

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020916\
 Data File : BF084958.D
 Acq On : 9 Feb 2016 18:06
 Operator : SJ/IZ
 Sample : H1386-03MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MSD

Quant Time: Feb 10 03:24:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	149443	20.00	ng	-0.05
21) Naphthalene-d8	7.93	136	623574	20.00	ng	-0.05
38) Acenaphthene-d10	9.68	164	301426	20.00	ng	-0.06
63) Phenanthrene-d10	11.15	188	556288	20.00	ng	-0.06
75) Chrysene-d12	13.78	240	408695	20.00	ng	-0.06
86) Perylene-d12	15.14	264	321731	20.00	ng	-0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	1192729	124.31	ng	-0.05
7) Phenol-d6	6.29	99	1610403	135.39	ng	-0.05
23) Nitrobenzene-d5	7.21	82	953359	86.12	ng	-0.06
41) 2,4,6-Tribromophenol	10.46	330	396582	126.13	ng	-0.06
44) 2-Fluorobiphenyl	9.00	172	1494168	82.71	ng	-0.06
78) Terphenyl-d14	12.74	244	1682976	93.31	ng	-0.06

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.17	88	162317	38.62	ng	# 77
3) Pyridine	2.81	79	526908	48.12	ng	# 70
4) n-Nitrosodimethylamine	2.77	42	261312	46.14	ng	# 80
6) Aniline	6.30	93	281077	19.31	ng	# 2
8) 2-Chlorophenol	6.42	128	477167	43.94	ng	87
9) Benzaldehyde	6.18	77	140776	20.04	ng	93
10) Phenol	6.30	94	525147	39.41	ng	# 74
11) bis(2-Chloroethyl)ether	6.38	93	514880	49.55	ng	90
12) 1,3-Dichlorobenzene	6.81	146	487227	42.46	ng	98
13) 1,4-Dichlorobenzene	6.65	146	479447	41.80	ng	97
14) 1,2-Dichlorobenzene	6.81	146	487168	45.60	ng	98
15) Benzyl Alcohol	6.80	79	440873	53.68	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.93	45	761525	43.57	ng	89
17) 2-Methylphenol	6.92	107	411734	47.94	ng	# 89
18) Hexachloroethane	7.15	117	190910	43.22	ng	# 85
19) n-Nitroso-di-n-propylamine	7.07	70	361224	48.45	ng	# 78
20) 3+4-Methylphenols	7.07	107	512846	48.11	ng	# 85
22) Acetophenone	7.06	105	699893	42.59	ng	98
24) Nitrobenzene	7.23	77	571133	48.18	ng	96
25) Isophorone	7.47	82	946060	43.95	ng	99
26) 2-Nitrophenol	7.55	139	276014	47.21	ng	93
27) 2,4-Dimethylphenol	7.60	122	431477	42.43	ng	93
28) bis(2-Chloroethoxy)methane	7.69	93	575680	45.08	ng	99
29) 2,4-Dichlorophenol	7.79	162	394855	45.38	ng	96
30) 1,2,4-Trichlorobenzene	7.87	180	430681	43.82	ng	# 95
31) Naphthalene	7.95	128	1374810	43.95	ng	98
32) Benzoic acid	7.71	122	94519	14.53	ng	92
33) 4-Chloroaniline	8.01	127	137905	10.66	ng	# 91
34) Hexachlorobutadiene	8.06	225	230033	40.59	ng	99
35) Caprolactam	8.38	113	91058	33.95	ng	# 48
36) 4-Chloro-3-methylphenol	8.51	107	498366	50.21	ng	95
37) 2-Methylnaphthalene	8.64	142	907016	46.33	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.81	216	397468	41.52	ng	99
40) Hexachlorocyclopentadiene	8.78	237	292398	72.11	ng	98

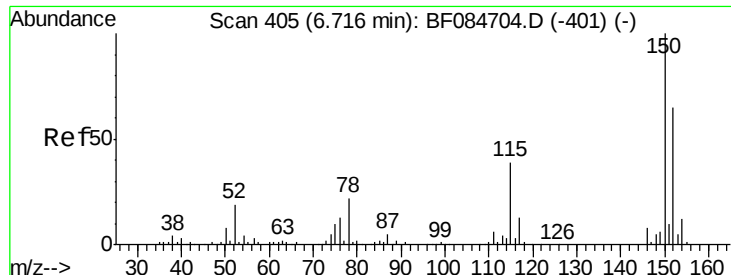
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.92	196	268737	43.57	ng	96
43) 2,4,5-Trichlorophenol	8.97	196	277178	44.23	ng #	89
45) 1,1'-Biphenyl	9.10	154	1175384	43.66	ng	96
46) 2-Chloronaphthalene	9.13	162	860491	43.40	ng #	88
47) 2-Nitroaniline	9.23	65	318043	50.66	ng	90
48) Acenaphthylene	9.54	152	1340047	44.54	ng	98
49) Dimethylphthalate	9.41	163	1212962	52.83	ng #	90
50) 2,6-Dinitrotoluene	9.47	165	202131	40.30	ng #	43
51) Acenaphthene	9.71	154	827429	42.27	ng	98
52) 3-Nitroaniline	9.64	138	129584	22.99	ng #	72
53) 2,4-Dinitrophenol	9.76	184	186664	80.59	ng	86
54) Dibenzofuran	9.88	168	1160602	48.51	ng	96
55) 4-Nitrophenol	9.82	139	287141	69.33	ng #	77
56) 2,4-Dinitrotoluene	9.88	165	308938	48.30	ng	92
57) Fluorene	10.22	166	880081	44.05	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.01	232	232215	48.68	ng #	88
59) Diethylphthalate	10.11	149	953771	42.55	ng	99
60) 4-Chlorophenyl-phenylether	10.21	204	375294	44.66	ng	92
61) 4-Nitroaniline	10.26	138	261713	47.66	ng	86
62) Azobenzene	10.37	77	972876	45.13	ng	89
64) 4,6-Dinitro-2-methylphenol	10.28	198	142772	41.58	ng #	51
65) n-Nitrosodiphenylamine	10.34	169	792545	44.87	ng	98
66) 4-Bromophenyl-phenylether	10.70	248	281242	45.77	ng	95
67) Hexachlorobenzene	10.76	284	267323	39.93	ng #	85
68) Atrazine	10.88	200	292709	52.47	ng	97
69) Pentachlorophenol	10.97	266	255642	81.25	ng	98
70) Phenanthrene	11.17	178	1275098	41.33	ng	98
71) Anthracene	11.23	178	1448913	46.60	ng	100
72) Carbazole	11.39	167	1307807	48.24	ng	98
73) Di-n-butylphthalate	11.72	149	1399605	40.55	ng #	96
74) Fluoranthene	12.35	202	1358817	43.51	ng	98
76) Benzidine	12.49	184	438137	30.36	ng	96
77) Pyrene	12.58	202	1257488	40.19	ng	99
79) Butylbenzylphthalate	13.22	149	653700	46.05	ng #	88
80) Benzo(a)anthracene	13.77	228	1130825	44.58	ng	99
81) 3,3'-Dichlorobenzidine	13.73	252	154306	17.18	ng #	96
82) Chrysene	13.80	228	841087	34.19	ng	98
83) Bis(2-ethylhexyl)phthalate	13.78	149	805523	45.60	ng #	98
84) Di-n-octyl phthalate	14.39	149	1212035	41.59	ng #	87
85) Indeno(1,2,3-cd)pyrene	16.40	276	835080	43.13	ng	98
87) Benzo(b)fluoranthene	14.80	252	1769601	81.86	ng	99
88) Benzo(k)fluoranthene	14.80	252	1770437	99.05	ng #	97
89) Benzo(a)pyrene	15.08	252	796788	43.26	ng #	96
90) Dibenzo(a,h)anthracene	16.41	278	691392	44.59	ng #	95
91) Benzo(g,h,i)perylene	16.77	276	712182	45.60	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

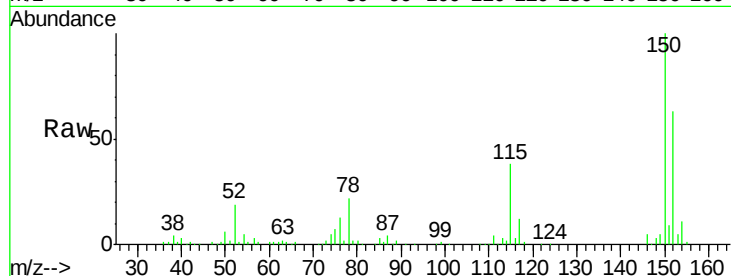
Tgt Ion:152 Resp: 149443

Ion Ratio Lower Upper

152 100

150 159.5 123.0 184.4

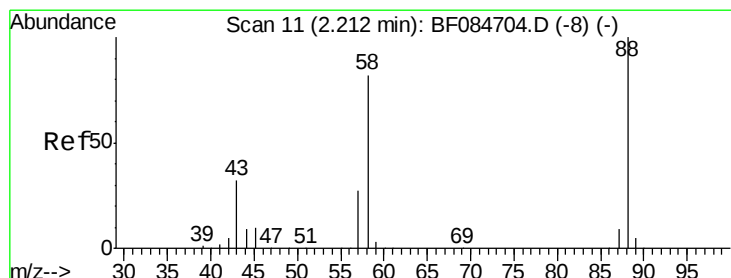
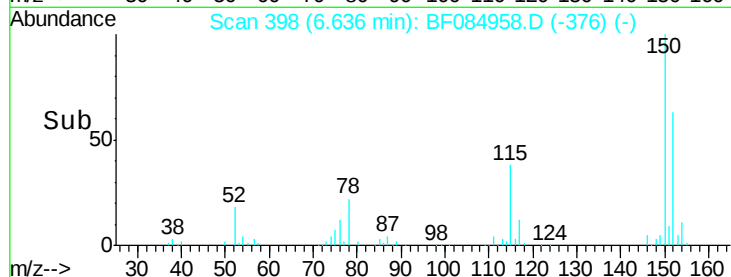
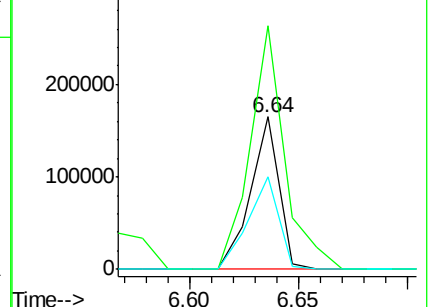
115 60.9 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 38.62 ng

RT: 2.17 min Scan# 7

Delta R.T. -0.01 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

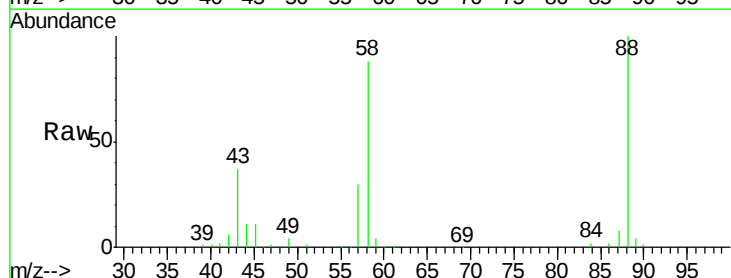
Tgt Ion: 88 Resp: 162317

Ion Ratio Lower Upper

88 100

58 82.4 51.2 76.8#

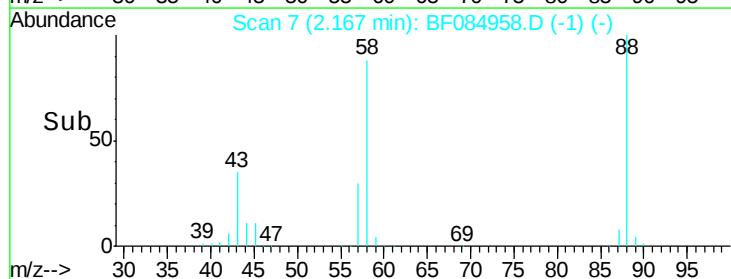
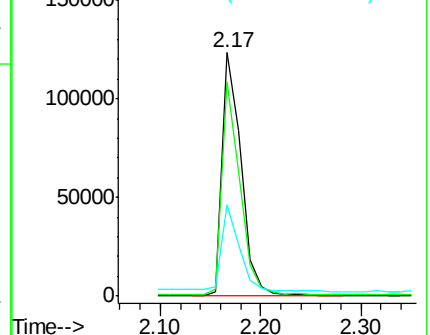
43 35.0 19.5 29.3#

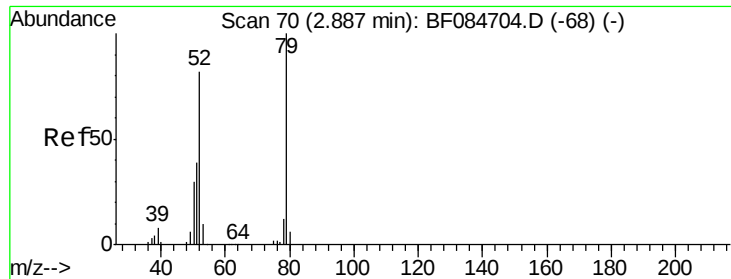


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 48.12 ng

RT: 2.81 min Scan# 63

Delta R.T. -0.03 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

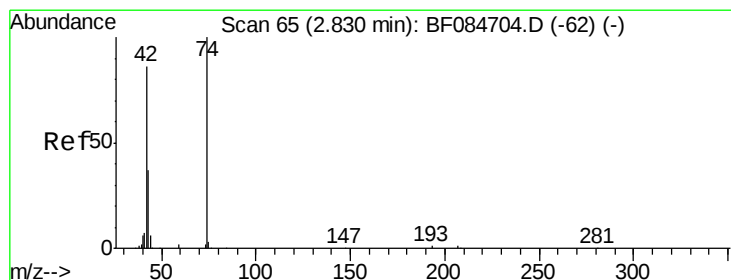
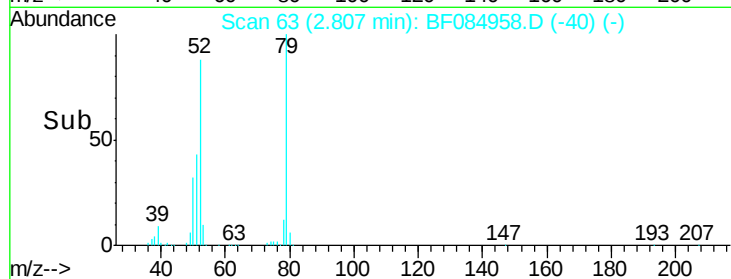
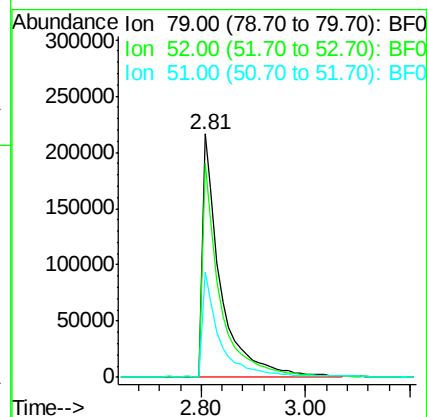
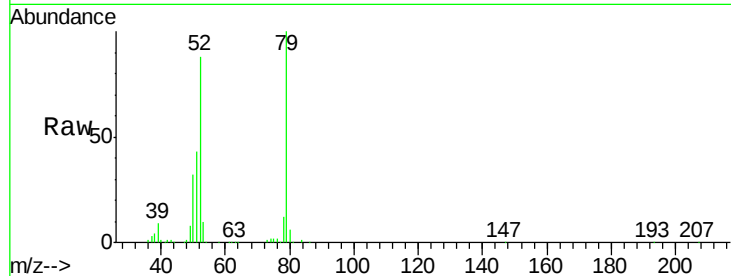
Tgt Ion: 79 Resp: 526908

Ion Ratio Lower Upper

79 100

52 87.8 49.0 73.4#

51 43.2 25.2 37.8#



#4

n-Nitrosodimethylamine

Concen: 46.14 ng

RT: 2.77 min Scan# 60

Delta R.T. -0.02 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

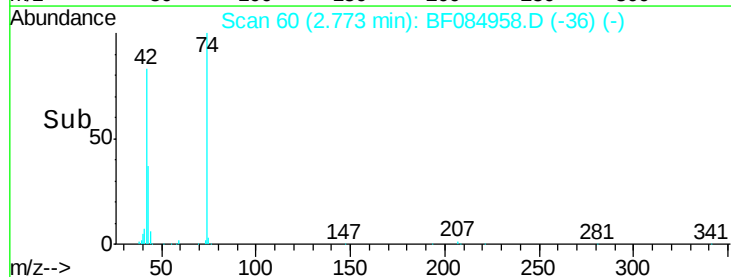
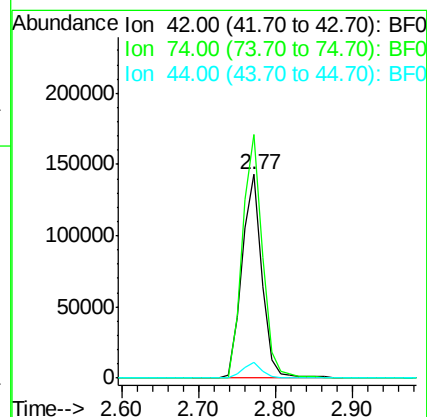
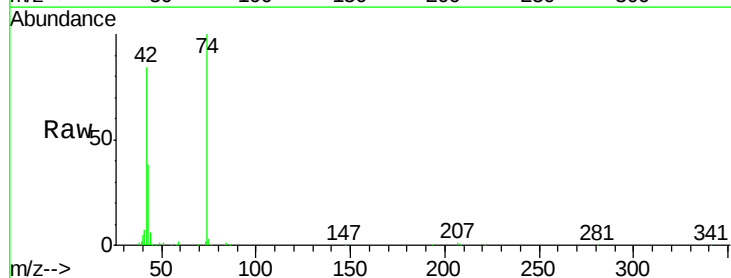
Tgt Ion: 42 Resp: 261312

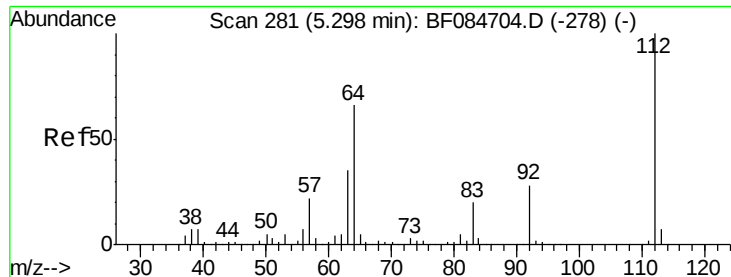
Ion Ratio Lower Upper

42 100

74 119.5 115.7 173.5

44 7.7 5.1 7.7#





#5

2-Fluorophenol

Concen: 124.31 ng

RT: 5.23 min Scan# 275

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

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ClientSampleId :

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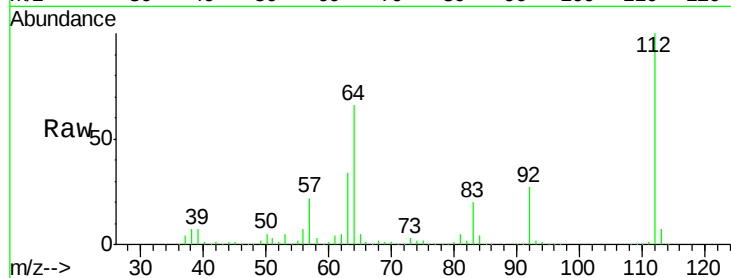
Tgt Ion: 112 Resp: 1192729

Ion Ratio Lower Upper

112 100

64 66.1 36.6 55.0#

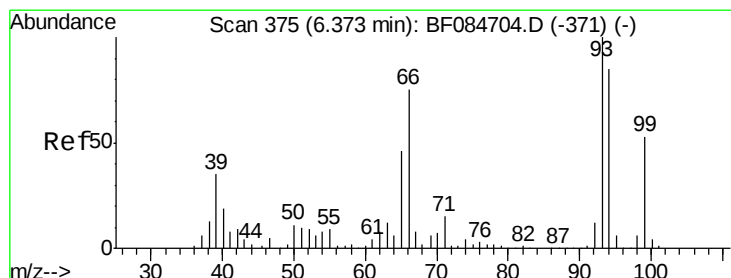
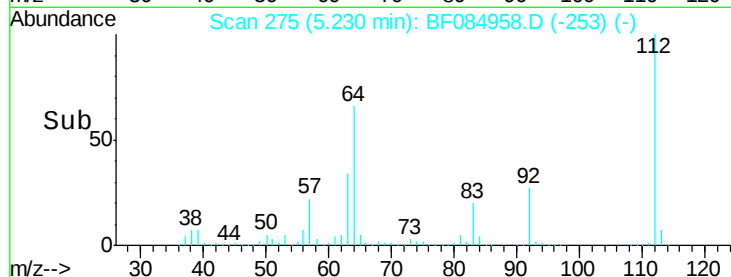
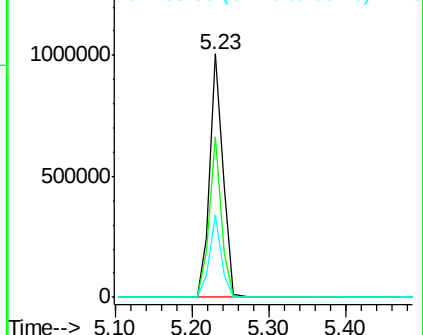
63 34.0 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 19.31 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

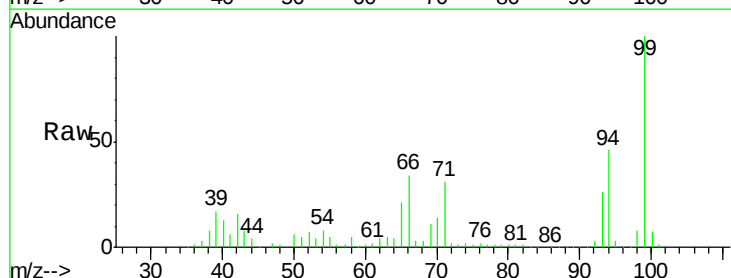
Tgt Ion: 93 Resp: 281077

Ion Ratio Lower Upper

93 100

66 129.5 44.9 67.3#

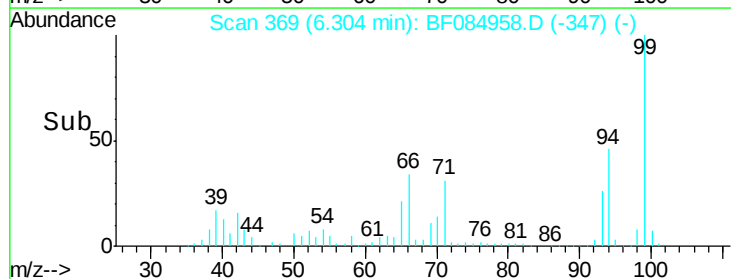
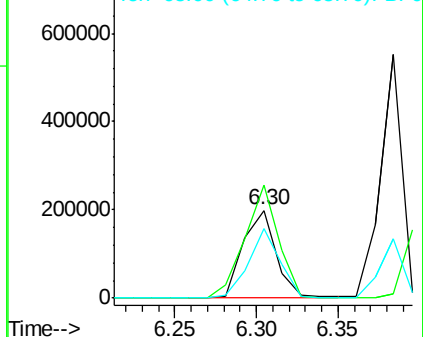
65 79.3 23.7 35.5#

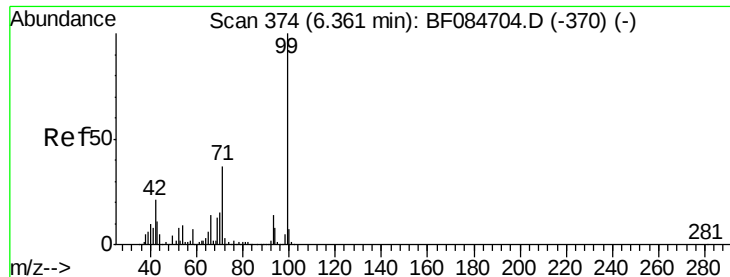


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 135.39 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

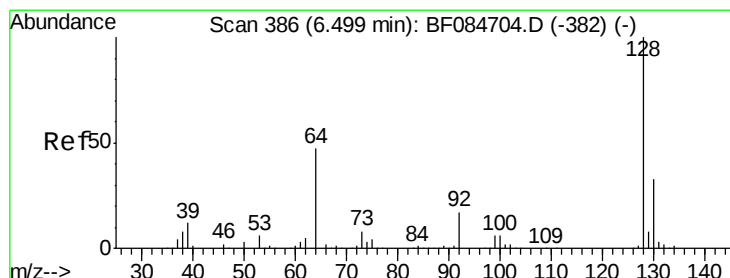
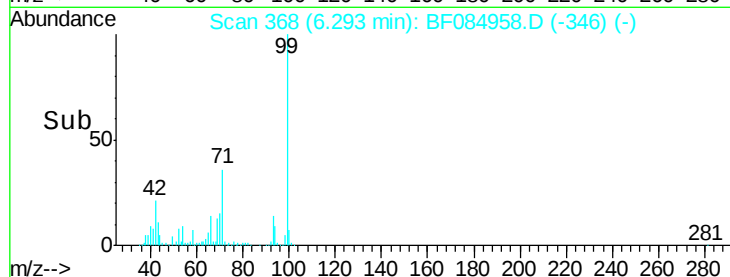
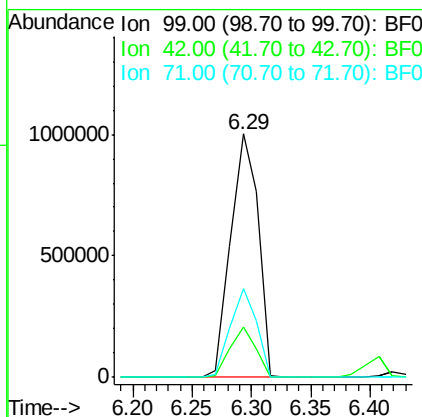
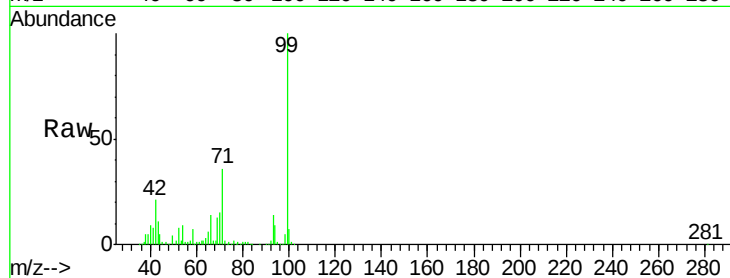
BNA_F

ClientSampleId :

S4-B005(28-30)MSD

Tgt Ion: 99 Resp: 1610403

Ion	Ratio	Lower	Upper
99	100		
42	20.7	12.8	19.2#
71	36.4	30.9	46.3



#8

2-Chlorophenol

Concen: 43.94 ng

RT: 6.42 min Scan# 379

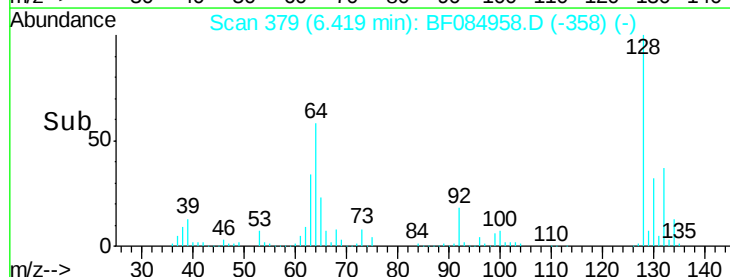
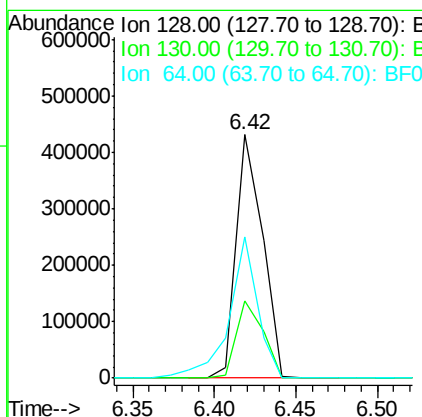
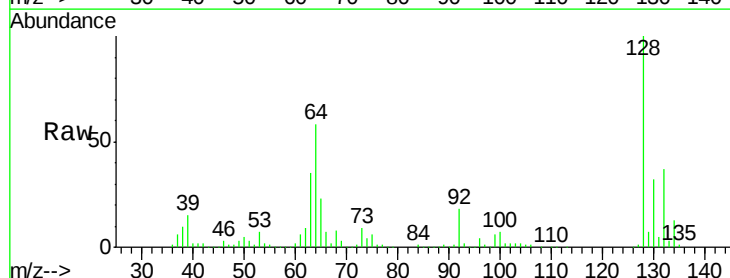
Delta R.T. -0.06 min

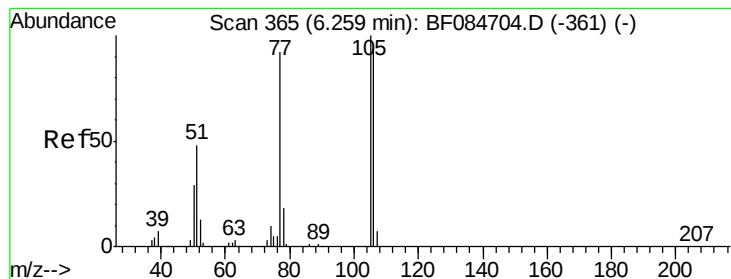
Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Tgt Ion: 128 Resp: 477167

Ion	Ratio	Lower	Upper
128	100		
130	31.9	11.6	51.6
64	58.0	23.8	63.8





#9

Benzaldehyde

Concen: 20.04 ng

RT: 6.18 min Scan# 358

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

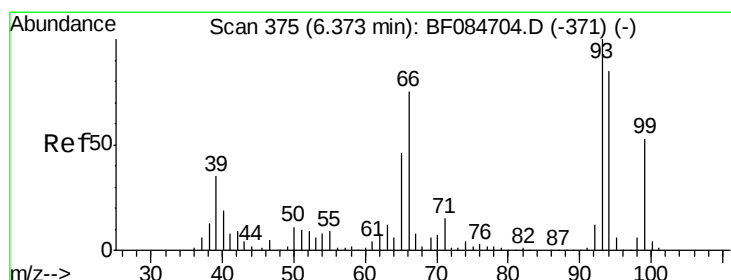
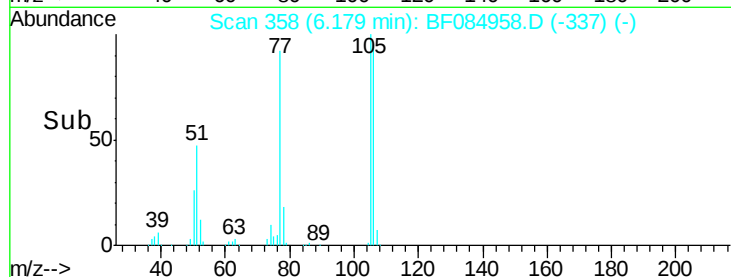
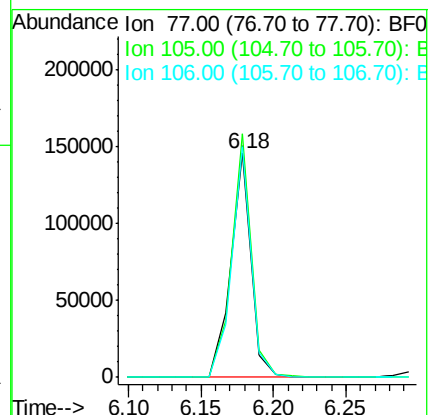
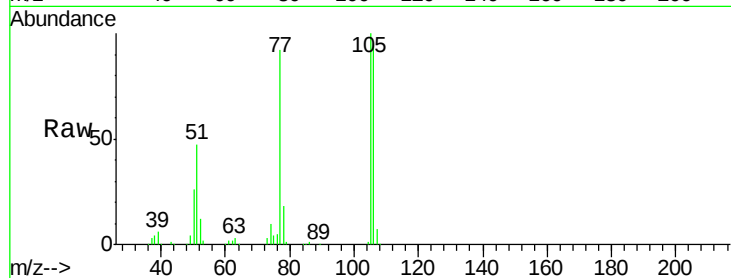
Tgt Ion: 77 Resp: 140776

