

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011916\
 Data File : BF084559.D
 Acq On : 19 Jan 2016 18:29
 Operator : SJ/UM
 Sample : H1169-07MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Quant Time: Jan 20 00:03:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	208321	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	830348	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	354415	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	609412	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	365601	20.00	ng	-0.05
86) Perylene-d12	15.36	264	414923	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1605039	124.62	ng	-0.03
7) Phenol-d6	6.45	99	2135952	132.05	ng	-0.02
23) Nitrobenzene-d5	7.37	82	1303036	87.34	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	459284	128.36	ng	-0.03
44) 2-Fluorobiphenyl	9.16	172	1738012	86.37	ng	-0.03
78) Terphenyl-d14	12.90	244	1274672	77.83	ng	-0.05

Target Compounds						Qvalue
2) 1,4-Dioxane	2.41	88	226370	37.10	ng	# 77
3) Pyridine	3.10	79	536568	31.54	ng	# 64
4) n-Nitrosodimethylamine	3.06	42	311097	35.63	ng	# 75
6) Aniline	6.46	93	499339	21.10	ng	# 12
8) 2-Chlorophenol	6.58	128	642357	43.96	ng	# 81
9) Benzaldehyde	6.34	77	34433	3.27	ng	# 72
10) Phenol	6.46	94	844587	45.92	ng	96
11) bis(2-Chloroethyl)ether	6.53	93	649596	45.60	ng	# 82
12) 1,3-Dichlorobenzene	6.74	146	675698	44.83	ng	98
13) 1,4-Dichlorobenzene	6.81	146	648750	42.92	ng	97
14) 1,2-Dichlorobenzene	6.97	146	654810	45.23	ng	100
15) Benzyl Alcohol	6.94	79	522024	38.36	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.08	45	1010738	38.96	ng	88
17) 2-Methylphenol	7.07	107	562512	45.93	ng	93
18) Hexachloroethane	7.31	117	339176	56.11	ng	94
19) n-Nitroso-di-n-propylamine	7.22	70	447904	40.91	ng	# 74
20) 3+4-Methylphenols	7.22	107	620545	43.11	ng	# 67
22) Acetophenone	7.21	105	979461	49.05	ng	96
24) Nitrobenzene	7.39	77	726743	48.03	ng	# 86
25) Isophorone	7.63	82	1320050	46.26	ng	97
26) 2-Nitrophenol	7.70	139	331272	48.10	ng	# 81
27) 2,4-Dimethylphenol	7.74	122	567589	40.72	ng	97
28) bis(2-Chloroethoxy)methane	7.84	93	766473	43.98	ng	97
29) 2,4-Dichlorophenol	7.95	162	559205	48.16	ng	98
30) 1,2,4-Trichlorobenzene	8.03	180	568510	47.42	ng	# 93
31) Naphthalene	8.11	128	2025559	53.77	ng	98
32) Benzoic acid	7.84	122	63602	12.42	ng	95
33) 4-Chloroaniline	8.16	127	375785	21.76	ng	98
34) Hexachlorobutadiene	8.22	225	302524	43.90	ng	97
35) Caprolactam	8.53	113	141543	36.16	ng	# 19
36) 4-Chloro-3-methylphenol	8.66	107	610381	46.93	ng	90
37) 2-Methylnaphthalene	8.80	142	1204789	44.55	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	513028	50.35	ng	98
40) Hexachlorocyclopentadiene	8.96	237	389461	63.32	ng	99

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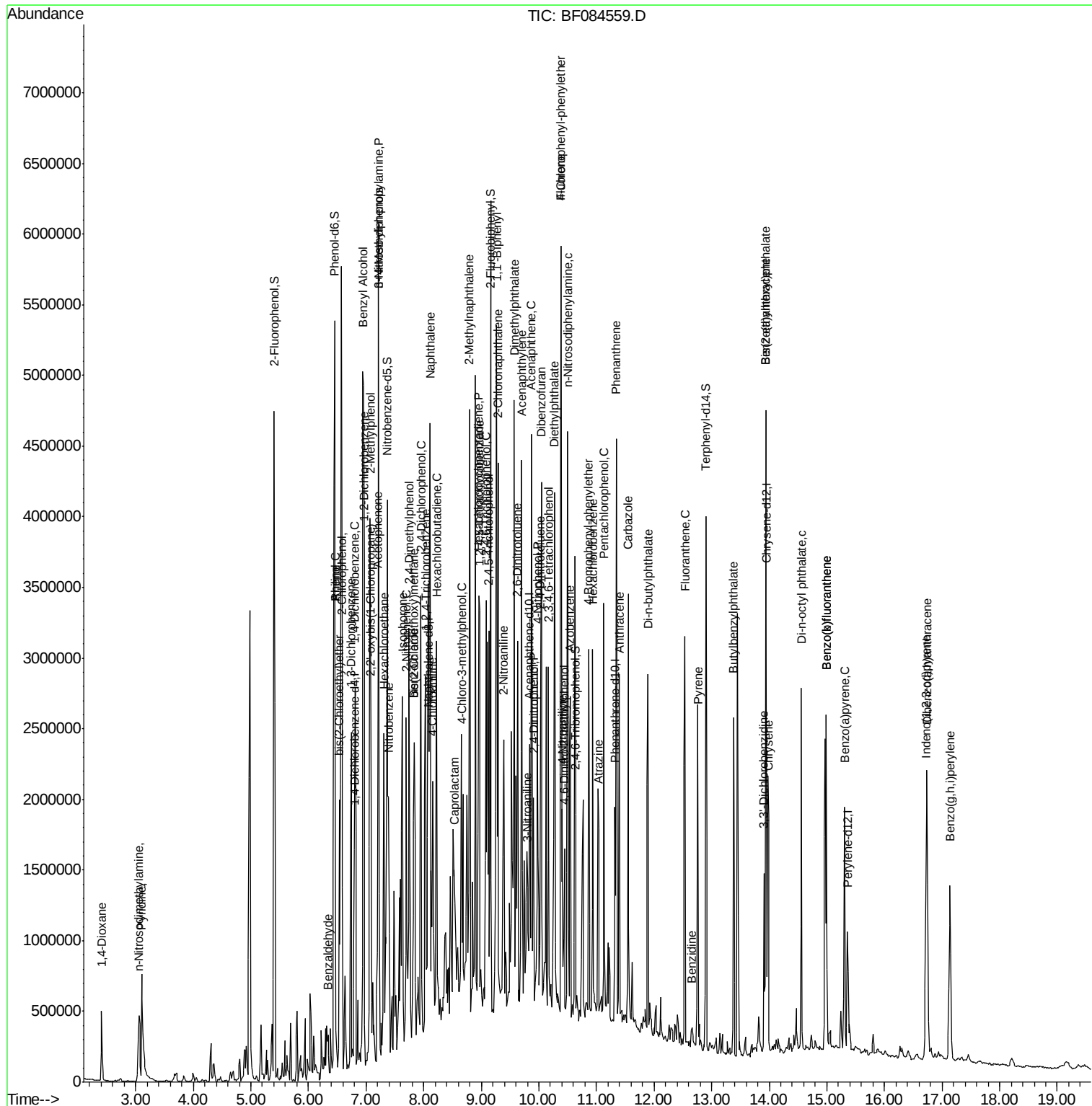
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	365674	47.97	ng	95
43) 2,4,5-Trichlorophenol	9.13	196	341615	46.75	ng #	84
45) 1,1'-Biphenyl	9.26	154	1415929	50.27	ng	99
46) 2-Chloronaphthalene	9.29	162	1044616	47.21	ng	94
47) 2-Nitroaniline	9.39	65	398343	54.55	ng #	76
48) Acenaphthylene	9.70	152	1479930	45.27	ng	97
49) Dimethylphthalate	9.57	163	1606401	63.40	ng #	90
50) 2,6-Dinitrotoluene	9.63	165	276688	49.79	ng #	62
51) Acenaphthene	9.87	154	1035900	47.24	ng	98
52) 3-Nitroaniline	9.80	138	246361	35.78	ng #	67
53) 2,4-Dinitrophenol	9.90	184	178435	75.58	ng	92
54) Dibenzofuran	10.04	168	1238037	43.50	ng #	88
55) 4-Nitrophenol	9.97	139	373342	74.69	ng #	77
56) 2,4-Dinitrotoluene	10.03	165	326600	46.44	ng #	88
57) Fluorene	10.38	166	959408	43.62	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.17	232	298503	47.84	ng	90
59) Diethylphthalate	10.27	149	1233710	49.38	ng	98
60) 4-Chlorophenyl-phenylether	10.38	204	493043	54.97	ng #	87
61) 4-Nitroaniline	10.41	138	251509	40.97	ng	93
62) Azobenzene	10.54	77	1243081	45.37	ng	93
64) 4,6-Dinitro-2-methylphenol	10.44	198	176018	47.66	ng	97
65) n-Nitrosodiphenylamine	10.50	169	923659	47.40	ng	97
66) 4-Bromophenyl-phenylether	10.86	248	301228	45.92	ng #	70
67) Hexachlorobenzene	10.93	284	325384	44.07	ng #	93
68) Atrazine	11.04	200	298176	46.76	ng	91
69) Pentachlorophenol	11.13	266	302828	79.11	ng	98
70) Phenanthrene	11.34	178	1457436	45.72	ng	97
71) Anthracene	11.40	178	1520036	48.64	ng	100
72) Carbazole	11.55	167	1176792	38.52	ng	99
73) Di-n-butylphthalate	11.89	149	1677969	54.44	ng	98
74) Fluoranthene	12.53	202	1524198	45.77	ng	94
76) Benzidine	12.66	184	73122	5.58	ng	98
77) Pyrene	12.76	202	1466675	51.12	ng	99
79) Butylbenzylphthalate	13.38	149	523548	42.17	ng	87
80) Benzo(a)anthracene	13.94	228	1058559	49.31	ng	98
81) 3,3'-Dichlorobenzidine	13.91	252	283841	37.89	ng #	96
82) Chrysene	13.99	228	1009759	48.95	ng	99
83) Bis(2-ethylhexyl)phthalate	13.94	149	714940	45.58	ng	100
84) Di-n-octyl phthalate	14.56	149	1252817	47.31	ng #	88
85) Indeno(1,2,3-cd)pyrene	16.73	276	1257609	76.91	ng	100
87) Benzo(b)fluoranthene	14.99	252	2156667	79.46	ng #	95
88) Benzo(k)fluoranthene	14.99	252	2156667	97.16	ng	99
89) Benzo(a)pyrene	15.31	252	1092078	47.44	ng	98
90) Dibenzo(a,h)anthracene	16.74	278	998632	50.41	ng	99
91) Benzo(g,h,i)perylene	17.14	276	1055869	51.47	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

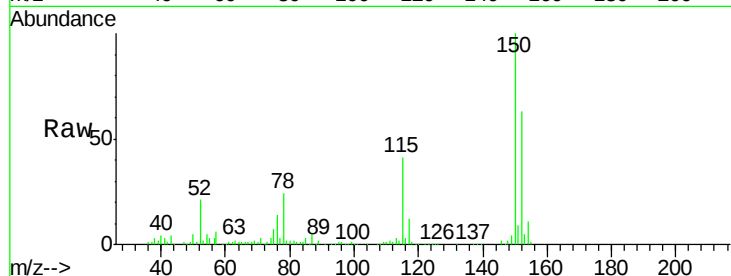
Tgt Ion:152 Resp: 208321

Ion Ratio Lower Upper

152 100

150 158.6 123.0 184.4

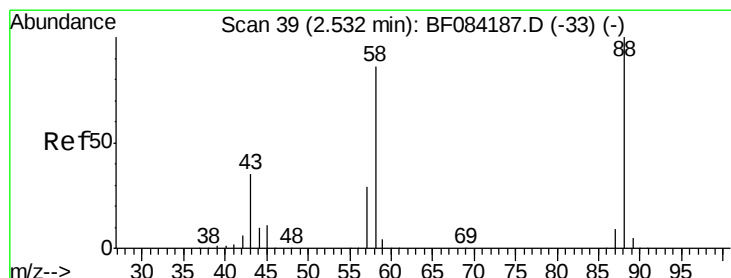
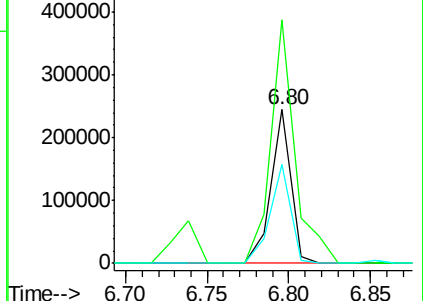
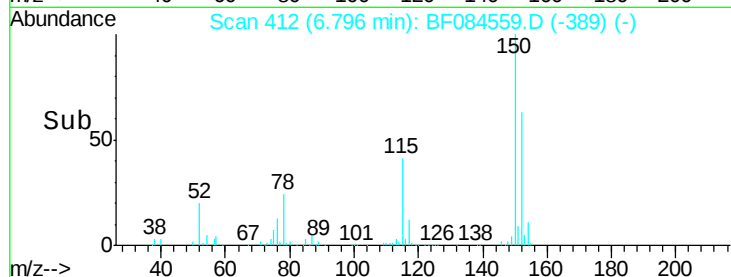
115 64.5 51.4 77.2



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: 37.10 ng

RT: 2.41 min Scan# 28

Delta R.T. 0.01 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

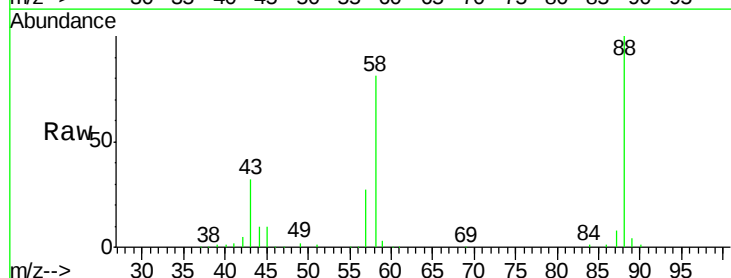
Tgt Ion: 88 Resp: 226370

Ion Ratio Lower Upper

88 100

58 83.4 51.2 76.8#

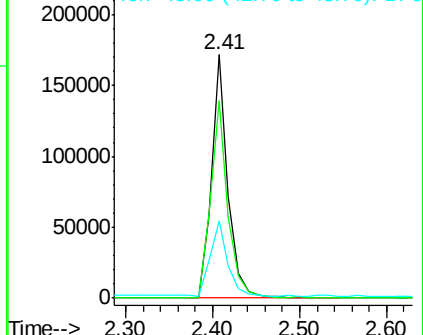
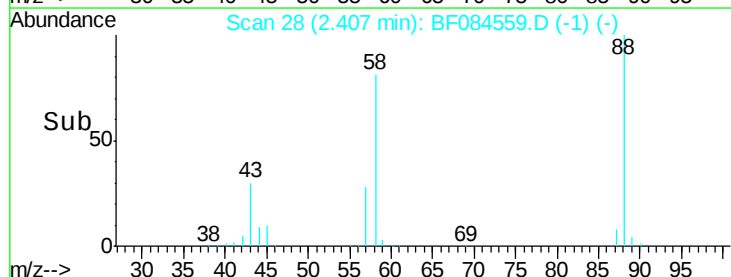
43 32.7 19.5 29.3#

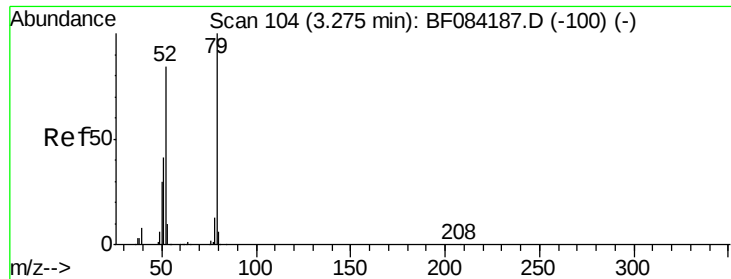


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 31.54 ng

RT: 3.10 min Scan# 89

Delta R.T. -0.02 min

Lab File: BF084559.D

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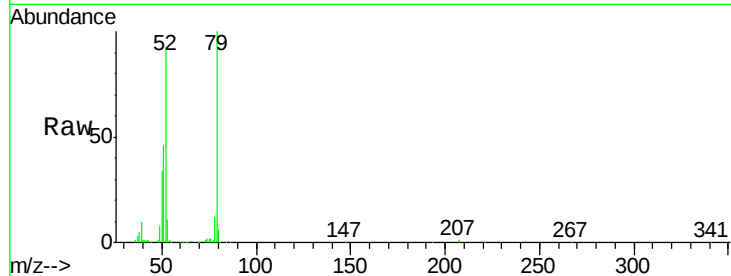
Tgt Ion: 79 Resp: 536568

Ion Ratio Lower Upper

79 100

52 92.7 49.0 73.4#

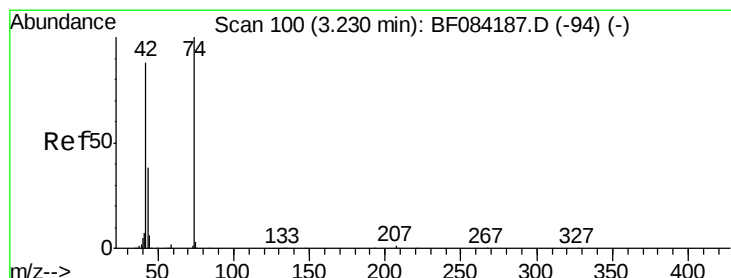
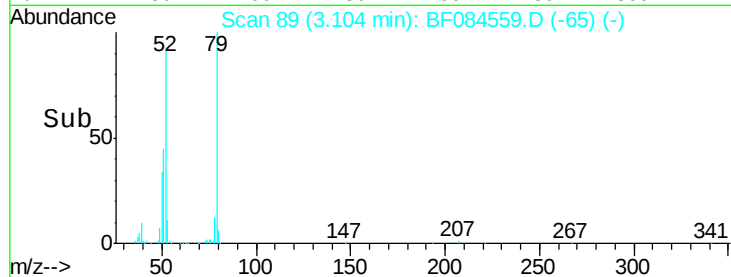
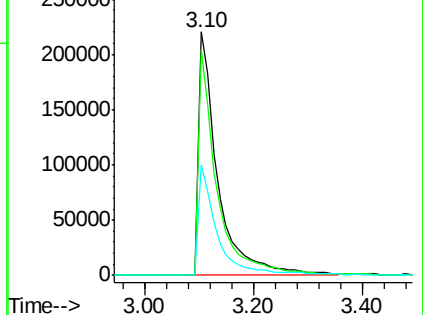
51 45.5 25.2 37.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 35.63 ng

RT: 3.06 min Scan# 85

Delta R.T. -0.01 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

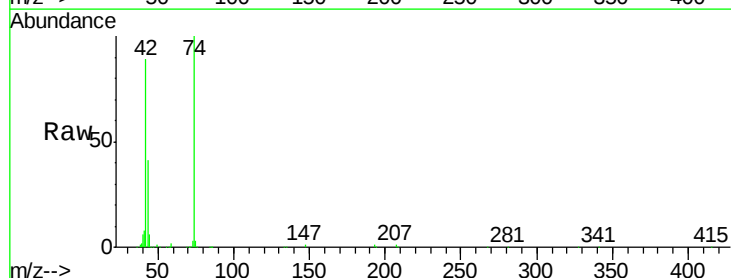
Tgt Ion: 42 Resp: 311097

Ion Ratio Lower Upper

42 100

74 112.0 115.7 173.5#

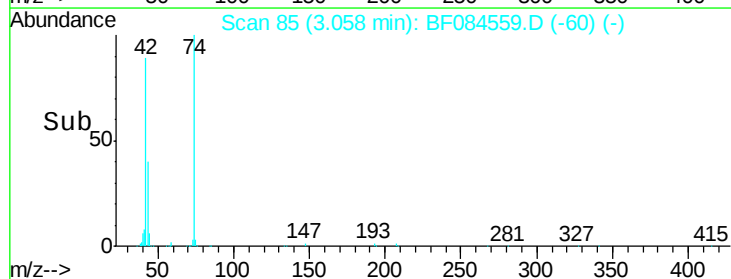
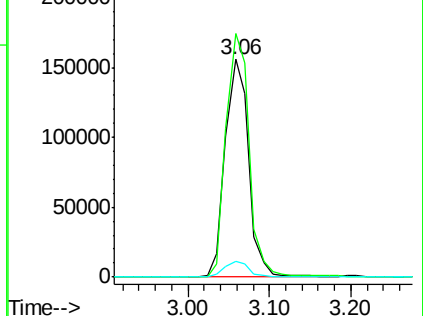
44 7.2 5.1 7.7

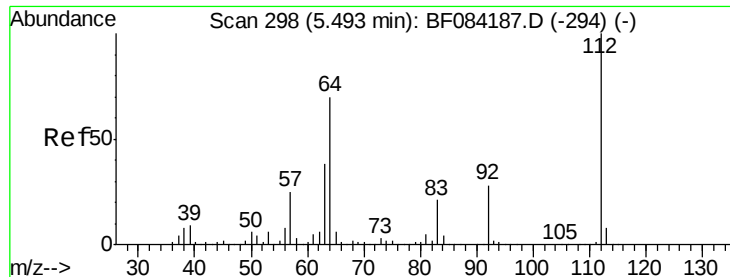


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 124.62 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.03 min

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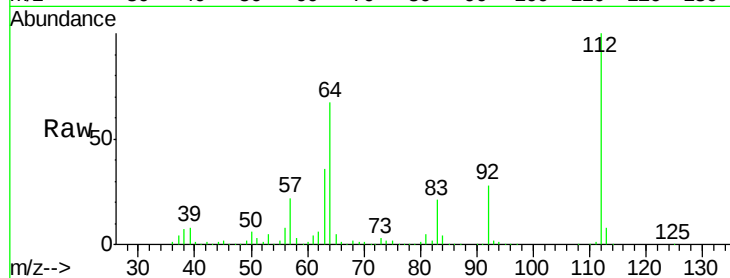
Tgt Ion:112 Resp: 1605039

Ion Ratio Lower Upper

112 100

64 67.0 36.6 55.0#

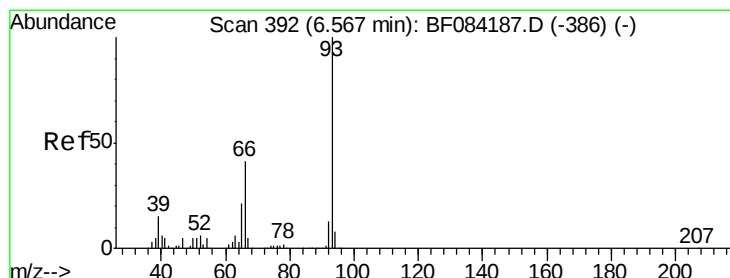
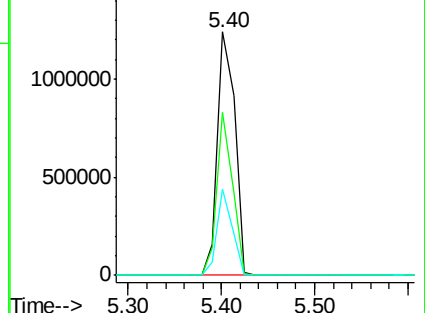
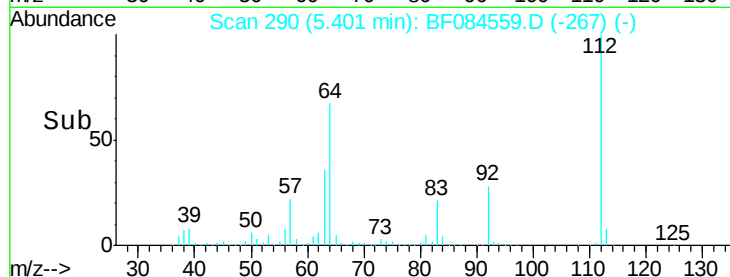
63 35.5 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 21.10 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

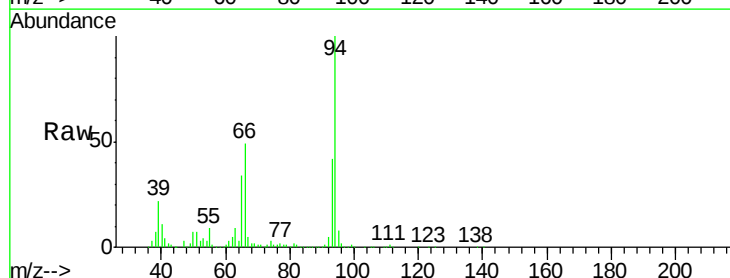
Tgt Ion: 93 Resp: 499339

Ion Ratio Lower Upper

93 100

66 117.3 44.9 67.3#

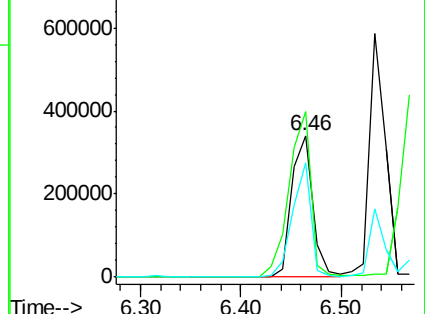
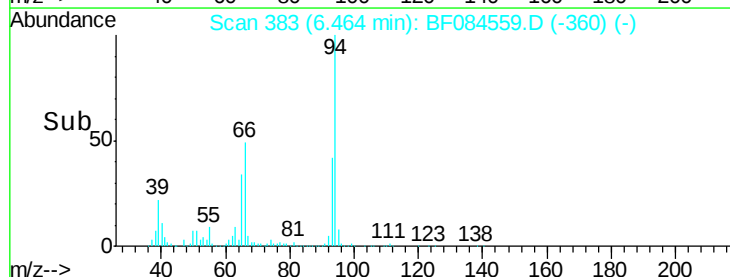
65 80.7 23.7 35.5#

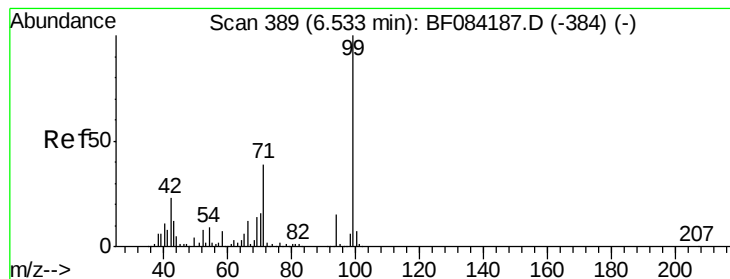


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 132.05 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

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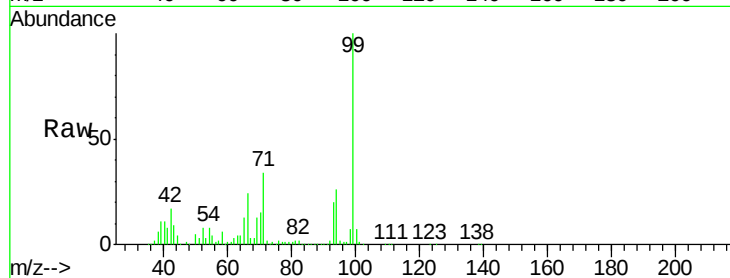
Tgt Ion: 99 Resp: 2135952

Ion Ratio Lower Upper

99 100

42 17.4 12.8 19.2

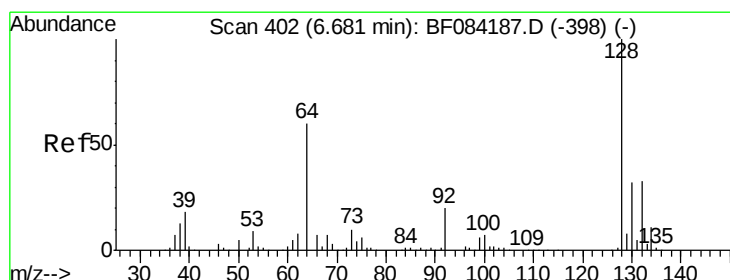
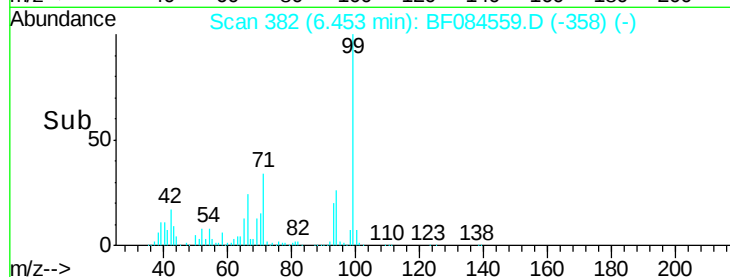
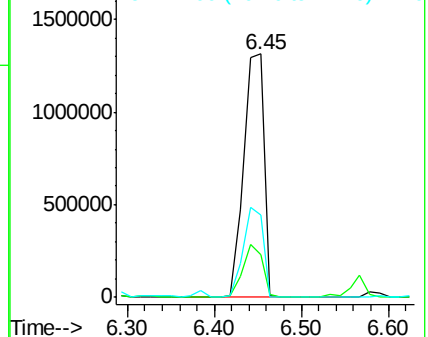
71 33.9 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 43.96 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

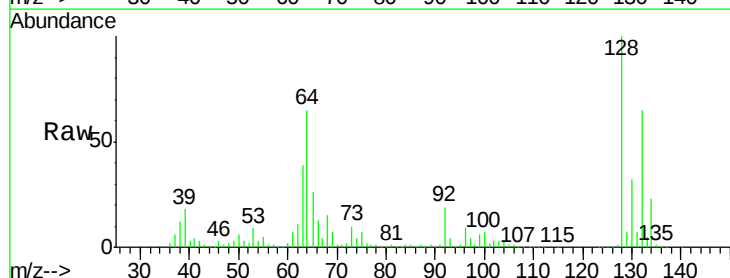
Tgt Ion: 128 Resp: 642357

Ion Ratio Lower Upper

128 100

130 31.8 11.6 51.6

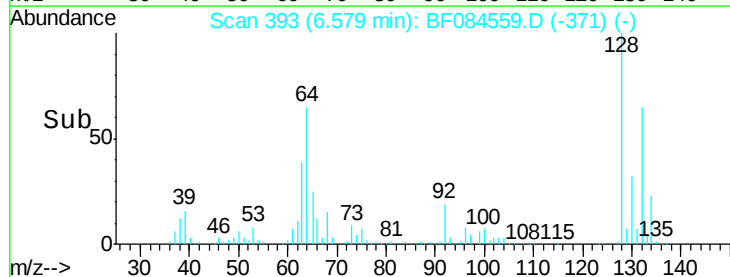
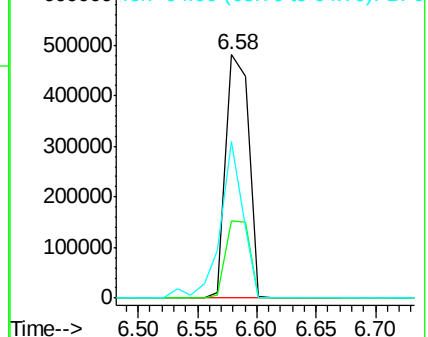
64 64.5 23.8 63.8#

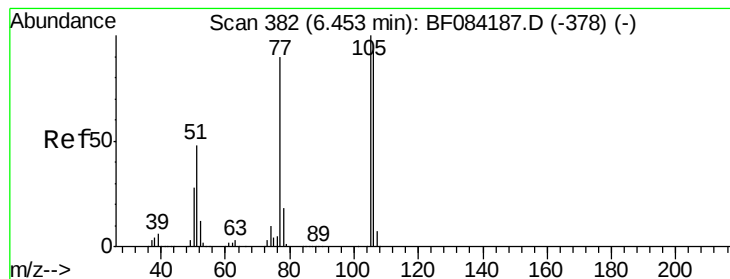


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 3.27 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.05 min

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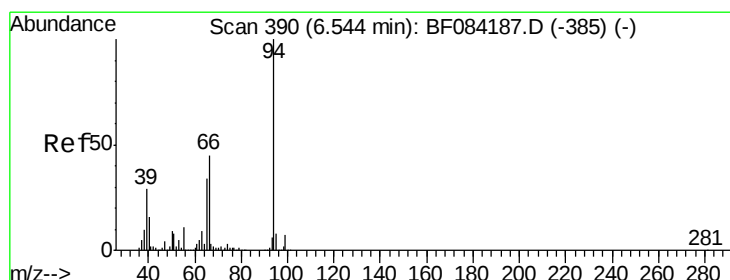
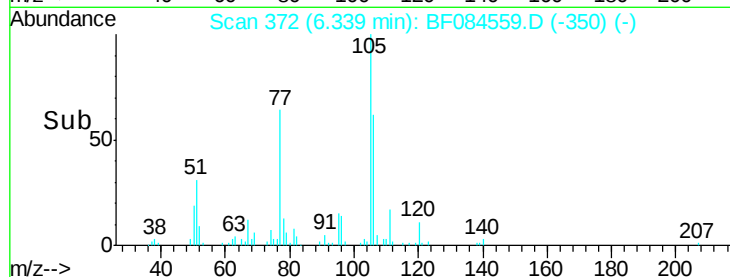
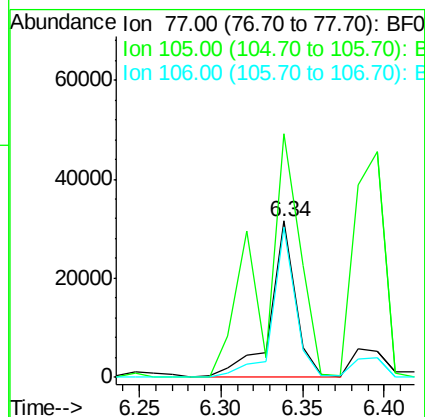
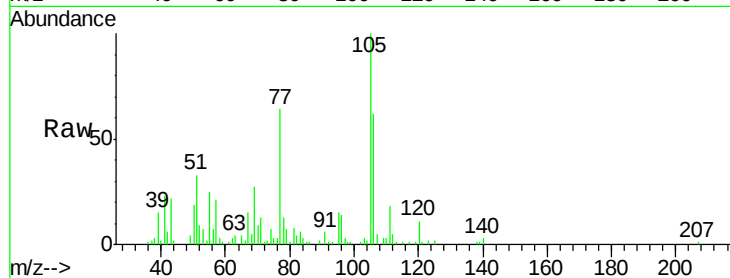
Tgt Ion: 77 Resp: 34433

Ion Ratio Lower Upper

77 100

105 155.7 83.0 123.0#

106 96.5 74.6 114.6



#10

Phenol

Concen: 45.92 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

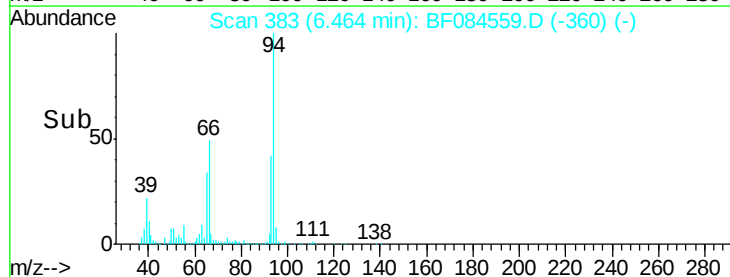
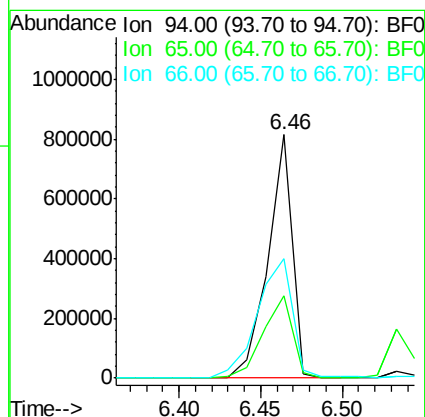
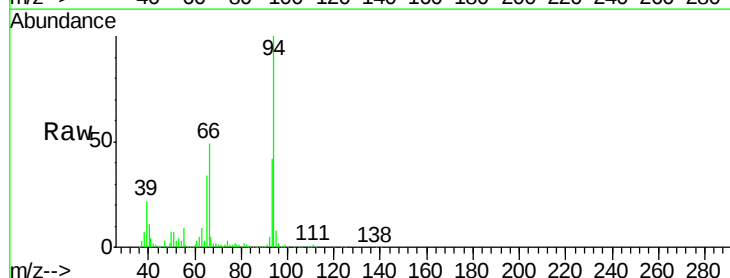
Tgt Ion: 94 Resp: 844587

Ion Ratio Lower Upper

94 100

65 33.7 12.9 52.9

66 49.0 32.7 72.7





#11

bis(2-Chloroethyl)ether

Concen: 45.60 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

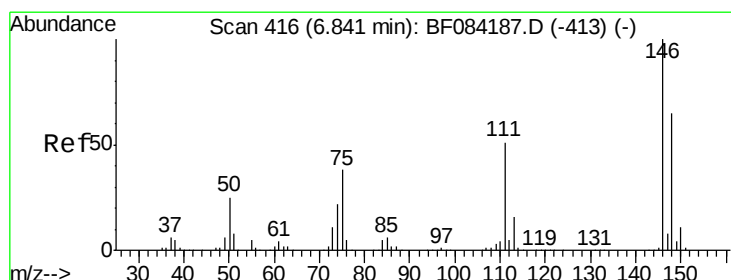
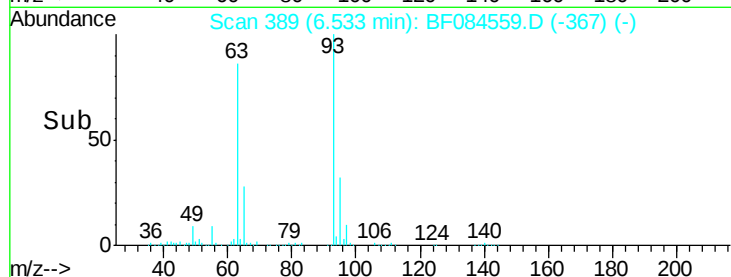
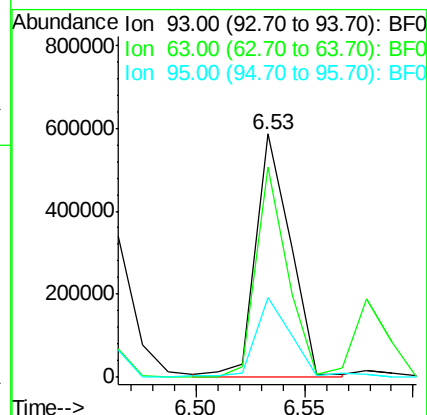
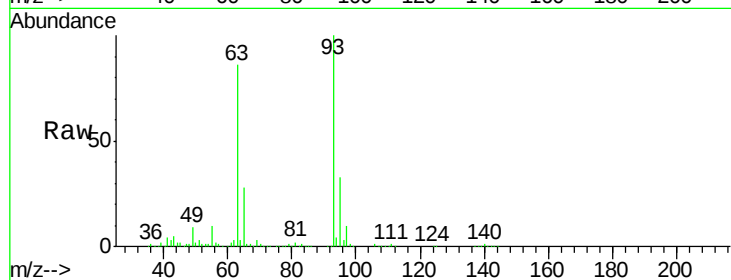
Tgt Ion: 93 Resp: 649596

Ion Ratio Lower Upper

93 100

63 86.2 45.9 85.9#

95 33.0 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 44.83 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

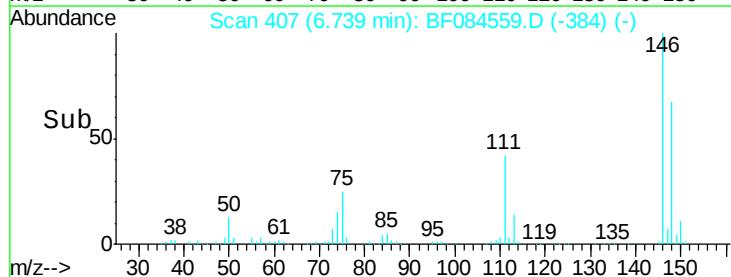
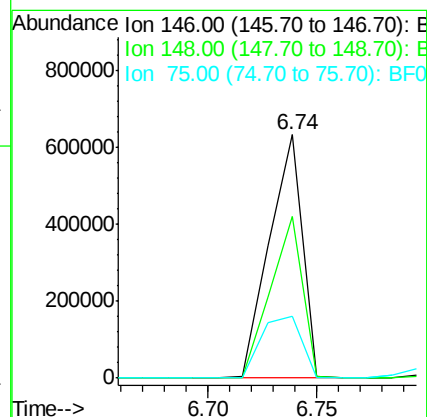
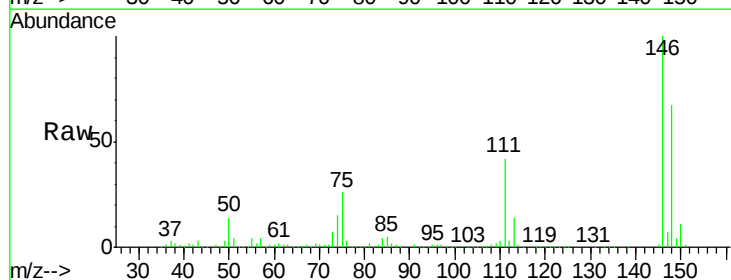
Tgt Ion: 146 Resp: 675698

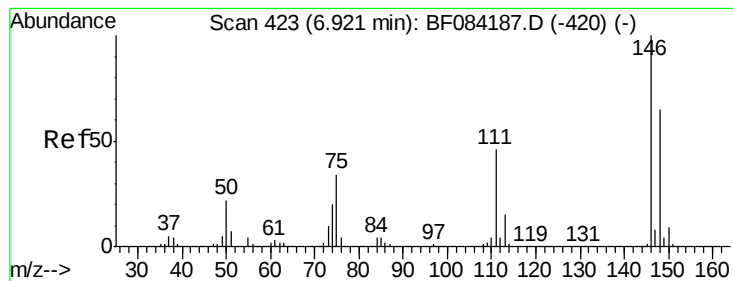
Ion Ratio Lower Upper

146 100

148 66.6 51.9 77.9

75 25.6 20.5 30.7





#13

1,4-Dichlorobenzene

Concen: 42.92 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

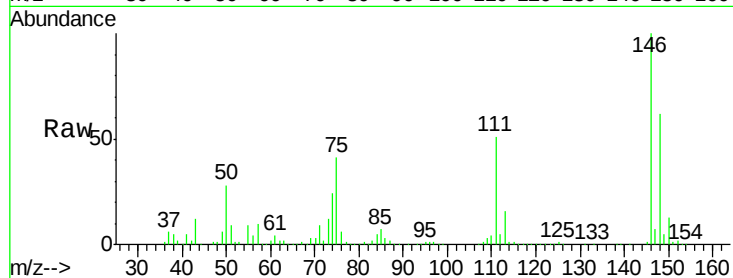
Tgt Ion:146 Resp: 648750

Ion Ratio Lower Upper

146 100

148 61.9 51.9 77.9

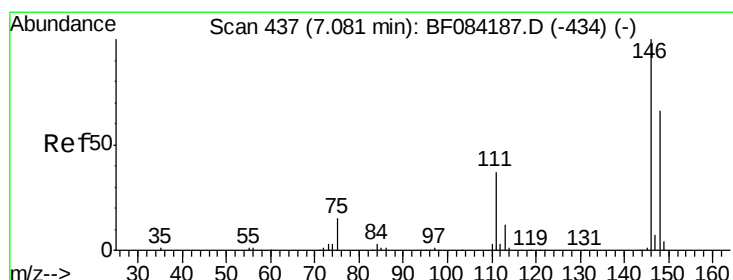
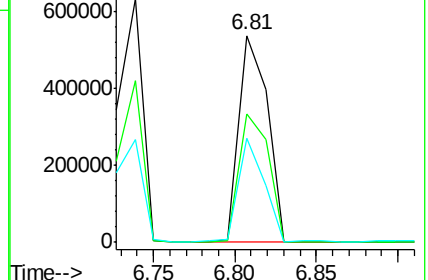
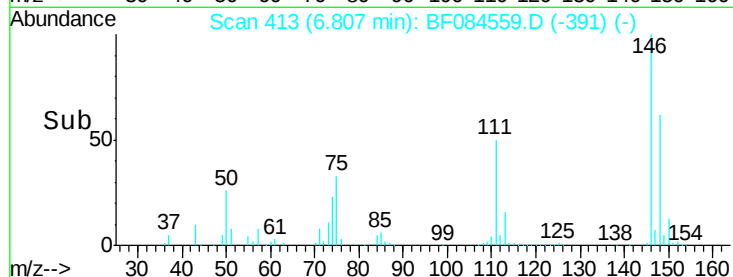
111 50.5 41.6 62.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 45.23 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