Ion Ratio Lower Upper

77 100

105 108.6 83.0 123.0

106 103.1 74.6 114.6



#10

Phenol

Concen: 39.41 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

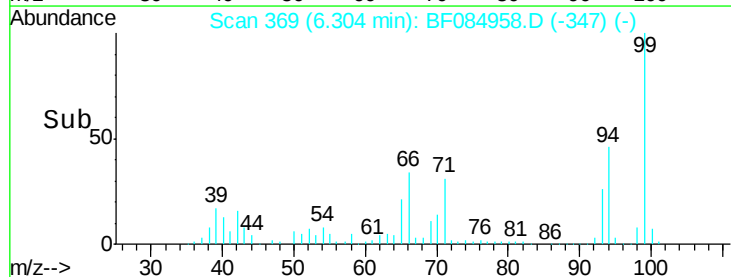
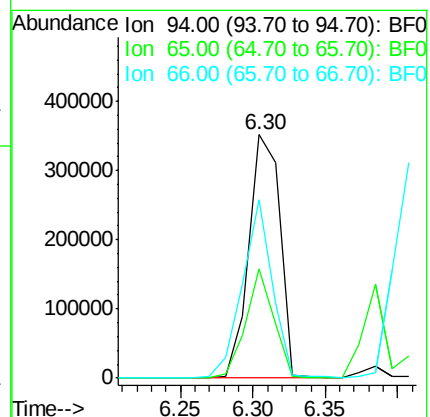
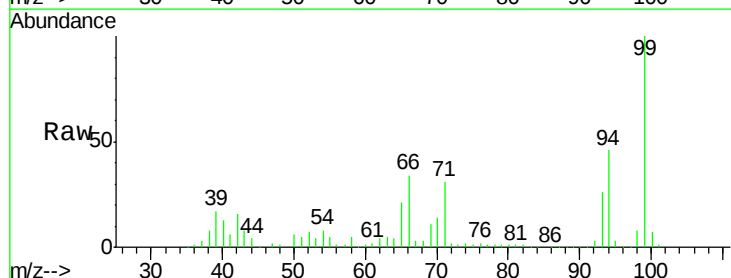
Tgt Ion: 94 Resp: 525147

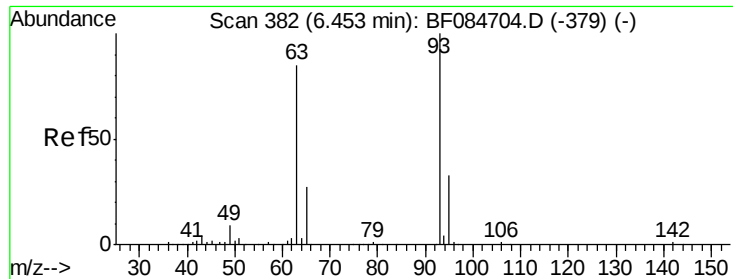
Ion Ratio Lower Upper

94 100

65 44.7 12.9 52.9

66 73.0 32.7 72.7#

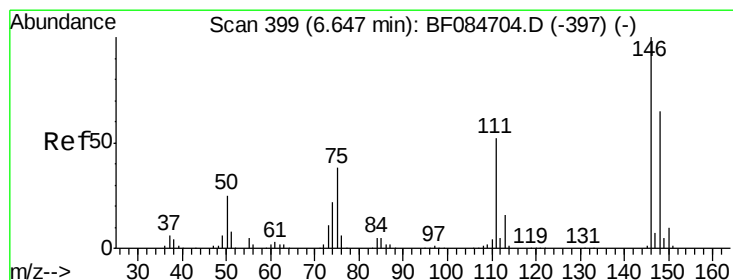
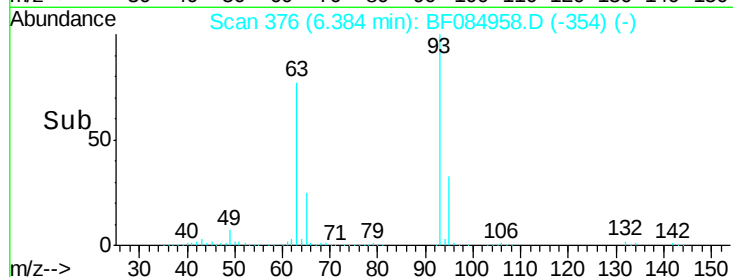
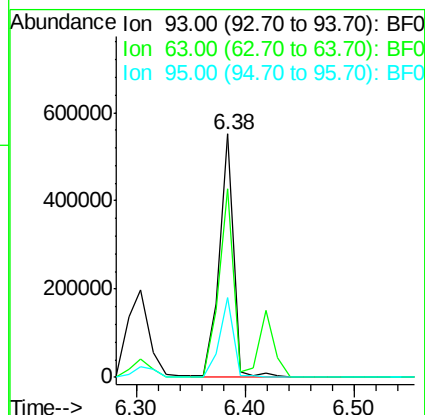
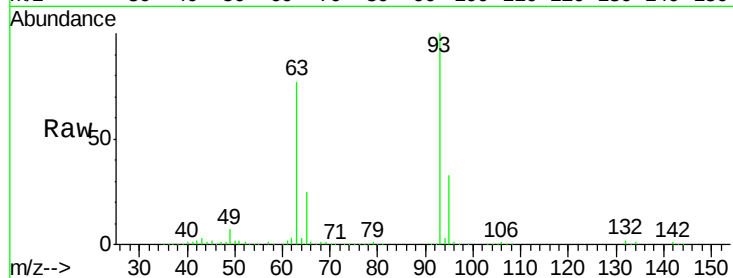




#11
bis(2-Chloroethyl)ether
Concen: 49.55 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.05 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

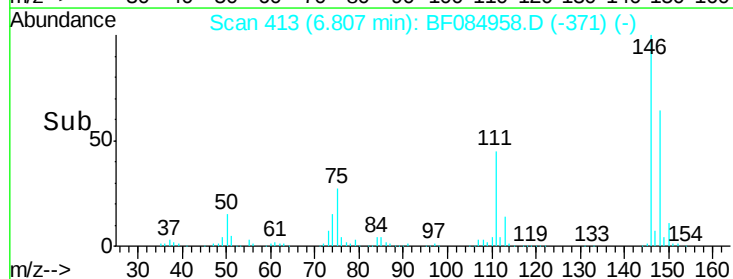
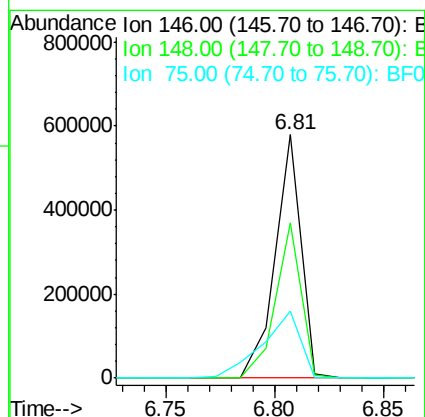
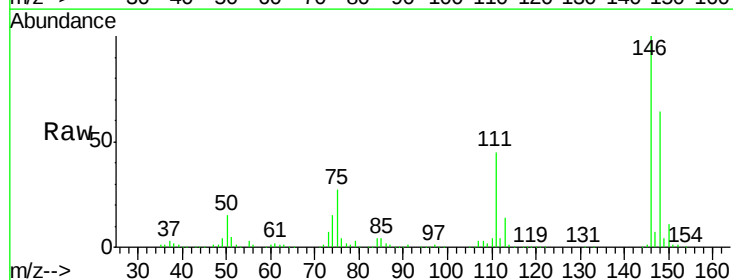
Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MSD

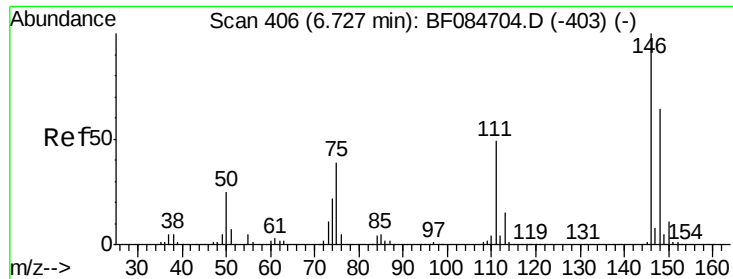
Tgt Ion: 93 Resp: 514880
Ion Ratio Lower Upper
93 100
63 77.4 45.9 85.9
95 32.7 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 42.46 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.18 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

Tgt Ion: 146 Resp: 487227
Ion Ratio Lower Upper
146 100
148 63.6 51.9 77.9
75 27.5 20.5 30.7

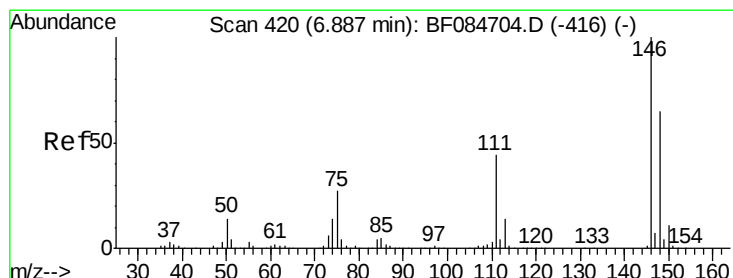
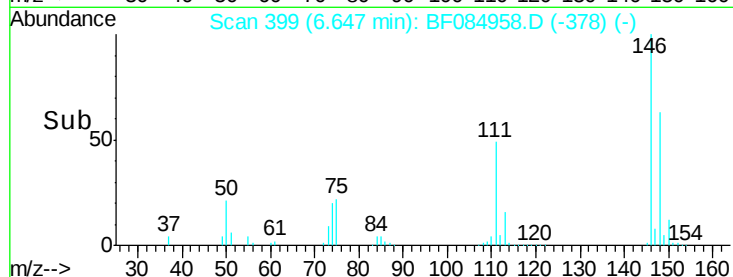
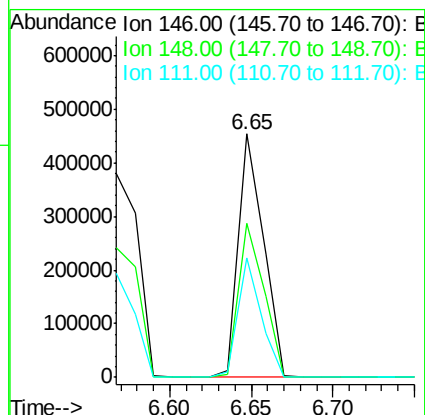
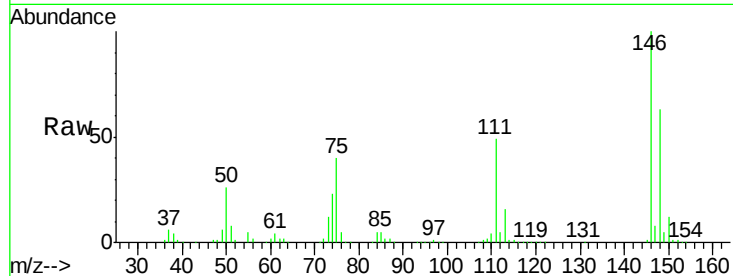




#13
 1,4-Dichlorobenzene
 Concen: 41.80 ng
 RT: 6.65 min Scan# 399
 Delta R.T. -0.06 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

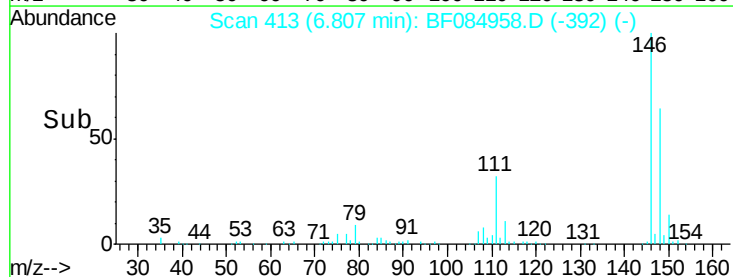
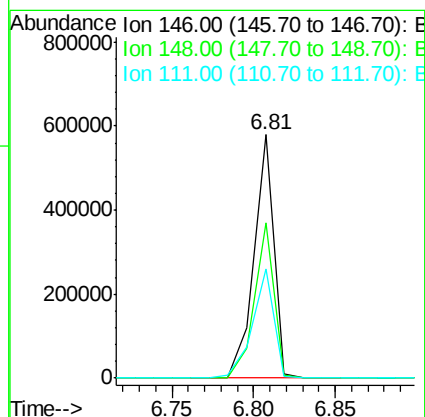
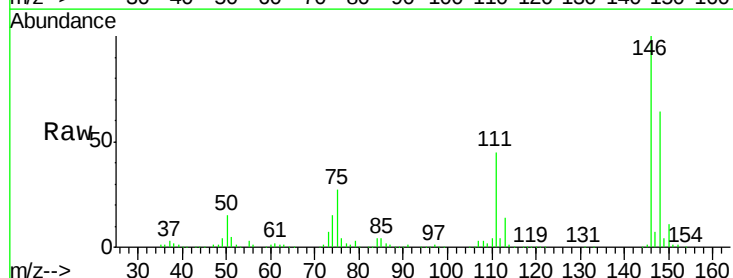
Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MSD

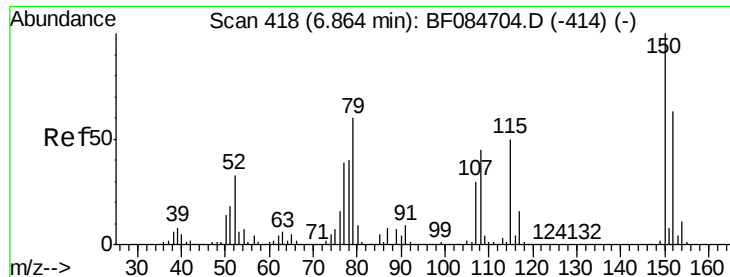
Tgt Ion:146 Resp: 479447
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.9 77.9
 111 49.1 41.6 62.4



#14
 1,2-Dichlorobenzene
 Concen: 45.60 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.06 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Tgt Ion:146 Resp: 487168
 Ion Ratio Lower Upper
 146 100
 148 63.6 51.6 77.4
 111 44.8 38.0 57.0





#15

Benzyl Alcohol

Concen: 53.68 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

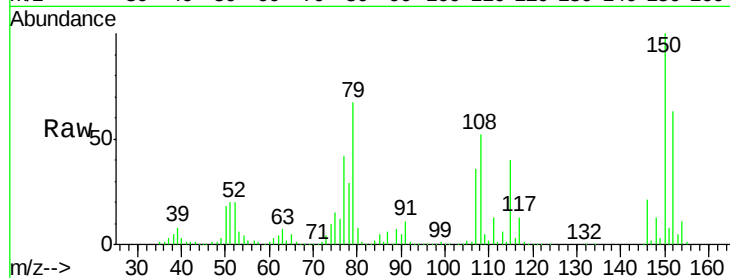
Tgt Ion: 79 Resp: 440873

Ion Ratio Lower Upper

79 100

108 77.6 69.0 103.4

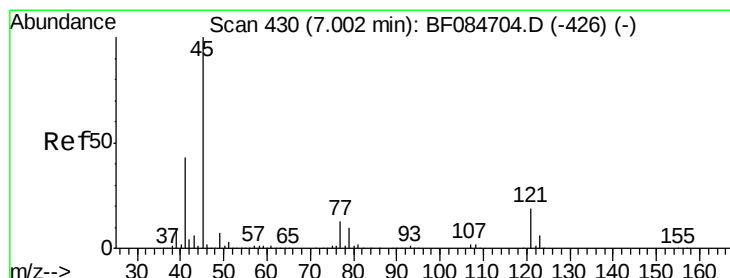
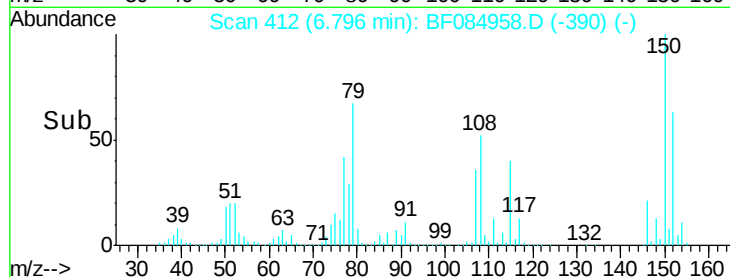
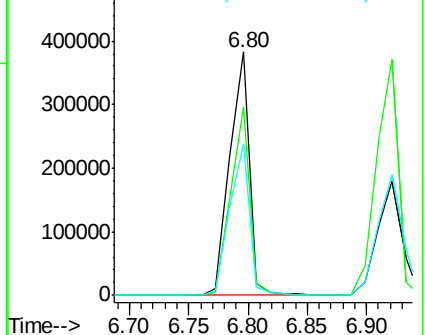
77 62.4 50.0 75.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.57 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

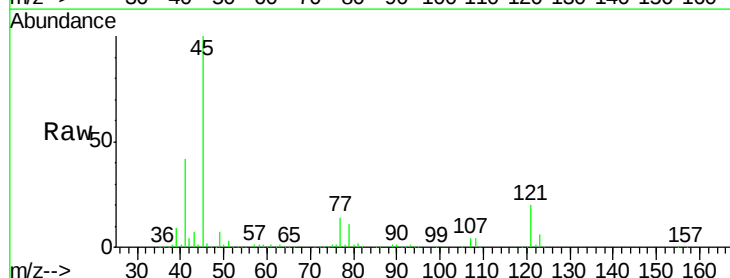
Tgt Ion: 45 Resp: 761525

Ion Ratio Lower Upper

45 100

77 13.9 0.0 39.6

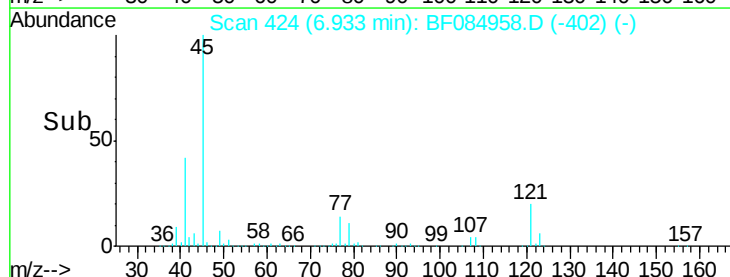
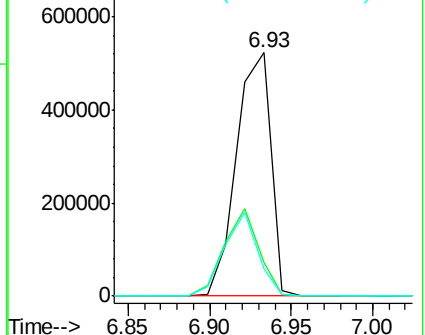
79 11.3 0.0 35.0

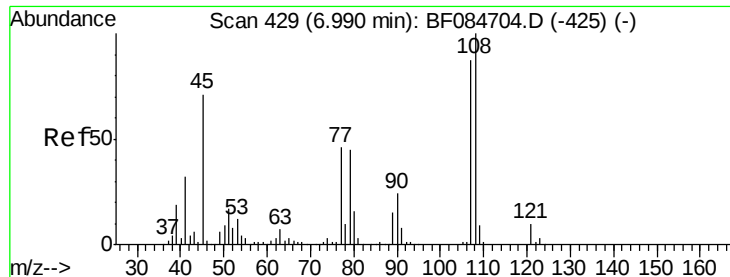


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

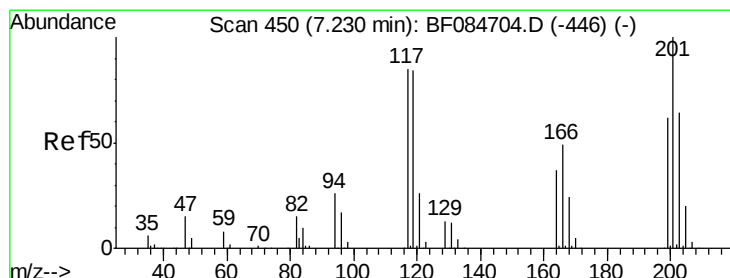
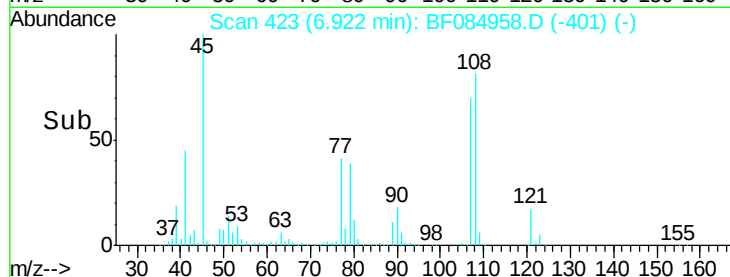
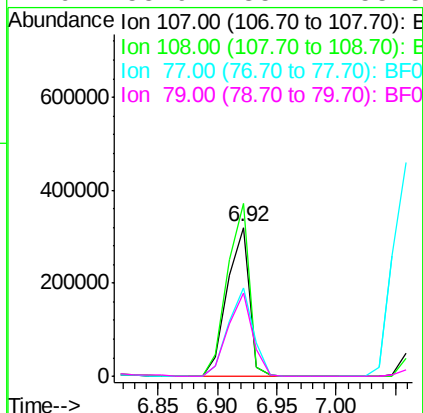
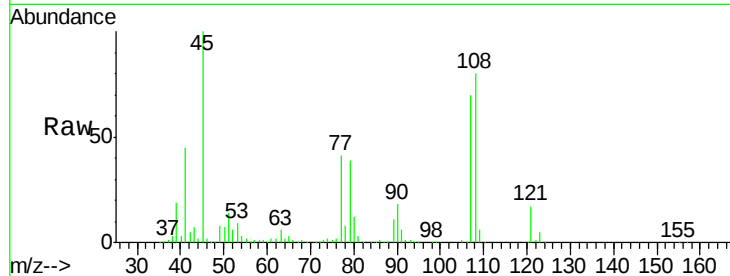




#17
2-Methylphenol
Concen: 47.94 ng
RT: 6.92 min Scan# 423
Delta R.T. -0.05 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

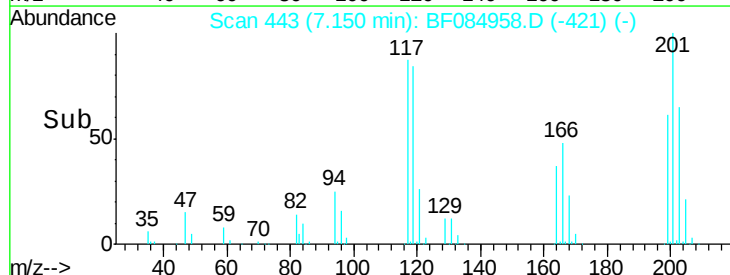
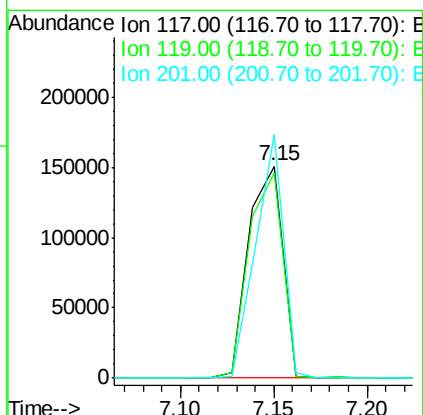
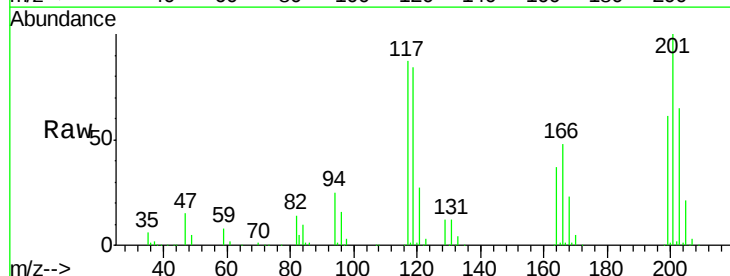
Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MSD

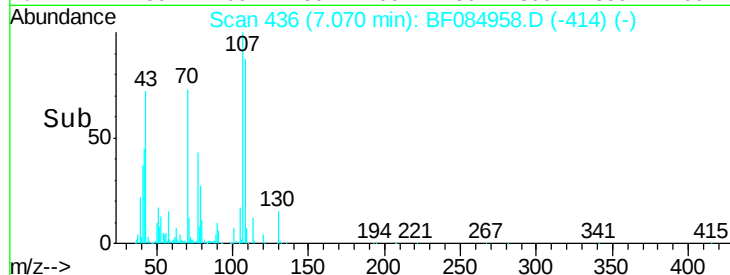
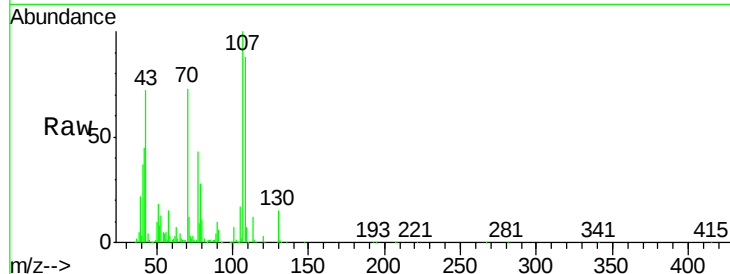
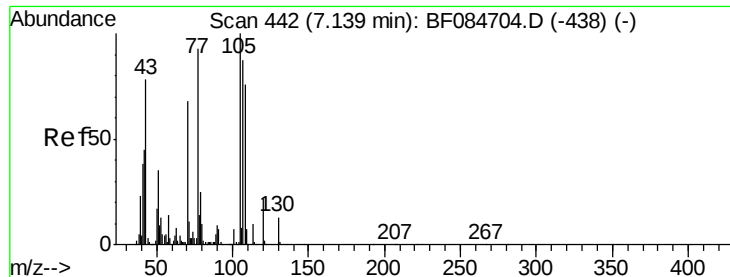
Tgt Ion:107 Resp: 411734
Ion Ratio Lower Upper
107 100
108 115.6 89.8 134.6
77 59.0 35.7 53.5#
79 55.9 35.7 53.5#



#18
Hexachloroethane
Concen: 43.22 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.05 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

Tgt Ion:117 Resp: 190910
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0
201 114.8 68.6 103.0#

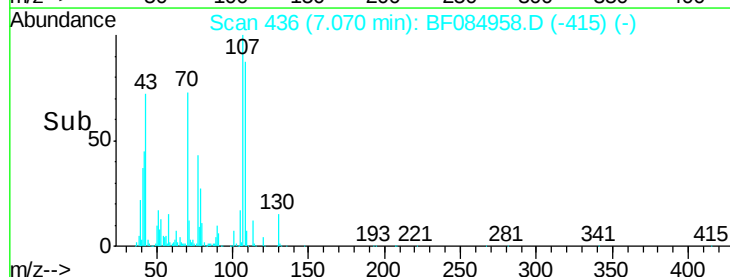
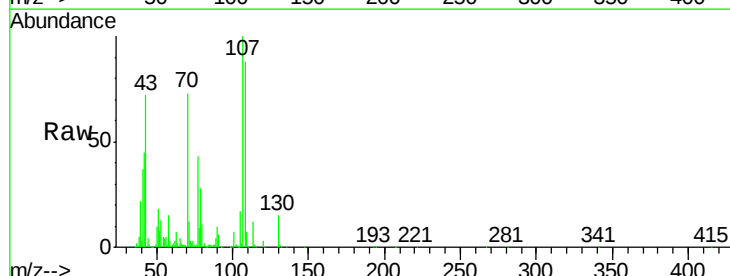
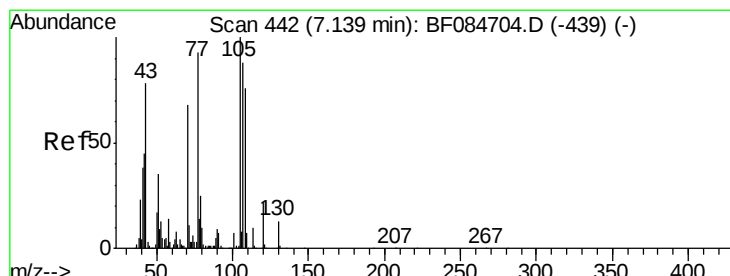
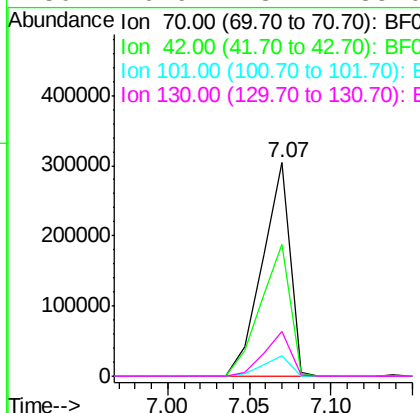




#19
n-Nitroso-di-n-propylamine
Concen: 48.45 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.05 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

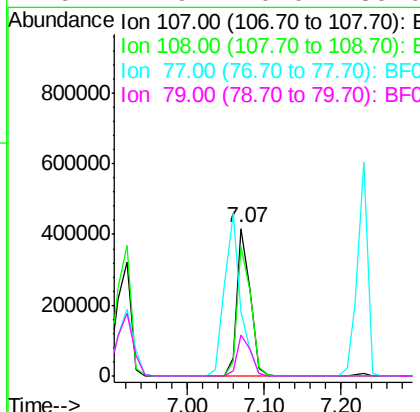
Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MSD

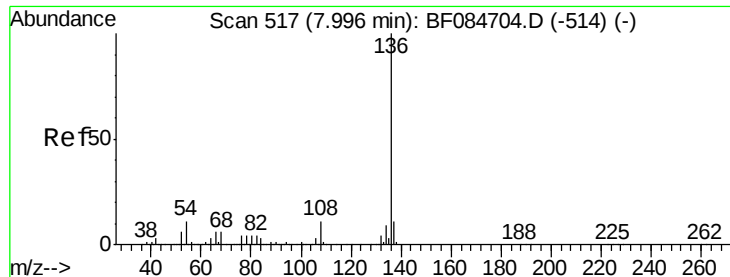
Tgt Ion: 70 Resp: 361224
Ion Ratio Lower Upper
70 100
42 61.6 33.3 49.9#
101 9.8 9.3 13.9
130 20.9 23.4 35.0#



#20
3+4-Methylphenols
Concen: 48.11 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.06 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

Tgt Ion: 107 Resp: 512846
Ion Ratio Lower Upper
107 100
108 87.5 74.6 114.6
77 43.2 0.7 40.7#
79 27.9 0.0 39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