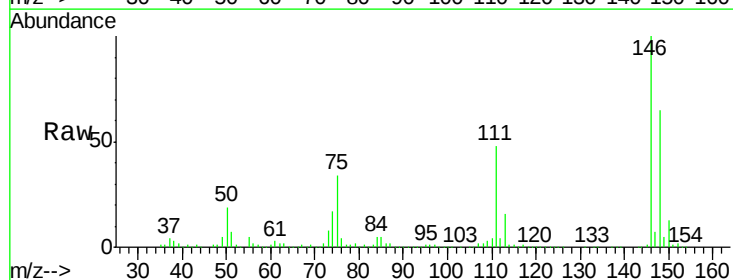
Tgt Ion:146 Resp: 654810

Ion Ratio Lower Upper

146 100

148 64.6 51.6 77.4

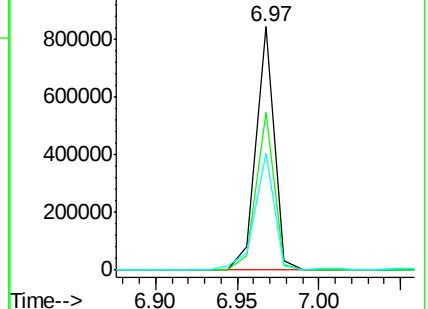
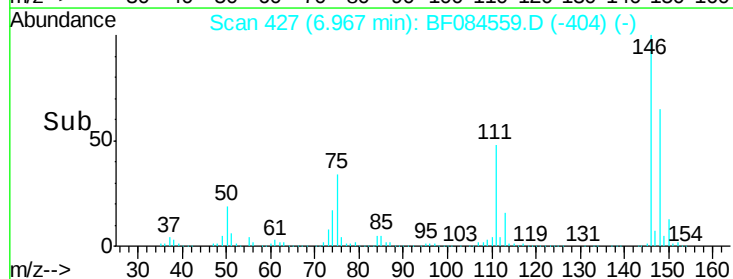
111 48.1 38.0 57.0

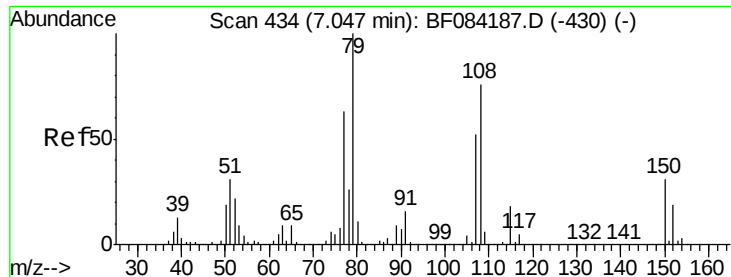


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 38.36 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

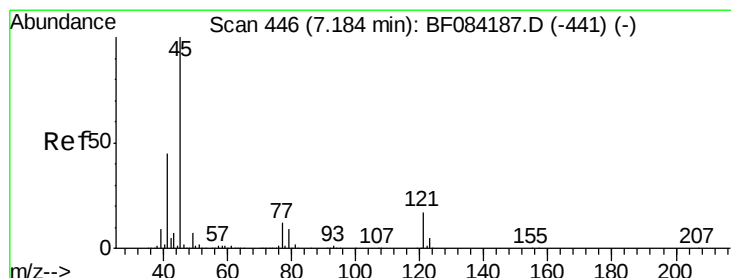
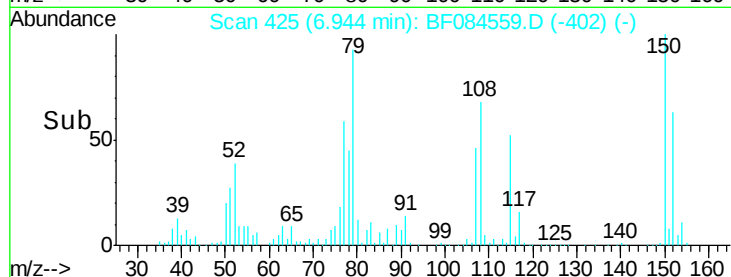
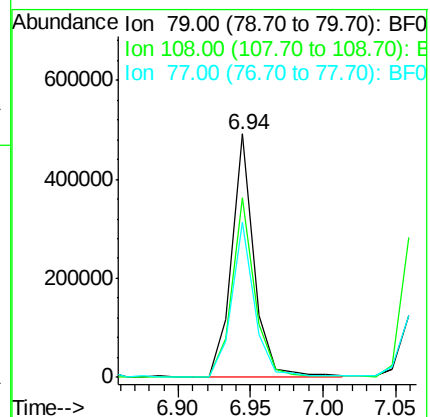
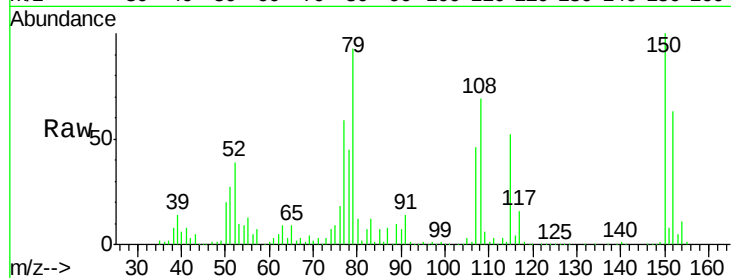
Tgt Ion: 79 Resp: 522024

Ion Ratio Lower Upper

79 100

108 73.9 69.0 103.4

77 63.7 50.0 75.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.96 ng

RT: 7.08 min Scan# 437

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

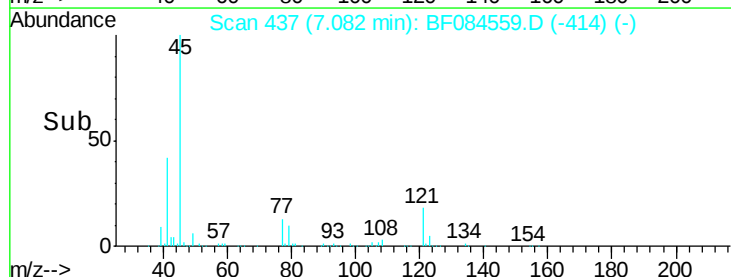
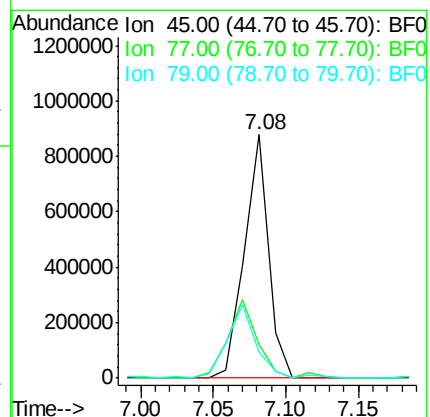
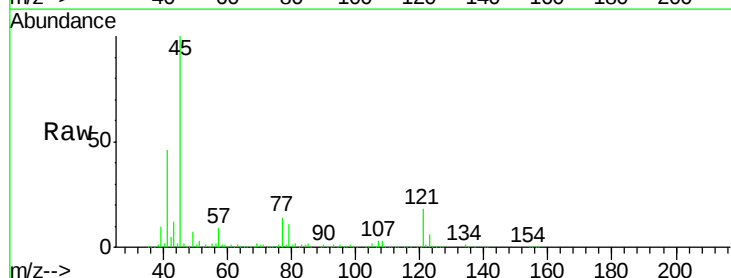
Tgt Ion: 45 Resp: 1010738

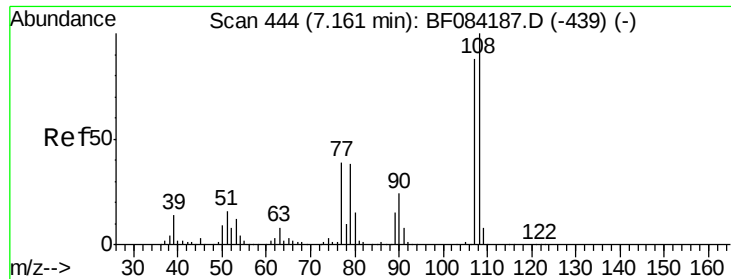
Ion Ratio Lower Upper

45 100

77 13.7 0.0 39.6

79 10.5 0.0 35.0

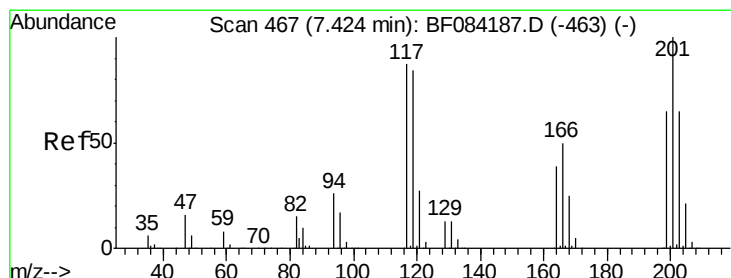
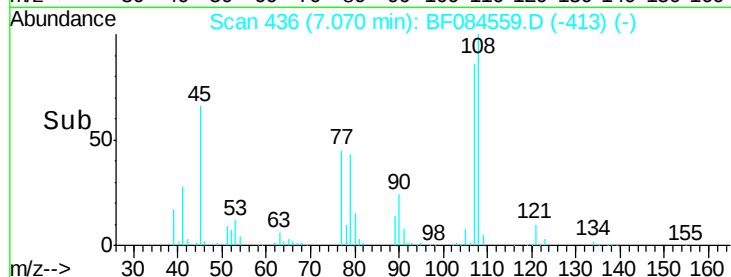
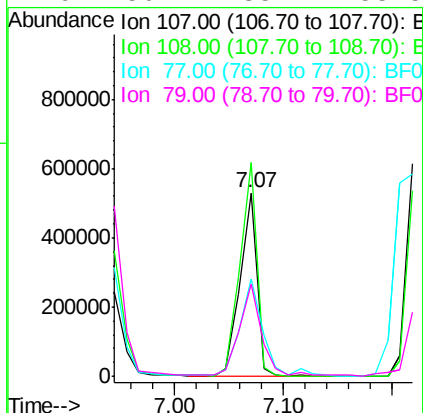
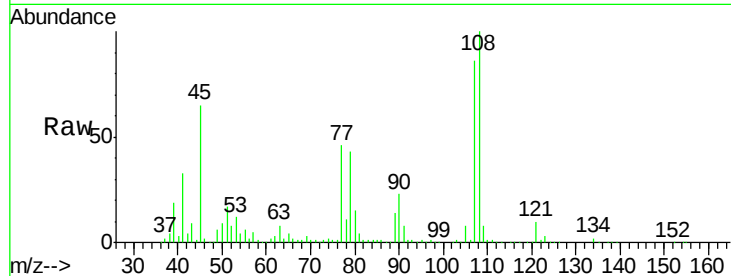




#17
2-Methylphenol
Concen: 45.93 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

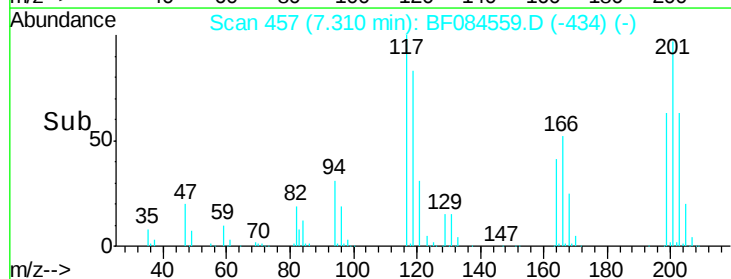
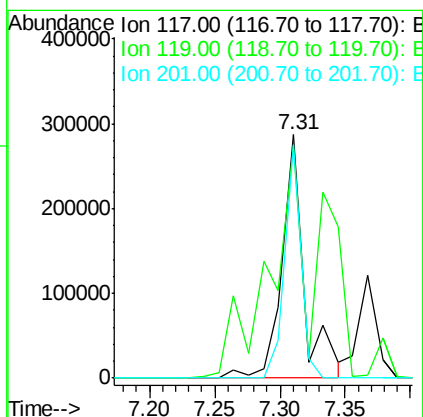
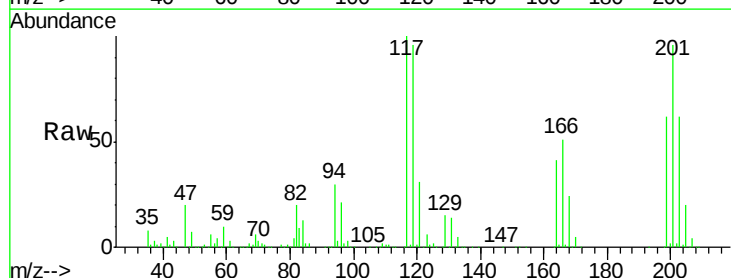
Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

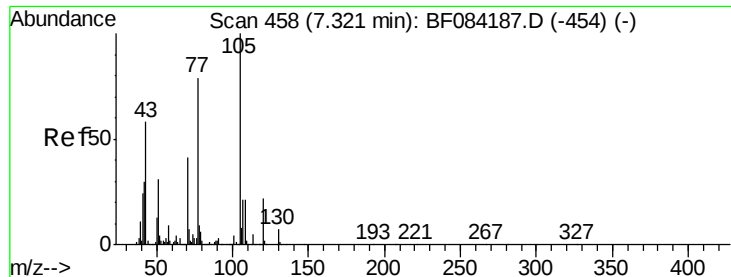
Tgt Ion:	107	Resp:	562512
Ion	Ratio	Lower	Upper
107	100		
108	116.4	89.8	134.6
77	53.0	35.7	53.5
79	50.2	35.7	53.5



#18
Hexachloroethane
Concen: 56.11 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion:	117	Resp:	339176
Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.4	116.0
201	95.7	68.6	103.0

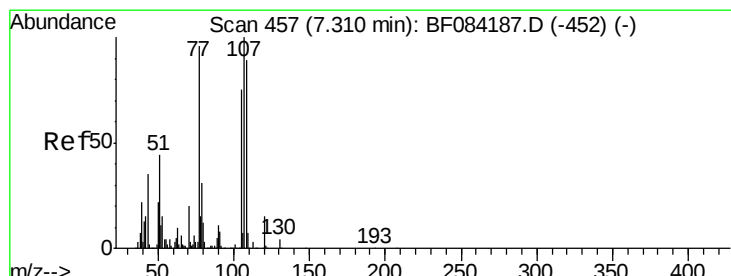
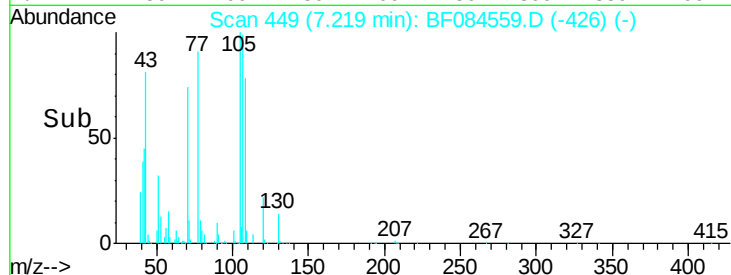
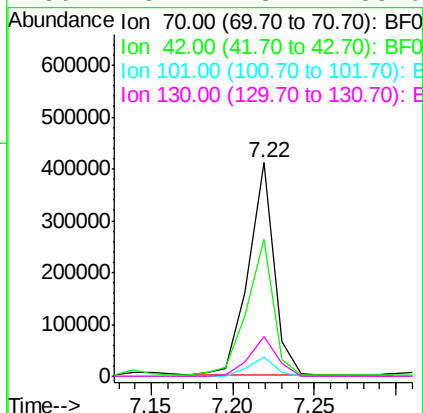
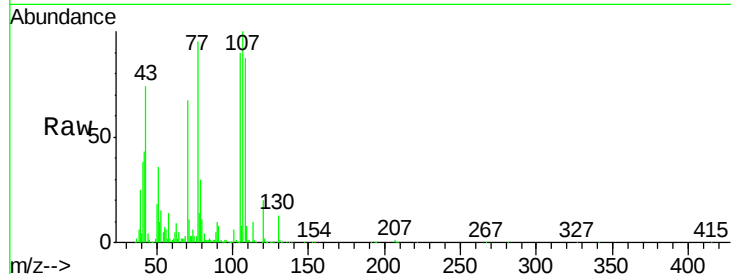




#19
n-Nitroso-di-n-propylamine
Concen: 40.91 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

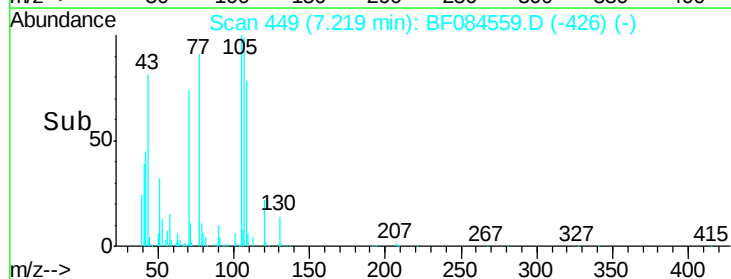
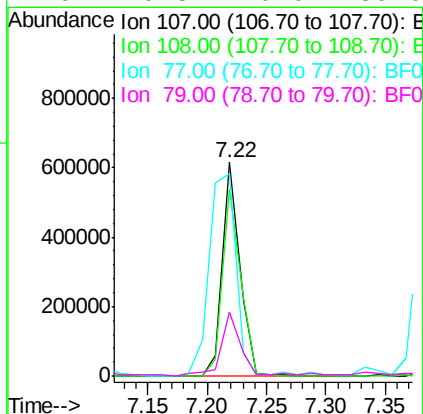
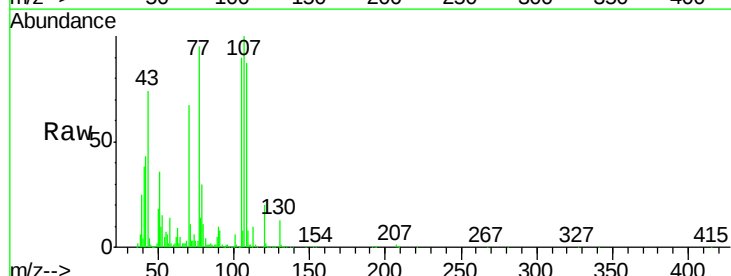
Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tgt Ion:	70	Resp:	447904
Ion	Ratio	Lower	Upper
70	100		
42	63.9	33.3	49.9#
101	9.1	9.3	13.9#
130	18.7	23.4	35.0#



#20
3+4-Methylphenols
Concen: 43.11 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion:	107	Resp:	620545
Ion	Ratio	Lower	Upper
107	100		
108	87.3	74.6	114.6
77	94.9	0.7	40.7#
79	29.8	0.0	39.0

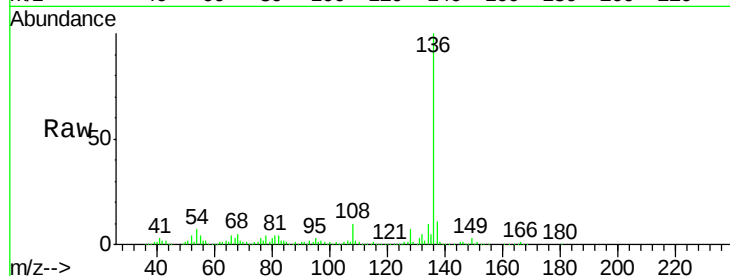




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tgt Ion:	136	Resp:	830348
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.3	5.8	8.8
68	4.8	4.2	6.2



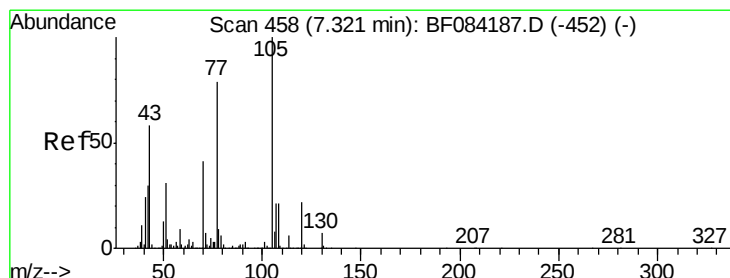
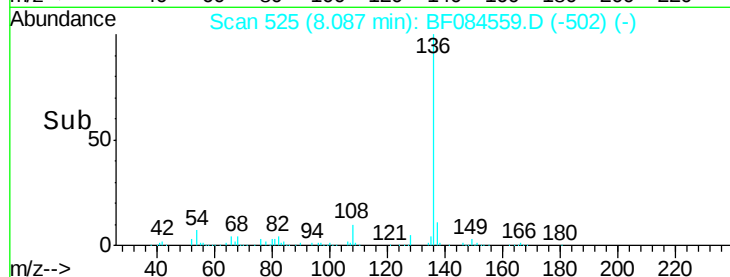
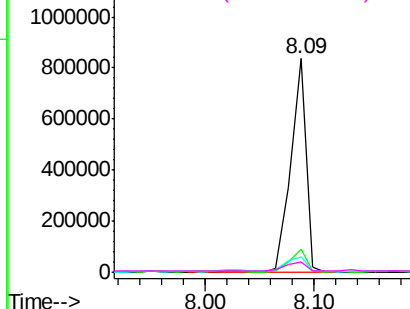
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

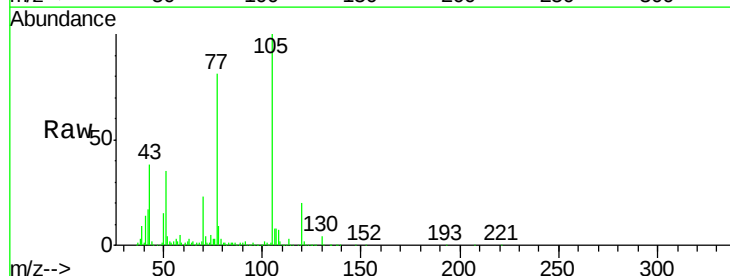
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 49.05 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion:	105	Resp:	979461
Ion	Ratio	Lower	Upper
105	100		
71	4.4	3.7	5.5
51	34.6	25.1	37.7
120	19.9	16.6	25.0



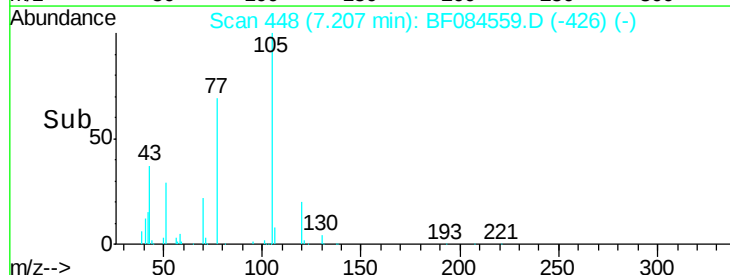
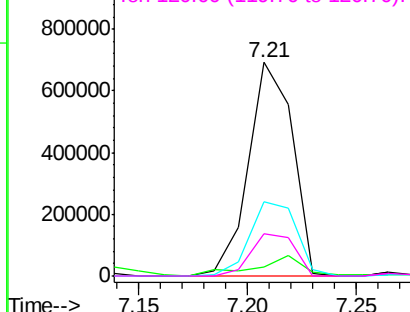
Abundance

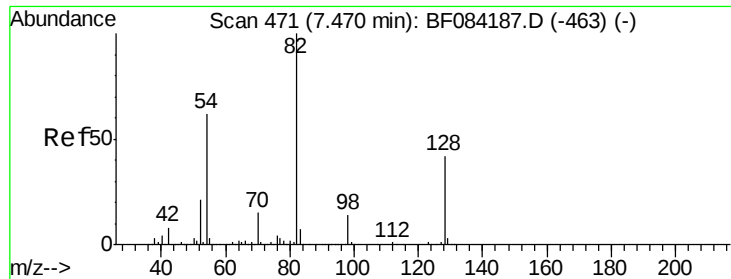
Ion 105.00 (104.70 to 105.70): E

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

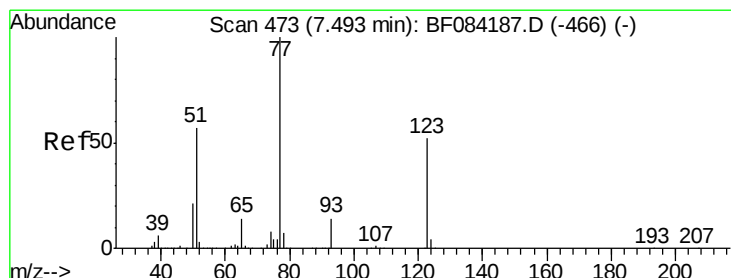
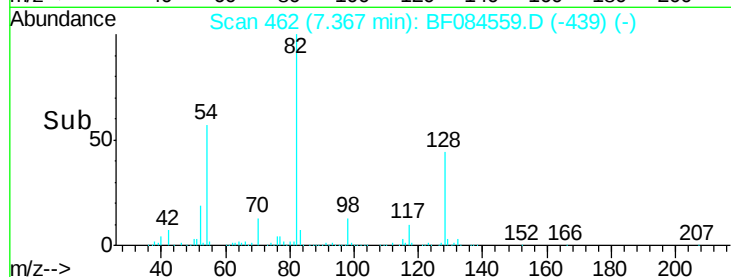
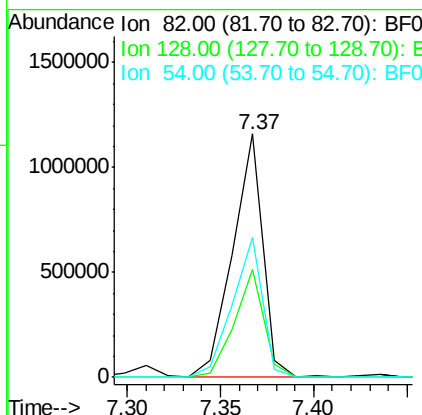
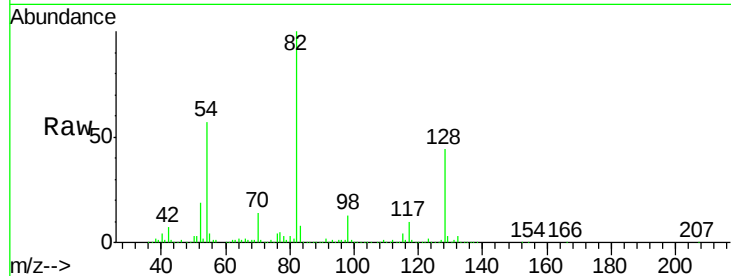




#23
 Nitrobenzene-d5
 Concen: 87.34 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

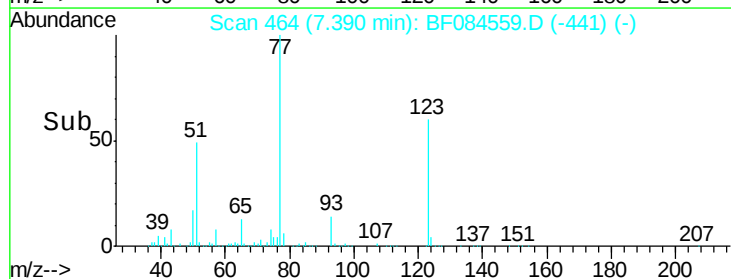
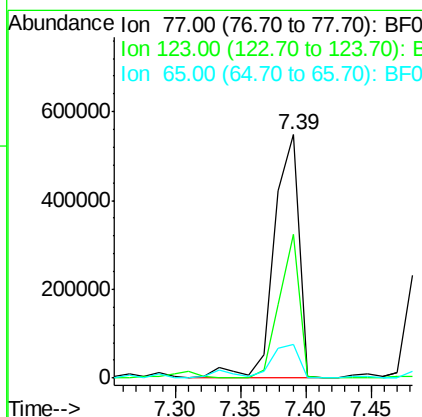
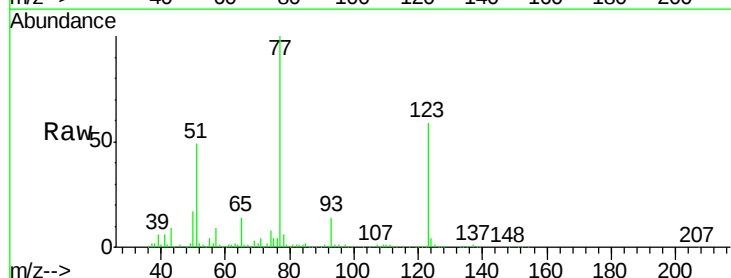
Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

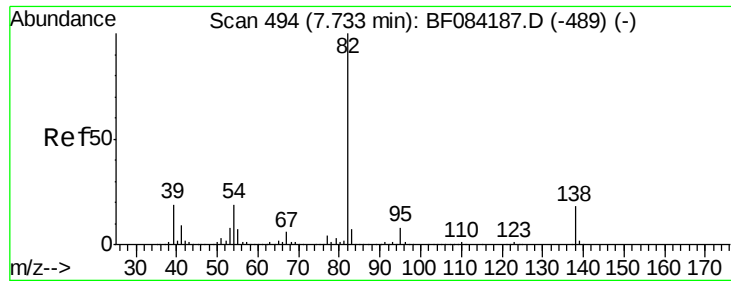
Tgt Ion: 82 Resp: 1303036
 Ion Ratio Lower Upper
 82 100
 128 44.3 34.6 51.8
 54 57.3 38.4 57.6



#24
 Nitrobenzene
 Concen: 48.03 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion: 77 Resp: 726743
 Ion Ratio Lower Upper
 77 100
 123 59.2 37.4 56.2#
 65 13.7 10.9 16.3

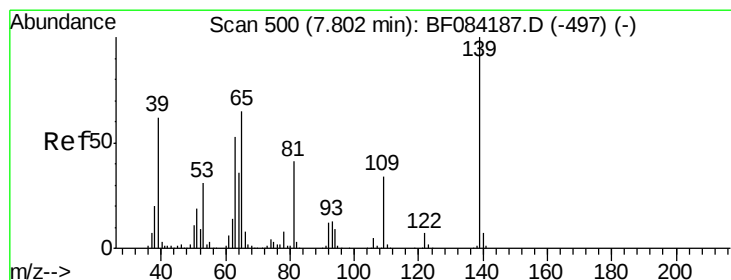
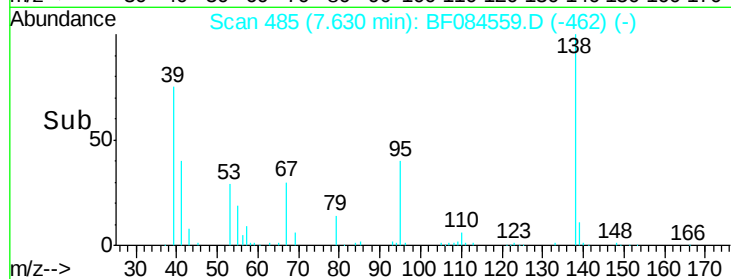
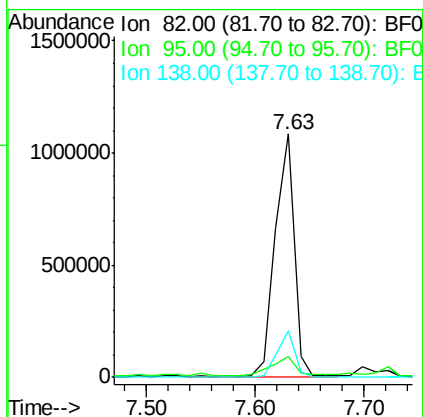
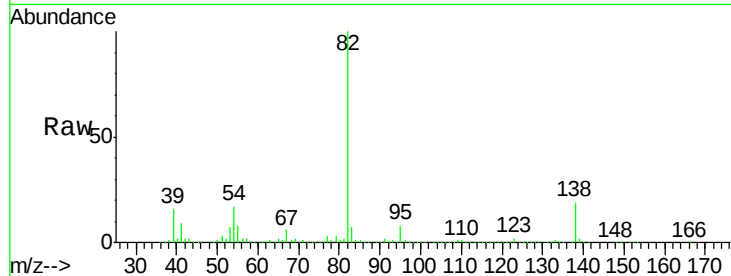




#25
Isophorone
Concen: 46.26 ng
RT: 7.63 min Scan# 485
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

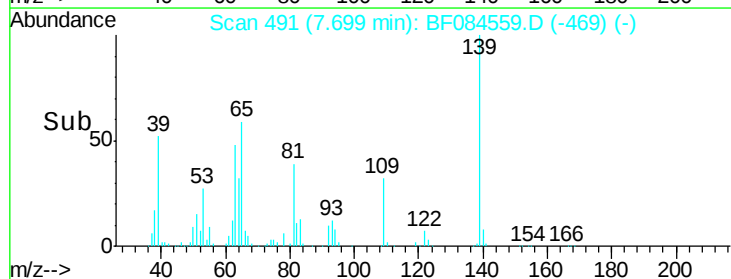
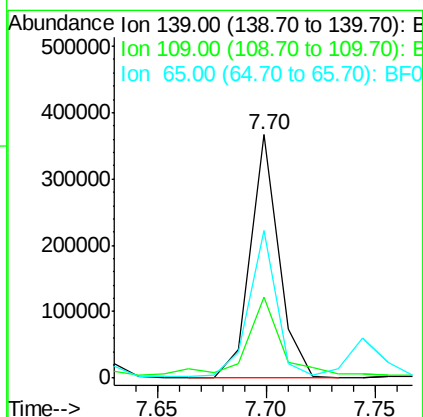
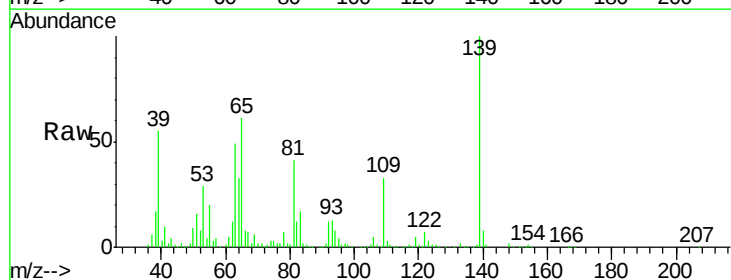
Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

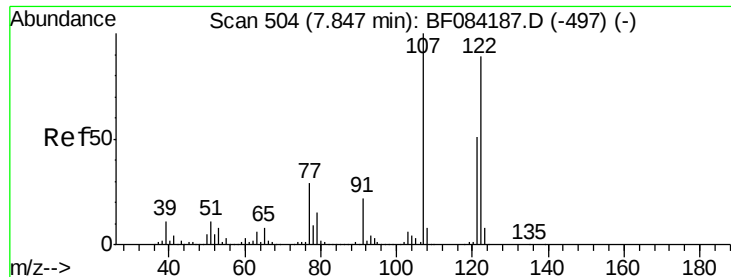
Tgt Ion: 82 Resp: 1320050
Ion Ratio Lower Upper
82 100
95 8.4 6.6 10.0
138 19.0 13.6 20.4



#26
2-Nitrophenol
Concen: 48.10 ng
RT: 7.70 min Scan# 491
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion: 139 Resp: 331272
Ion Ratio Lower Upper
139 100
109 33.2 25.4 38.2
65 60.5 32.3 48.5#





#27

2,4-Dimethylphenol

Concen: 40.72 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

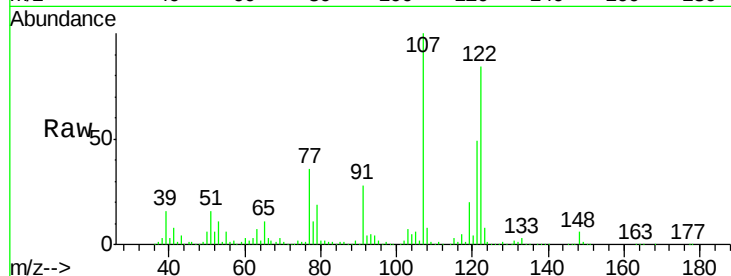
Tgt Ion:122 Resp: 567589

Ion Ratio Lower Upper

122 100

107 119.4 99.1 148.7

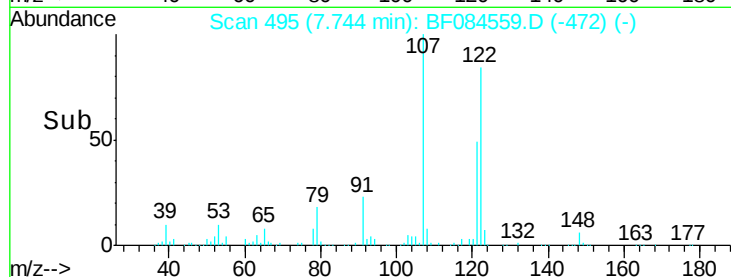
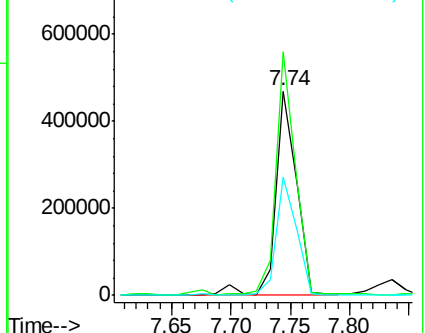
121 58.2 47.9 71.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.98 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

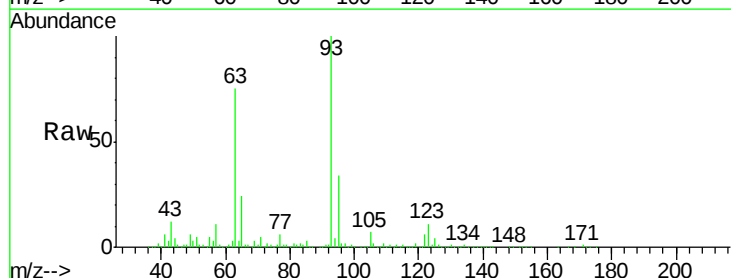
Tgt Ion: 93 Resp: 766473

Ion Ratio Lower Upper

93 100

95 34.4 25.8 38.6

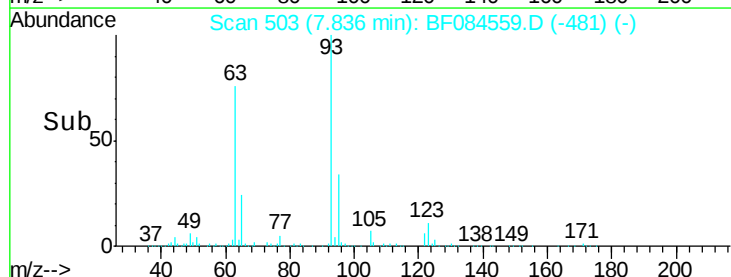
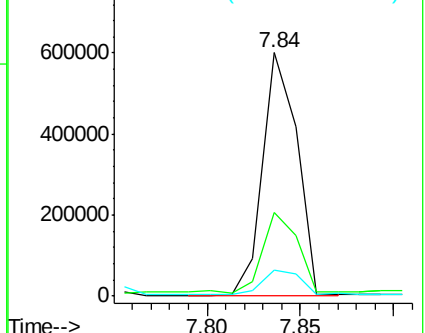
123 10.8 8.6 12.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

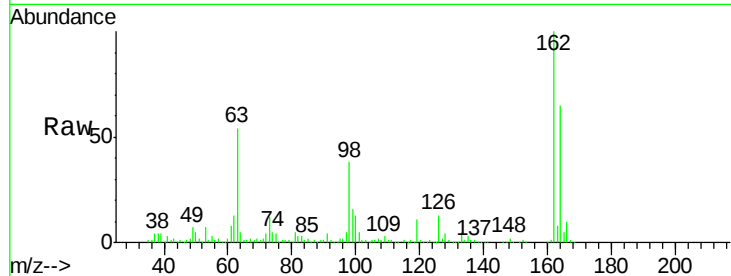




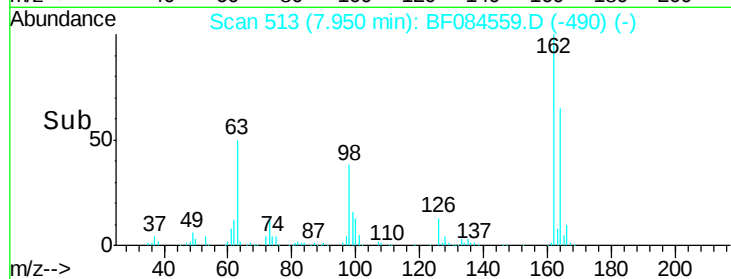
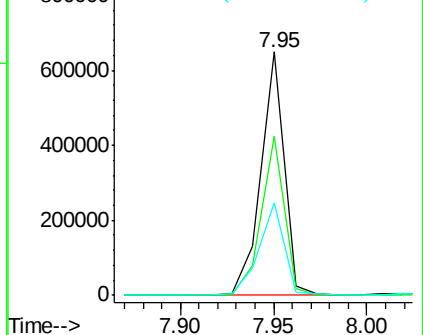
#29
2,4-Dichlorophenol
Concen: 48.16 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.3	44.1	84.1
98	38.1	20.2	60.2

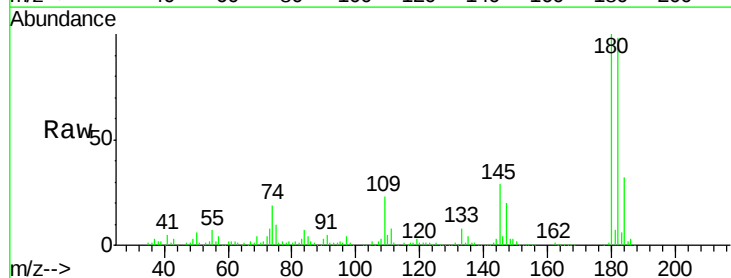


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

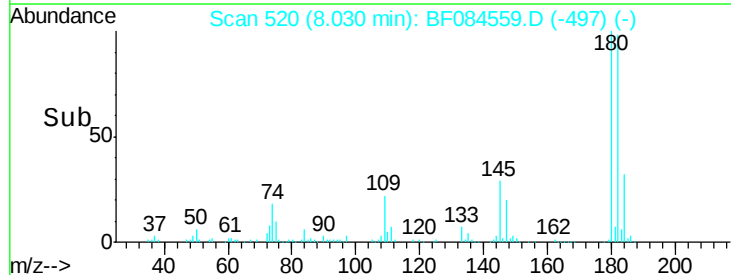
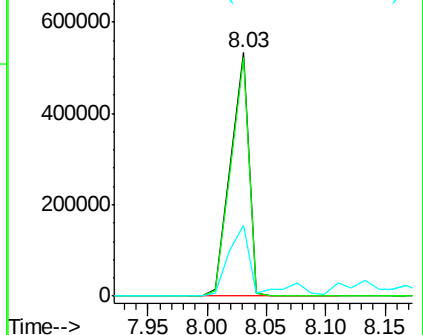


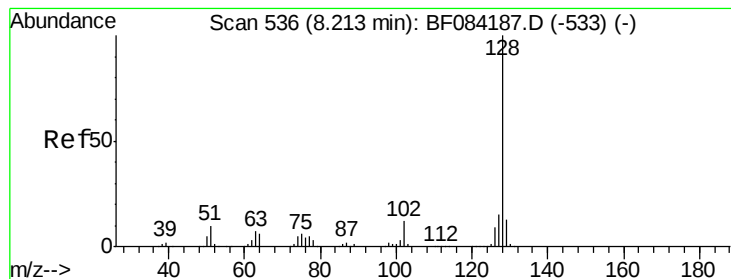
#30
1,2,4-Trichlorobenzene
Concen: 47.42 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.4	114.6
145	29.2	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: 53.77 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