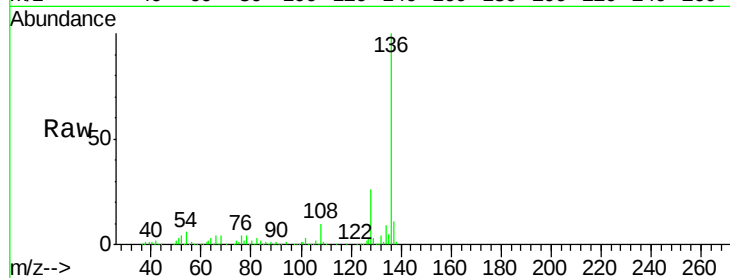
Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

Tgt Ion:	136	Resp:	623574
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.4	5.8	8.8
68	3.9	4.2	6.2#

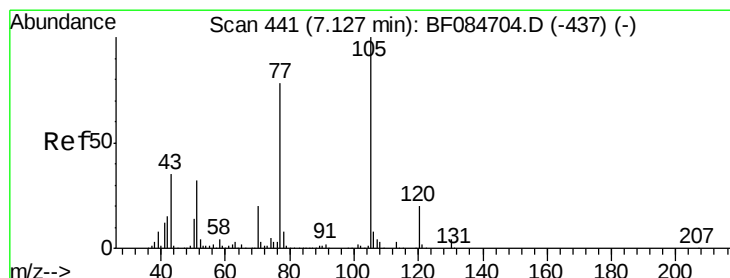
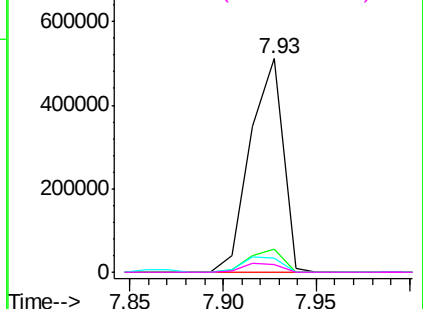
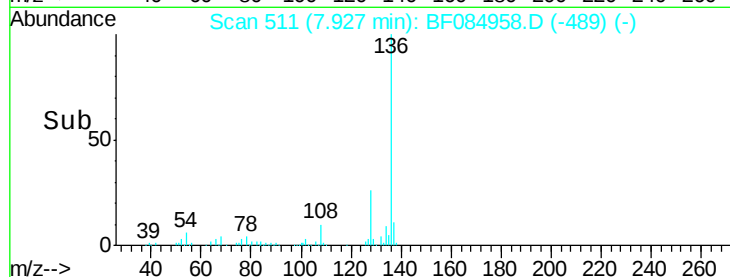


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 42.59 ng

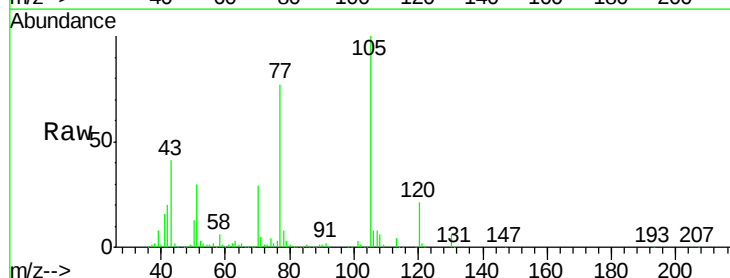
RT: 7.06 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Tgt Ion:	105	Resp:	699893
Ion	Ratio	Lower	Upper
105	100		
71	4.9	3.7	5.5
51	29.8	25.1	37.7
120	21.2	16.6	25.0

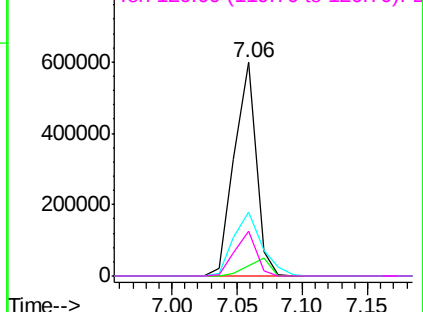
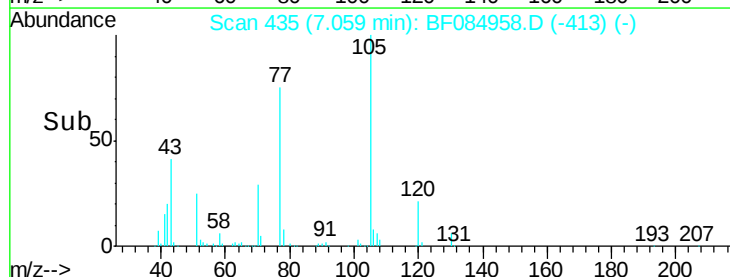


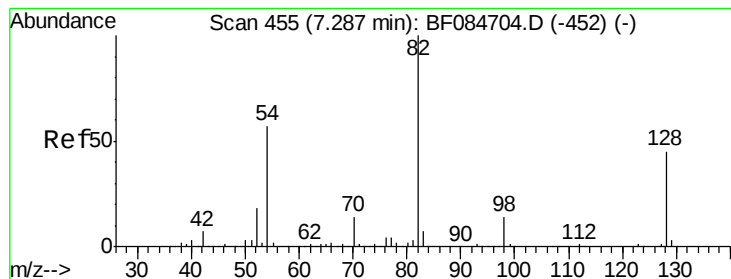
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 86.12 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

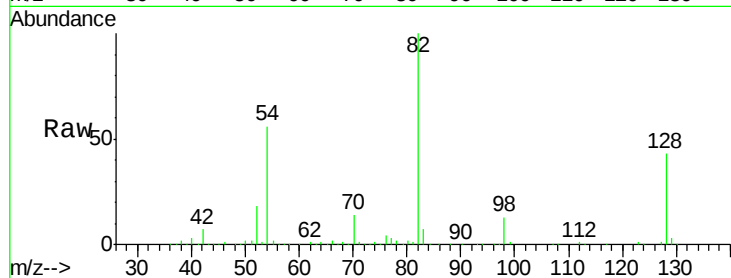
Tgt Ion: 82 Resp: 953359

Ion Ratio Lower Upper

82 100

128 42.6 34.6 51.8

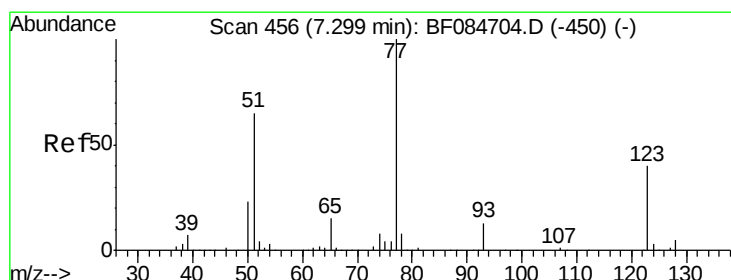
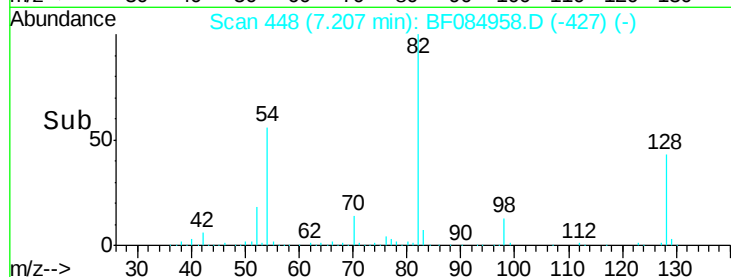
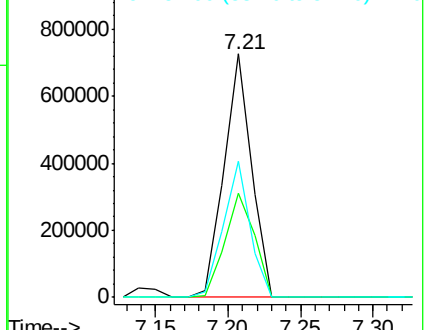
54 56.0 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 48.18 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

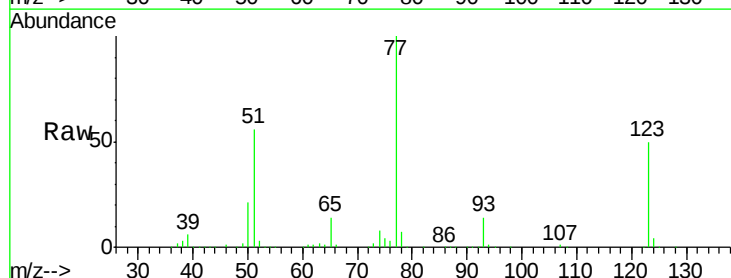
Tgt Ion: 77 Resp: 571133

Ion Ratio Lower Upper

77 100

123 49.8 37.4 56.2

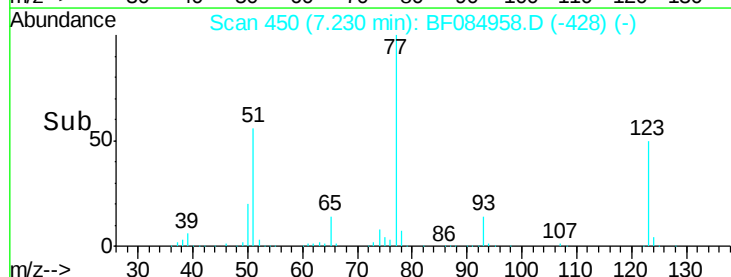
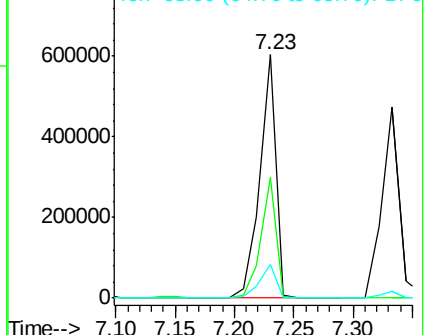
65 14.0 10.9 16.3

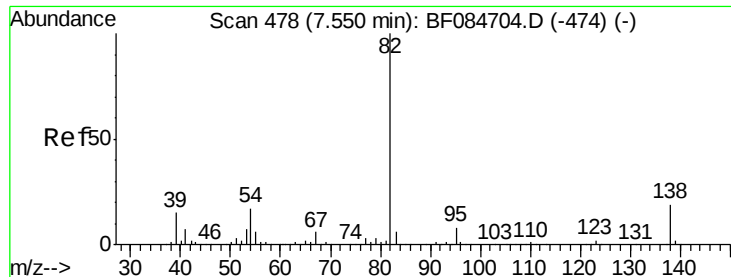


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 43.95 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

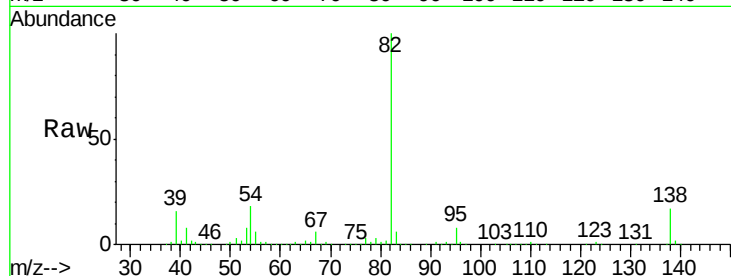
Tgt Ion: 82 Resp: 946060

Ion Ratio Lower Upper

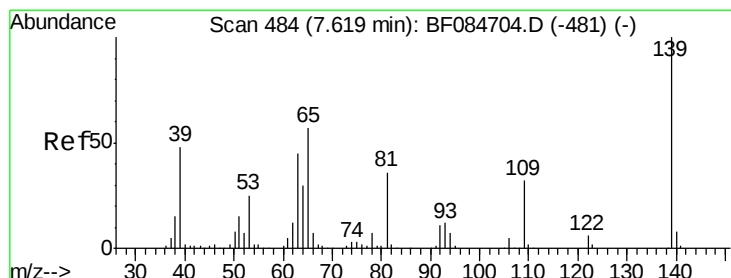
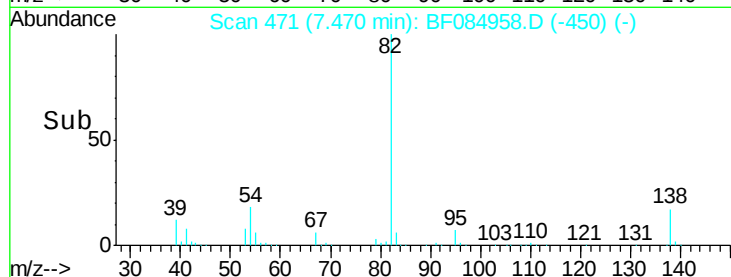
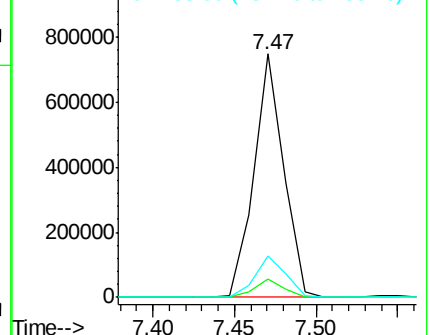
82 100

95 7.5 6.6 10.0

138 16.9 13.6 20.4



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 47.21 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

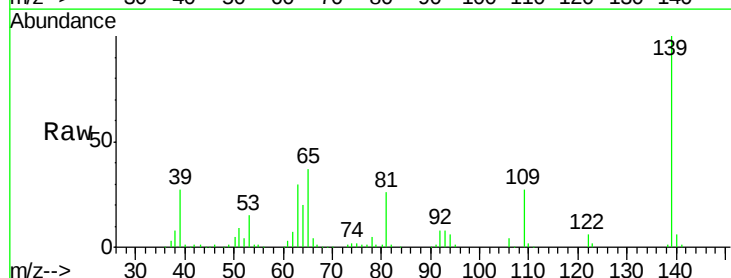
Tgt Ion: 139 Resp: 276014

Ion Ratio Lower Upper

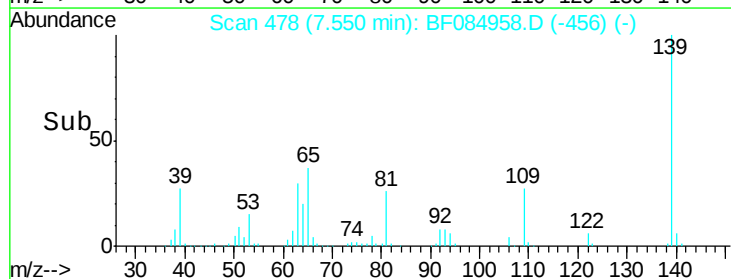
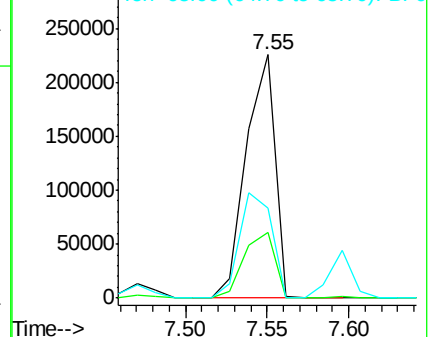
139 100

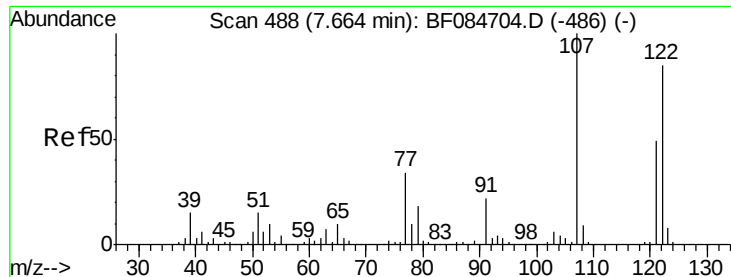
109 26.8 25.4 38.2

65 37.0 32.3 48.5



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

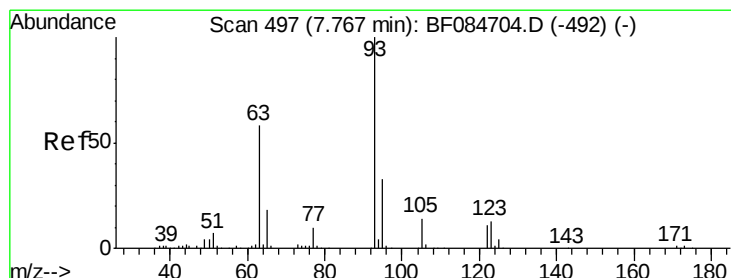
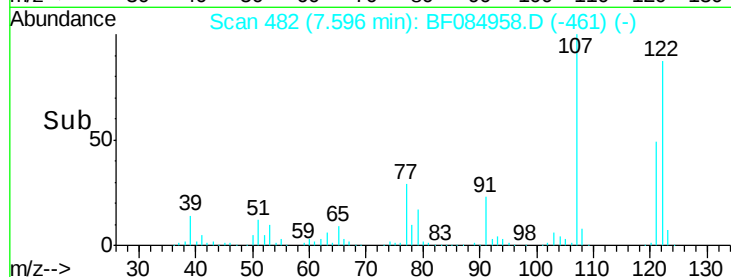
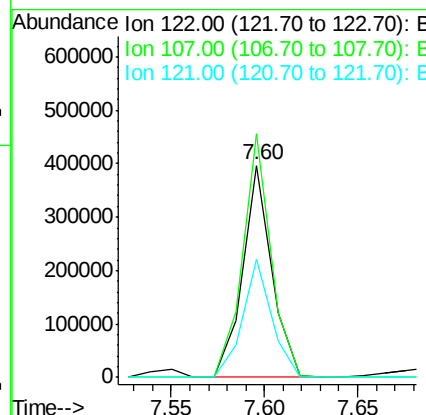
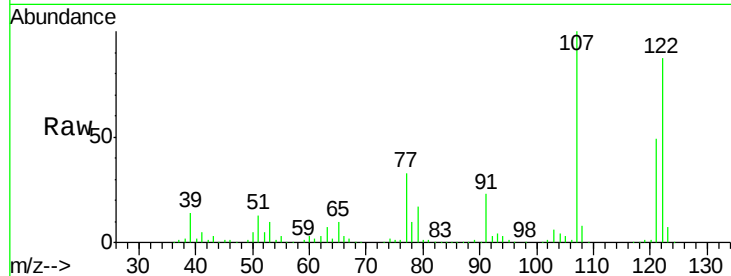




#27
 2,4-Dimethylphenol
 Concen: 42.43 ng
 RT: 7.60 min Scan# 482
 Delta R.T. -0.06 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

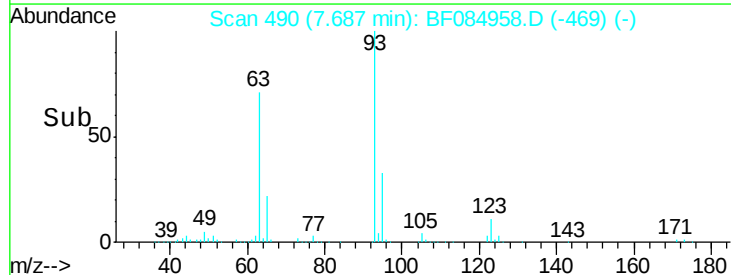
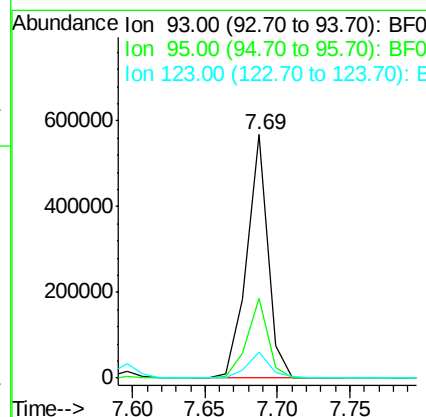
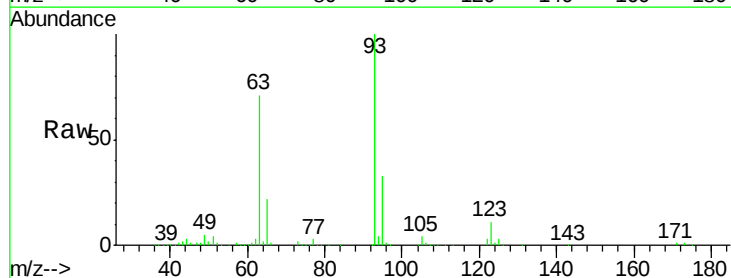
Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MSD

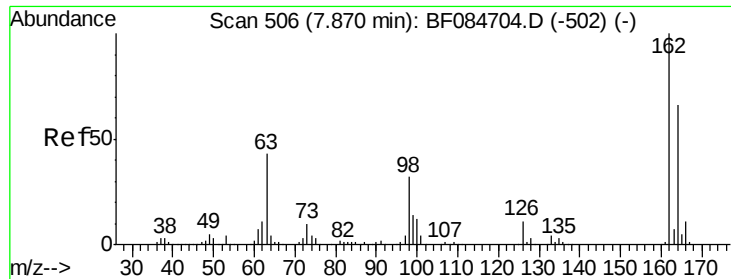
Tgt Ion:122 Resp: 431477
 Ion Ratio Lower Upper
 122 100
 107 114.9 99.1 148.7
 121 55.8 47.9 71.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 45.08 ng
 RT: 7.69 min Scan# 490
 Delta R.T. -0.06 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Tgt Ion: 93 Resp: 575680
 Ion Ratio Lower Upper
 93 100
 95 32.8 25.8 38.6
 123 10.5 8.6 12.8

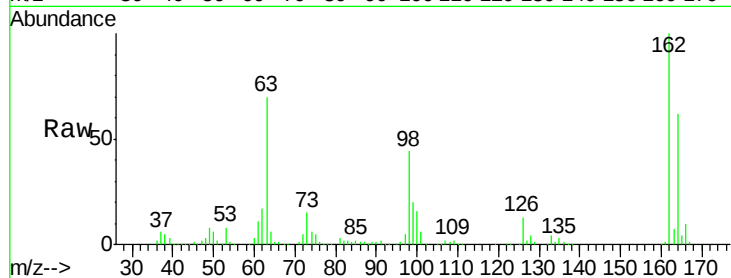




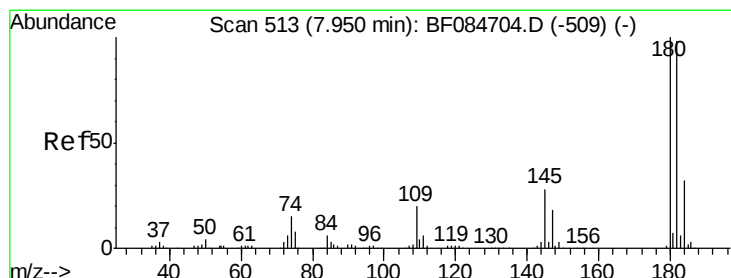
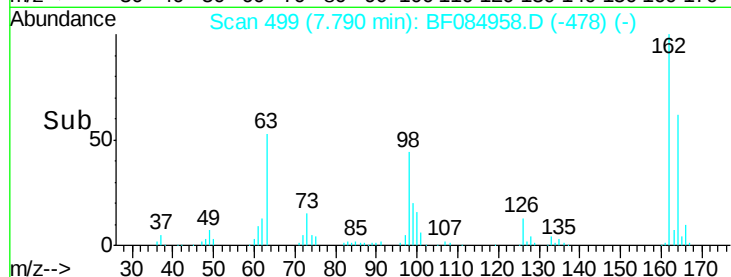
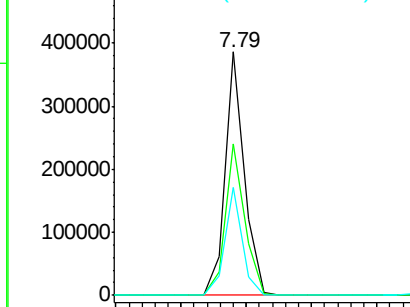
#29
 2,4-Dichlorophenol
 Concen: 45.38 ng
 RT: 7.79 min Scan# 499
 Delta R.T. -0.06 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.1	44.1	84.1
98	44.3	20.2	60.2

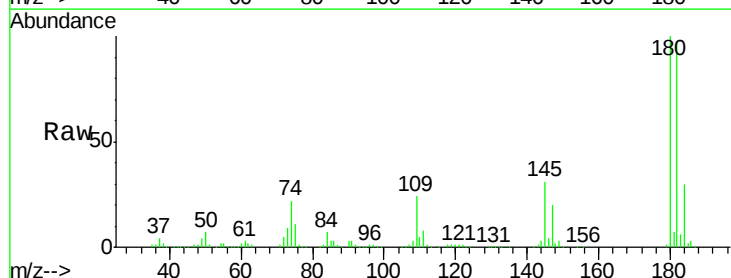


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

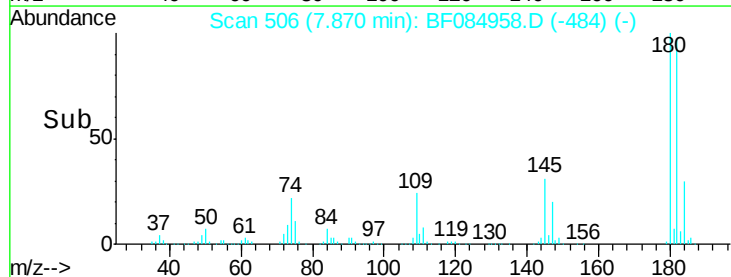
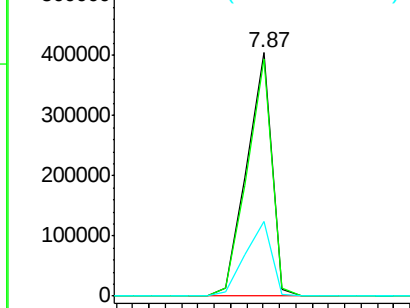


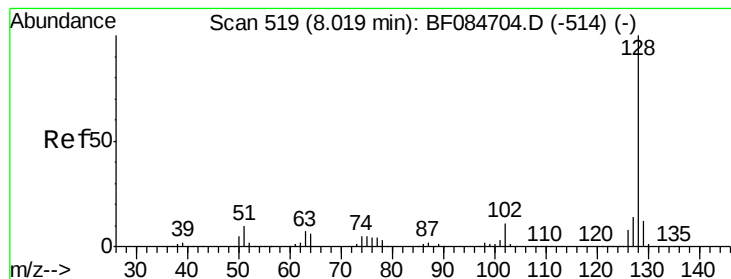
#30
 1,2,4-Trichlorobenzene
 Concen: 43.82 ng
 RT: 7.87 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.4	114.6
145	30.9	31.6	47.4



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 43.95 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

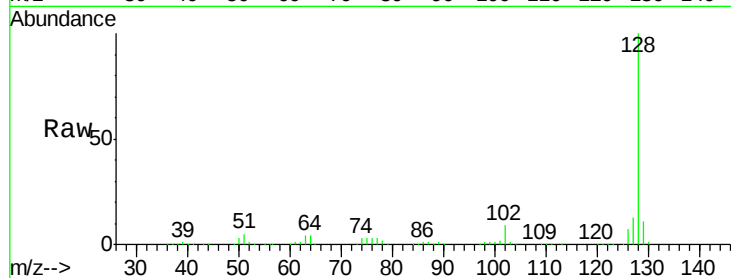
Tgt Ion:128 Resp: 1374810

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

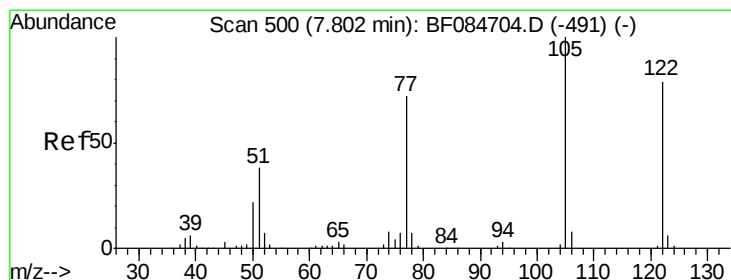
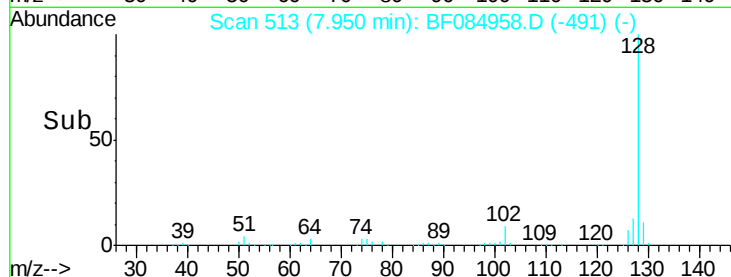
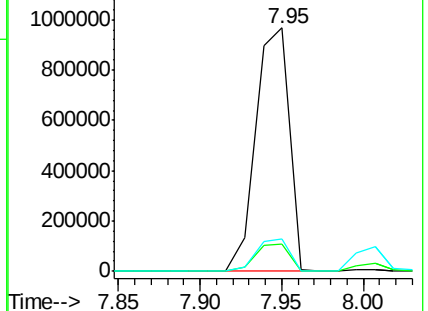
127 13.1 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 14.53 ng

RT: 7.71 min Scan# 492

Delta R.T. -0.08 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

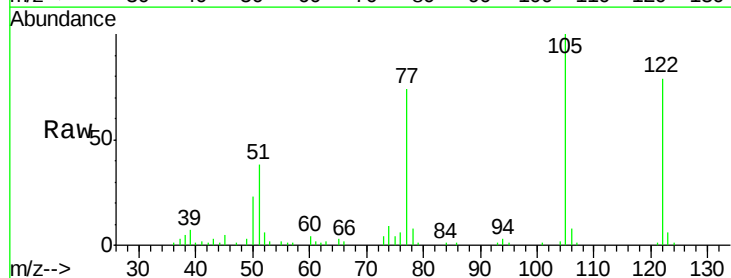
Tgt Ion:122 Resp: 94519

Ion Ratio Lower Upper

122 100

105 126.1 100.3 140.3

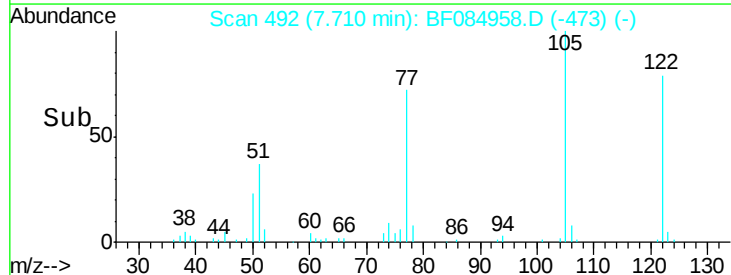
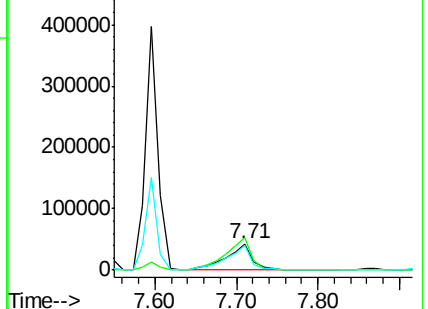
77 93.5 63.5 103.5

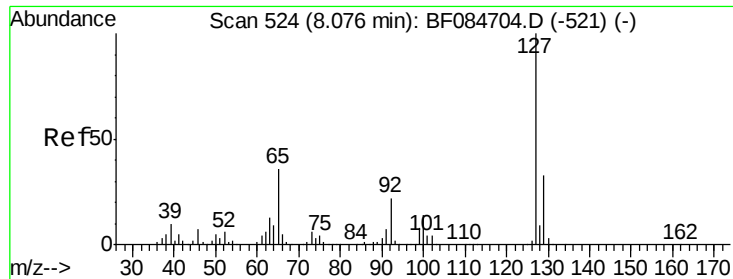


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

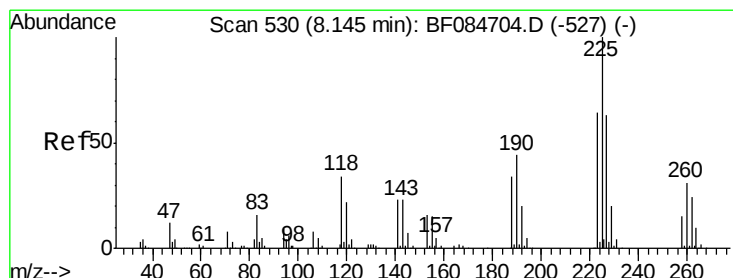
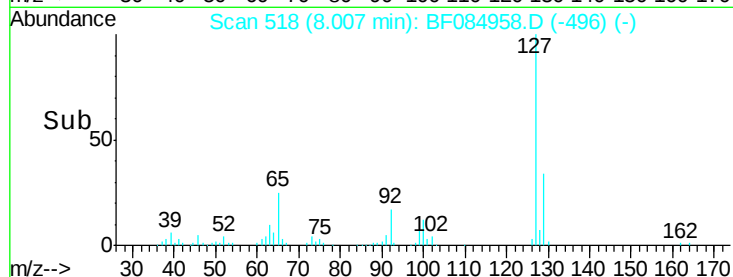
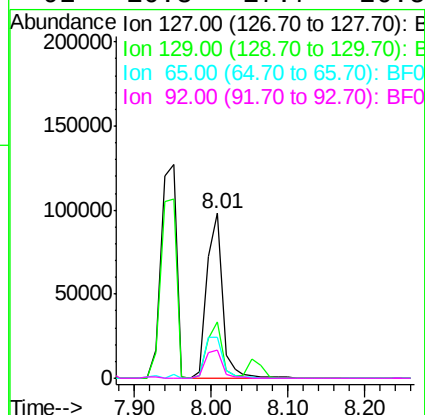
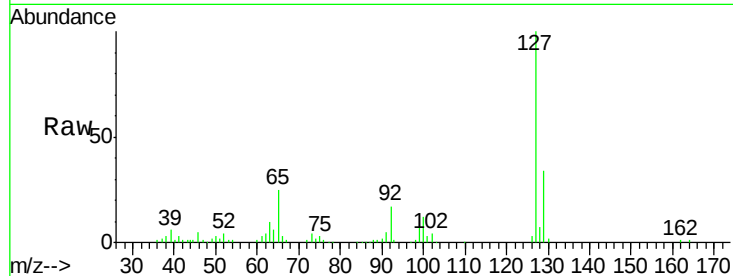




#33
4-Chloroaniline
Concen: 10.66 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.05 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

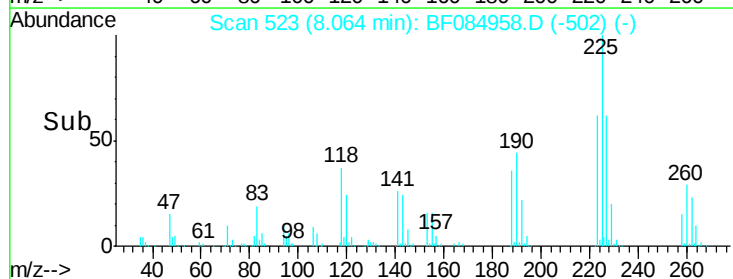
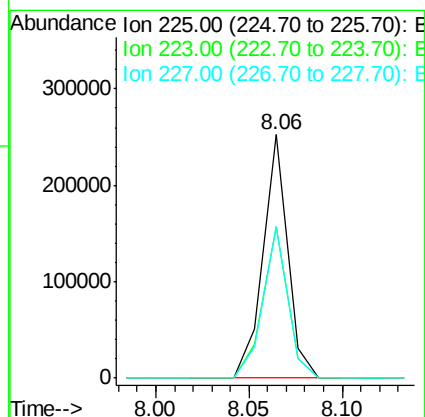
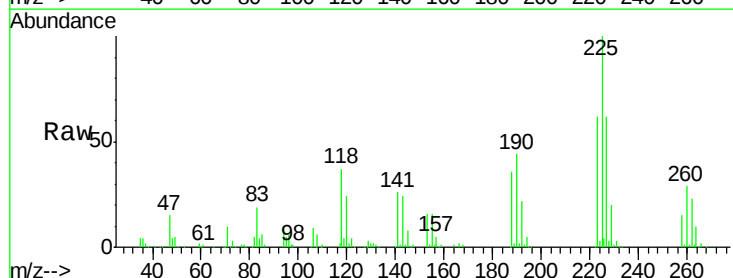
Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MSD

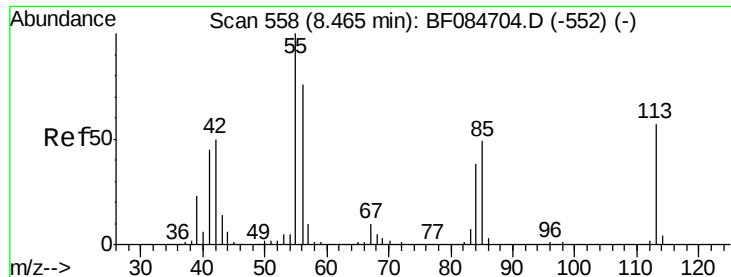
Tgt Ion:	127	Resp:	137905
Ion	Ratio	Lower	Upper
127	100		
129	34.4	26.5	39.7
65	25.3	27.2	40.8#
92	16.8	17.7	26.5#



#34
Hexachlorobutadiene
Concen: 40.59 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.06 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

Tgt Ion:	225	Resp:	230033
Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.4	74.0
227	62.0	50.8	76.2

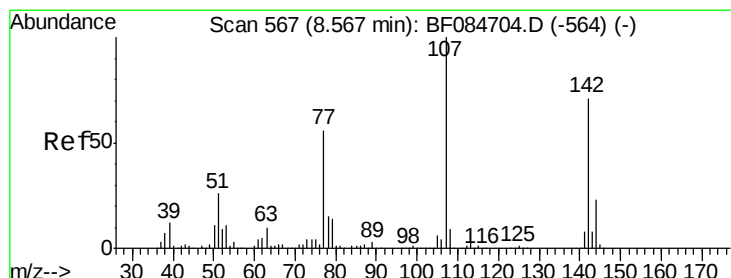
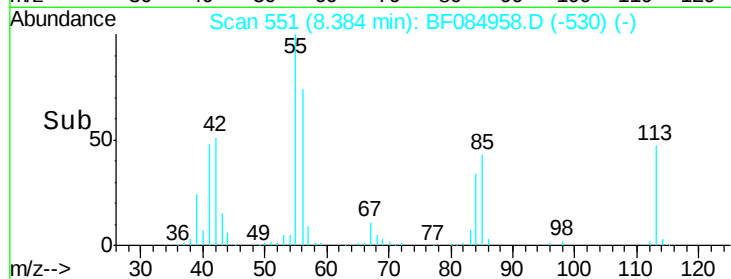
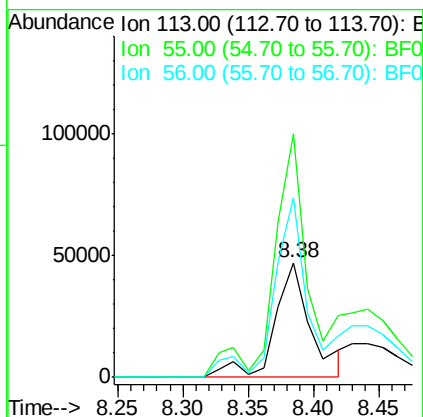
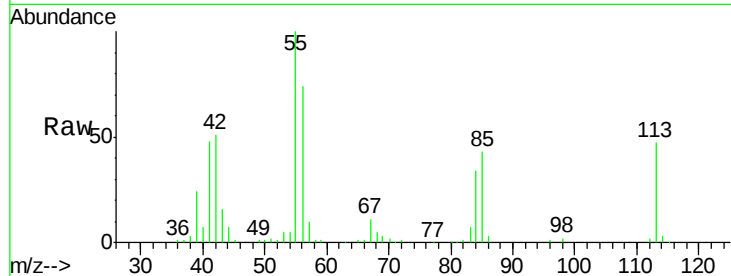




#35
 Caprolactam
 Concen: 33.95 ng
 RT: 8.38 min Scan# 551
 Delta R.T. -0.06 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

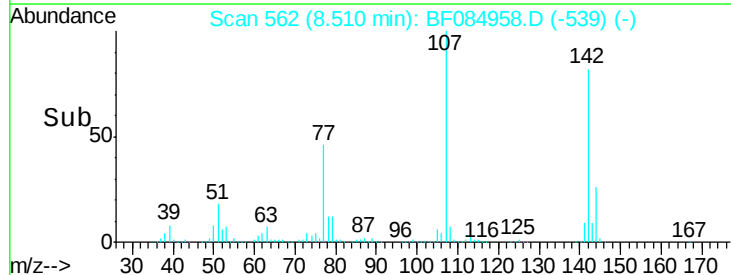
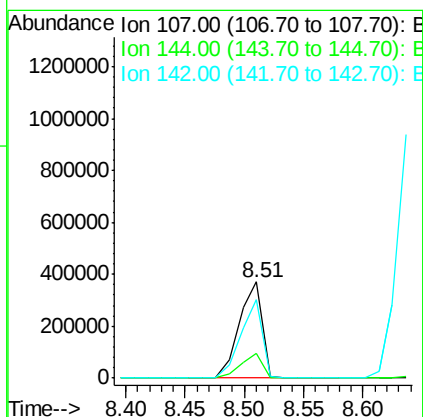
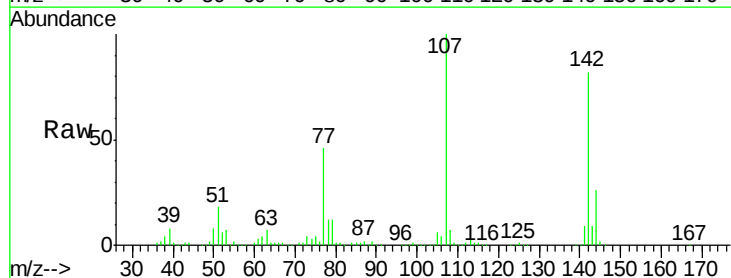
Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MSD

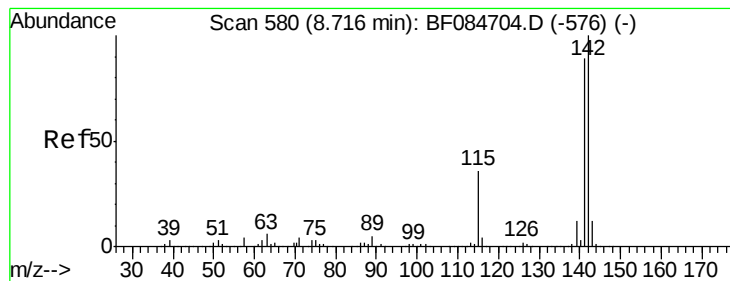
Tgt Ion:113 Resp: 91058
 Ion Ratio Lower Upper
 113 100
 55 211.9 116.9 156.9#
 56 156.4 93.8 133.8#



#36
 4-Chloro-3-methylphenol
 Concen: 50.21 ng
 RT: 8.51 min Scan# 562
 Delta R.T. -0.03 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Tgt Ion:107 Resp: 498366
 Ion Ratio Lower Upper
 107 100
 144 26.3 19.7 29.5
 142 81.6 61.8 92.6





#37

2-Methylnaphthalene

Concen: 46.33 ng

RT: 8.64 min Scan# 573

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

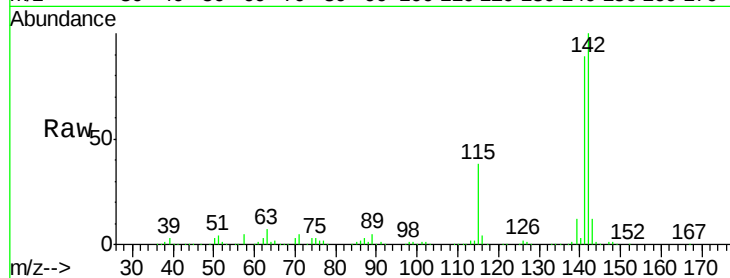
Tgt Ion:142 Resp: 907016

Ion Ratio Lower Upper

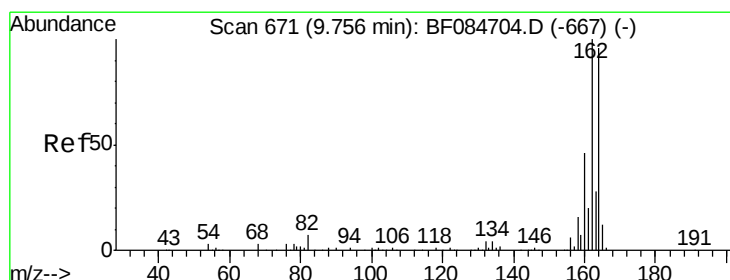
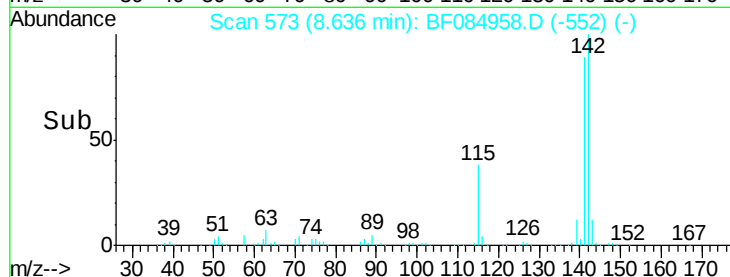
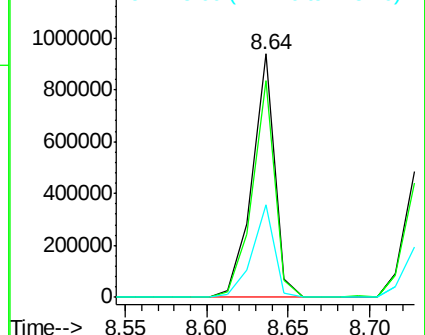
142 100

141 88.9 72.4 108.6

115 37.9 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

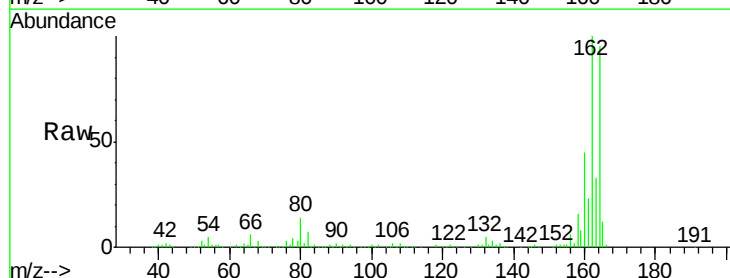
Tgt Ion:164 Resp: 301426

Ion Ratio Lower Upper

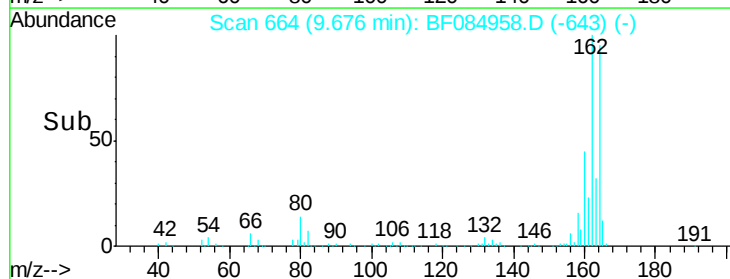
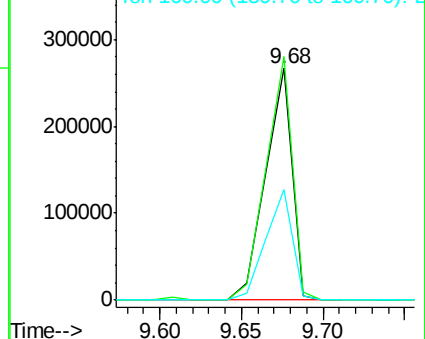
164 100

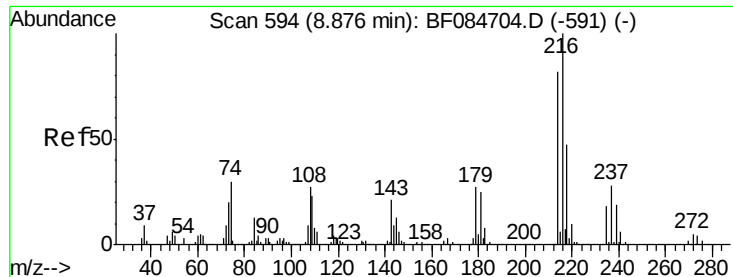
162 105.1 85.1 127.7

160 47.7 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.52 ng

RT: 8.81 min Scan# 588

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

Tgt Ion:216 Resp: 397468

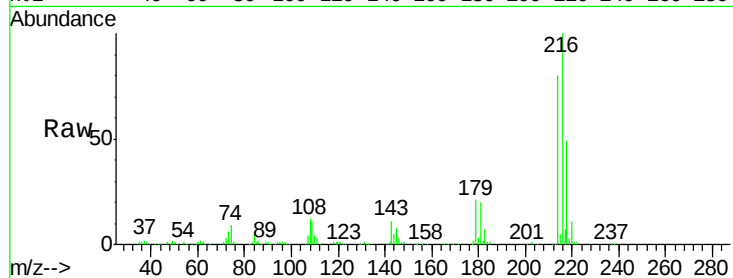
Ion Ratio Lower Upper

216 100

214 80.6 64.2 96.2

179 23.1 18.7 28.1

108 20.2 16.8 25.2

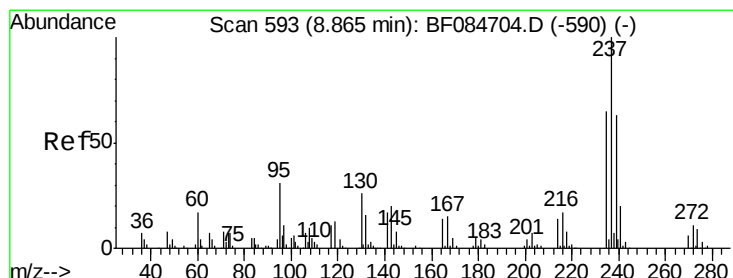
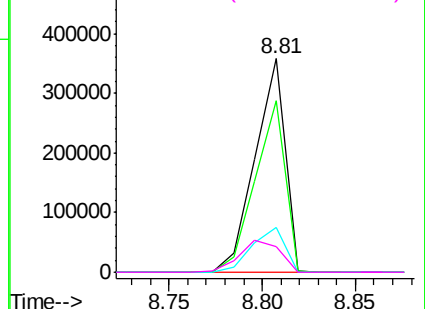
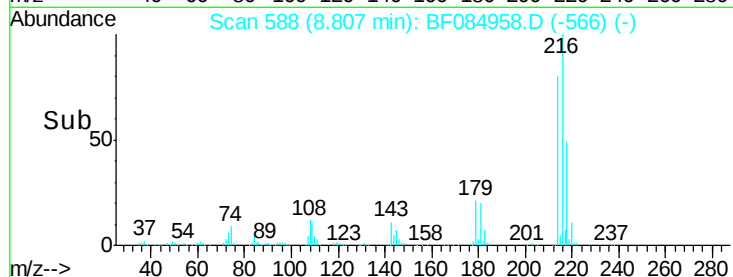


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 72.11 ng

RT: 8.78 min Scan# 586

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

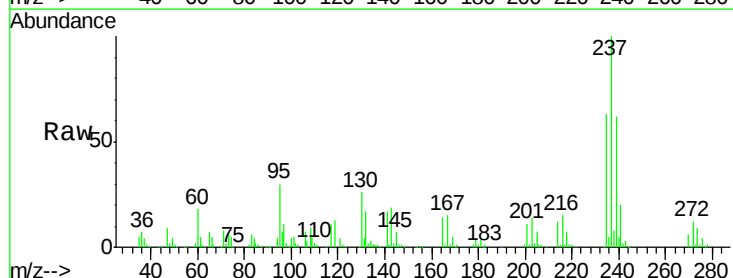
Tgt Ion:237 Resp: 292398

Ion Ratio Lower Upper

237 100

235 63.4 43.1 83.1

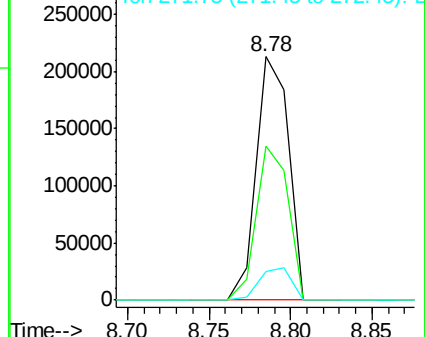
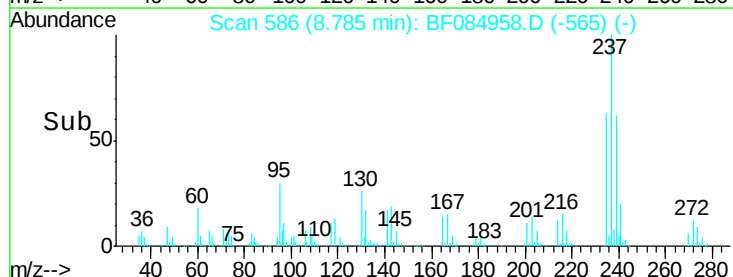
272 11.6 0.0 35.1

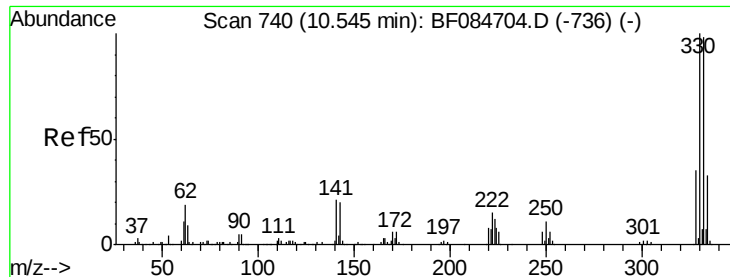


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

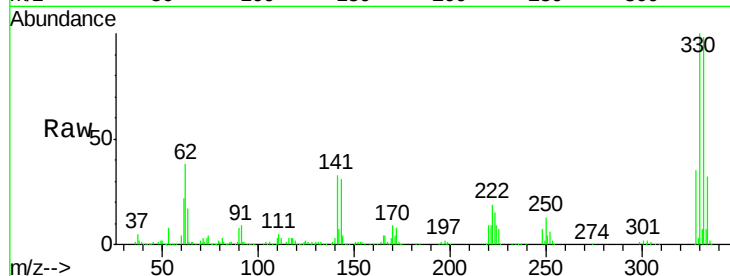




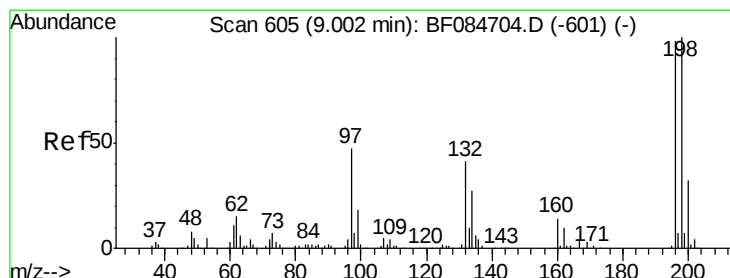
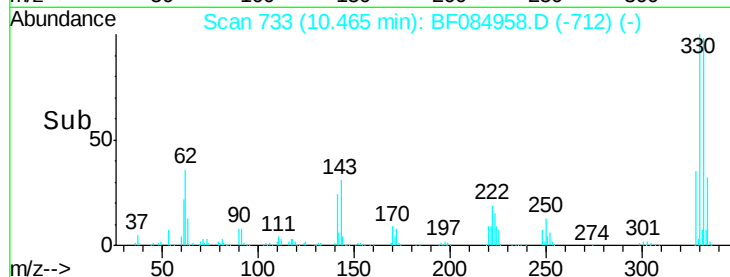
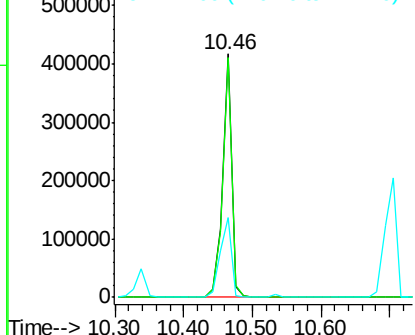
#41
 2,4,6-Tribromophenol
 Concen: 126.13 ng
 RT: 10.46 min Scan# 733
 Delta R.T. -0.06 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MSD

Tgt Ion:330 Resp: 396582
 Ion Ratio Lower Upper
 330 100
 332 98.4 76.6 114.8
 141 39.8 27.8 41.6

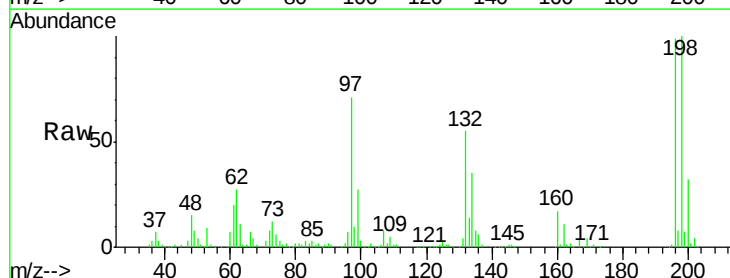


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

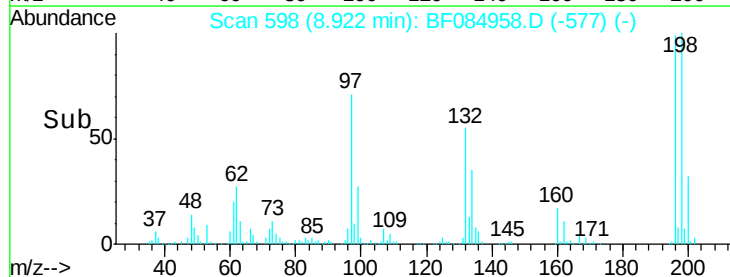
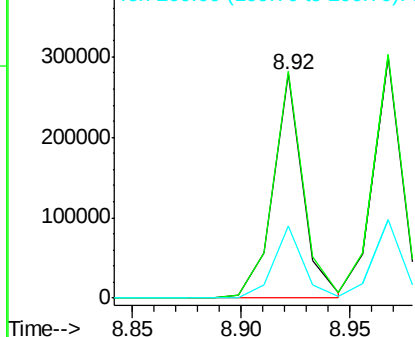


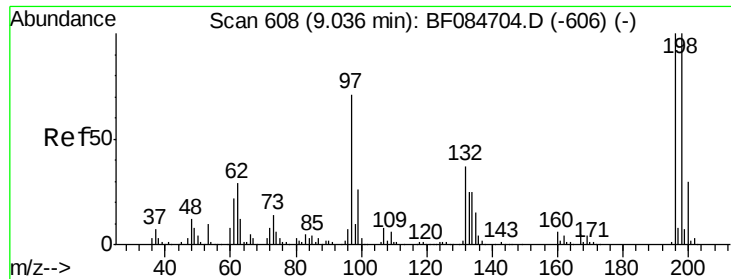
#42
 2,4,6-Trichlorophenol
 Concen: 43.57 ng
 RT: 8.92 min Scan# 598
 Delta R.T. -0.06 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Tgt Ion:196 Resp: 268737
 Ion Ratio Lower Upper
 196 100
 198 101.4 77.7 116.5
 200 32.0 24.6 37.0



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

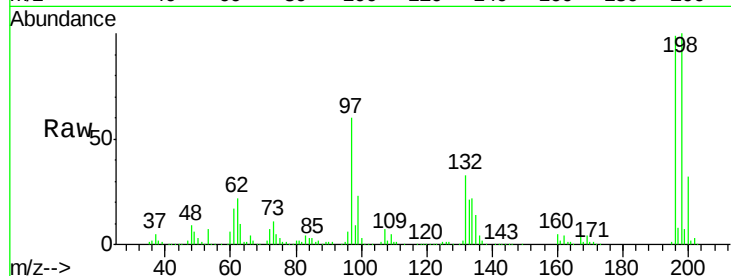




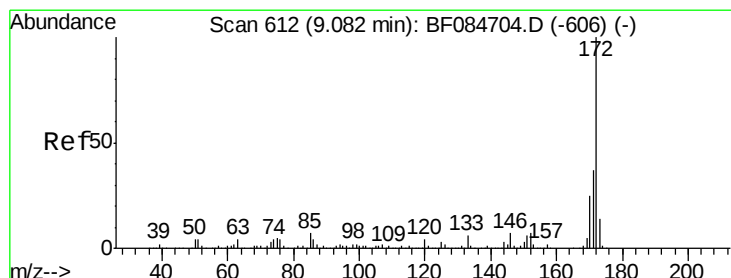
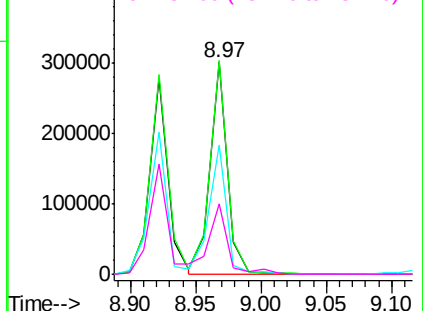
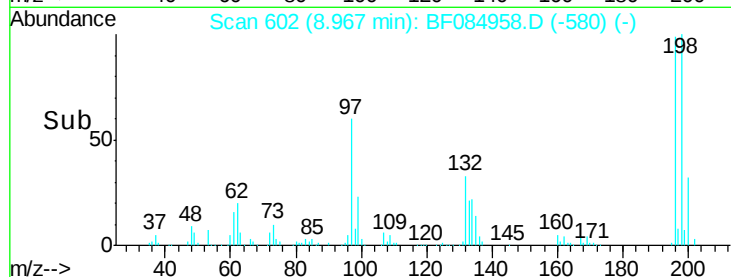
#43
 2,4,5-Trichlorophenol
 Concen: 44.23 ng
 RT: 8.97 min Scan# 602
 Delta R.T. -0.05 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MSD

Tgt Ion:196 Resp: 277178
 Ion Ratio Lower Upper
 196 100
 198 100.8 79.0 118.6
 97 60.8 33.0 49.6#
 132 33.3 21.1 31.7#