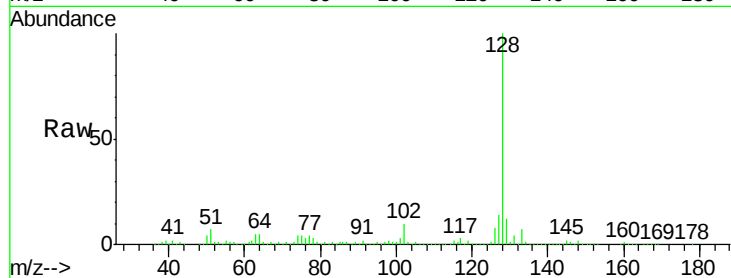
Tgt Ion:128 Resp: 2025559

Ion Ratio Lower Upper

128 100

129 12.3 9.1 13.7

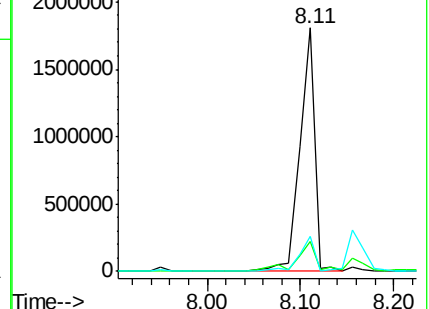
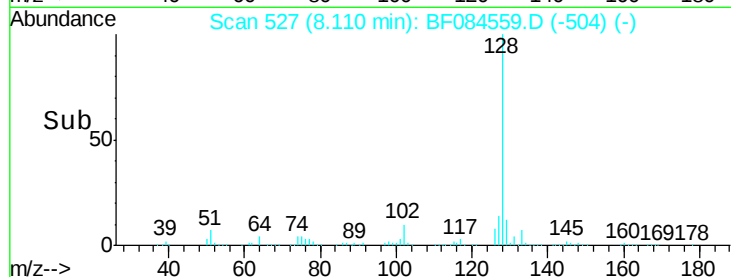
127 14.3 11.1 16.7



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: 12.42 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.06 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

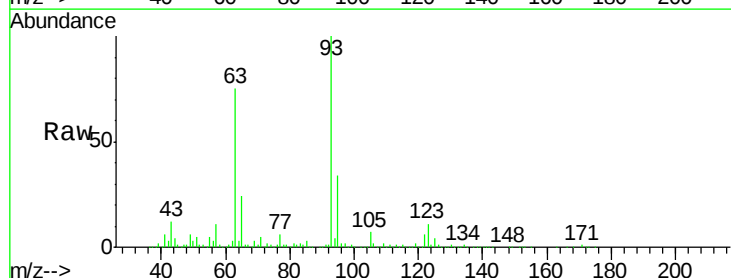
Tgt Ion:122 Resp: 63602

Ion Ratio Lower Upper

122 100

105 119.9 100.3 140.3

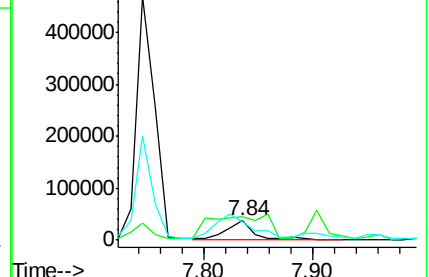
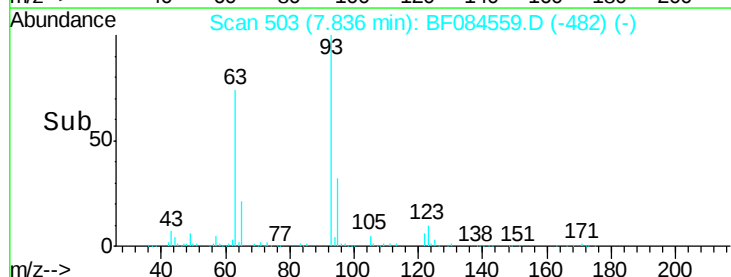
77 95.0 63.5 103.5

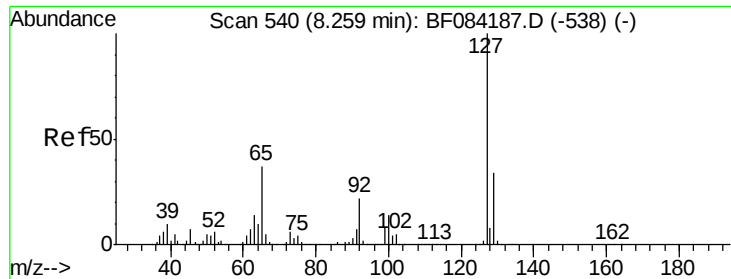


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

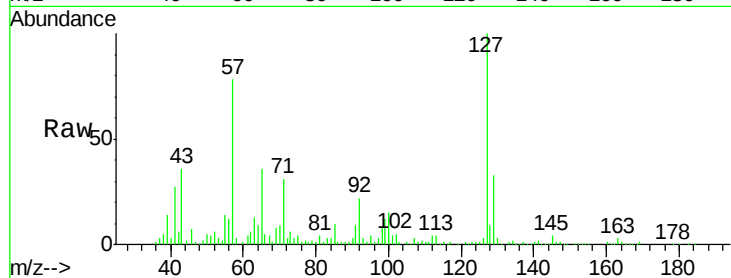




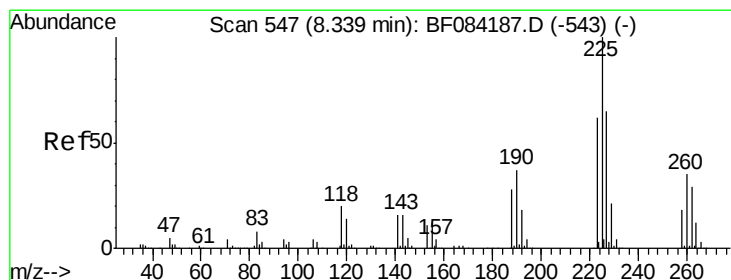
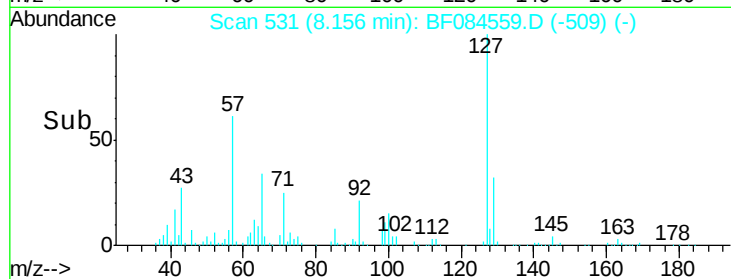
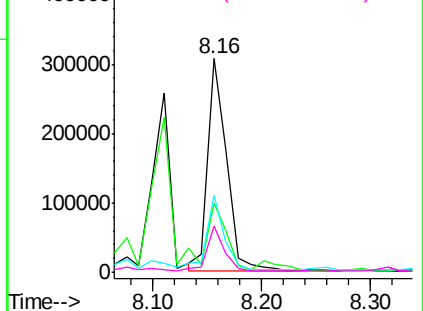
#33
4-Chloroaniline
Concen: 21.76 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tgt Ion:	127	Resp:	375785
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.5	39.7
65	36.2	27.2	40.8
92	21.8	17.7	26.5

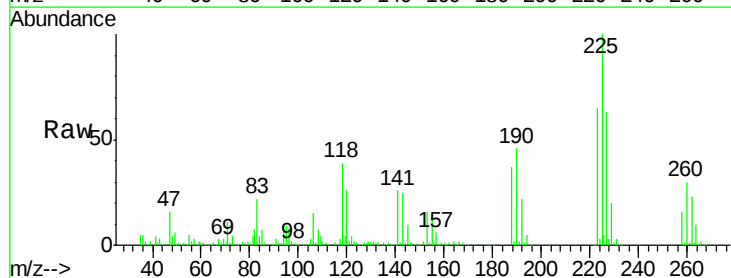


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

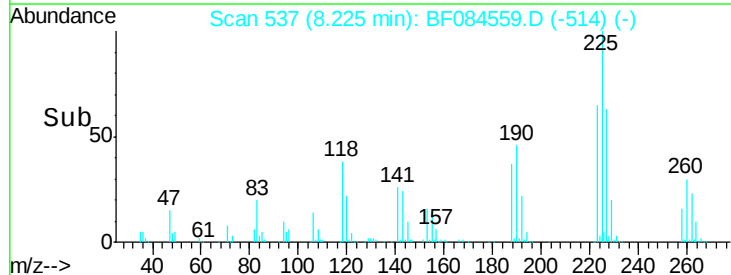
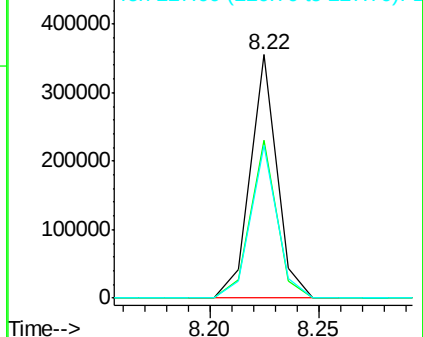


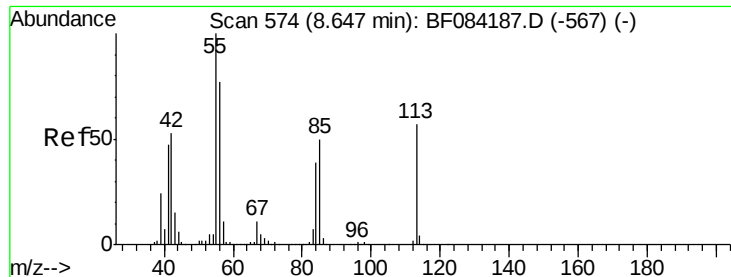
#34
Hexachlorobutadiene
Concen: 43.90 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion:	225	Resp:	302524
Ion	Ratio	Lower	Upper
225	100		
223	65.0	49.4	74.0
227	62.8	50.8	76.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

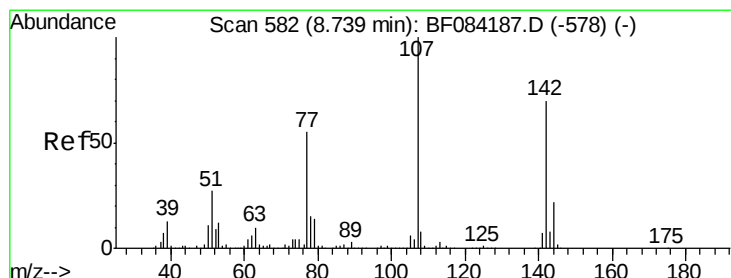
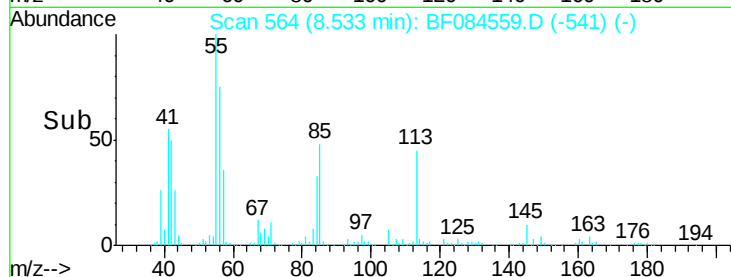
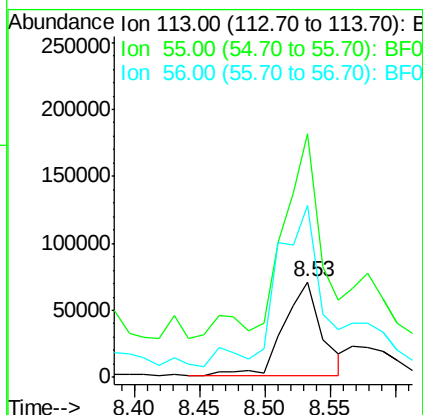
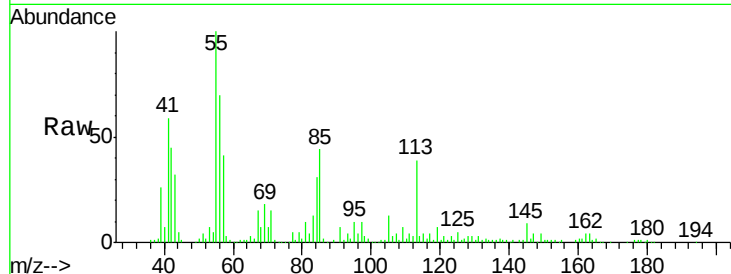




#35
 Caprolactam
 Concen: 36.16 ng
 RT: 8.53 min Scan# 564
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

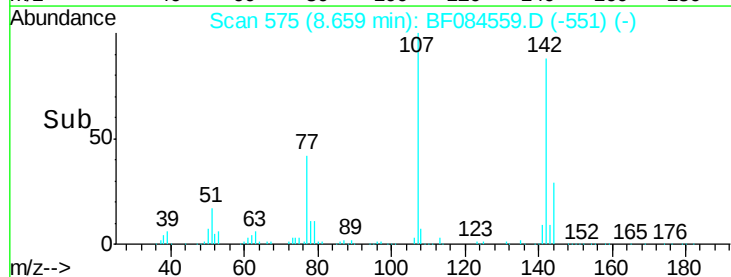
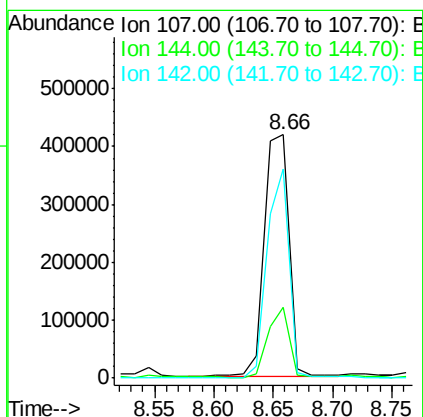
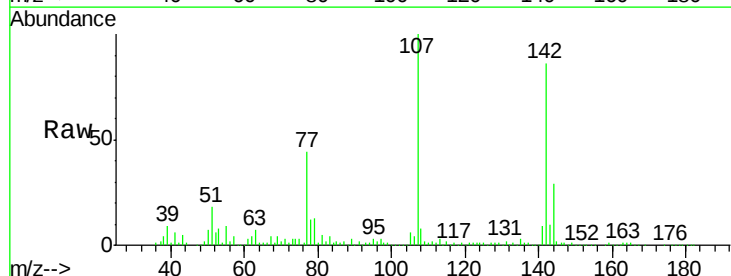
Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

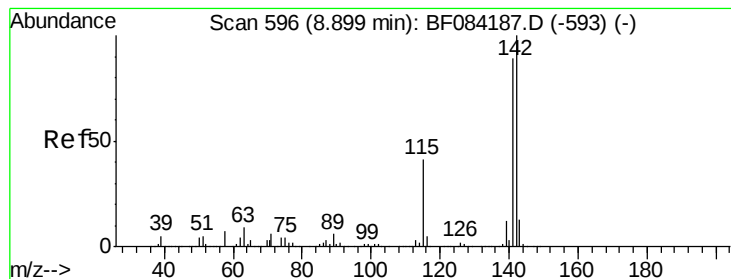
Tgt Ion:113 Resp: 141543
 Ion Ratio Lower Upper
 113 100
 55 254.8 116.9 156.9#
 56 179.4 93.8 133.8#



#36
 4-Chloro-3-methylphenol
 Concen: 46.93 ng
 RT: 8.66 min Scan# 575
 Delta R.T. -0.02 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion:107 Resp: 610381
 Ion Ratio Lower Upper
 107 100
 144 29.0 19.7 29.5
 142 86.1 61.8 92.6





#37

2-Methylnaphthalene

Concen: 44.55 ng

RT: 8.80 min Scan# 587

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

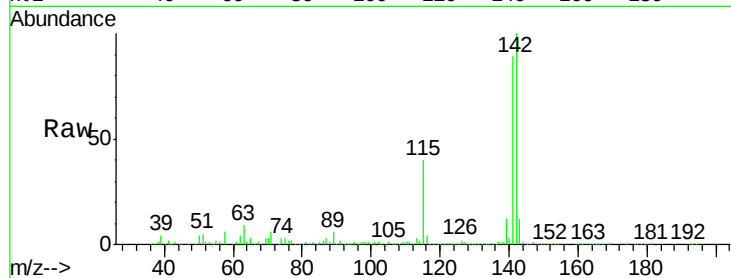
Tgt Ion:142 Resp: 1204789

Ion Ratio Lower Upper

142 100

141 89.2 72.4 108.6

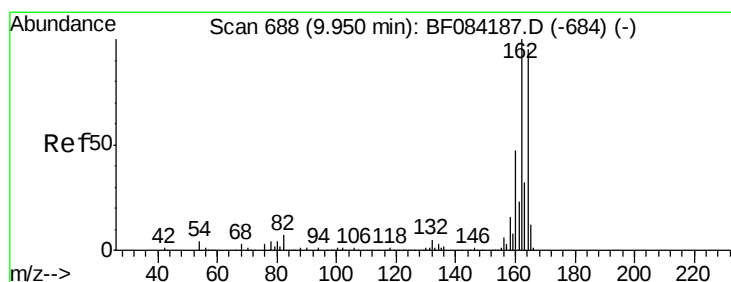
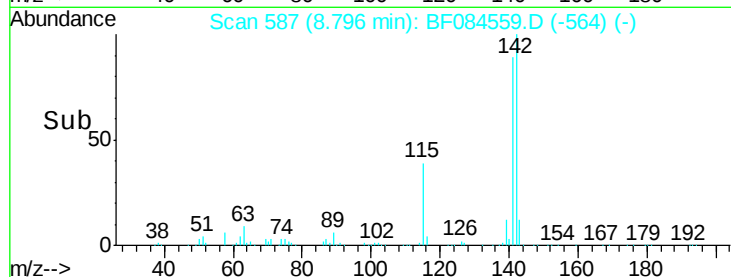
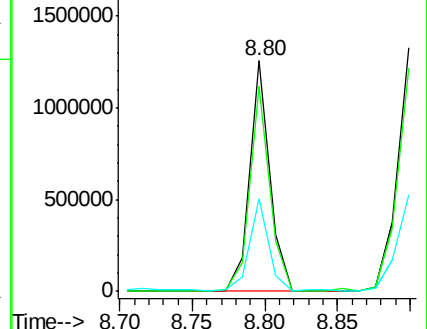
115 40.0 27.9 41.9



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: 9.84 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

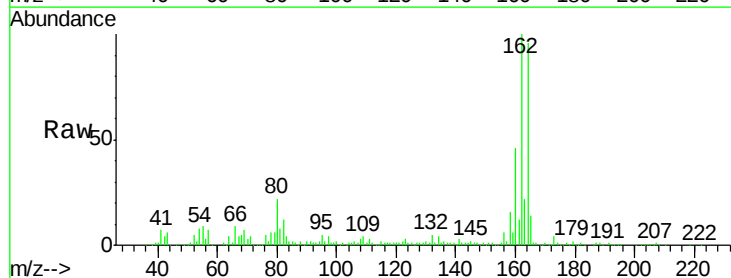
Tgt Ion:164 Resp: 354415

Ion Ratio Lower Upper

164 100

162 104.5 85.1 127.7

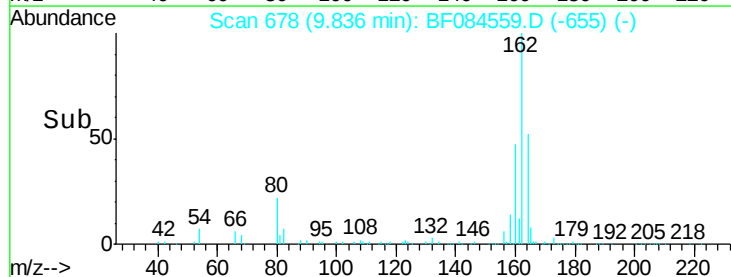
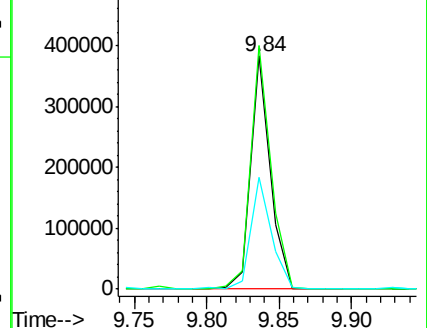
160 47.9 37.5 56.3



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: 50.35 ng

RT: 8.97 min Scan# 602

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

Tgt Ion:216 Resp: 513028

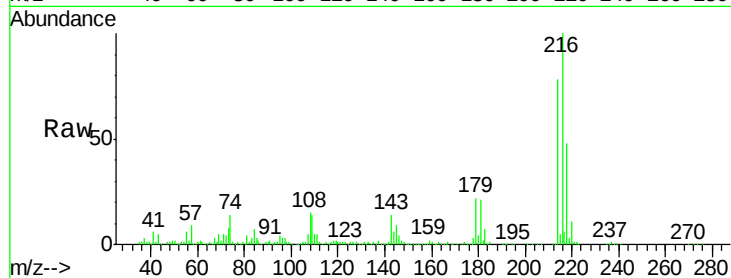
Ion Ratio Lower Upper

216 100

214 79.4 64.2 96.2

179 26.0 18.7 28.1

108 21.7 16.8 25.2

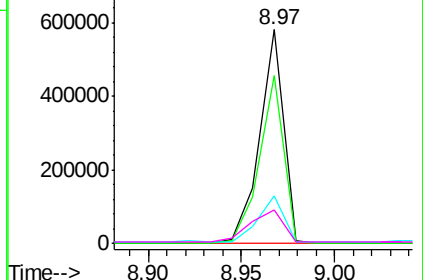
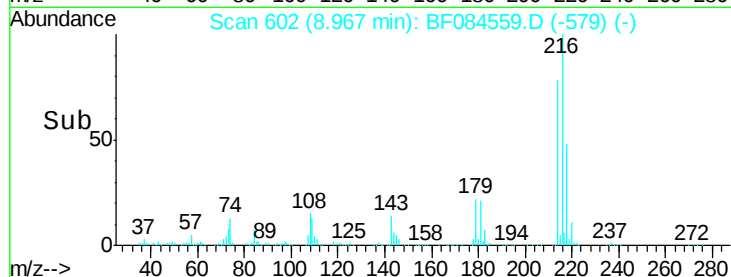