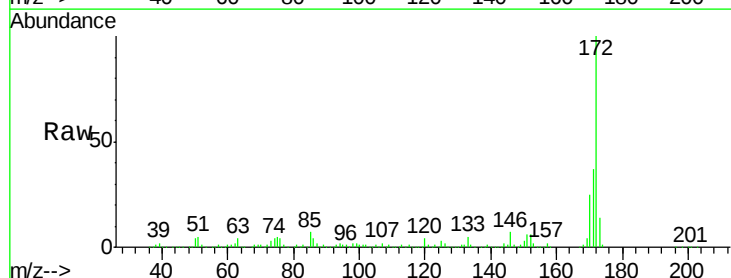


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

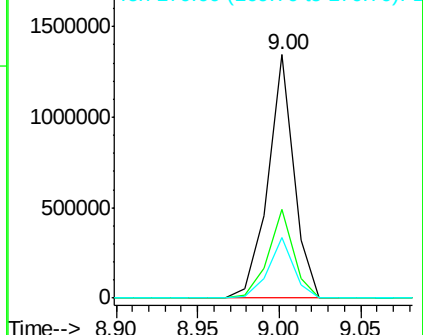
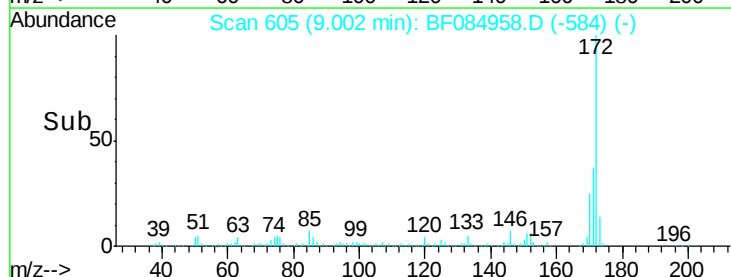


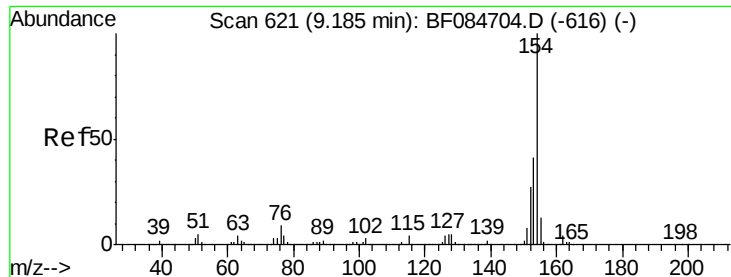
#44
 2-Fluorobiphenyl
 Concen: 82.71 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.06 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Tgt Ion:172 Resp: 1494168
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.9 43.3
 170 24.7 18.6 27.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 43.66 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

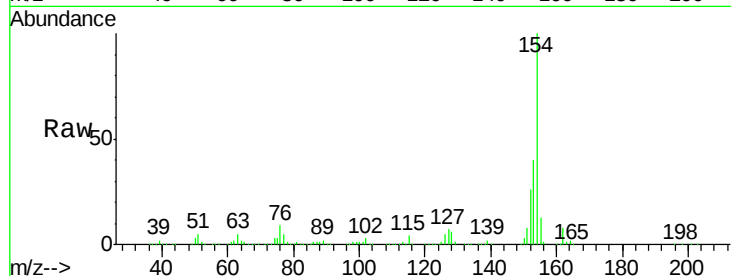
Tgt Ion:154 Resp: 1175384

Ion Ratio Lower Upper

154 100

153 40.2 21.6 61.6

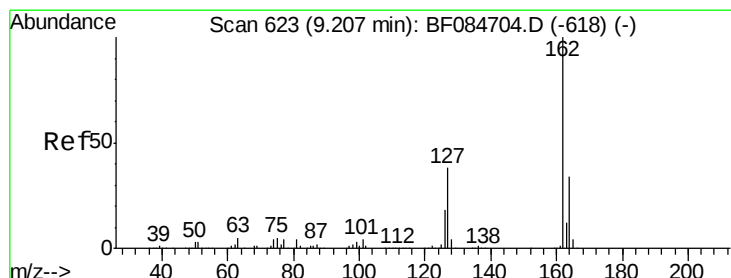
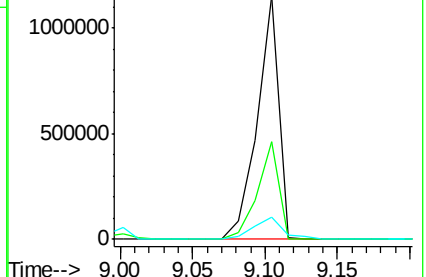
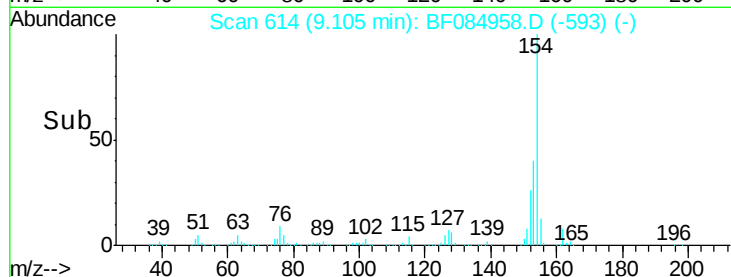
76 9.0 0.0 32.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 43.40 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

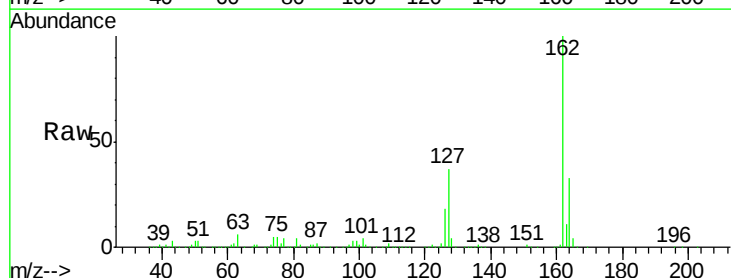
Tgt Ion:162 Resp: 860491

Ion Ratio Lower Upper

162 100

127 37.4 40.2 60.4#

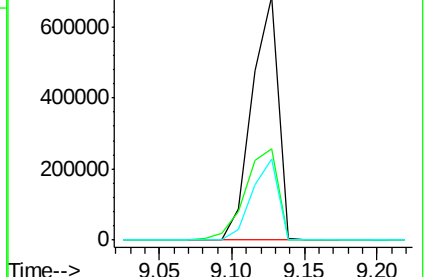
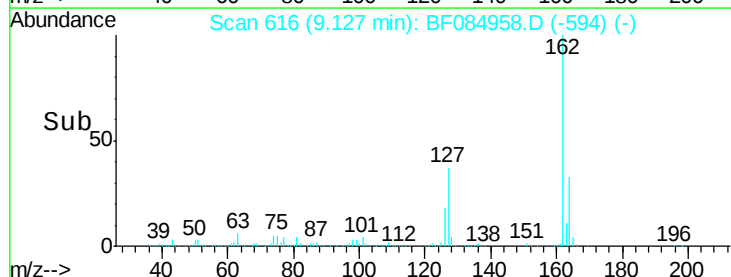
164 33.3 25.7 38.5

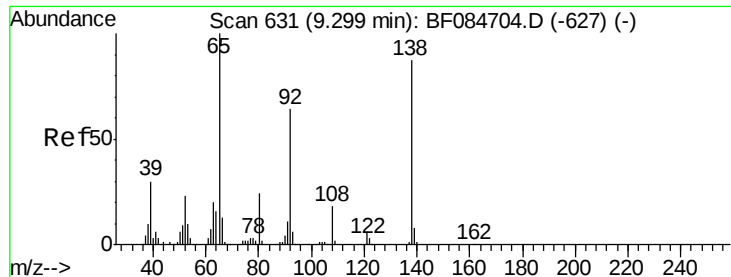


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 50.66 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

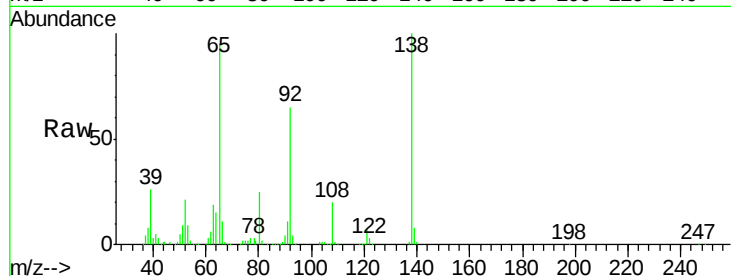
Tgt Ion: 65 Resp: 318043

Ion Ratio Lower Upper

65 100

92 67.7 53.4 80.2

138 104.9 71.1 106.7



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E

400000

300000

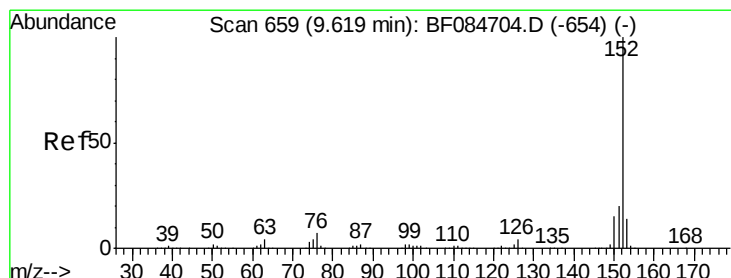
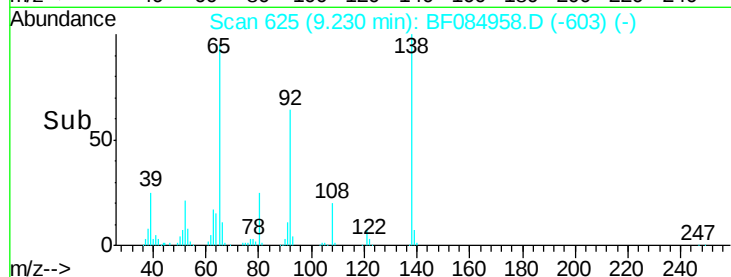
200000

100000

0

9.15 9.20 9.23 9.25 9.30

Time-->



#48

Acenaphthylene

Concen: 44.54 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

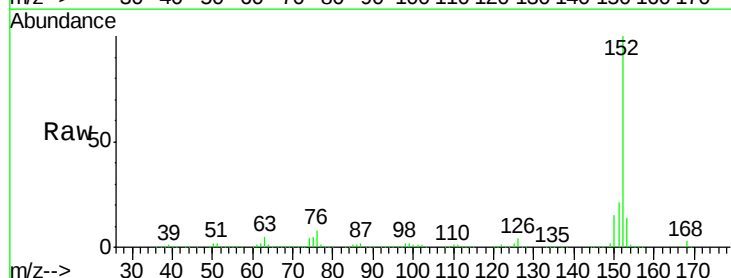
Tgt Ion: 152 Resp: 1340047

Ion Ratio Lower Upper

152 100

151 20.5 16.3 24.5

153 14.4 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

1500000

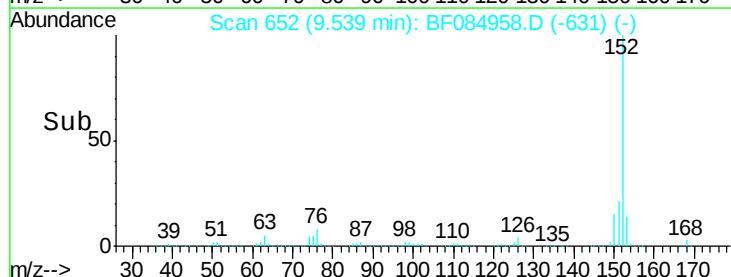
1000000

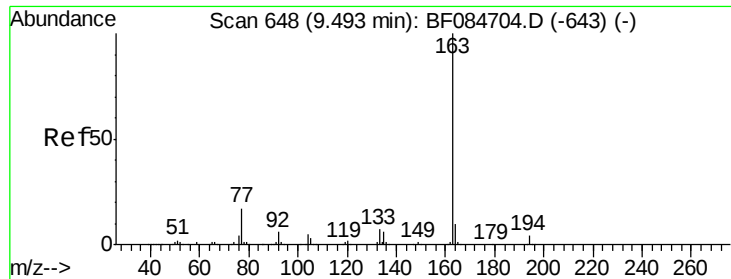
500000

0

9.45 9.50 9.54 9.55 9.60

Time-->

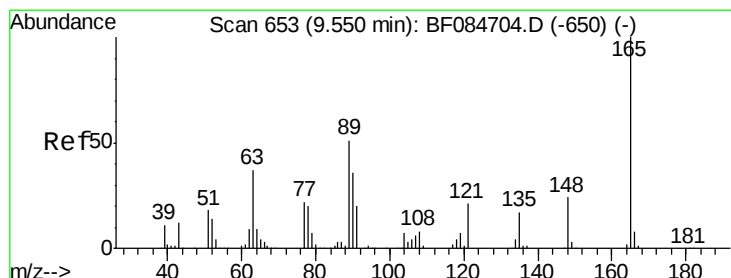
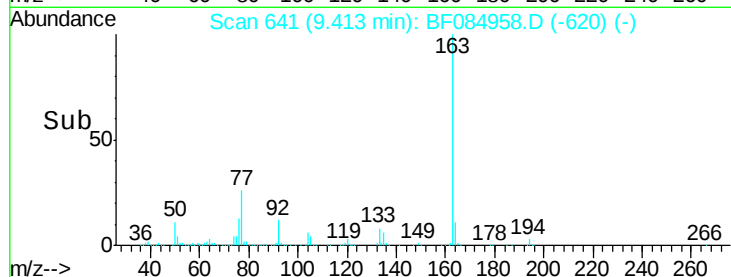
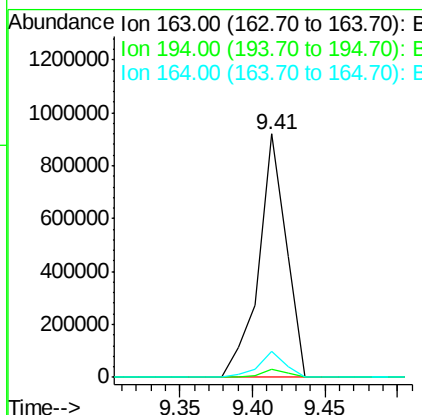
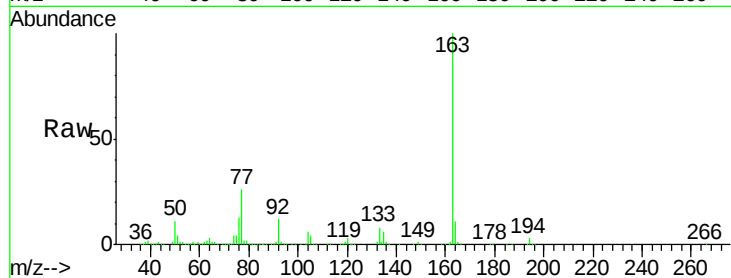




#49
Dimethylphthalate
Concen: 52.83 ng
RT: 9.41 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

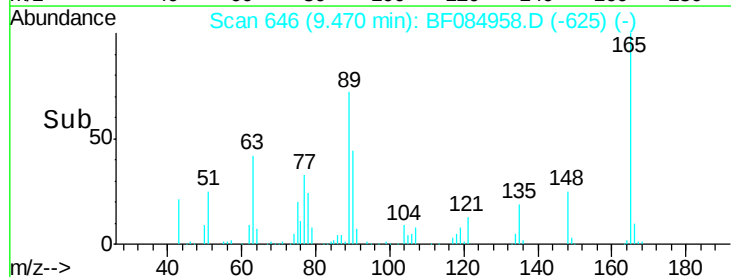
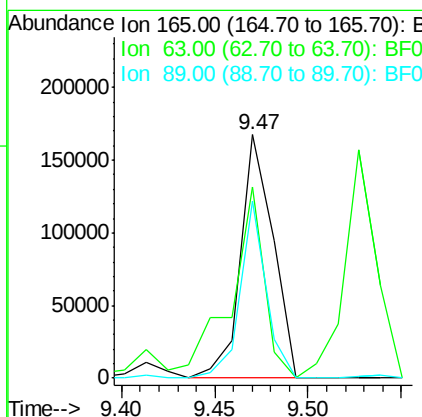
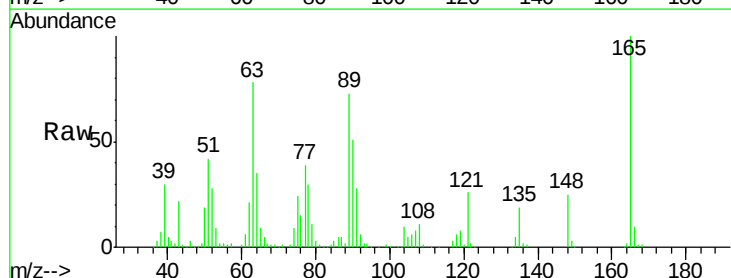
Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MSD

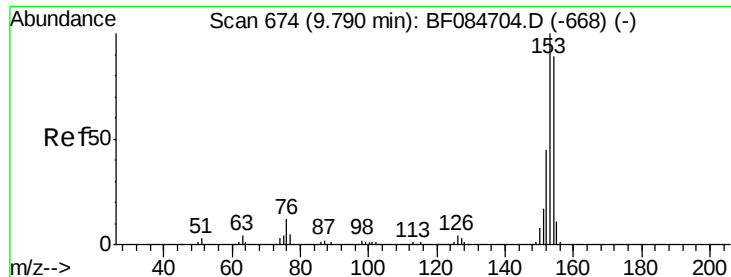
Tgt Ion:163 Resp: 1212962
Ion Ratio Lower Upper
163 100
194 3.3 8.0 12.0#
164 10.9 8.0 12.0



#50
2,6-Dinitrotoluene
Concen: 40.30 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.06 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

Tgt Ion:165 Resp: 202131
Ion Ratio Lower Upper
165 100
63 78.4 28.8 43.2#
89 72.8 35.1 52.7#





#51

Acenaphthene

Concen: 42.27 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

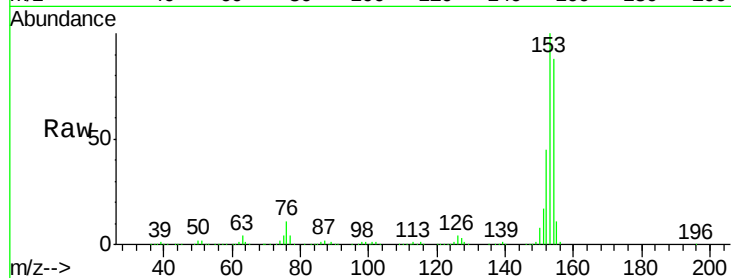
Tgt Ion:154 Resp: 827429

Ion Ratio Lower Upper

154 100

153 113.4 91.5 137.3

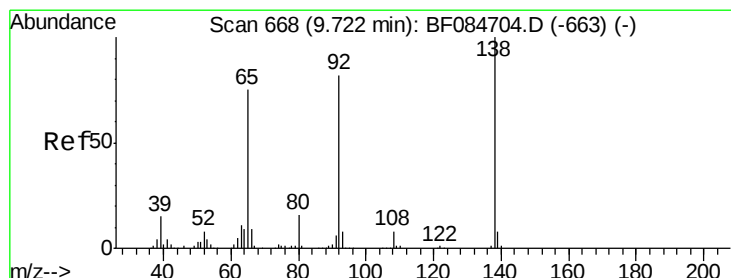
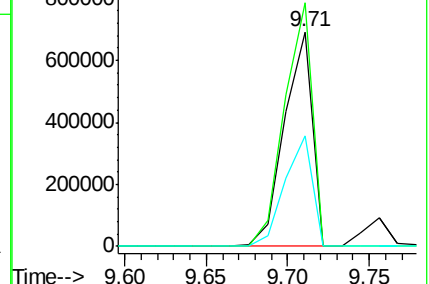
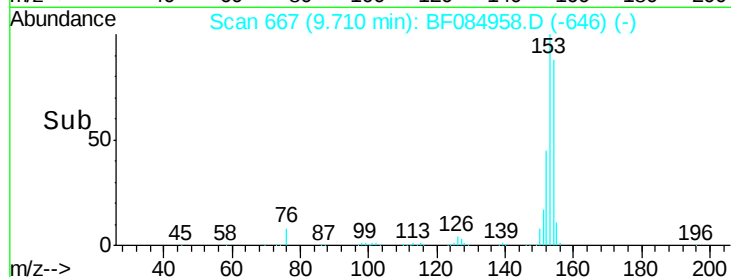
152 51.3 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 22.99 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

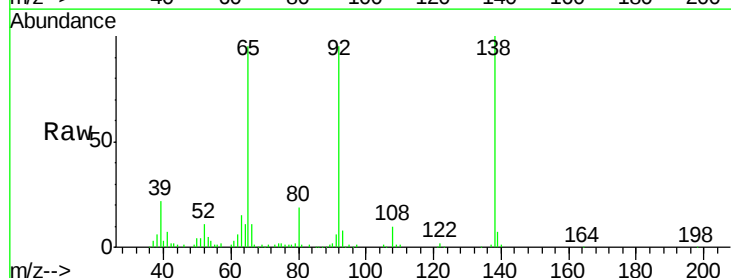
Tgt Ion:138 Resp: 129584

Ion Ratio Lower Upper

138 100

108 10.2 10.5 15.7#

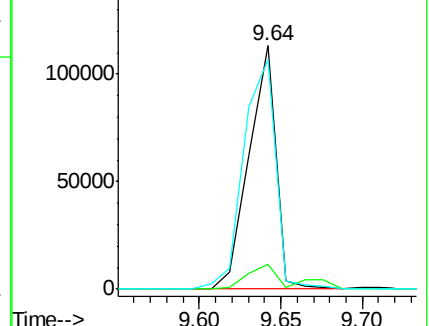
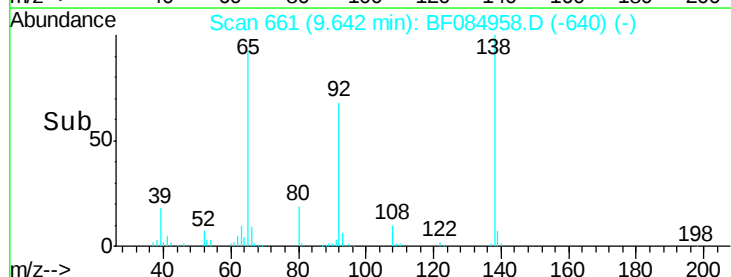
92 94.5 103.9 155.9#

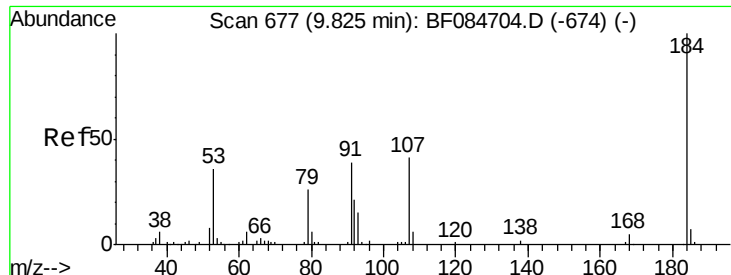


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

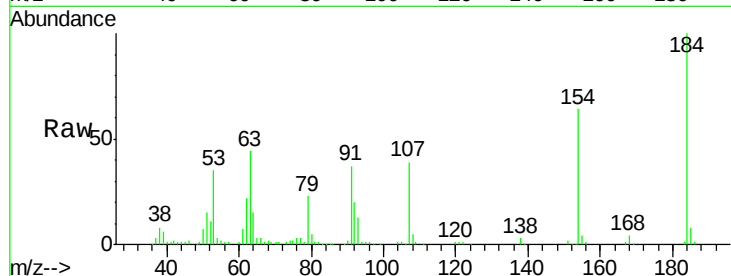




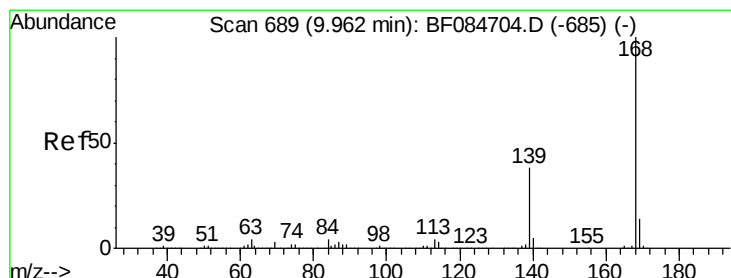
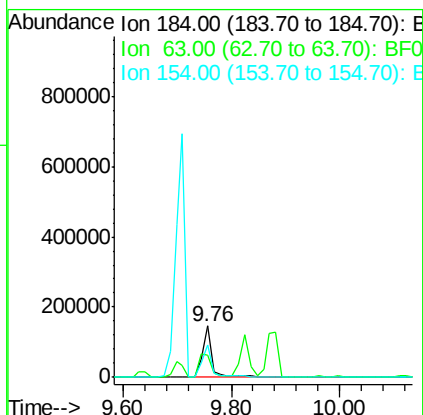
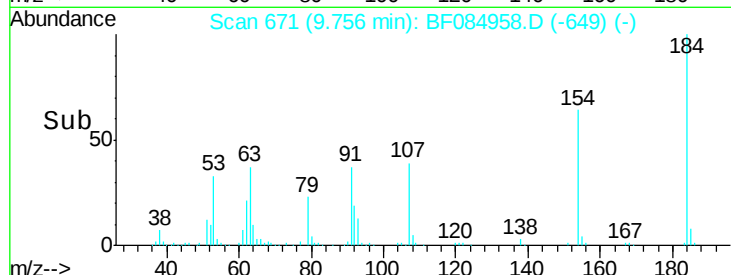
#53
 2,4-Dinitrophenol
 Concen: 80.59 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.05 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MSD

Tgt Ion:184 Resp: 186664
 Ion Ratio Lower Upper
 184 100
 63 43.9 43.1 64.7
 154 64.0 60.5 90.7

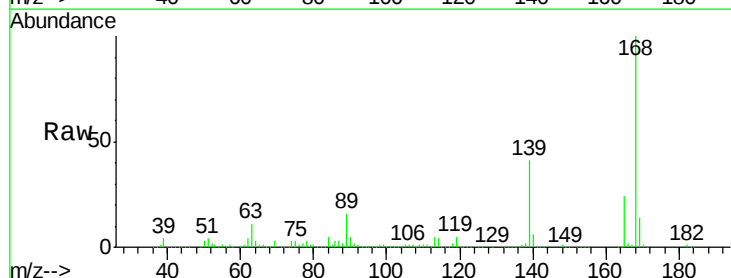


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

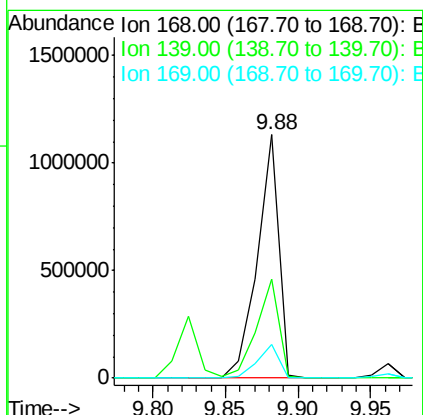
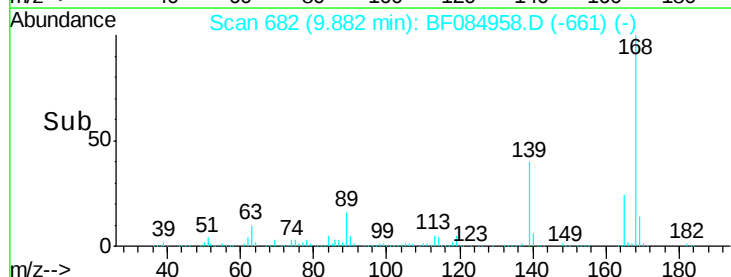


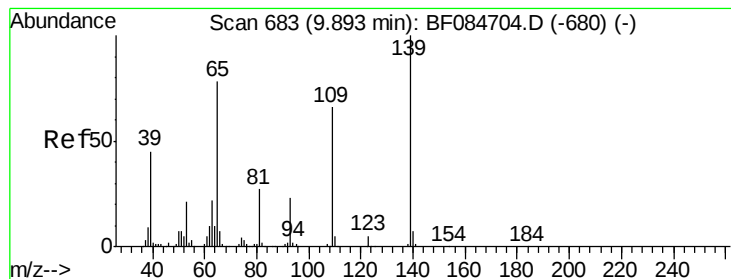
#54
 Dibenzofuran
 Concen: 48.51 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.06 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Tgt Ion:168 Resp: 1160602
 Ion Ratio Lower Upper
 168 100
 139 40.6 30.5 45.7
 169 13.7 10.4 15.6



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 69.33 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

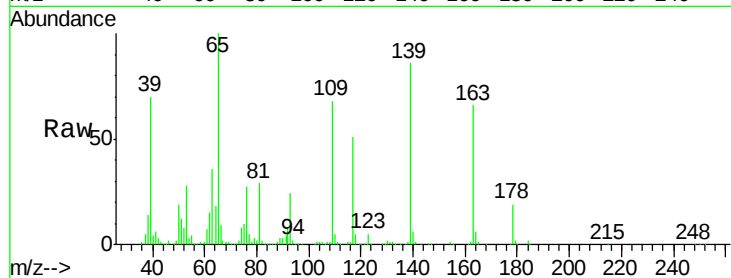
Tgt Ion:139 Resp: 287141

Ion Ratio Lower Upper

139 100

109 79.2 58.5 98.5

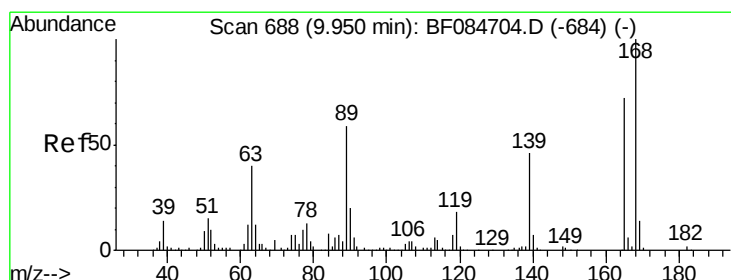
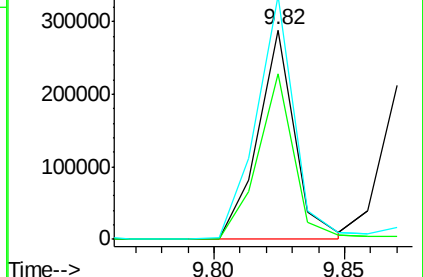
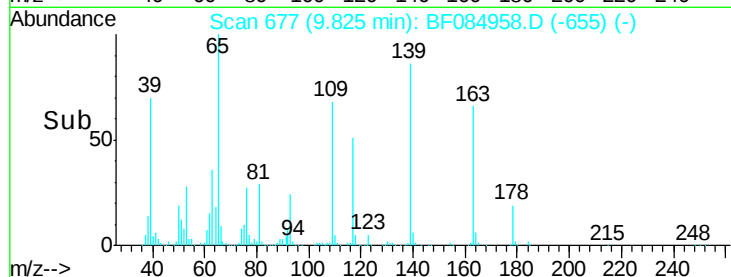
65 116.4 57.6 97.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 48.30 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Tgt Ion:165 Resp: 308938

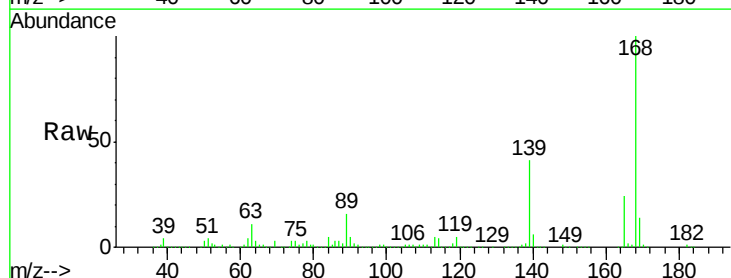
Ion Ratio Lower Upper

165 100

63 47.5 36.7 55.1

89 66.7 61.9 92.9

182 2.4 2.0 3.0

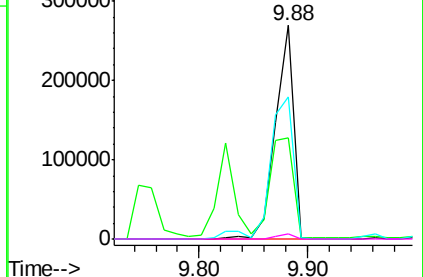
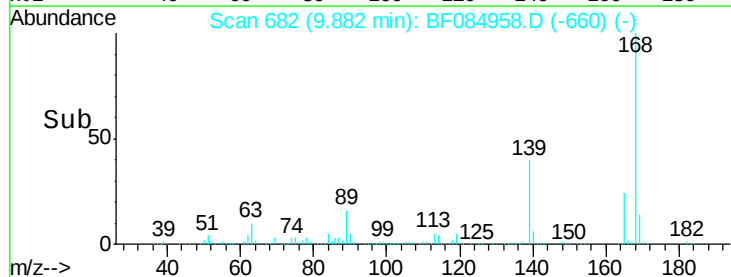


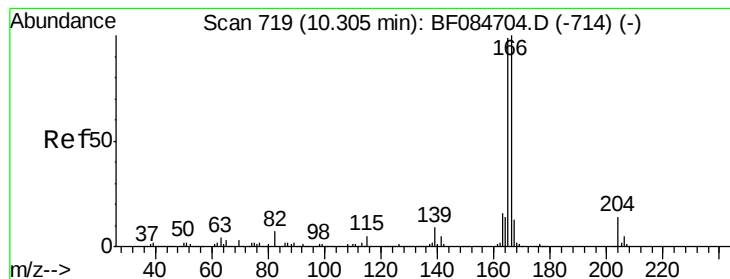
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 44.05 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

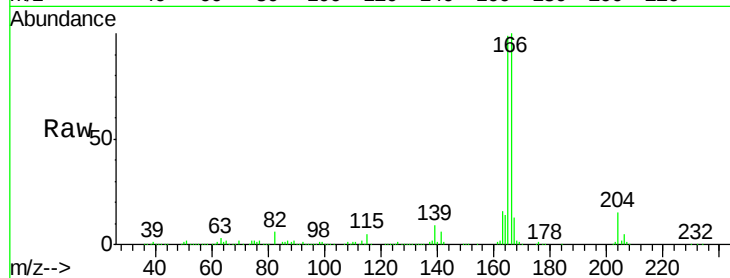
Tgt Ion:166 Resp: 880081

Ion Ratio Lower Upper

166 100

165 98.5 79.1 118.7

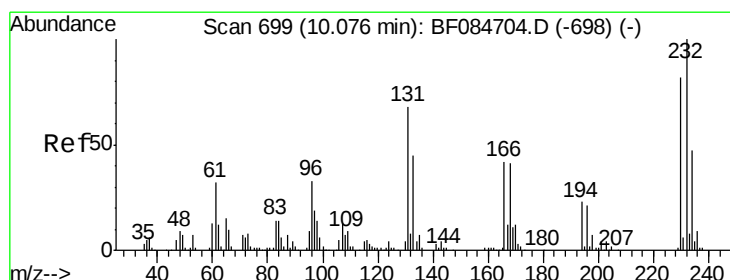
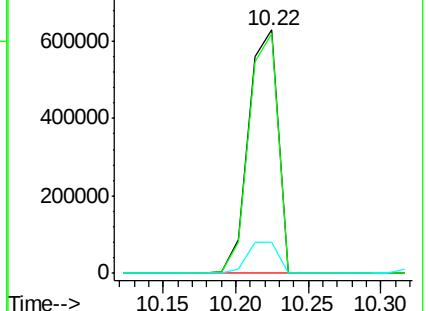
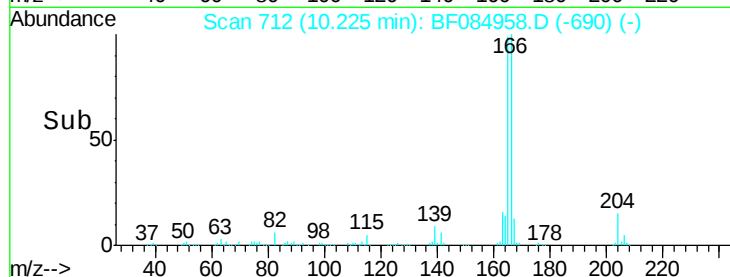
167 12.8 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 48.68 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Tgt Ion:232 Resp: 232215

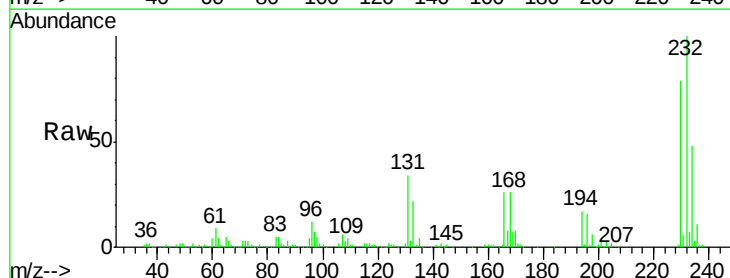
Ion Ratio Lower Upper

232 100

131 49.9 47.0 70.6

130 2.1 2.0 3.0

166 30.3 30.5 45.7#

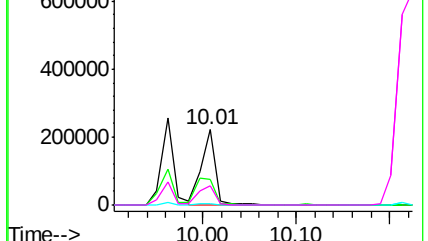
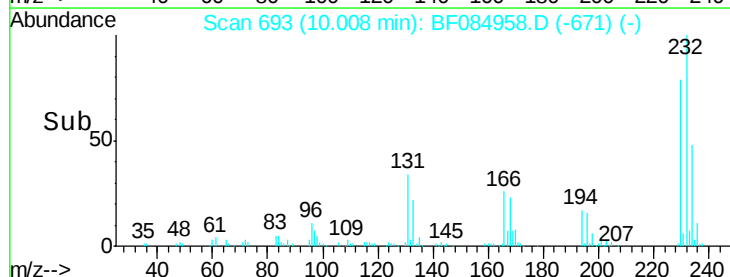


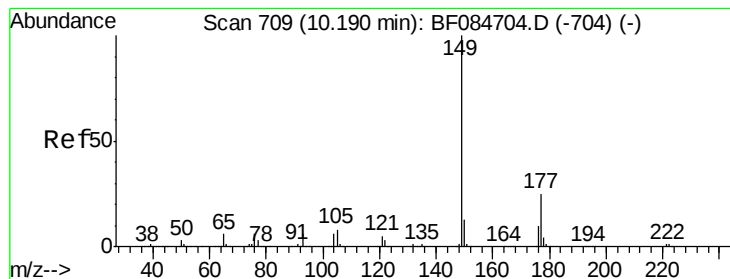
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 42.55 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

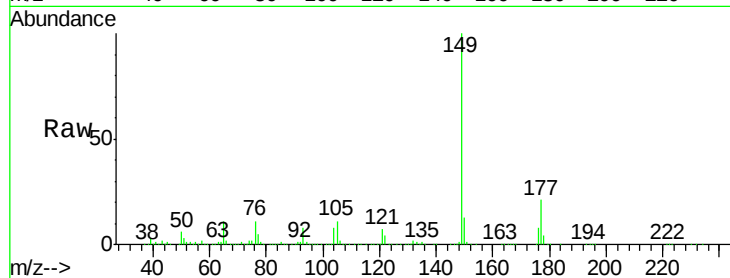
Tgt Ion:149 Resp: 953771

Ion Ratio Lower Upper

149 100

177 21.3 17.3 25.9

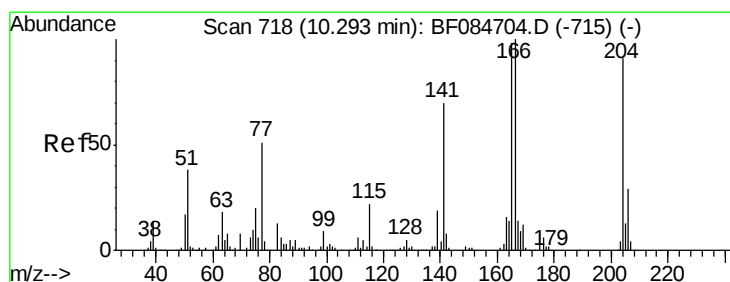
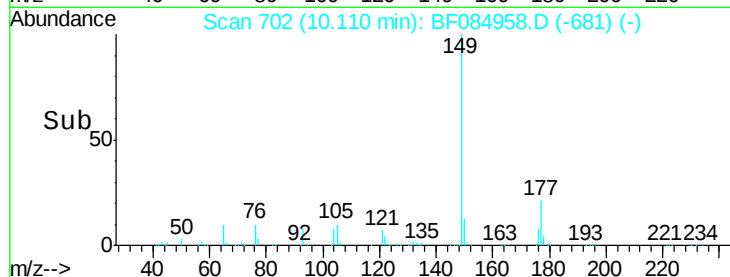
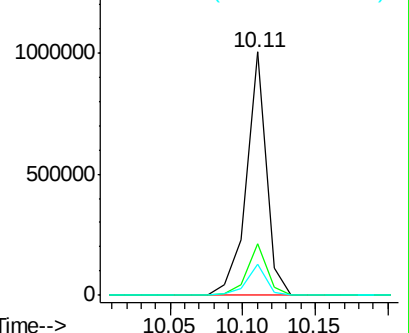
150 13.0 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 44.66 ng

RT: 10.21 min Scan# 711

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

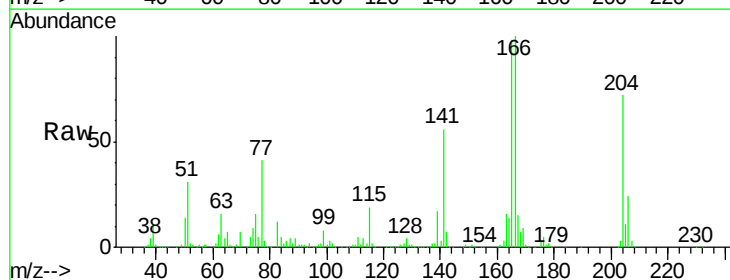
Tgt Ion:204 Resp: 375294

Ion Ratio Lower Upper

204 100

206 33.0 25.7 38.5

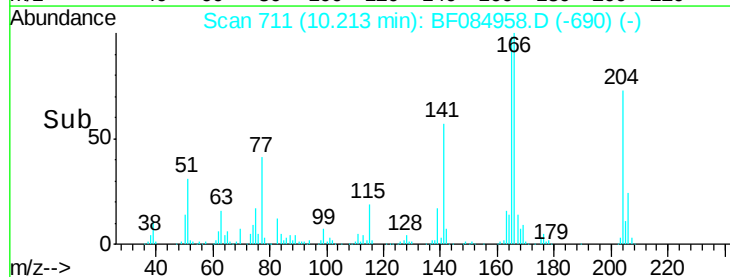
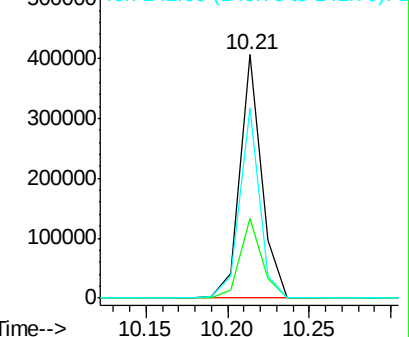
141 77.8 55.1 82.7

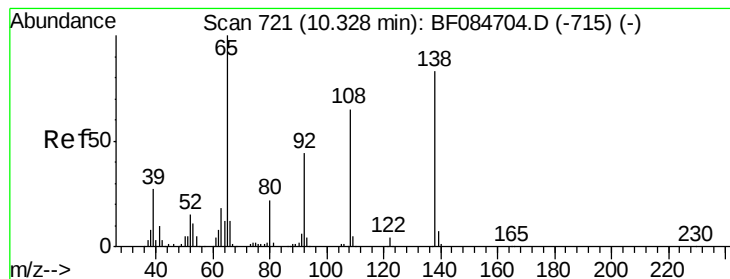


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 47.66 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.05 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

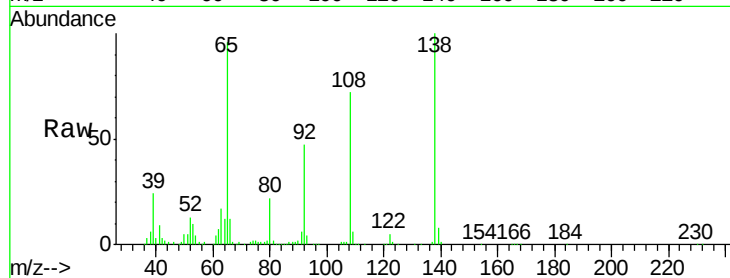
Tgt Ion:138 Resp: 261713

Ion Ratio Lower Upper

138 100

92 46.9 32.6 72.6

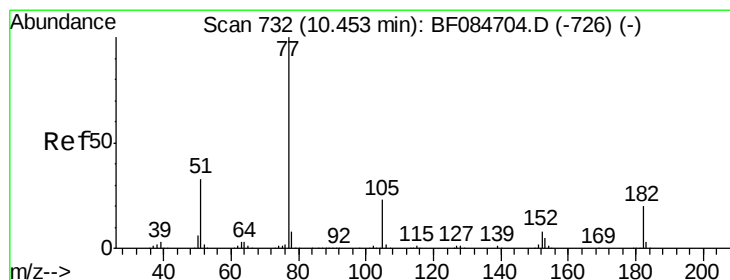
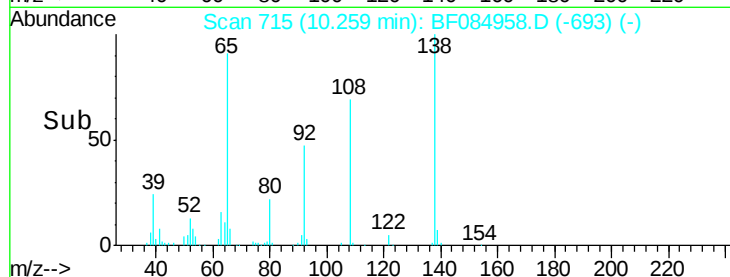
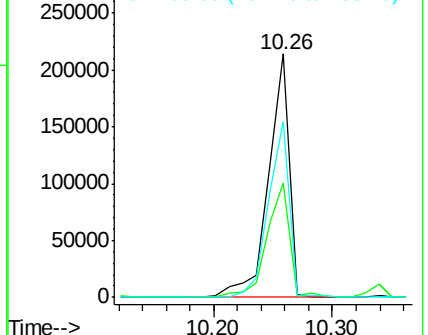
108 72.2 68.6 108.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 45.13 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Tgt Ion: 77 Resp: 972876

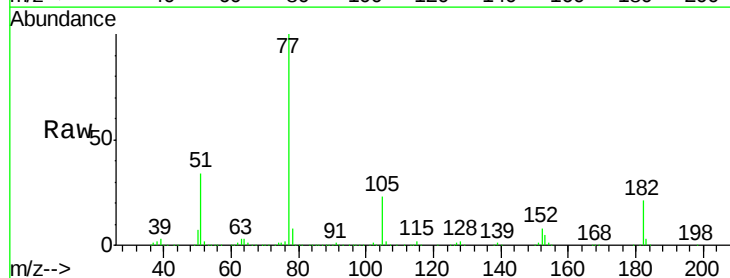
Ion Ratio Lower Upper

77 100

182 20.8 8.3 48.3

105 22.8 4.6 44.6

51 33.9 6.2 46.2

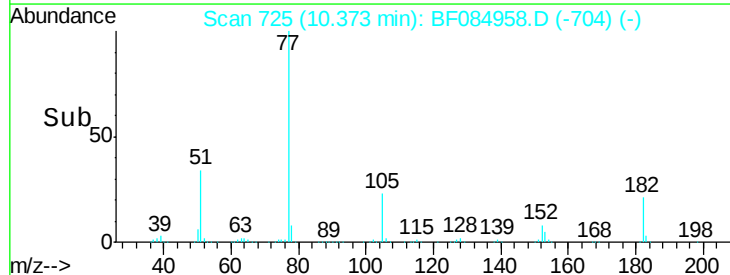
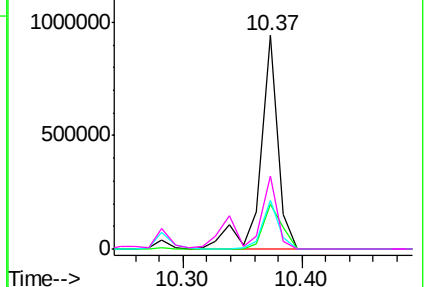


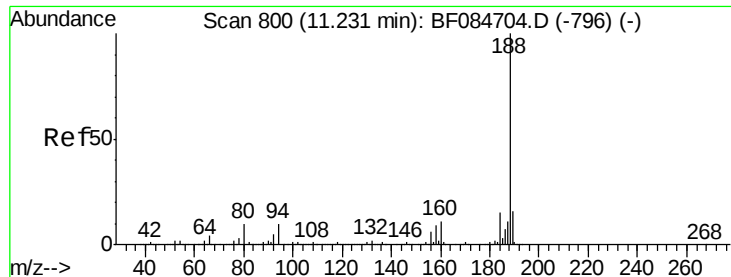
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

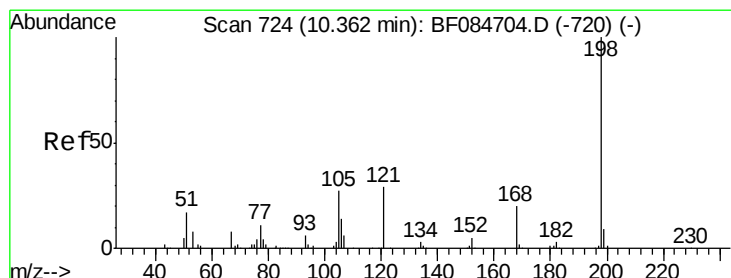
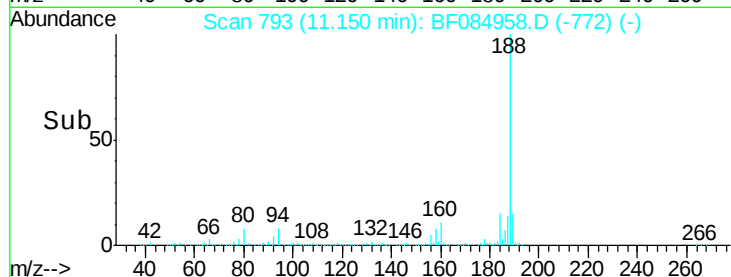
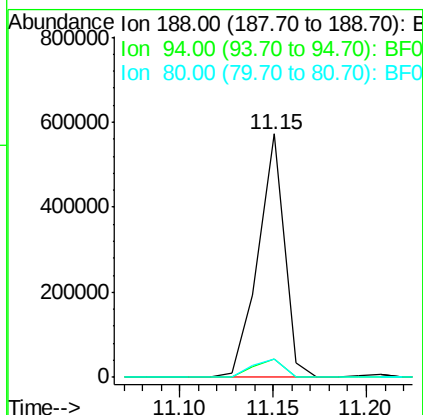
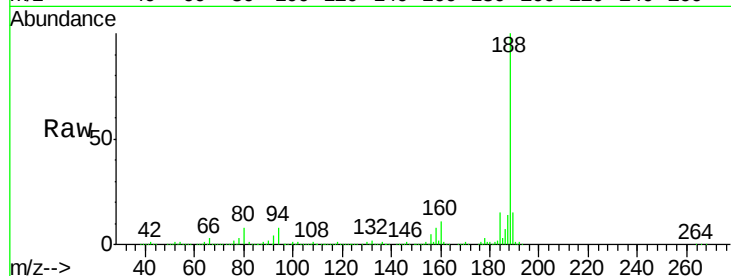




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 793
Delta R.T. -0.06 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

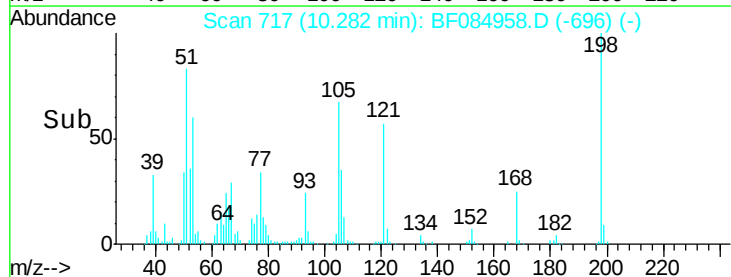
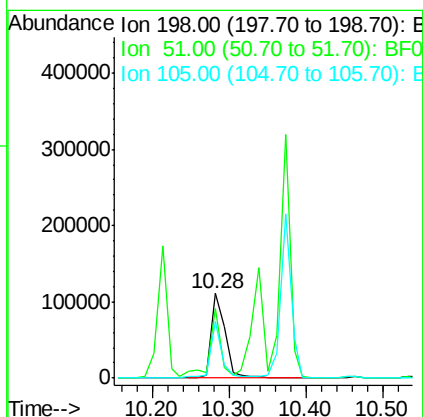
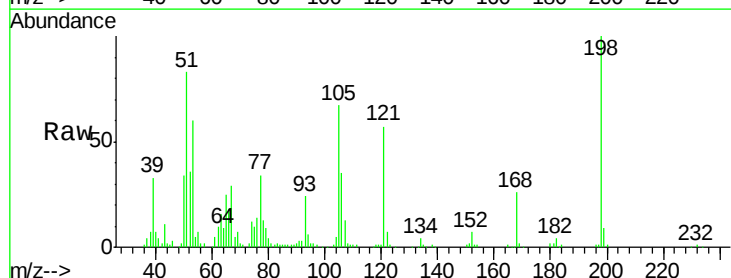
Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MSD

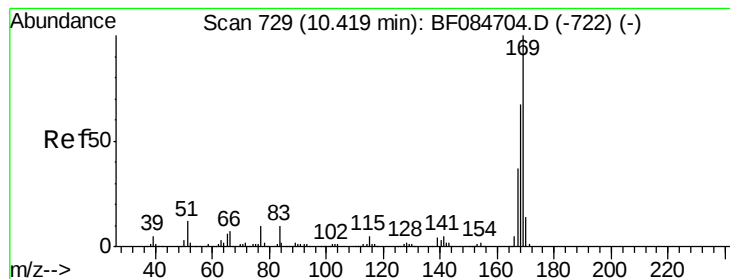
Tgt Ion:188 Resp: 556288
Ion Ratio Lower Upper
188 100
94 7.5 9.0 13.4#
80 7.7 9.6 14.4#



#64
4,6-Dinitro-2-methylphenol
Concen: 41.58 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.06 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

Tgt Ion:198 Resp: 142772
Ion Ratio Lower Upper
198 100
51 82.9 18.9 58.9#
105 66.6 26.4 66.4#





#65

n-Nitrosodiphenylamine

Concen: 44.87 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

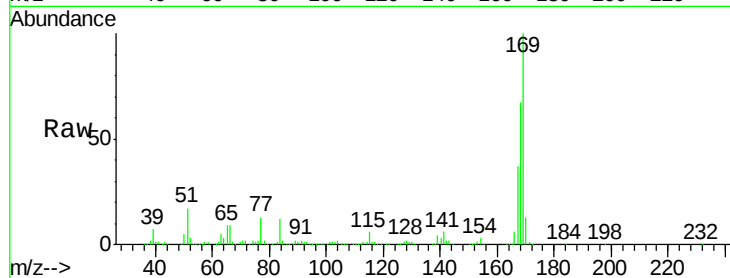
Tgt Ion:169 Resp: 792545

Ion Ratio Lower Upper

169 100

168 66.8 55.1 82.7

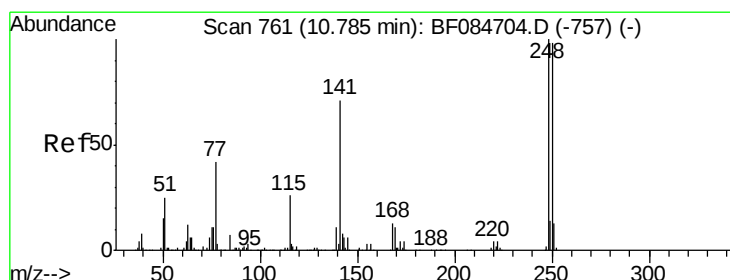
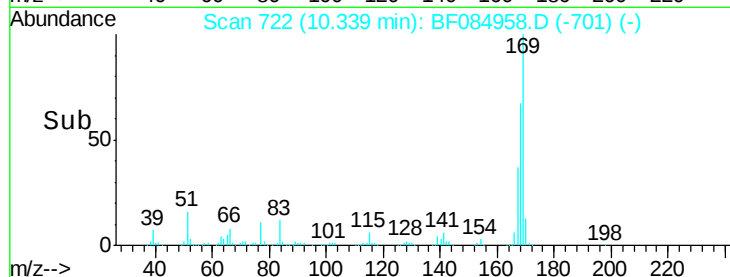
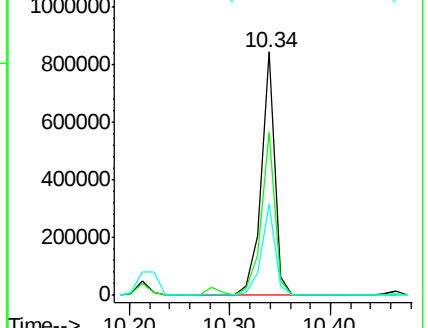
167 37.3 30.0 45.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 45.77 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

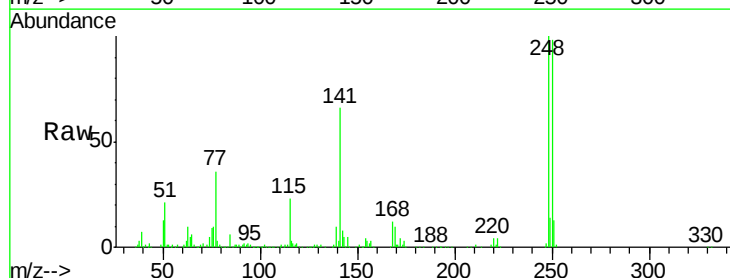
Tgt Ion:248 Resp: 281242

Ion Ratio Lower Upper

248 100

250 97.6 78.4 117.6

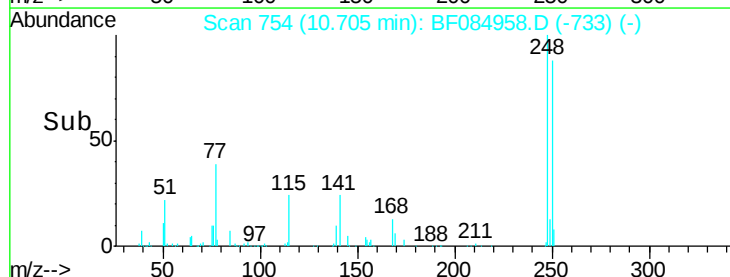
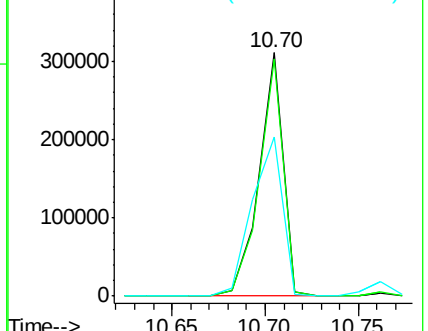
141 65.5 44.0 66.0

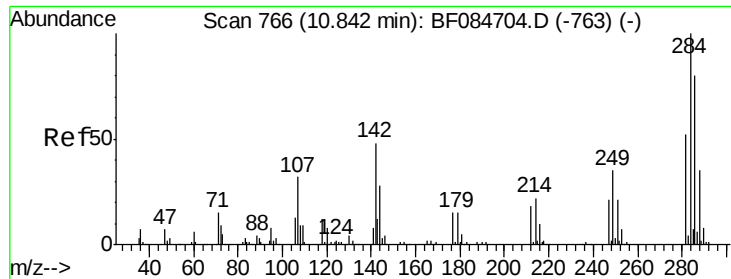


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

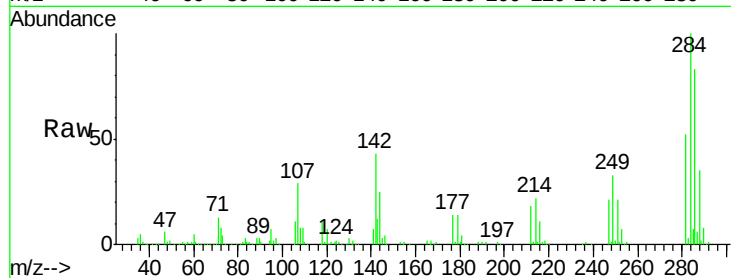




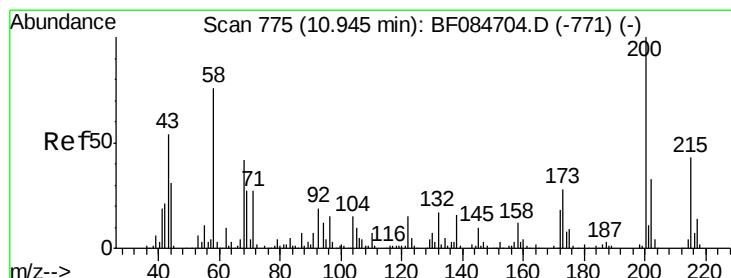
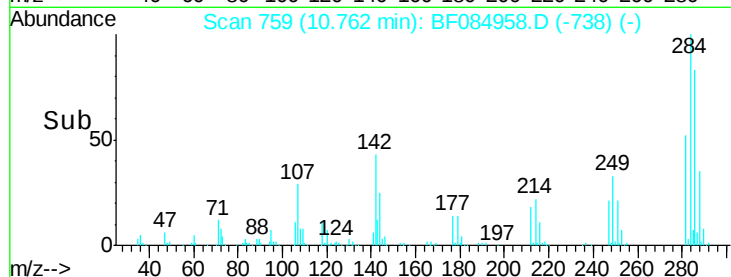
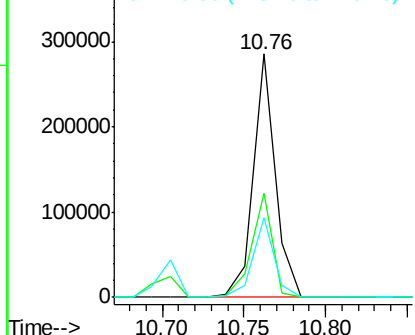
#67
Hexachlorobenzene
Concen: 39.93 ng
RT: 10.76 min Scan# 759
Delta R.T. -0.06 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MSD

Tgt Ion:284 Resp: 267323
Ion Ratio Lower Upper
284 100
142 42.9 22.2 33.4#
249 32.5 24.6 37.0