Abundance Ion 216.00 (215.70 to 216.70): E

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: 63.32 ng

RT: 8.96 min Scan# 601

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

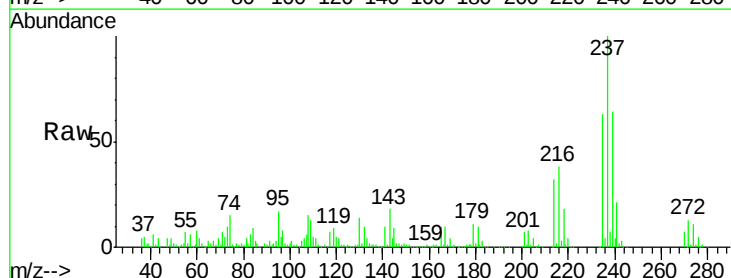
Tgt Ion:237 Resp: 389461

Ion Ratio Lower Upper

237 100

235 63.3 43.1 83.1

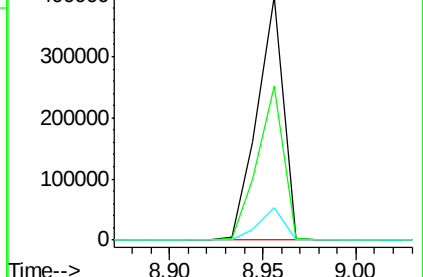
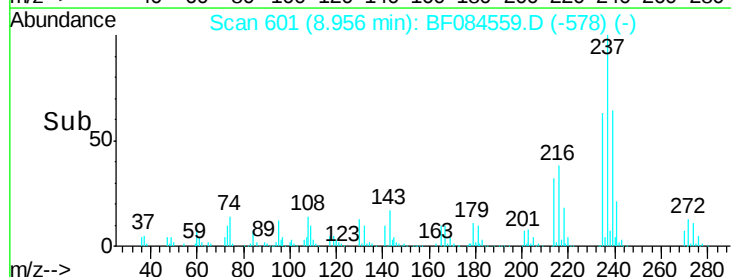
272 13.5 0.0 35.1

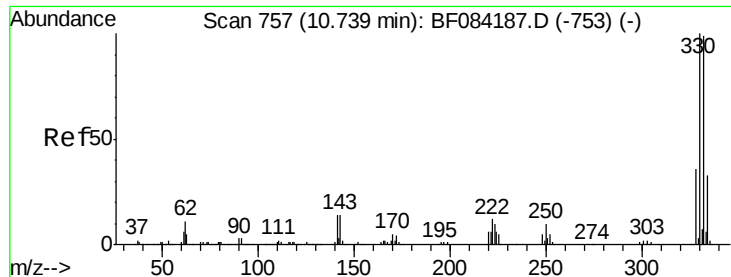


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

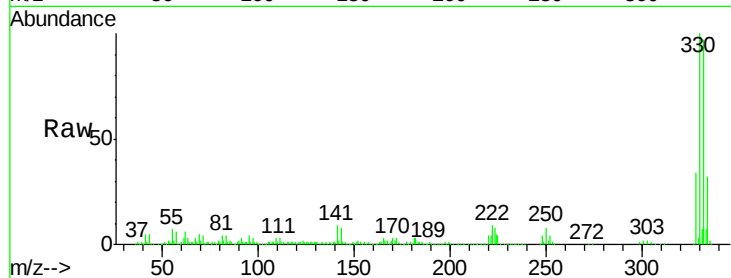




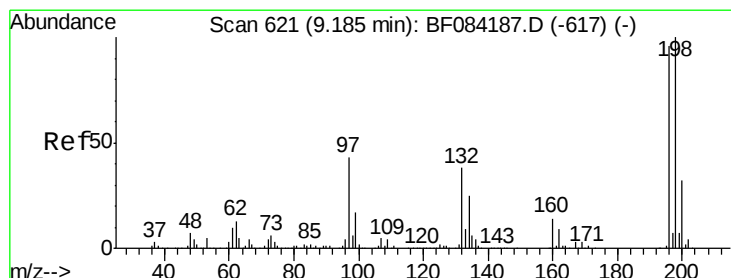
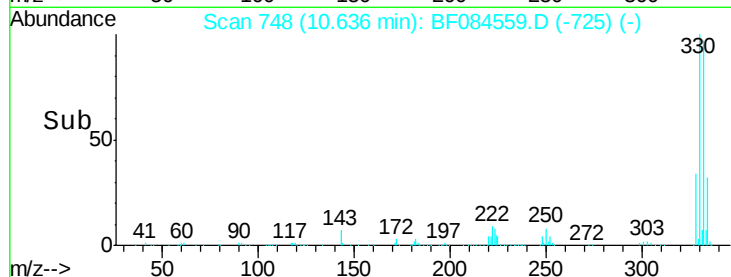
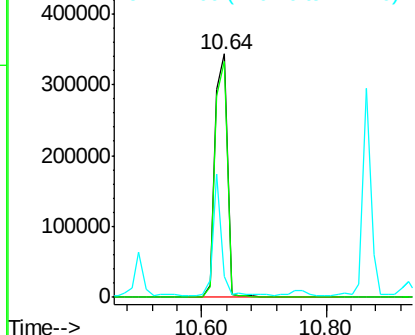
#41
 2,4,6-Tribromophenol
 Concen: 128.36 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Tgt Ion:330 Resp: 459284
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 114.8
 141 33.4 27.8 41.6

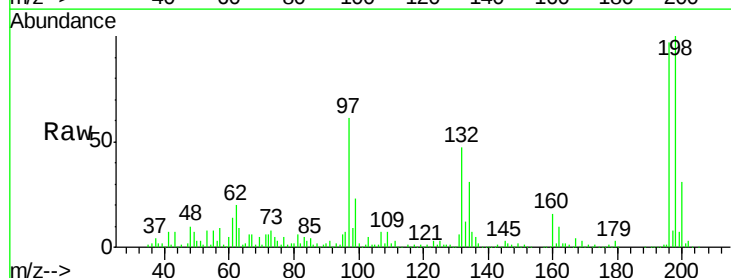


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

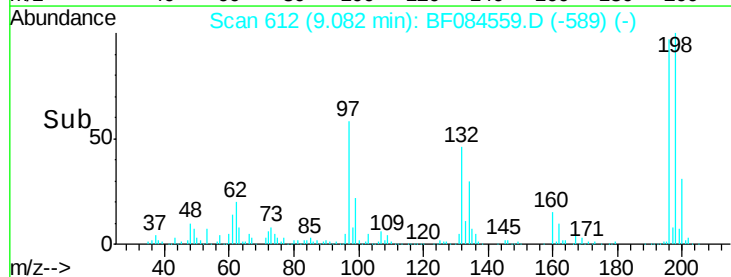
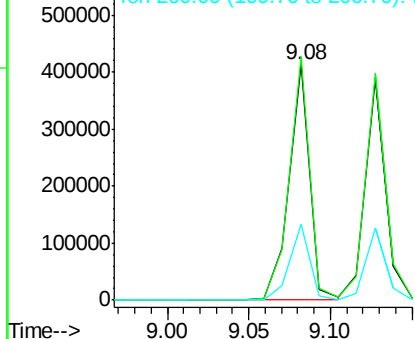


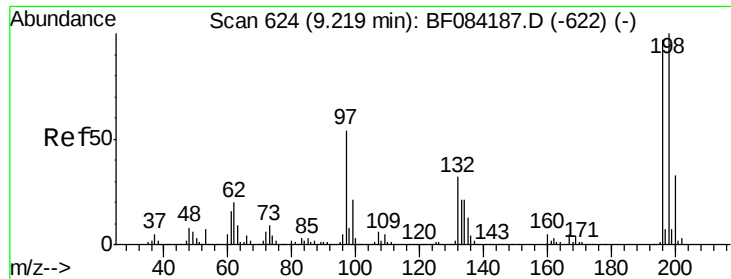
#42
 2,4,6-Trichlorophenol
 Concen: 47.97 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion:196 Resp: 365674
 Ion Ratio Lower Upper
 196 100
 198 103.4 77.7 116.5
 200 32.2 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

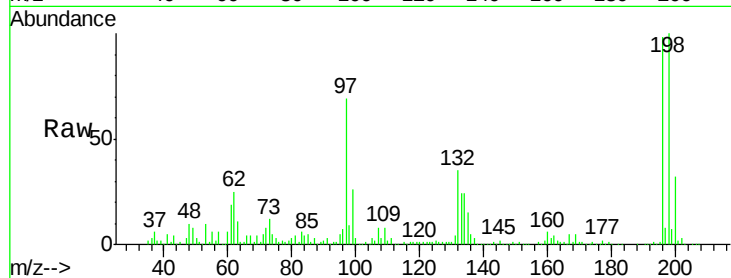




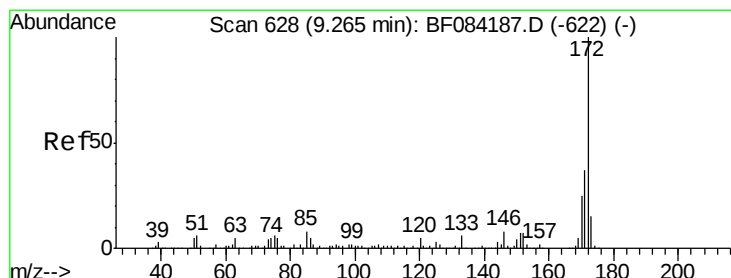
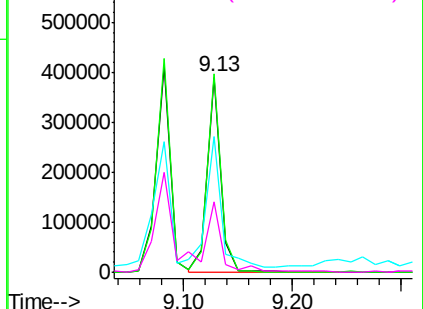
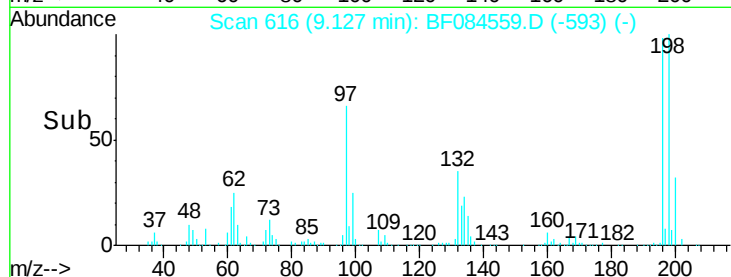
#43
 2,4,5-Trichlorophenol
 Concen: 46.75 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Tgt Ion:196 Resp: 341615
 Ion Ratio Lower Upper
 196 100
 198 102.1 79.0 118.6
 97 69.9 33.0 49.6#
 132 36.2 21.1 31.7#

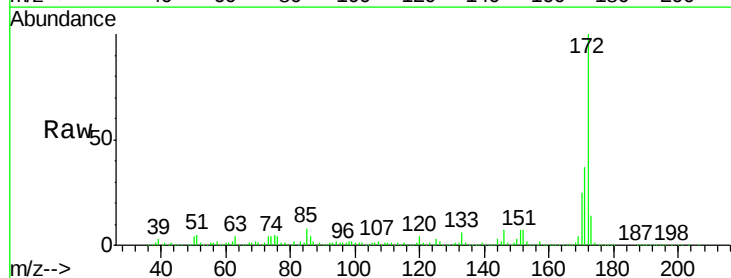


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

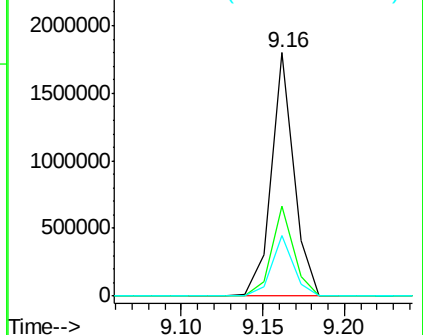
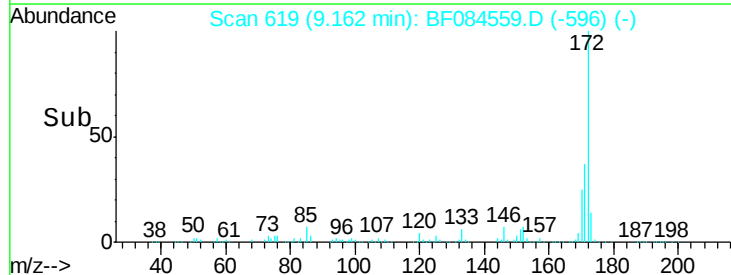


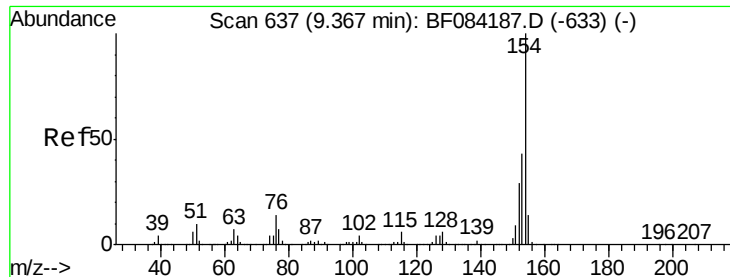
#44
 2-Fluorobiphenyl
 Concen: 86.37 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion:172 Resp: 1738012
 Ion Ratio Lower Upper
 172 100
 171 37.2 28.9 43.3
 170 24.9 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

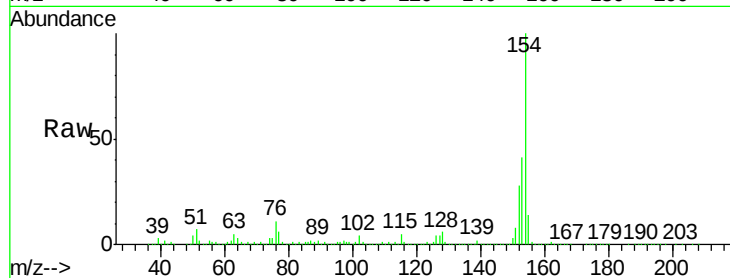




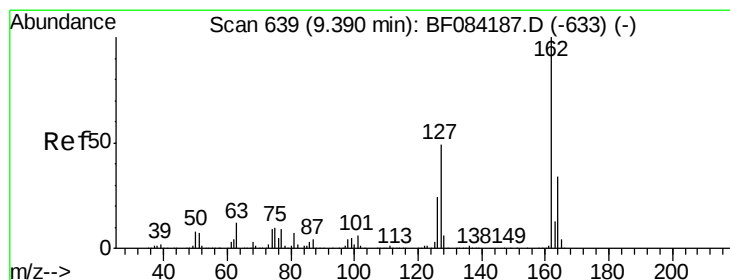
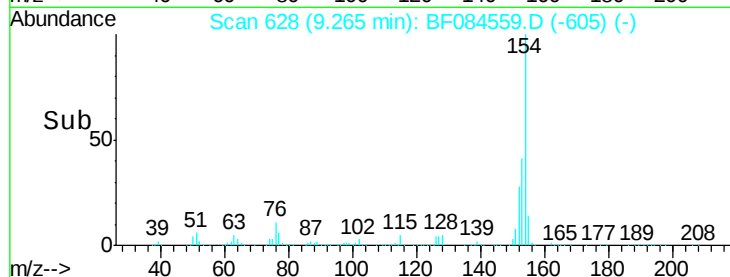
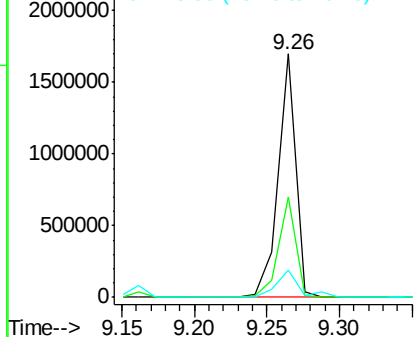
#45
1,1'-Biphenyl
Concen: 50.27 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tgt Ion:154 Resp: 1415929
Ion Ratio Lower Upper
154 100
153 41.4 21.6 61.6
76 11.1 0.0 32.7

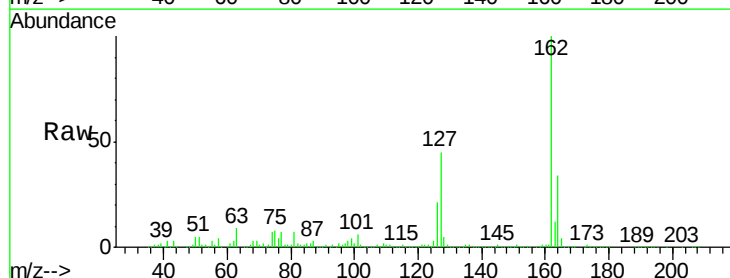


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

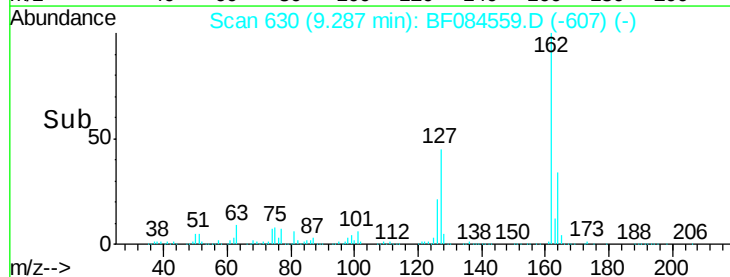
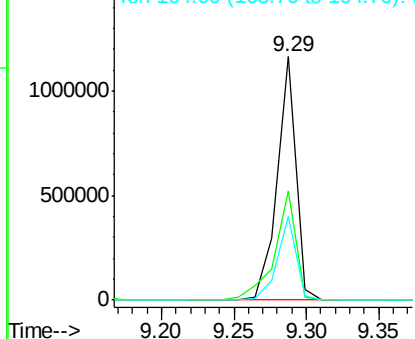


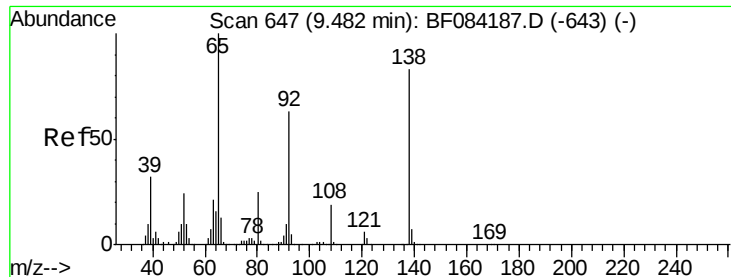
#46
2-Chloronaphthalene
Concen: 47.21 ng
RT: 9.29 min Scan# 630
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion:162 Resp: 1044616
Ion Ratio Lower Upper
162 100
127 44.8 40.2 60.4
164 34.1 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

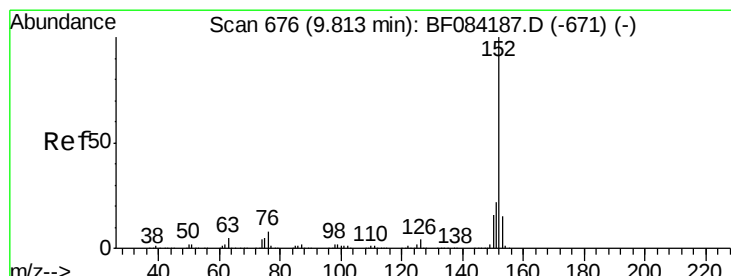
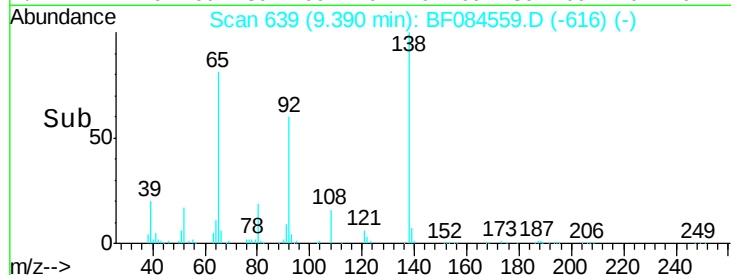
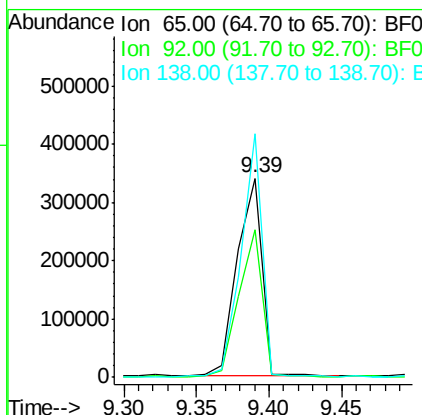
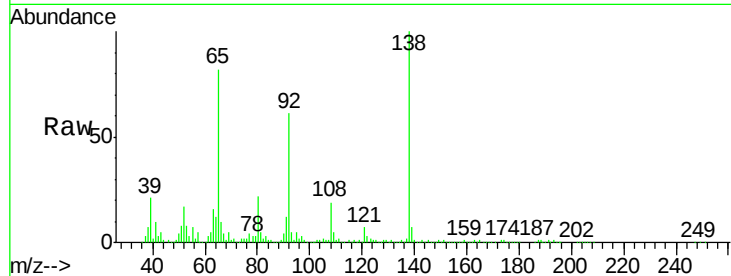




#47
 2-Nitroaniline
 Concen: 54.55 ng
 RT: 9.39 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

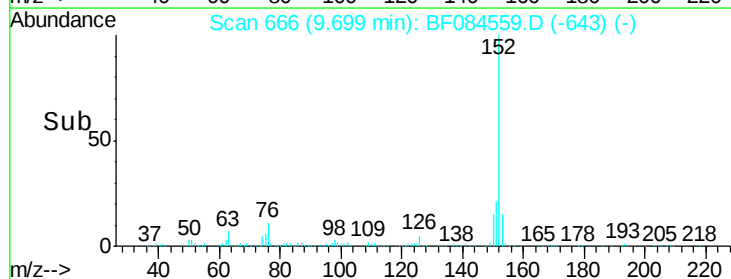
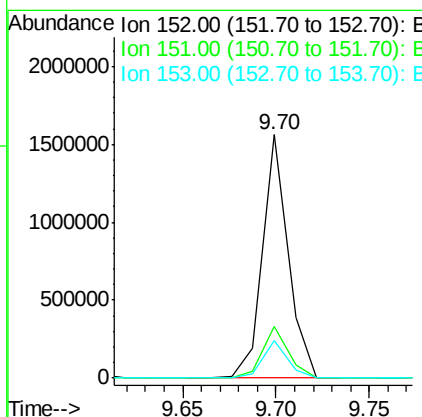
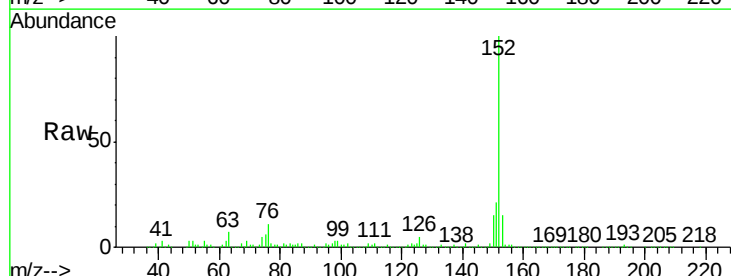
Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