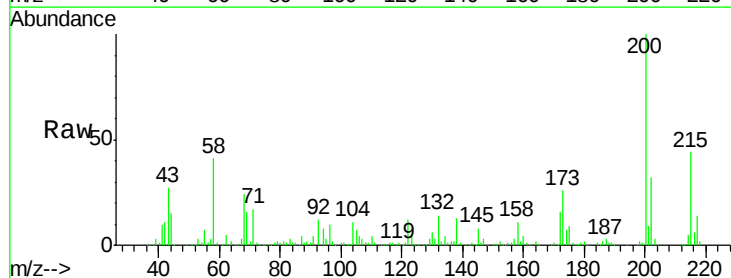


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

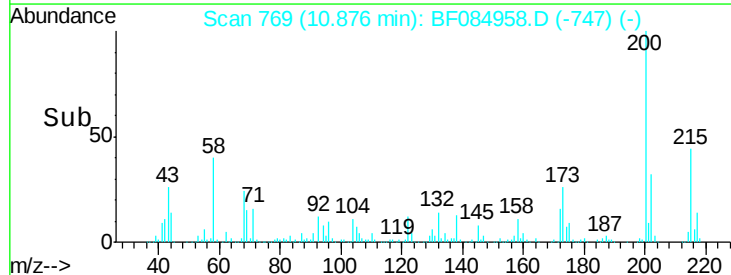
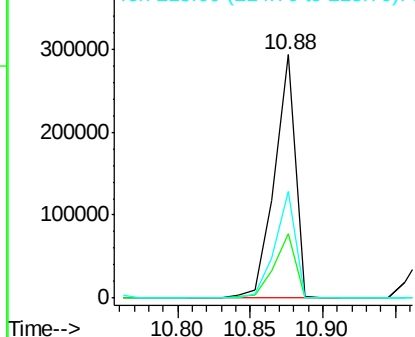


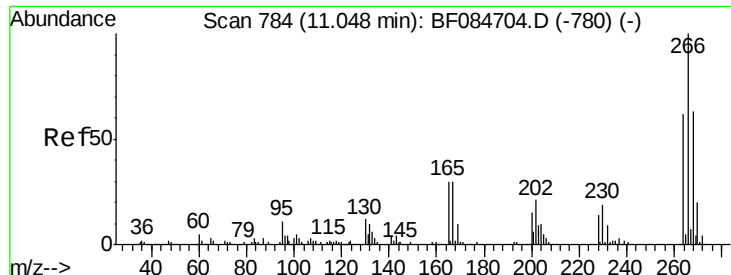
#68
Atrazine
Concen: 52.47 ng
RT: 10.88 min Scan# 769
Delta R.T. -0.05 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

Tgt Ion:200 Resp: 292709
Ion Ratio Lower Upper
200 100
173 26.4 9.5 49.5
215 44.0 23.8 63.8



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

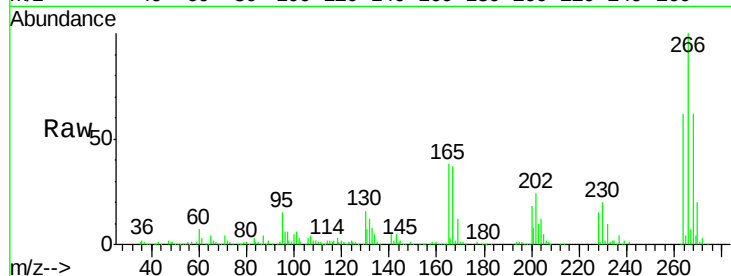




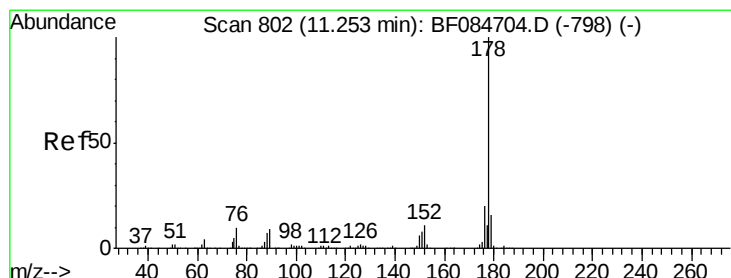
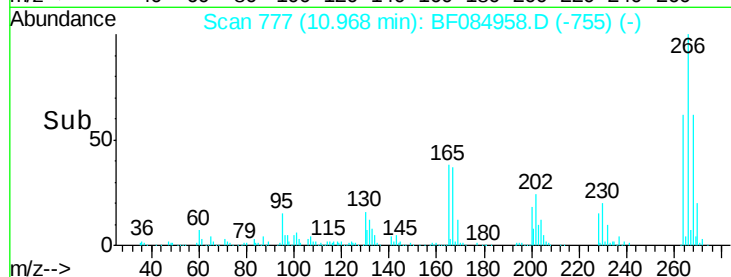
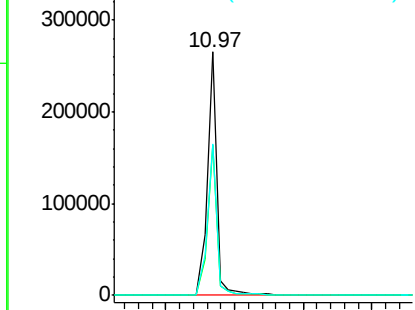
#69
 Pentachlorophenol
 Concen: 81.25 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.05 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MSD

Tgt Ion:266 Resp: 255642
 Ion Ratio Lower Upper
 266 100
 268 61.9 52.4 78.6
 264 62.5 50.2 75.2

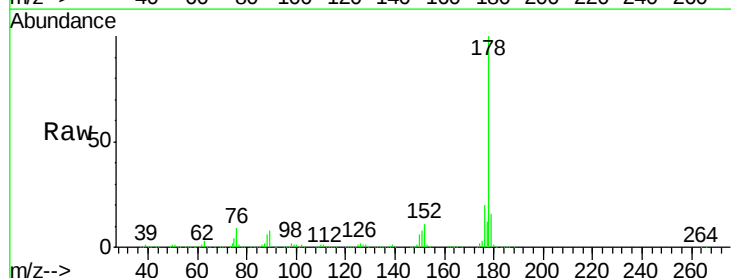


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

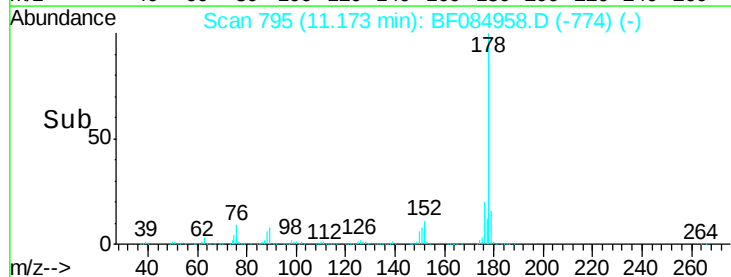
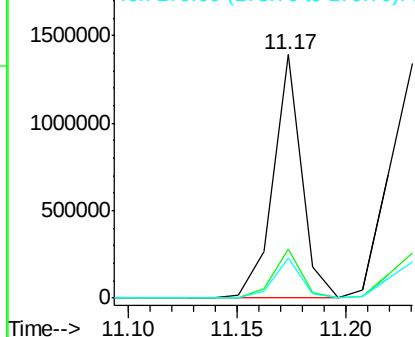


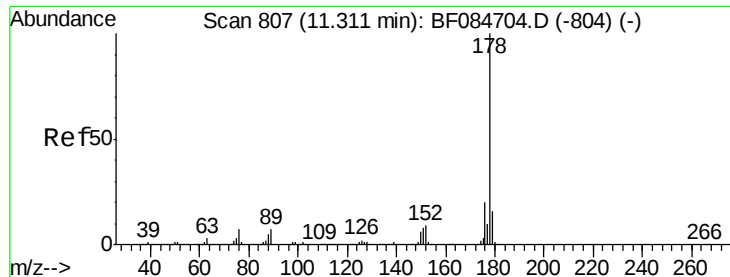
#70
 Phenanthrene
 Concen: 41.33 ng
 RT: 11.17 min Scan# 795
 Delta R.T. -0.06 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Tgt Ion:178 Resp: 1275098
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.3 22.9
 179 16.2 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 46.60 ng

RT: 11.23 min Scan# 800

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

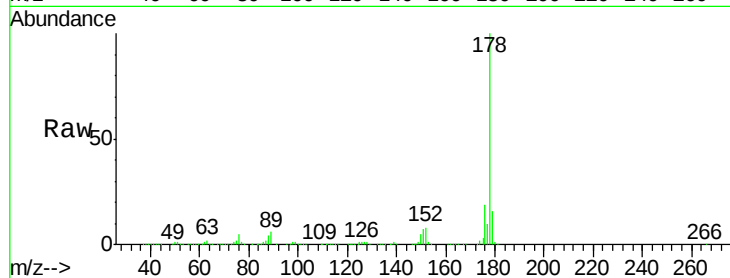
Tgt Ion:178 Resp: 1448913

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

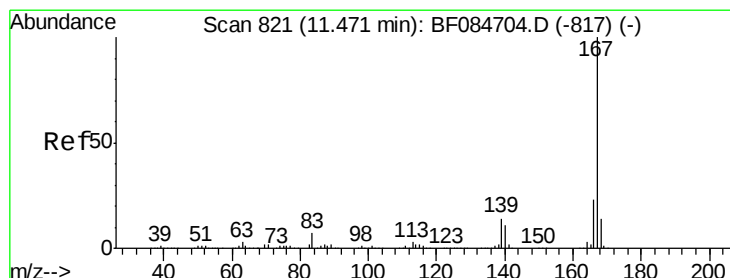
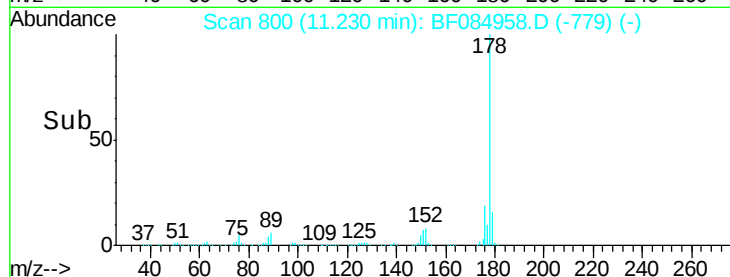
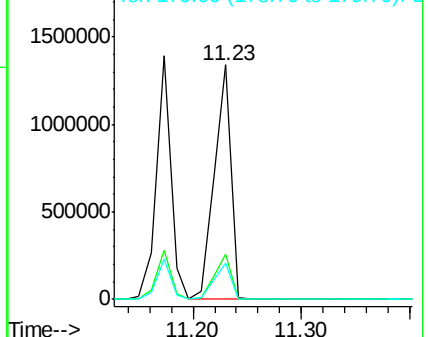
179 15.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 48.24 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

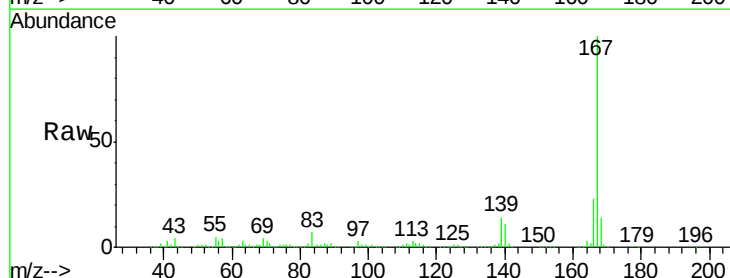
Tgt Ion:167 Resp: 1307807

Ion Ratio Lower Upper

167 100

166 22.9 17.6 26.4

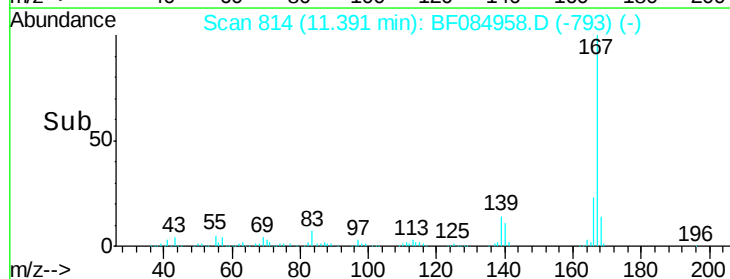
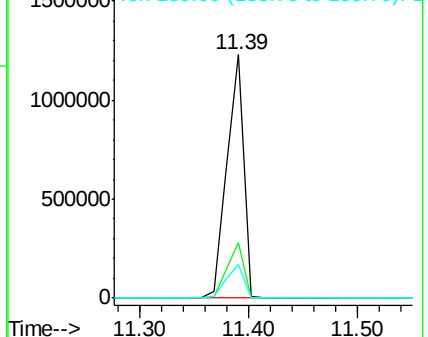
139 14.1 11.8 17.8

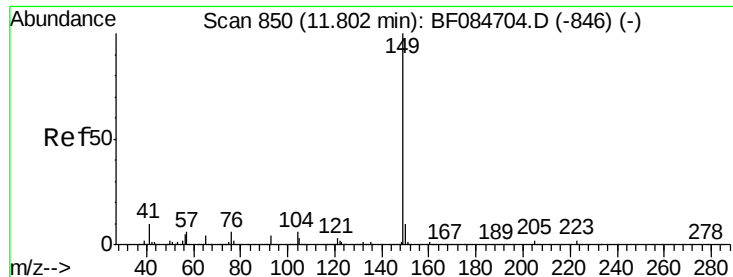


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 40.55 ng

RT: 11.72 min Scan# 843

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

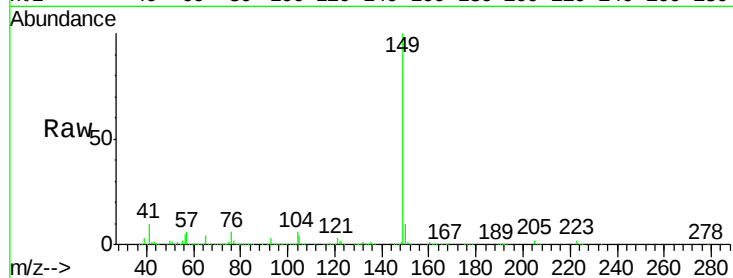
Tgt Ion:149 Resp: 1399605

Ion Ratio Lower Upper

149 100

150 9.8 7.1 10.7

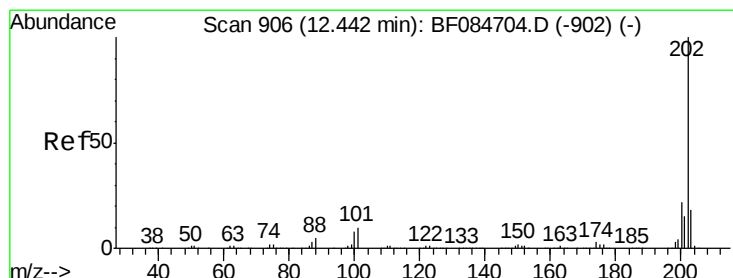
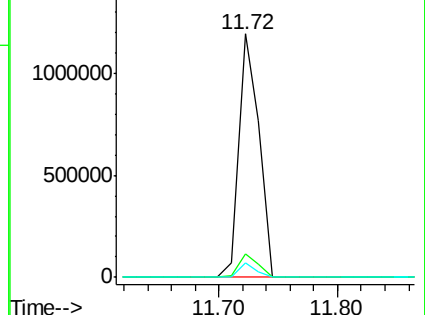
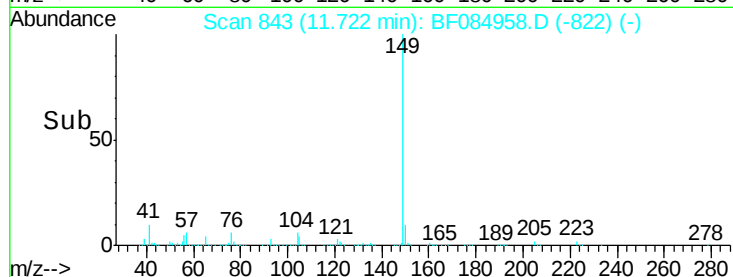
104 5.9 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 43.51 ng

RT: 12.35 min Scan# 898

Delta R.T. -0.07 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

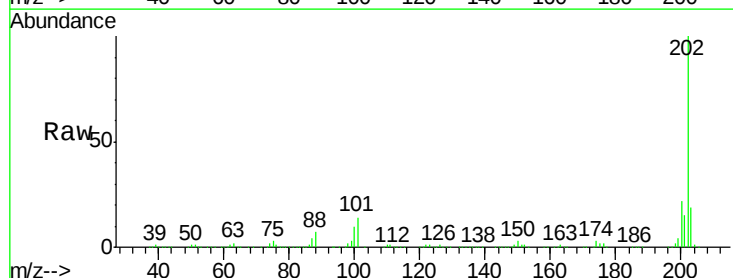
Tgt Ion:202 Resp: 1358817

Ion Ratio Lower Upper

202 100

101 13.7 0.0 32.8

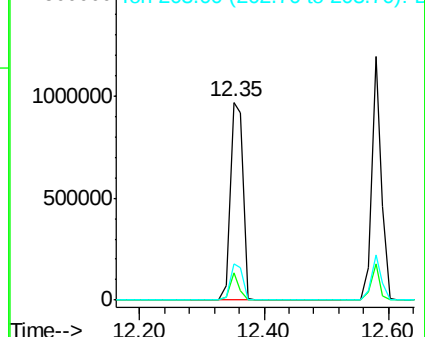
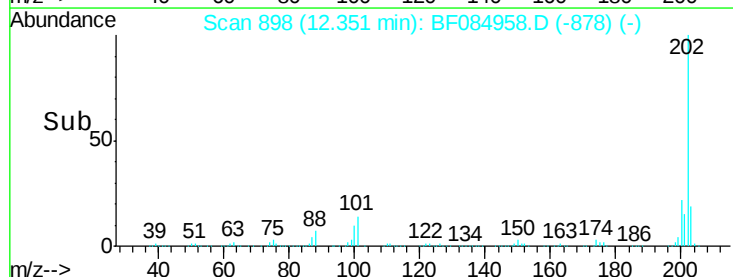
203 18.5 0.0 37.9

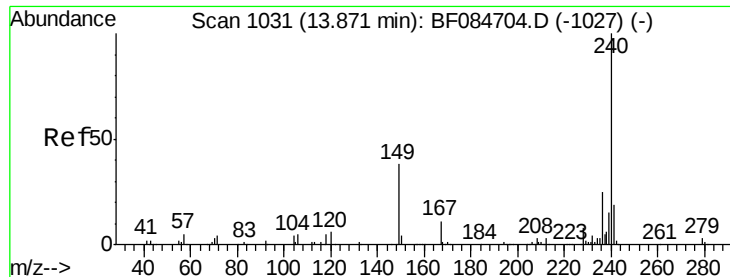


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1023

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

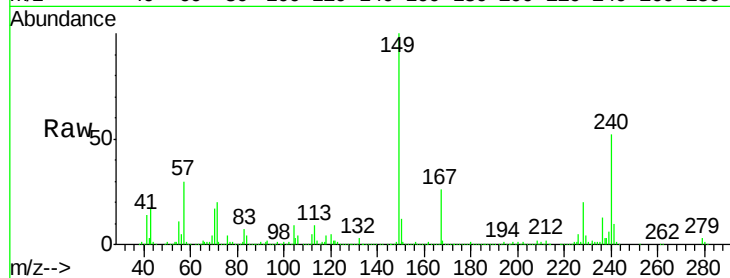
Tgt Ion:240 Resp: 408695

Ion Ratio Lower Upper

240 100

120 9.7 9.5 14.3

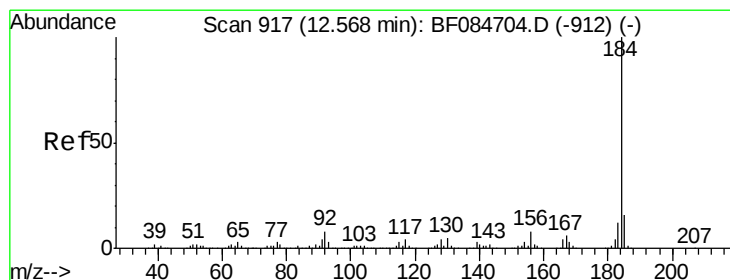
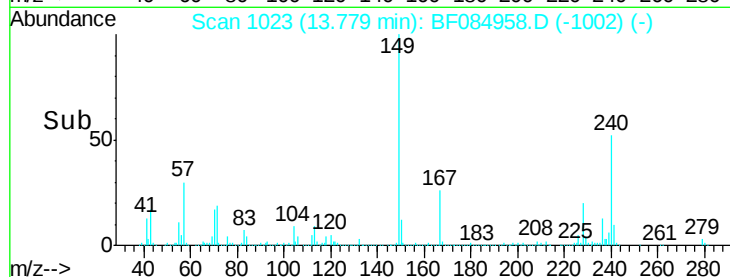
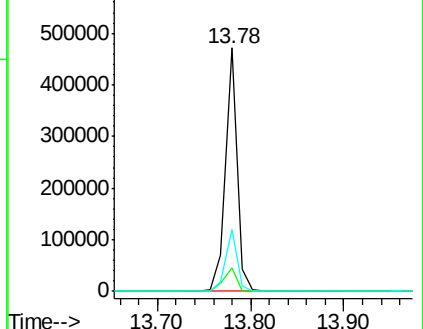
236 25.3 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 30.36 ng

RT: 12.49 min Scan# 910

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

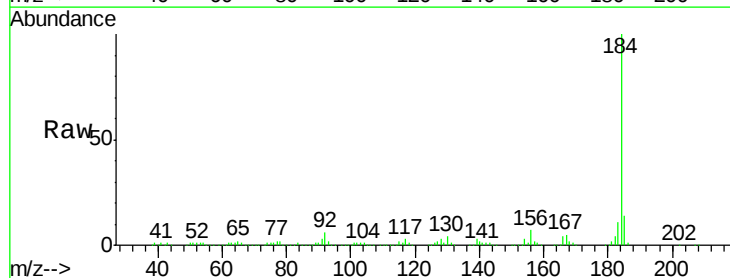
Tgt Ion:184 Resp: 438137

Ion Ratio Lower Upper

184 100

185 13.9 12.2 18.2

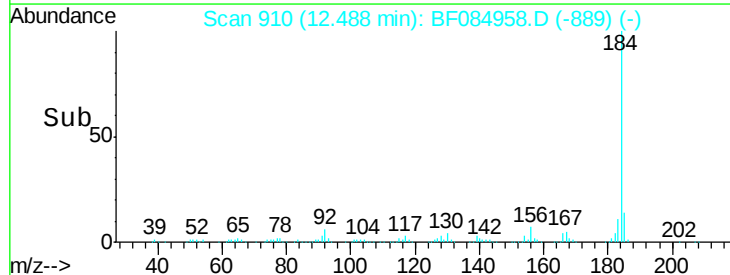
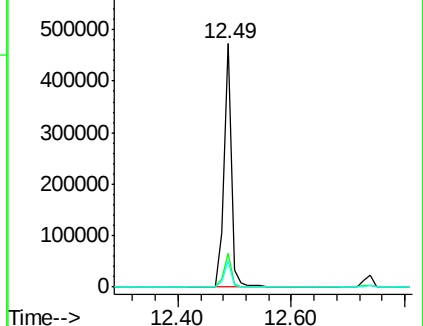
183 10.7 9.8 14.8

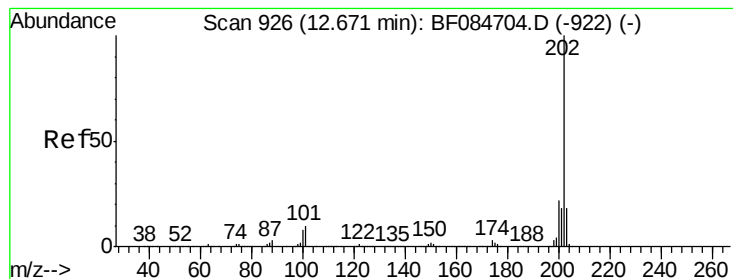


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 40.19 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

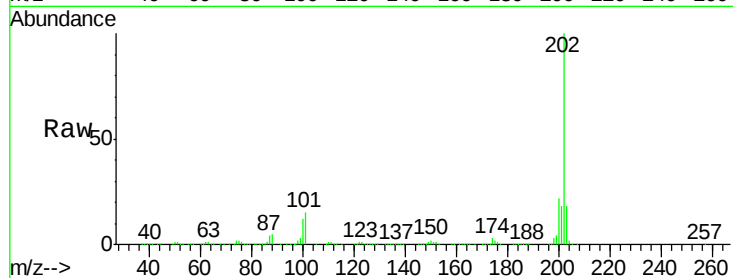
Tgt Ion:202 Resp: 1257488

Ion Ratio Lower Upper

202 100

200 21.9 17.2 25.8

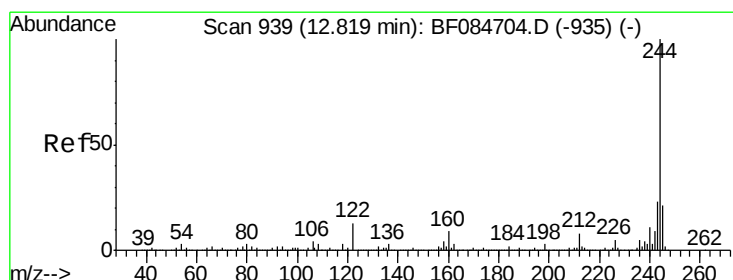
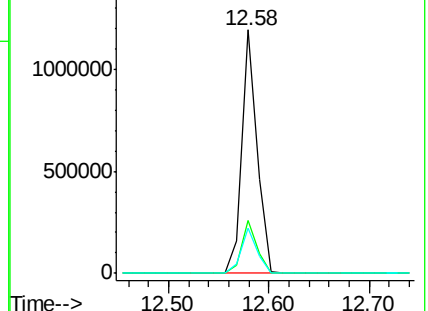
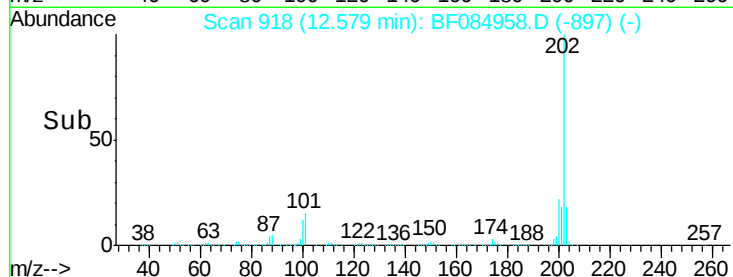
203 18.3 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 93.31 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

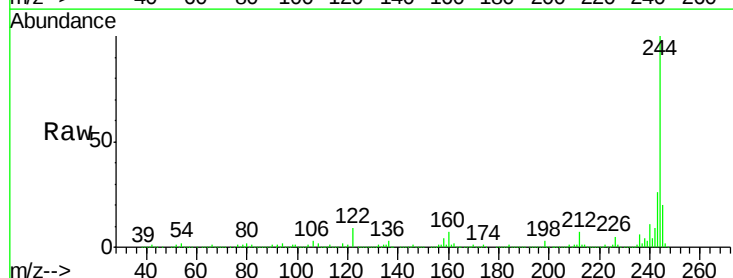
Tgt Ion:244 Resp: 1682976

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

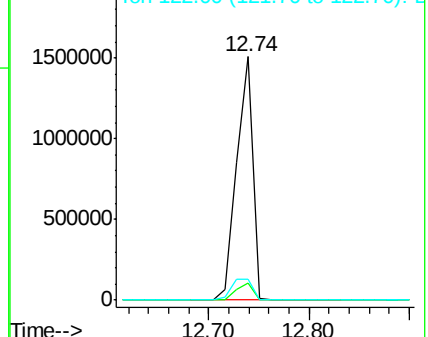
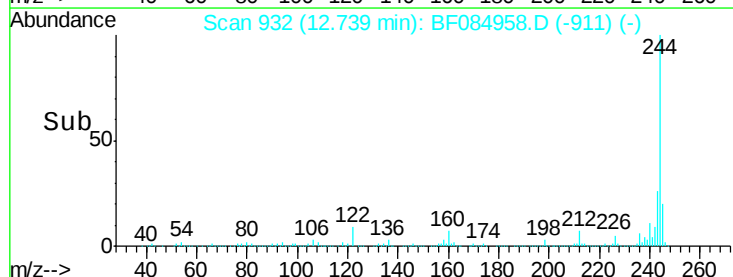
122 8.8 7.4 11.0

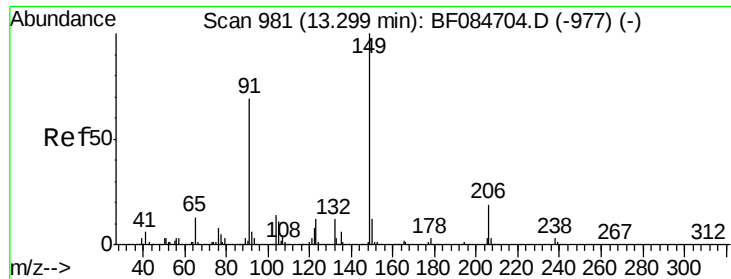


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

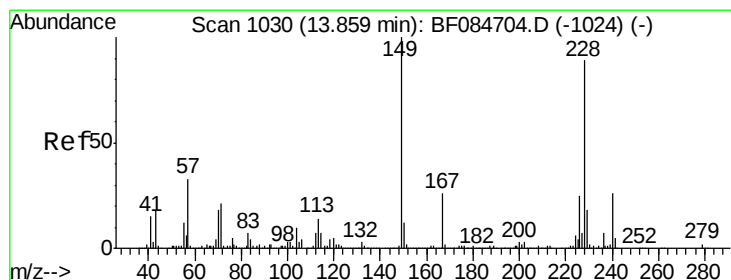
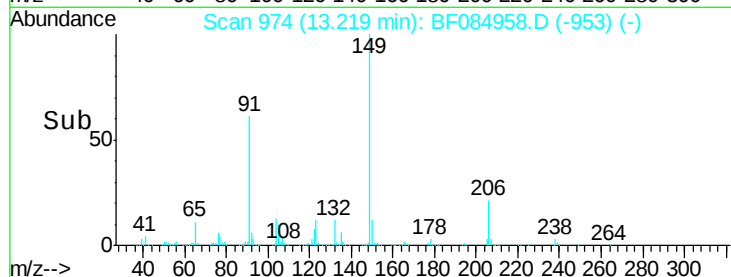
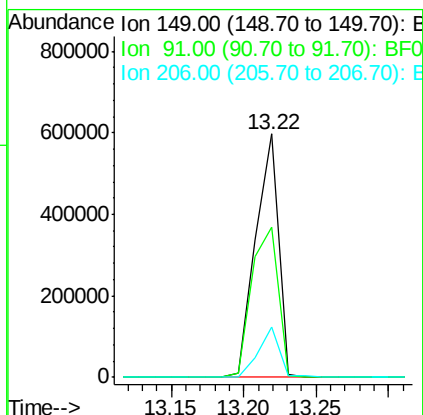
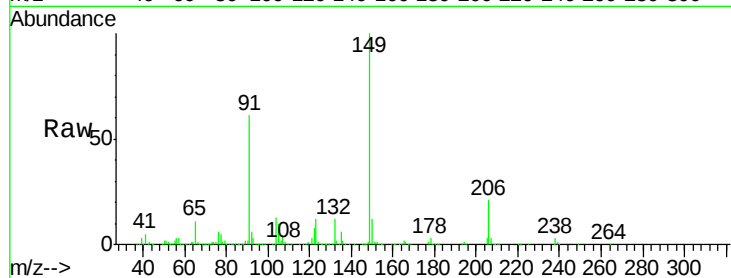




#79
Butylbenzylphthalate
Concen: 46.05 ng
RT: 13.22 min Scan# 974
Delta R.T. -0.06 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