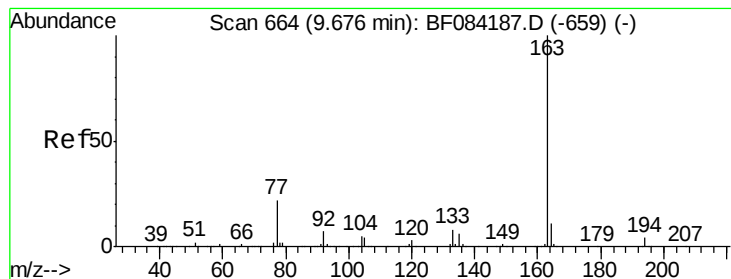
Tgt Ion: 65 Resp: 398343
 Ion Ratio Lower Upper
 65 100
 92 74.3 53.4 80.2
 138 122.5 71.1 106.7#



#48
 Acenaphthylene
 Concen: 45.27 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion: 152 Resp: 1479930
 Ion Ratio Lower Upper
 152 100
 151 21.0 16.3 24.5
 153 15.5 10.4 15.6





#49

Dimethylphthalate

Concen: 63.40 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

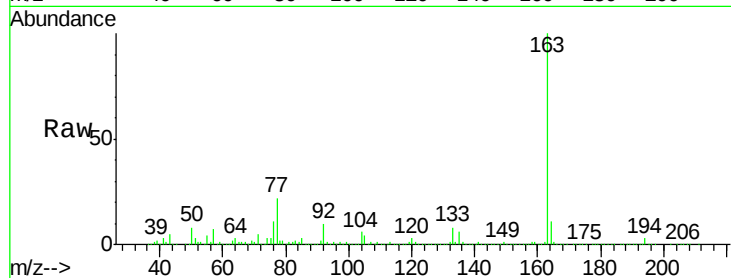
Tgt Ion:163 Resp: 1606401

Ion Ratio Lower Upper

163 100

194 3.5 8.0 12.0#

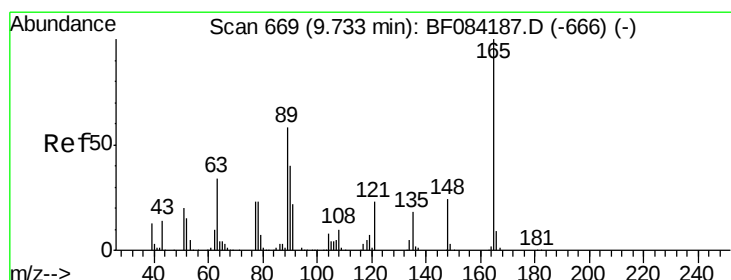
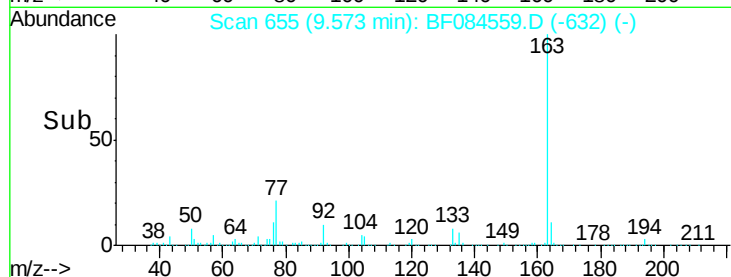
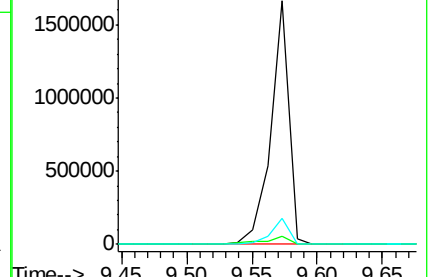
164 10.9 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 49.79 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

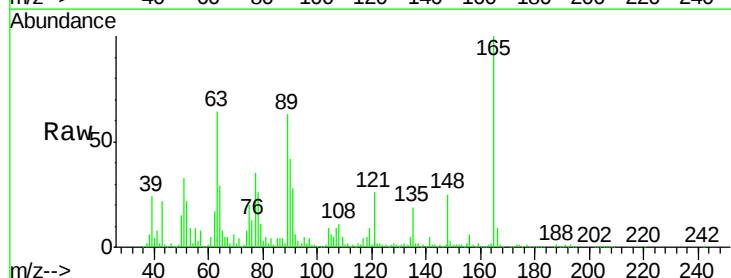
Tgt Ion:165 Resp: 276688

Ion Ratio Lower Upper

165 100

63 64.5 28.8 43.2#

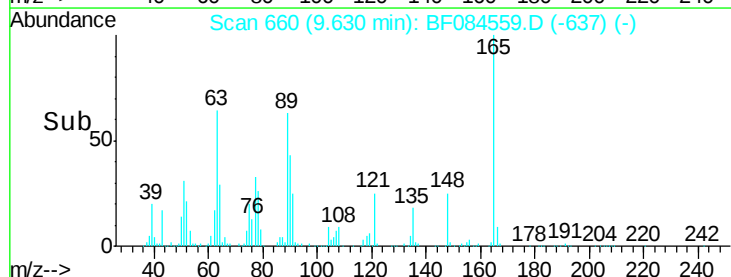
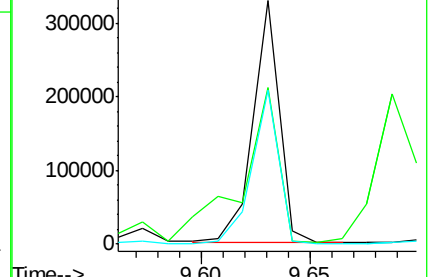
89 63.1 35.1 52.7#

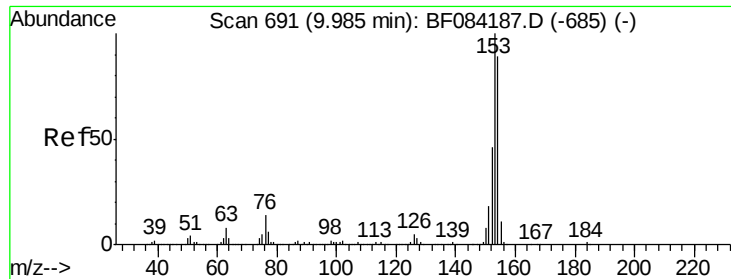


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

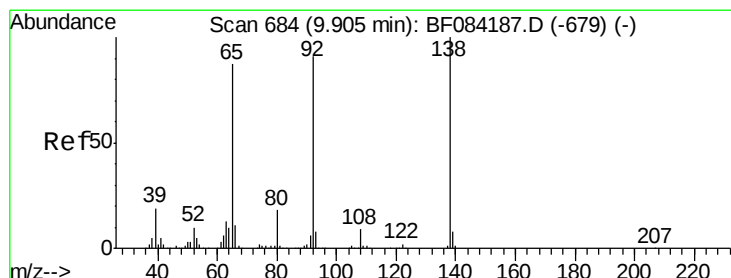
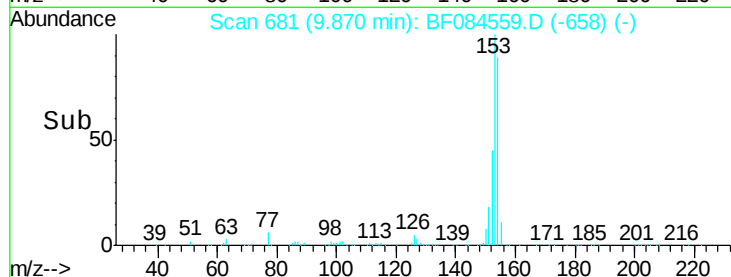
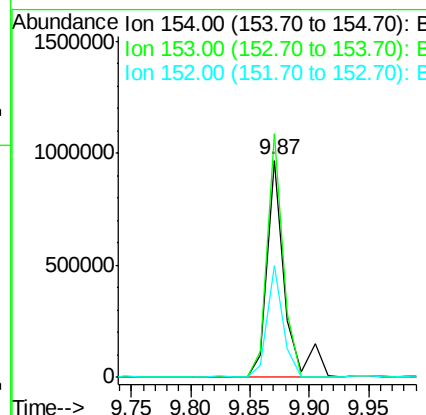
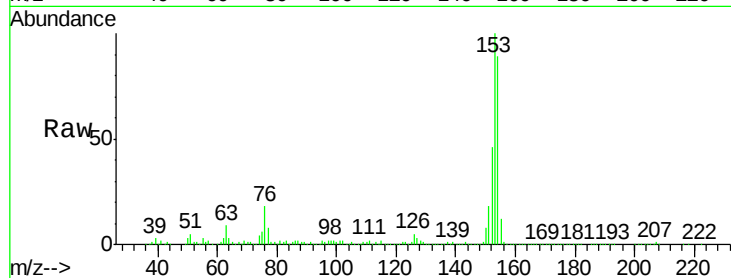




#51
Acenaphthene
Concen: 47.24 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

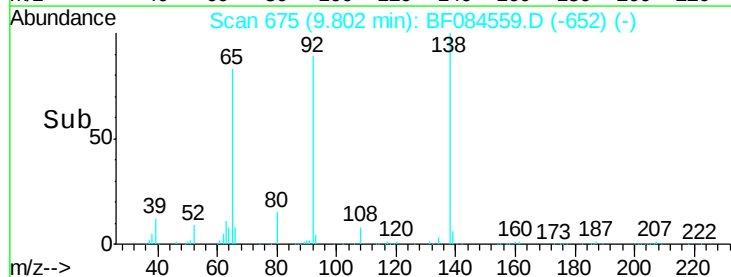
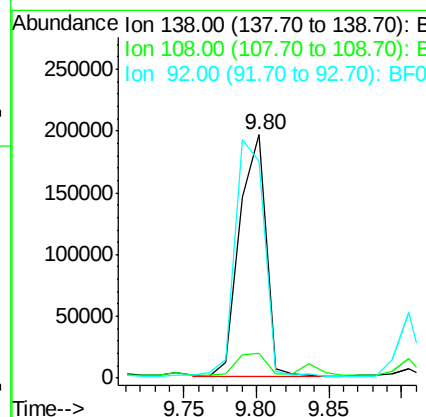
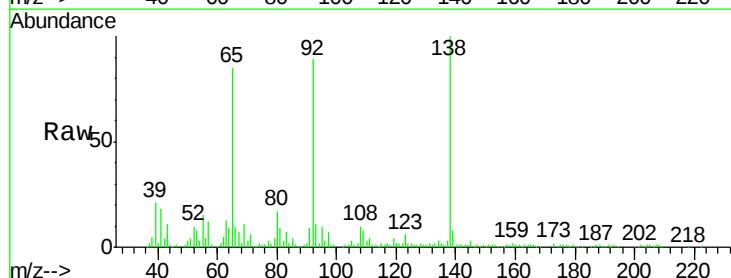
Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

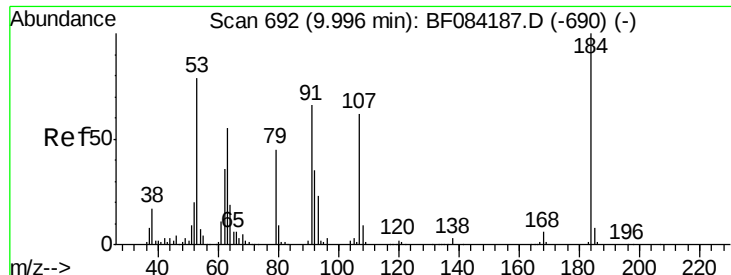
Tgt Ion:154 Resp: 1035900
Ion Ratio Lower Upper
154 100
153 112.3 91.5 137.3
152 51.6 43.0 64.6



#52
3-Nitroaniline
Concen: 35.78 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion:138 Resp: 246361
Ion Ratio Lower Upper
138 100
108 10.2 10.5 15.7#
92 89.1 103.9 155.9#

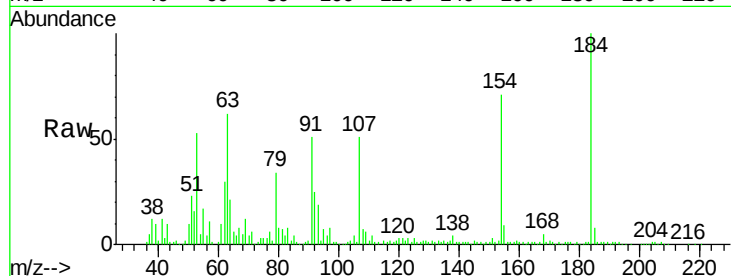




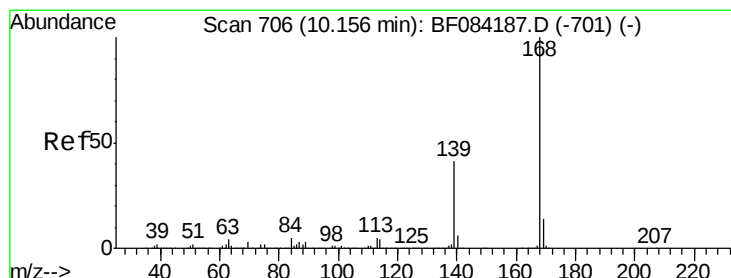
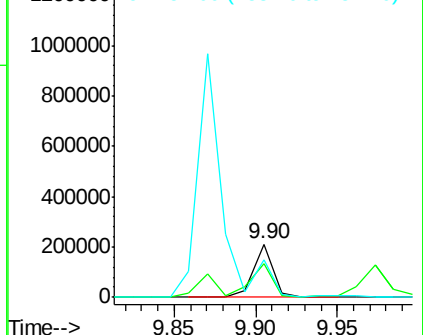
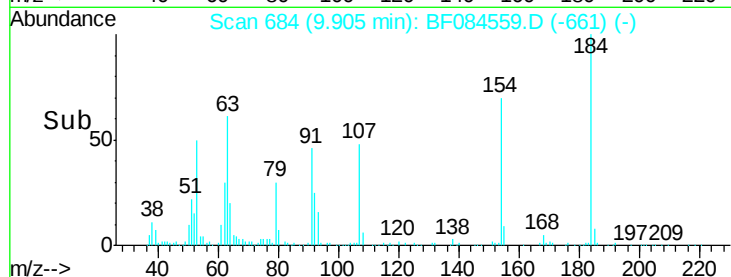
#53
2,4-Dinitrophenol
Concen: 75.58 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tgt Ion:184 Resp: 178435
Ion Ratio Lower Upper
184 100
63 62.4 43.1 64.7
154 70.7 60.5 90.7

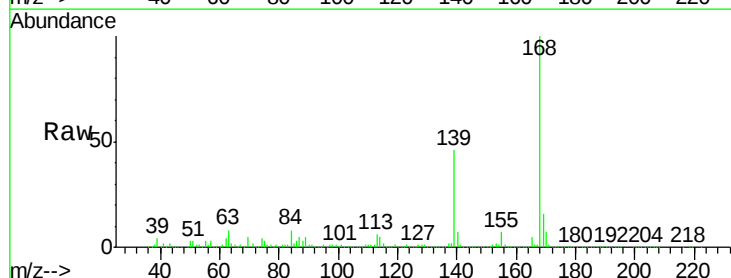


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

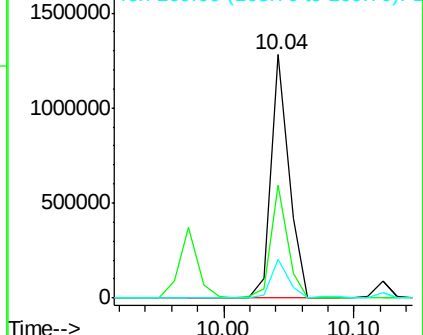
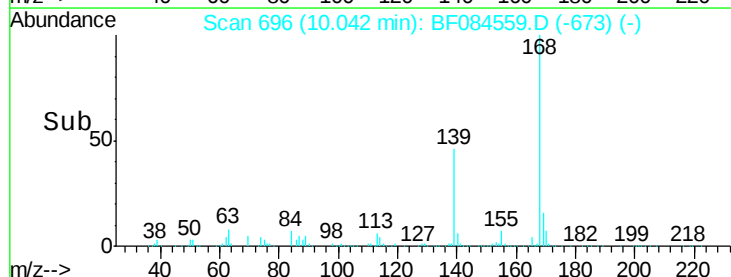


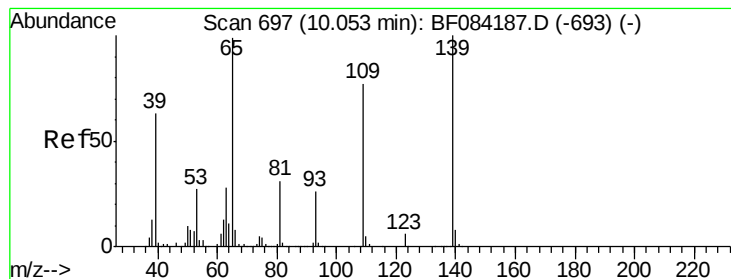
#54
Dibenzofuran
Concen: 43.50 ng
RT: 10.04 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion:168 Resp: 1238037
Ion Ratio Lower Upper
168 100
139 46.2 30.5 45.7#
169 15.7 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: 74.69 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

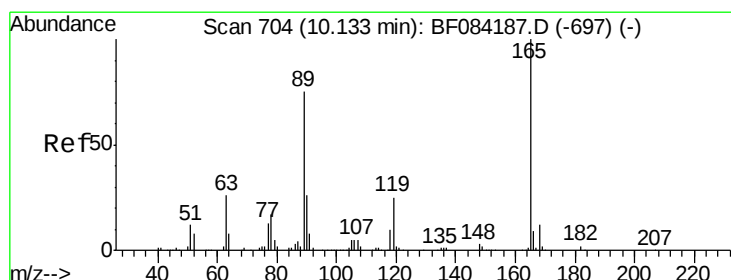
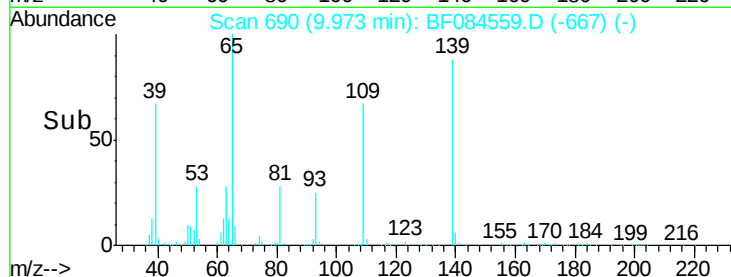
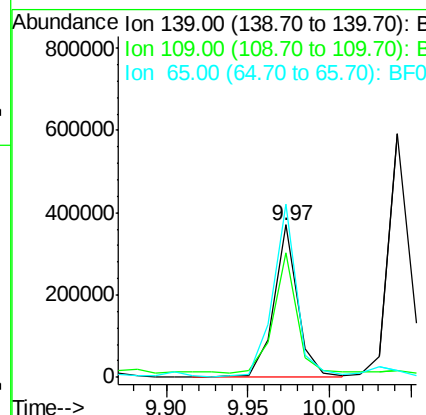
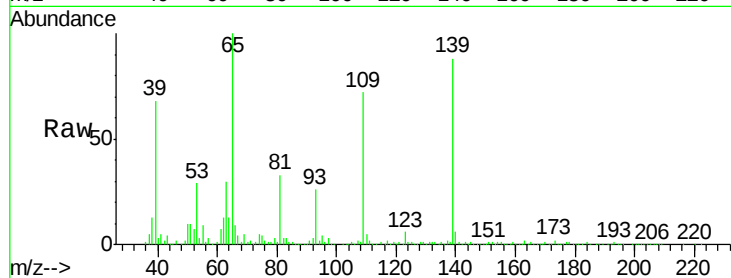
Tgt Ion:139 Resp: 373342

Ion Ratio Lower Upper

139 100

109 81.9 58.5 98.5

65 114.0 57.6 97.6#



#56

2,4-Dinitrotoluene

Concen: 46.44 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion:165 Resp: 326600

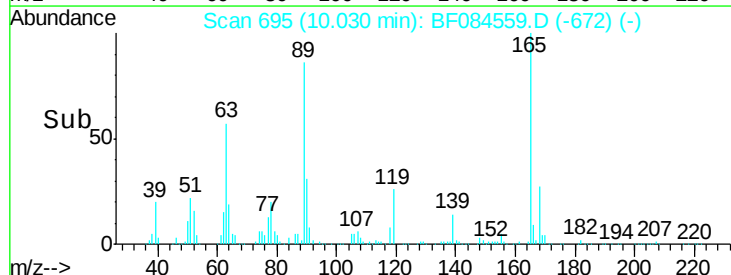
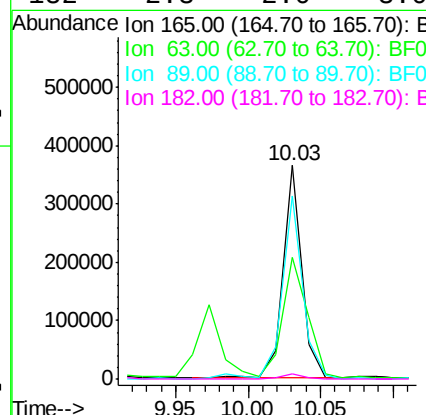
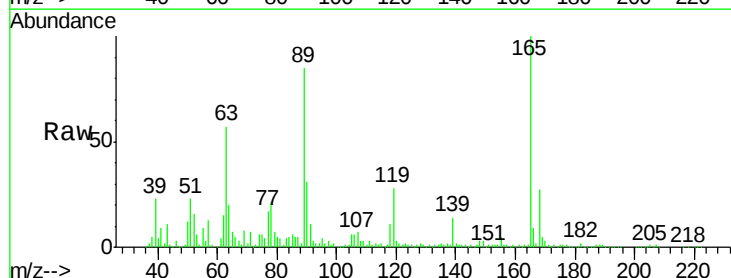
Ion Ratio Lower Upper