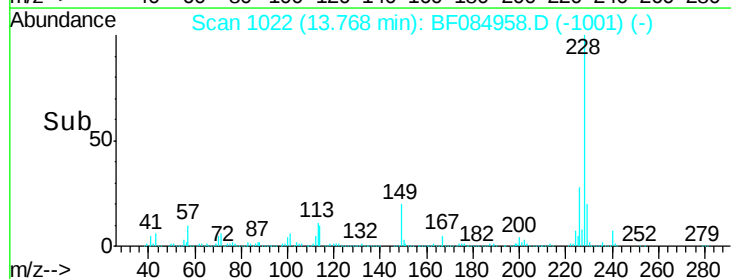
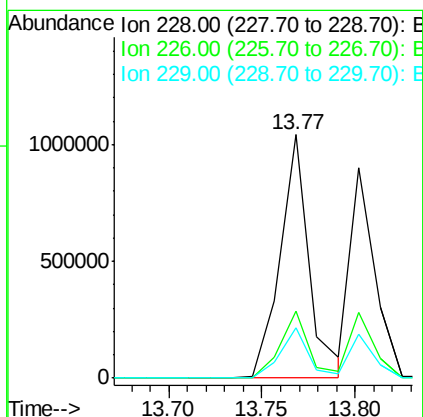
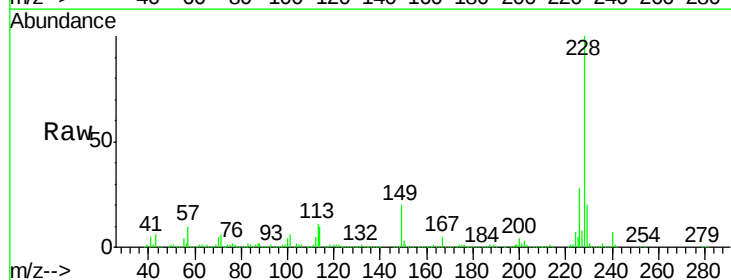
Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MSD

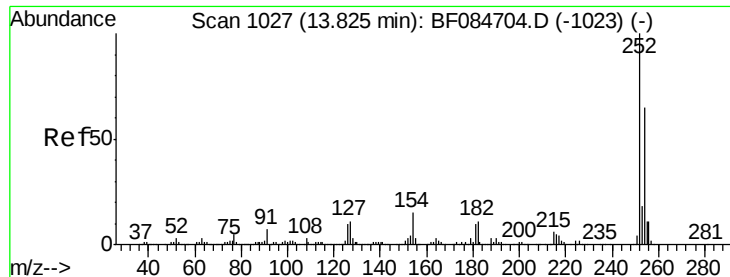
Tgt Ion:149 Resp: 653700
Ion Ratio Lower Upper
149 100
91 61.5 57.6 86.4
206 20.9 13.2 19.8#



#80
Benzo(a)anthracene
Concen: 44.58 ng
RT: 13.77 min Scan# 1022
Delta R.T. -0.06 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

Tgt Ion:228 Resp: 1130825
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.6
229 20.5 15.8 23.8

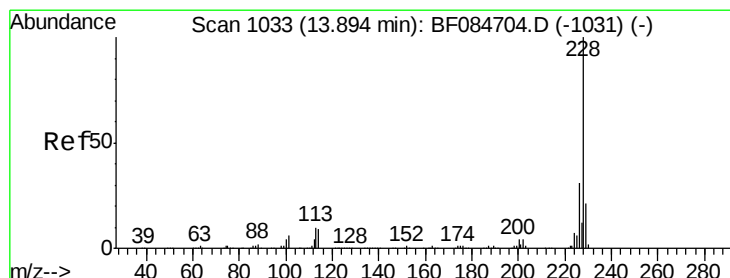
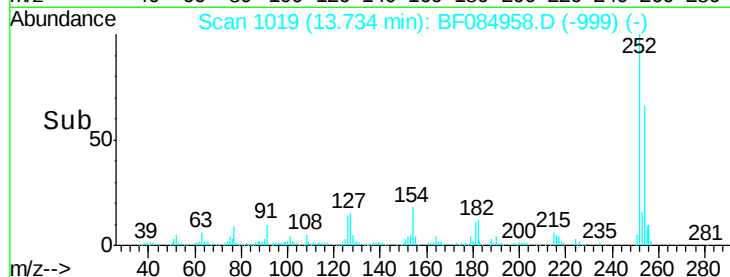
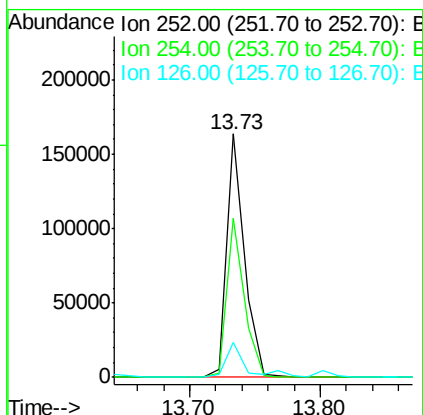
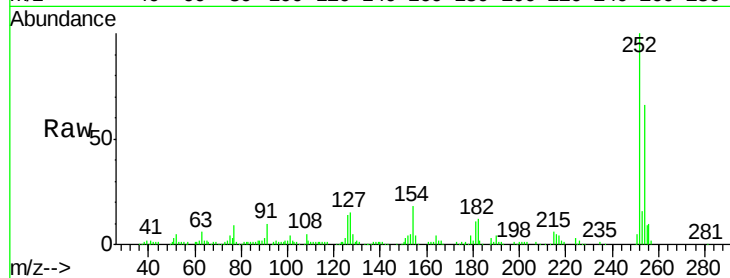




#81
 3,3'-Dichlorobenzidine
 Concen: 17.18 ng
 RT: 13.73 min Scan# 1019
 Delta R.T. -0.07 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

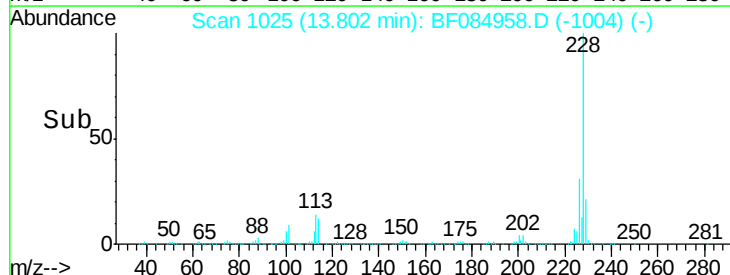
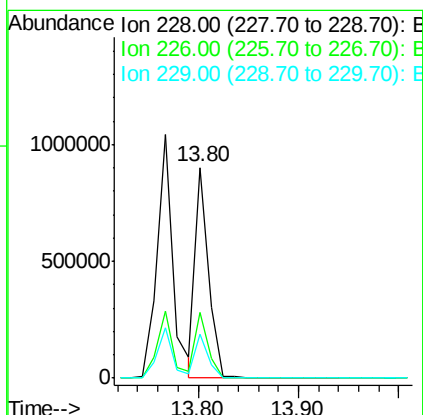
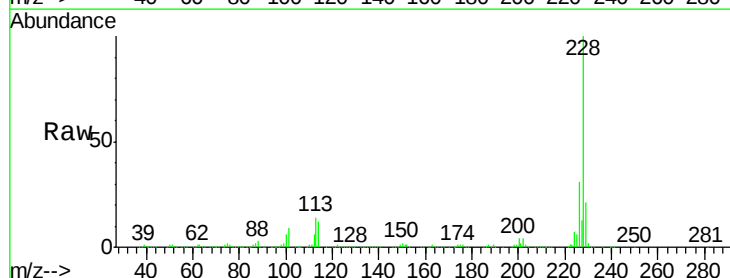
Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MSD

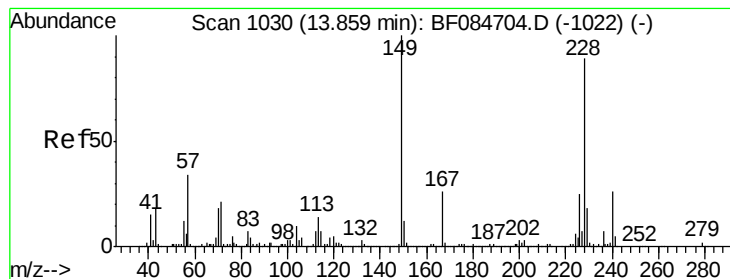
Tgt Ion:252 Resp: 154306
 Ion Ratio Lower Upper
 252 100
 254 65.5 53.5 80.3
 126 14.3 4.9 7.3#



#82
 Chrysene
 Concen: 34.19 ng
 RT: 13.80 min Scan# 1025
 Delta R.T. -0.06 min
 Lab File: BF084958.D
 Acq: 9 Feb 2016 18:06

Tgt Ion:228 Resp: 841087
 Ion Ratio Lower Upper
 228 100
 226 31.3 24.3 36.5
 229 20.7 16.1 24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.60 ng

RT: 13.78 min Scan# 1023

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

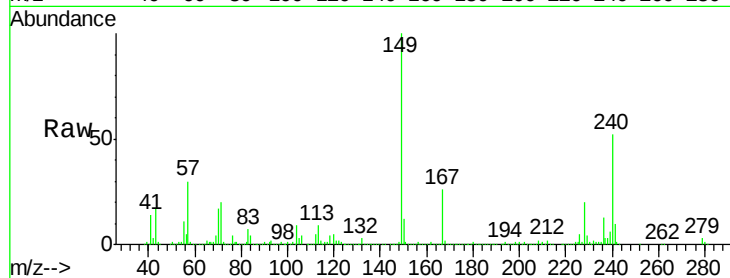
Tgt Ion:149 Resp: 805523

Ion Ratio Lower Upper

149 100

167 25.8 19.7 29.5

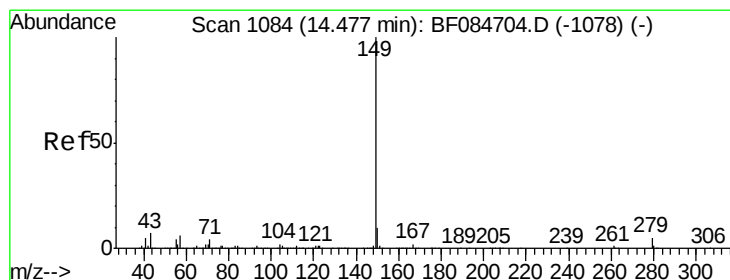
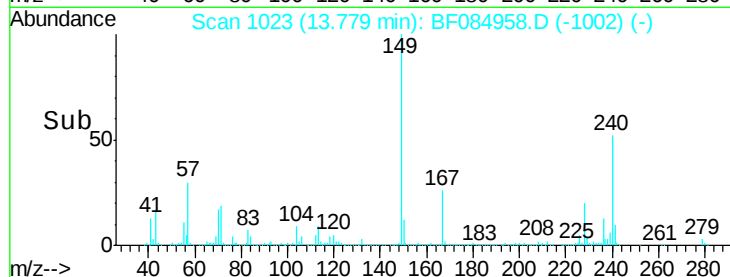
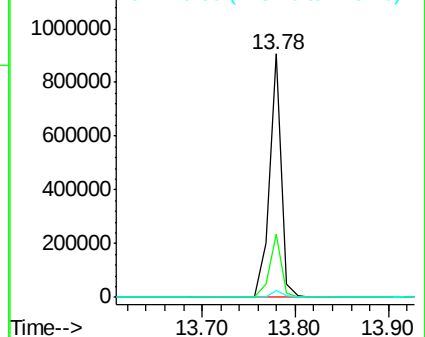
279 2.7 1.8 2.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 41.59 ng

RT: 14.39 min Scan# 1076

Delta R.T. -0.06 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

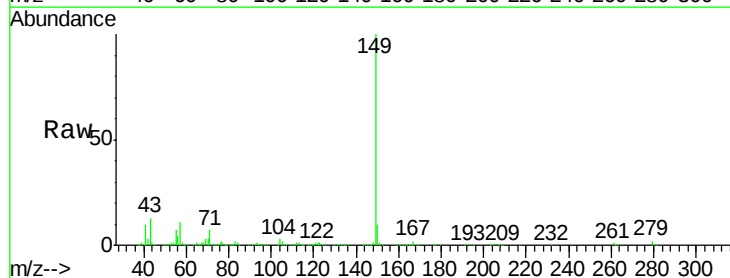
Tgt Ion:149 Resp: 1212035

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8

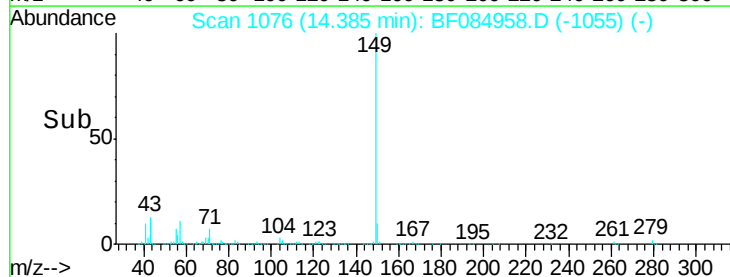
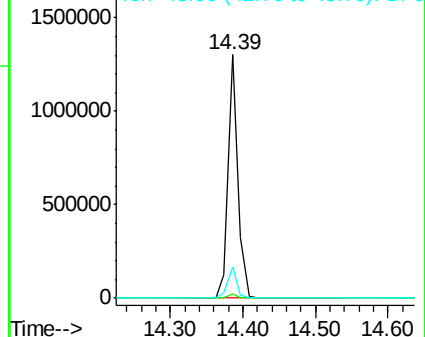
43 12.2 5.6 8.4#

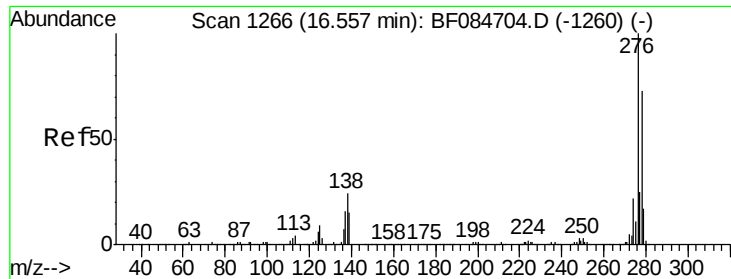


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 43.13 ng

RT: 16.40 min Scan# 1252

Delta R.T. -0.10 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

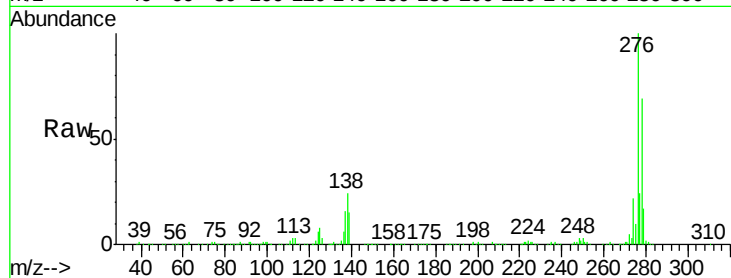
Tgt Ion:276 Resp: 835080

Ion Ratio Lower Upper

276 100

138 24.4 20.6 30.8

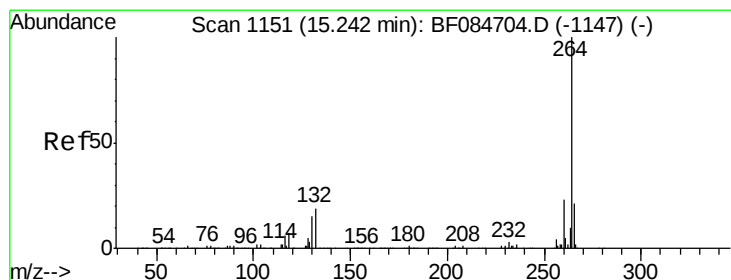
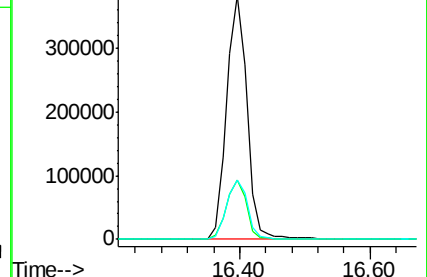
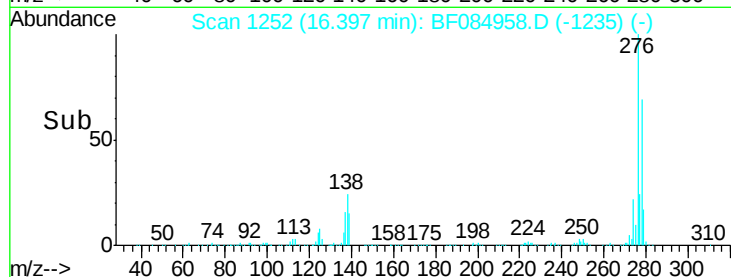
277 24.9 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.14 min Scan# 1142

Delta R.T. -0.07 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

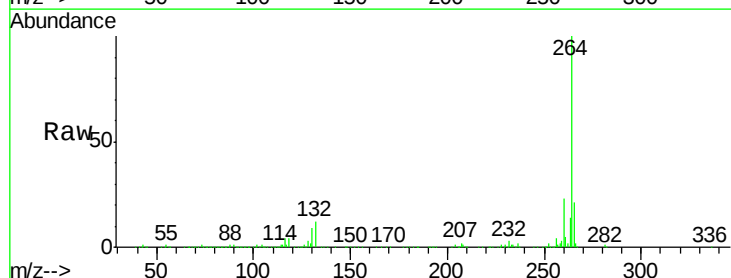
Tgt Ion:264 Resp: 321731

Ion Ratio Lower Upper

264 100

260 22.9 19.4 29.2

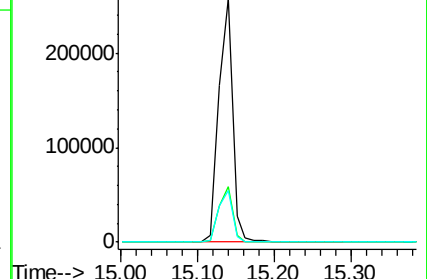
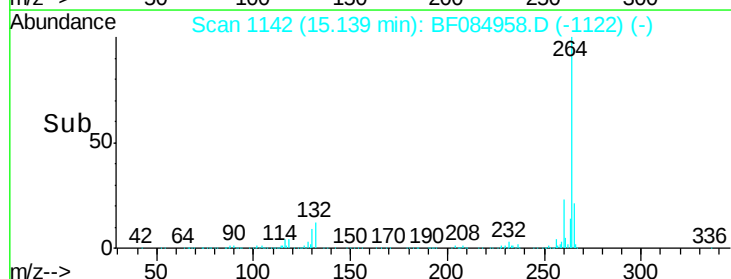
265 21.1 17.8 26.6

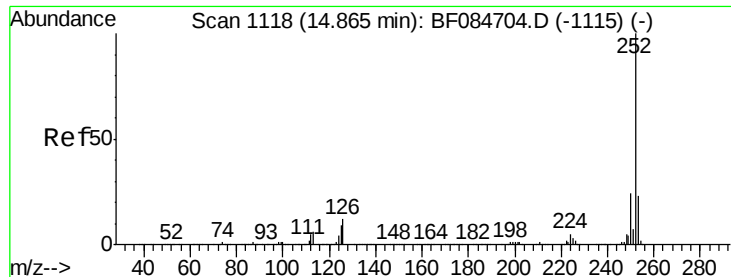


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

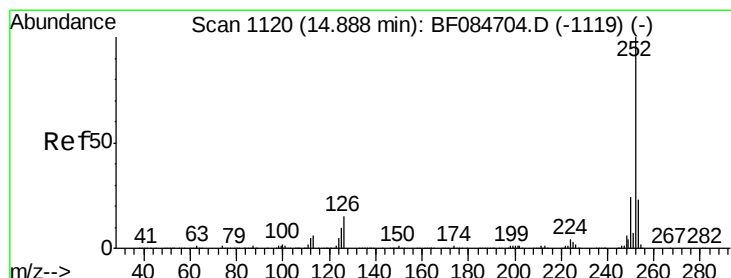
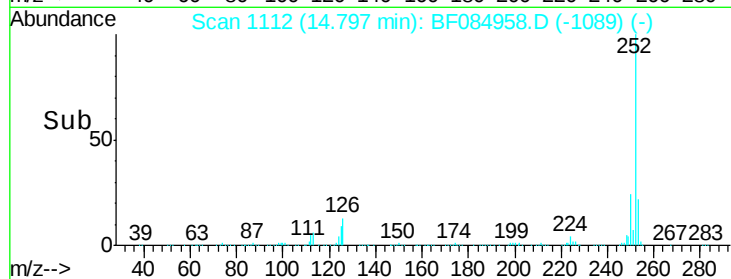
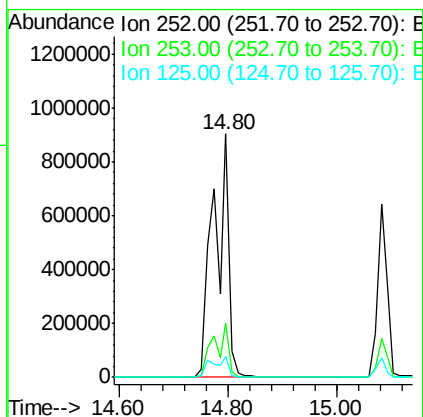
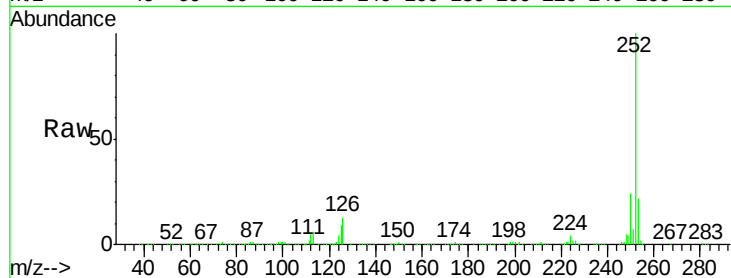




#87
Benzo(b)fluoranthene
Concen: 81.86 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

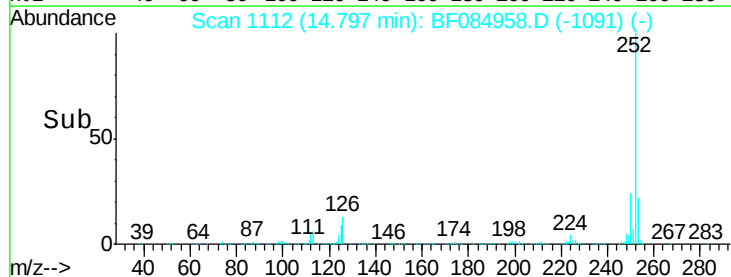
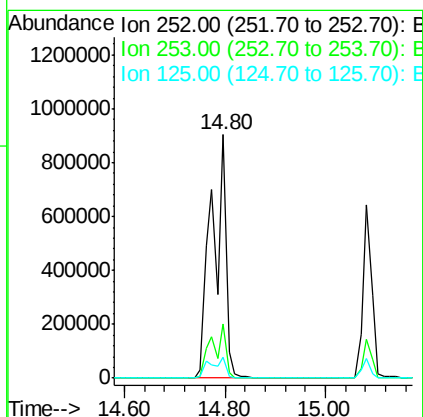
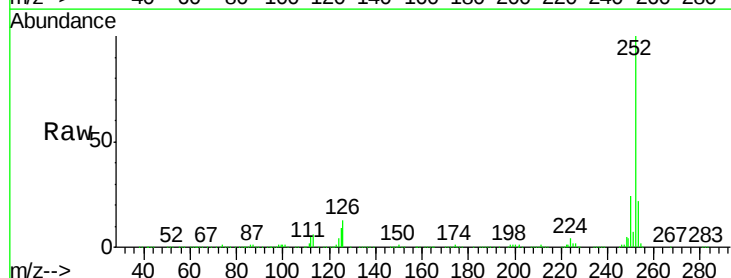
Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MSD

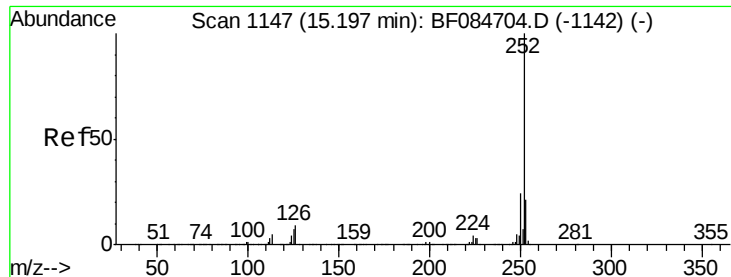
Tgt Ion:252 Resp: 1769601
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 8.7 6.5 9.7



#88
Benzo(k)fluoranthene
Concen: 99.05 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.06 min
Lab File: BF084958.D
Acq: 9 Feb 2016 18:06

Tgt Ion:252 Resp: 1770437
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 8.7 9.0 13.6#





#89

Benzo(a)pyrene

Concen: 43.26 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.07 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD

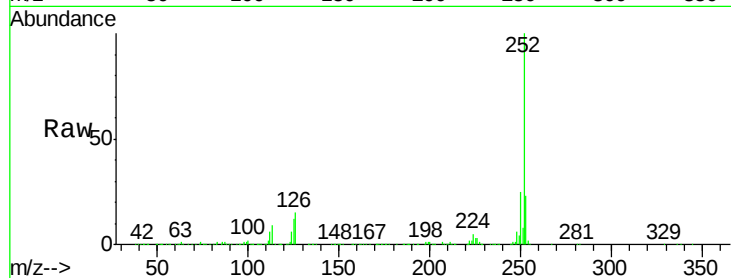
Tgt Ion:252 Resp: 796788

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

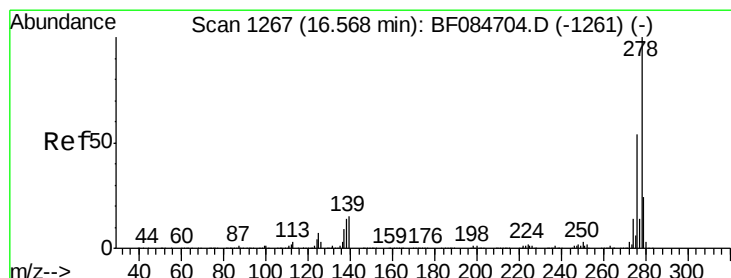
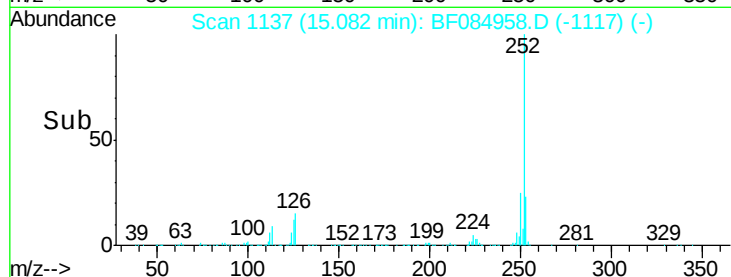
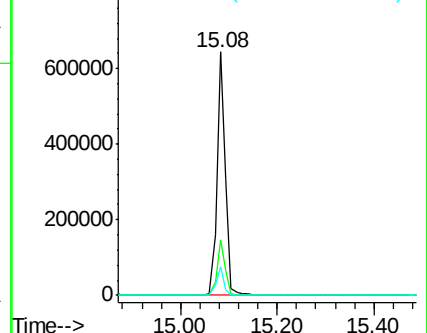
125 11.6 7.0 10.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 44.59 ng

RT: 16.41 min Scan# 1253

Delta R.T. -0.10 min

Lab File: BF084958.D

Acq: 9 Feb 2016 18:06

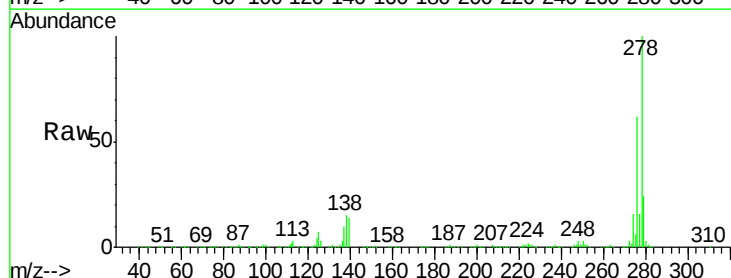
Tgt Ion:278 Resp: 691392

Ion Ratio Lower Upper

278 100

139 14.4 15.0 22.4#

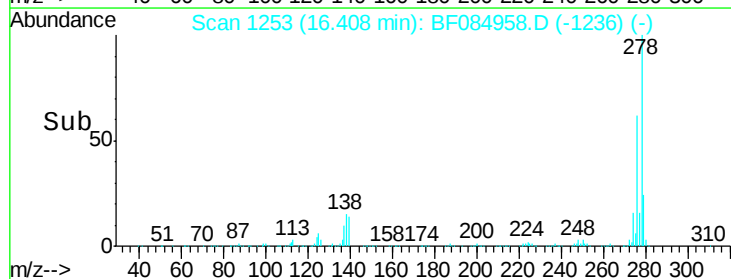
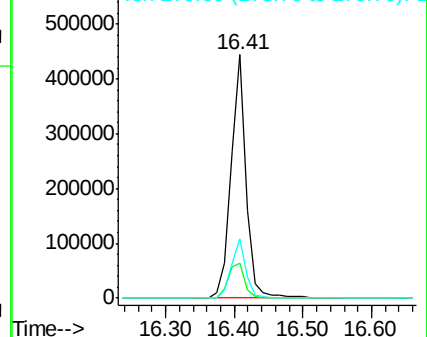
279 24.2 18.9 28.3

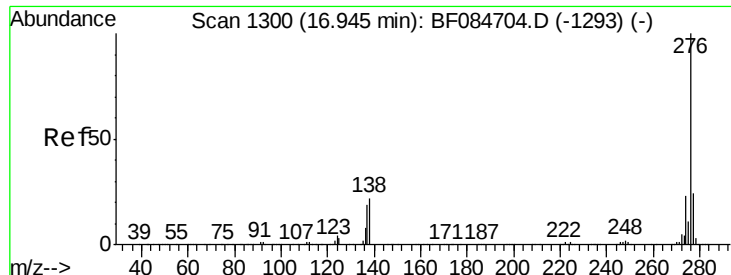


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 45.60 ng

RT: 16.77 min Scan# 1285

Delta R.T. -0.11 min

Lab File: BF084958.D

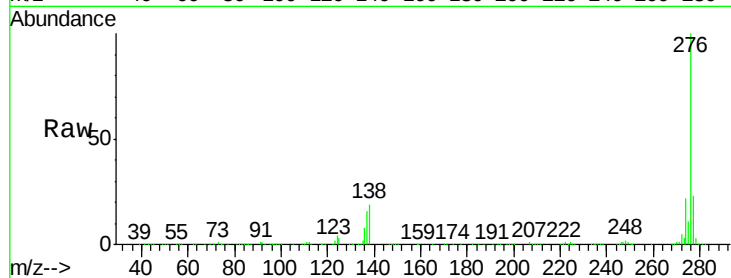
Acq: 9 Feb 2016 18:06

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MSD



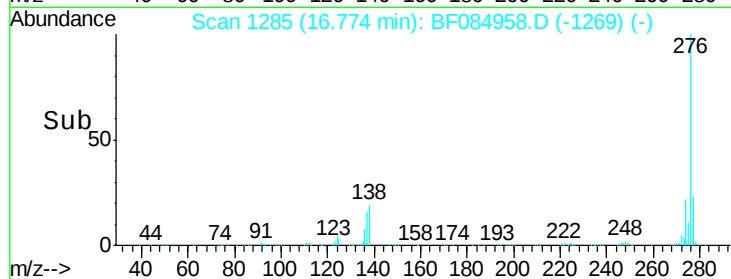
Tgt Ion: 276 Resp: 712182

Ion Ratio Lower Upper

276 100

277 23.4 18.8 28.2

138 19.1 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