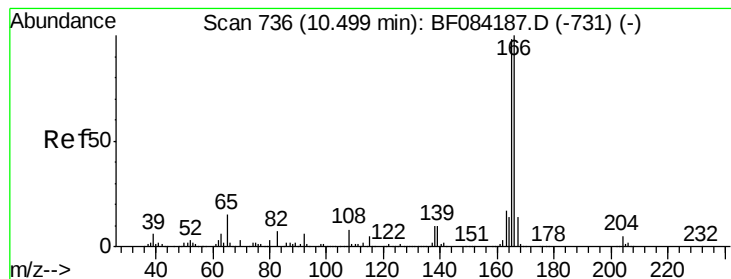
165 100

63 57.2 36.7 55.1#

89 85.5 61.9 92.9

182 2.3 2.0 3.0





#57

Fluorene

Concen: 43.62 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

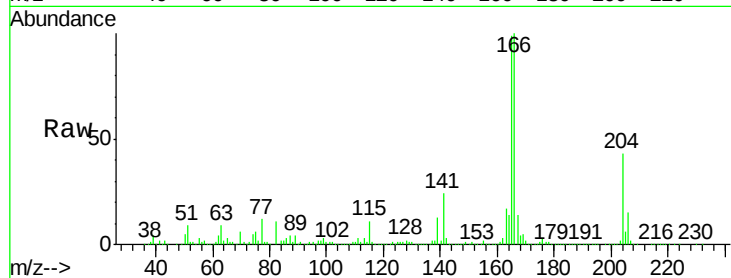
Tgt Ion:166 Resp: 959408

Ion Ratio Lower Upper

166 100

165 99.2 79.1 118.7

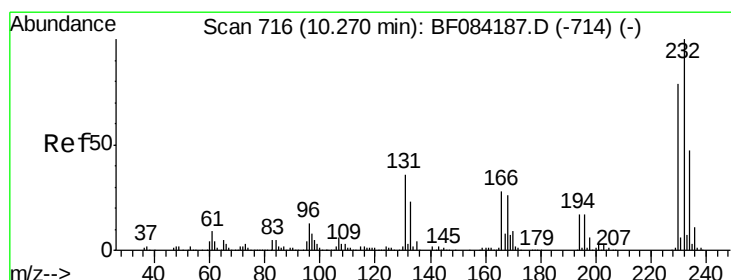
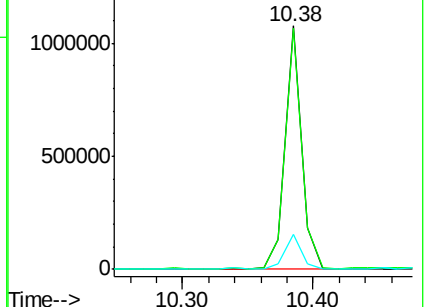
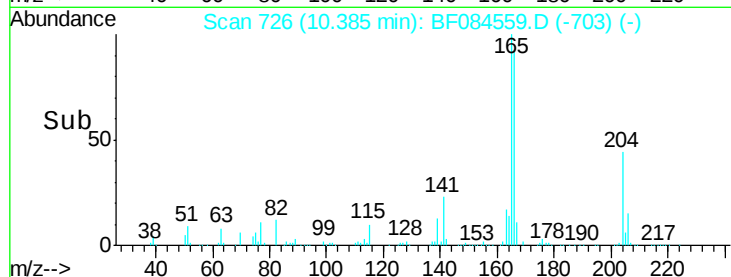
167 14.2 10.4 15.6



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: 47.84 ng

RT: 10.17 min Scan# 707

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion:232 Resp: 298503

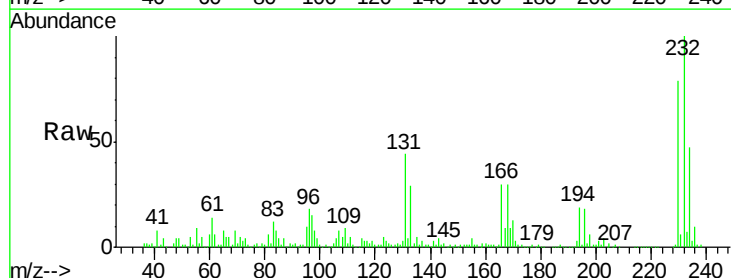
Ion Ratio Lower Upper

232 100

131 51.3 47.0 70.6

130 3.0 2.0 3.0

166 32.2 30.5 45.7

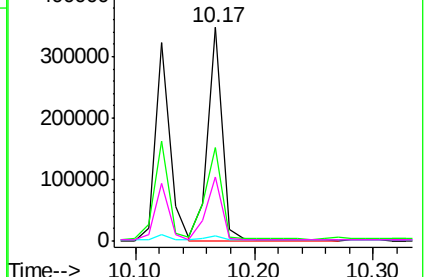
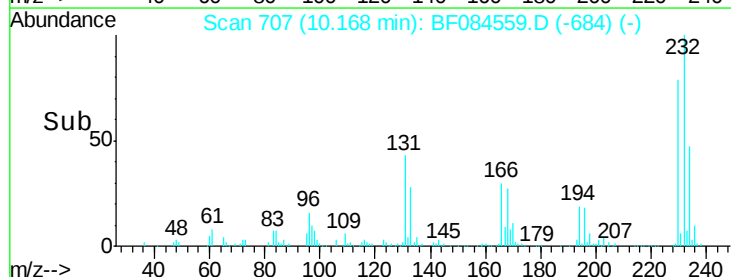


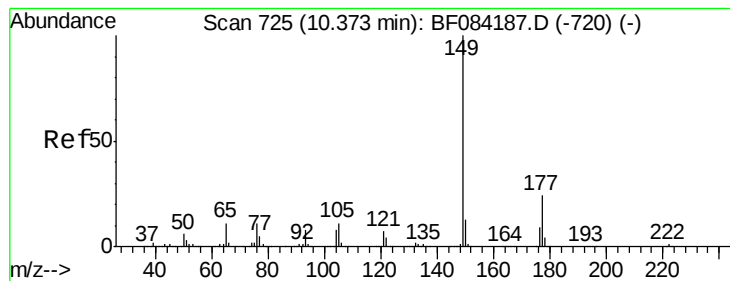
Abundance Ion 232.00 (231.70 to 232.70): E

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: 49.38 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

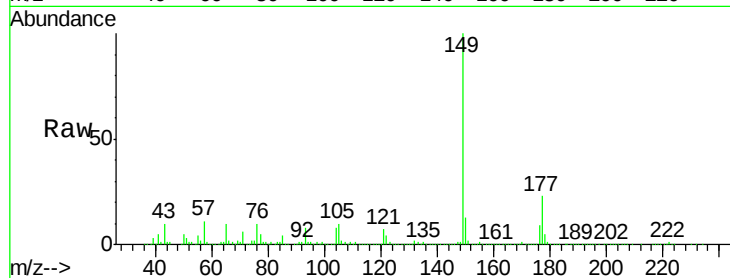
Tgt Ion:149 Resp: 1233710

Ion Ratio Lower Upper

149 100

177 22.6 17.3 25.9

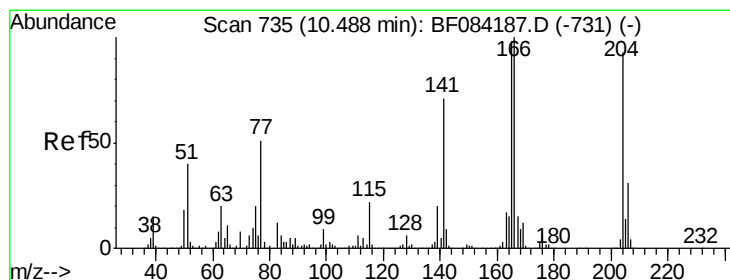
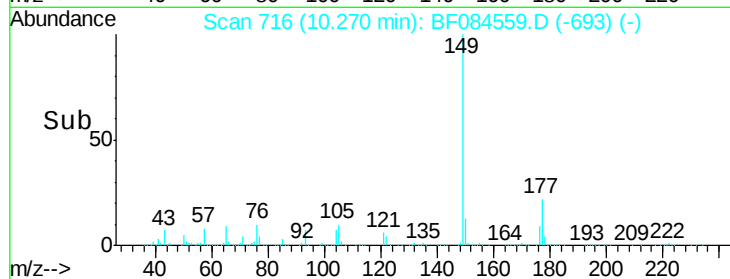
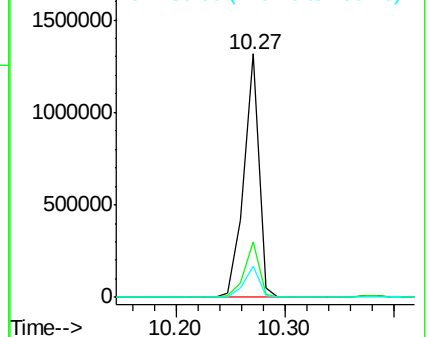
150 12.8 9.8 14.8



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: 54.97 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

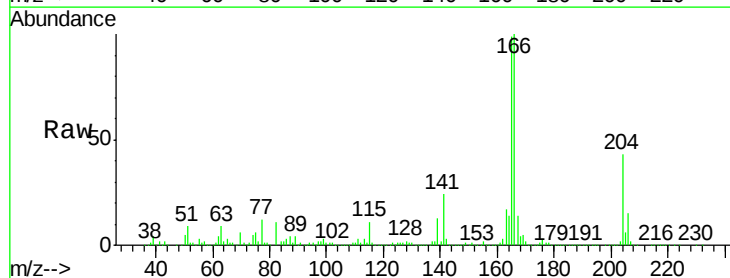
Tgt Ion:204 Resp: 493043

Ion Ratio Lower Upper

204 100

206 34.0 25.7 38.5

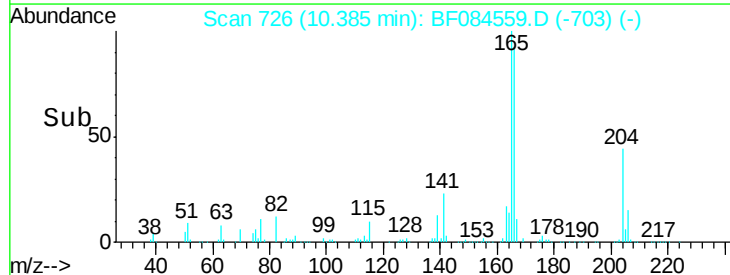
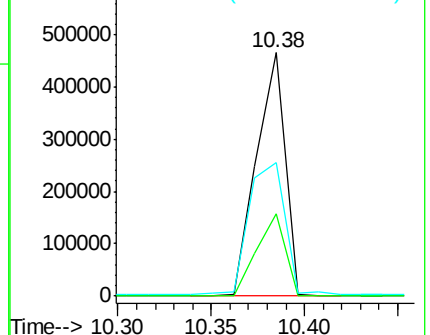
141 55.1 55.1 82.7#

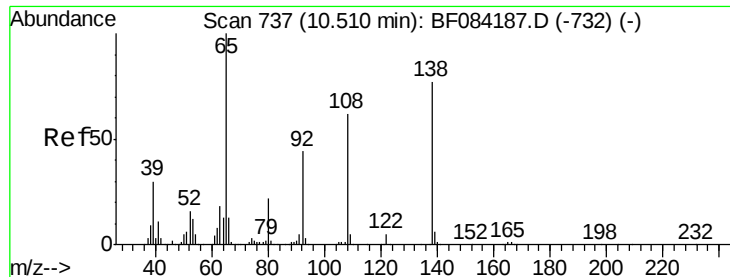


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

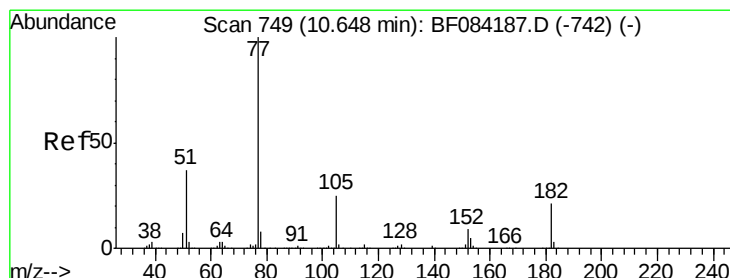
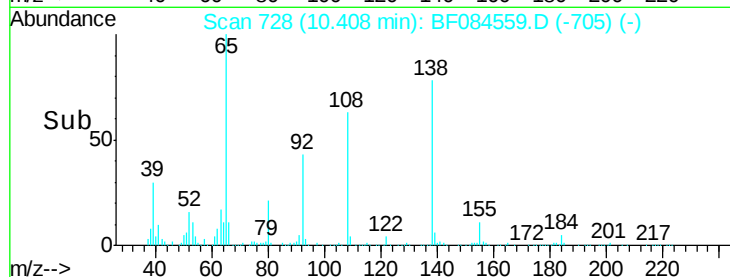
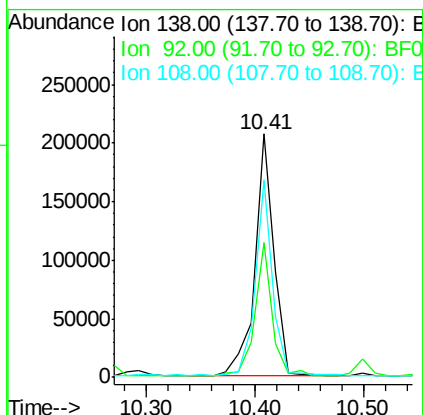
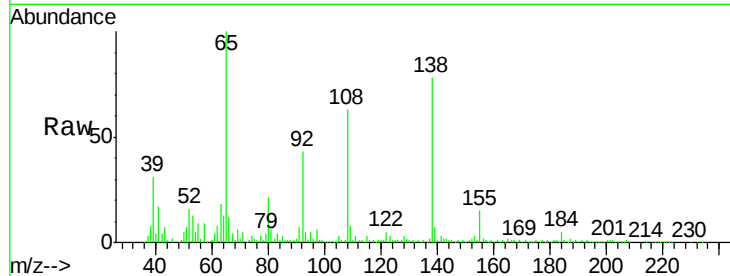




#61
4-Nitroaniline
Concen: 40.97 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

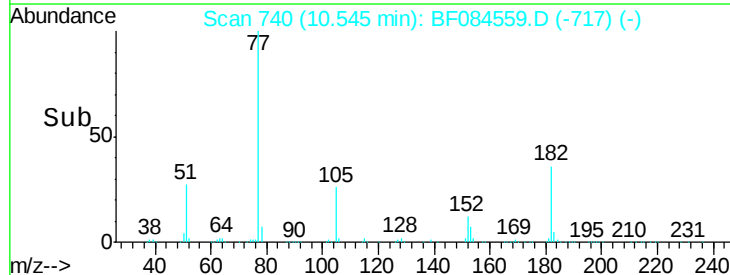
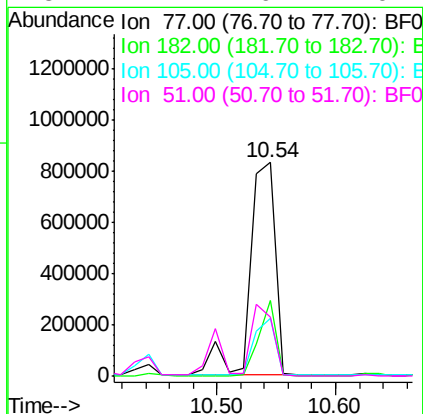
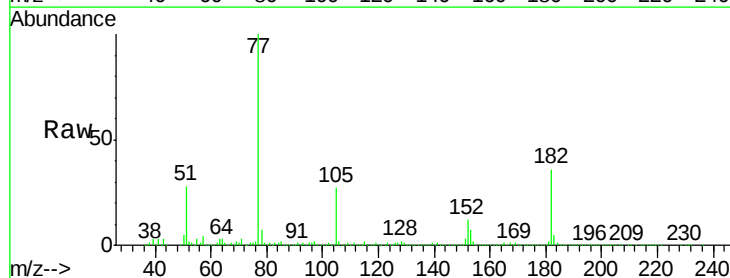
Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

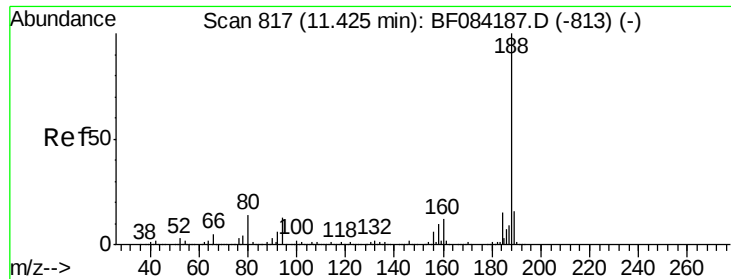
Tgt Ion:138 Resp: 251509
Ion Ratio Lower Upper
138 100
92 55.3 32.6 72.6
108 81.0 68.6 108.6



#62
Azobenzene
Concen: 45.37 ng
RT: 10.54 min Scan# 740
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion: 77 Resp: 1243081
Ion Ratio Lower Upper
77 100
182 35.5 8.3 48.3
105 27.1 4.6 44.6
51 27.7 6.2 46.2

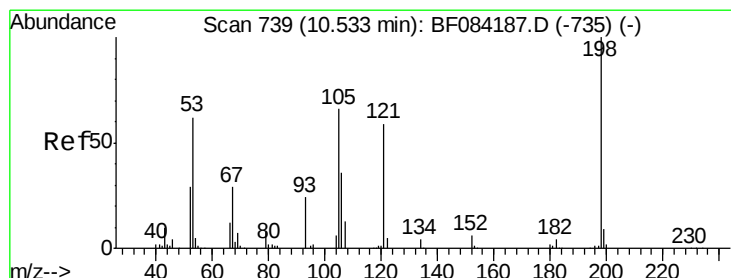
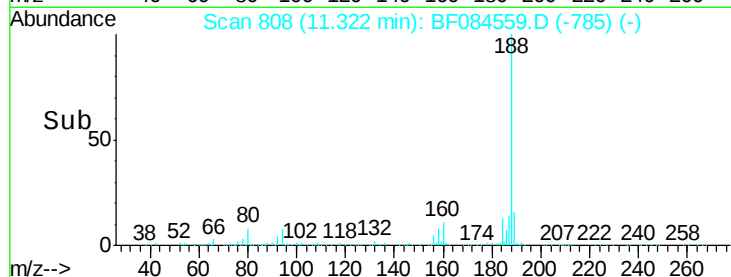
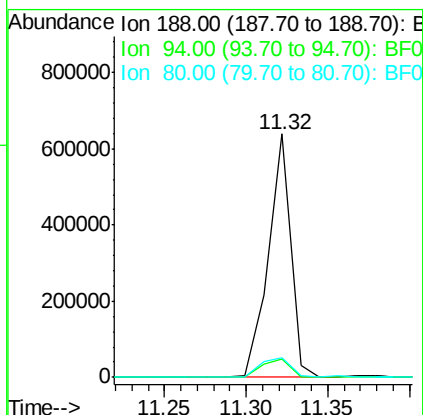
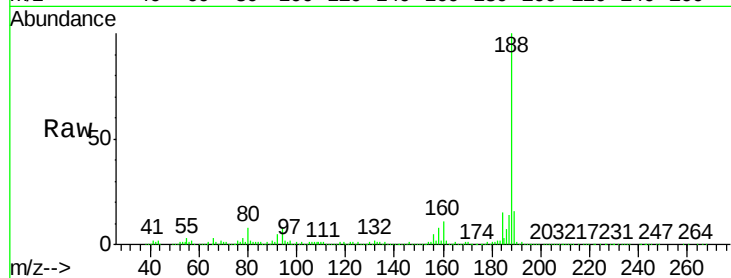




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

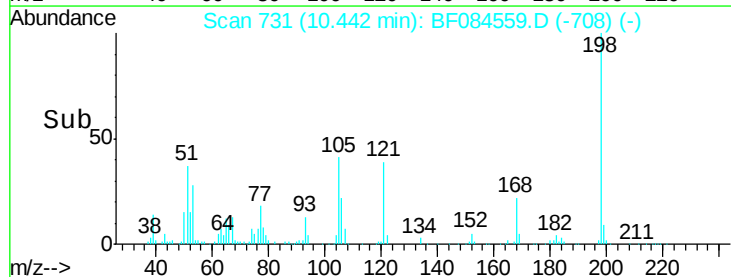
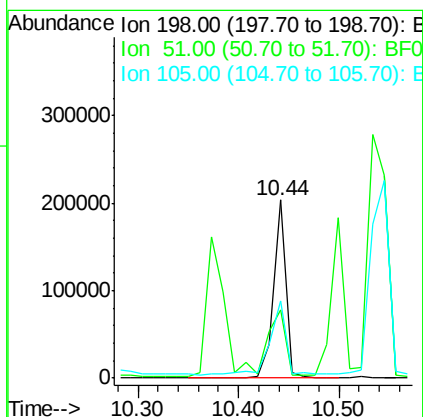
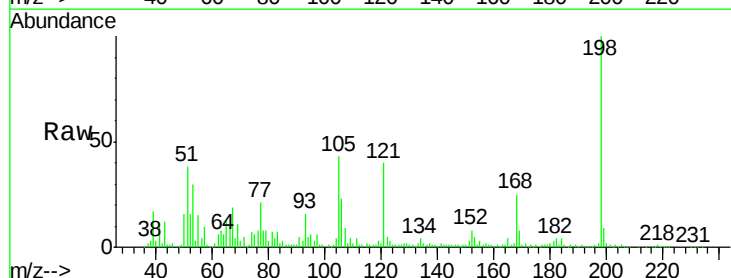
Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

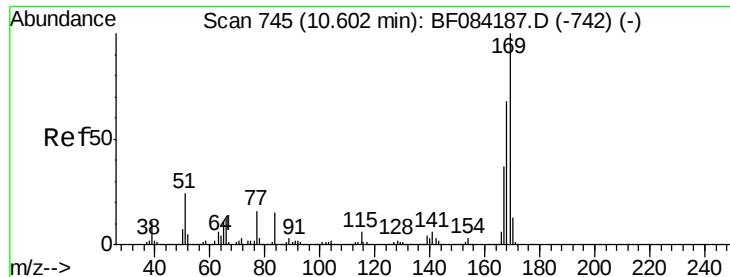
Tgt Ion:188 Resp: 609412
Ion Ratio Lower Upper
188 100
94 7.8 9.0 13.4#
80 8.0 9.6 14.4#



#64
4,6-Dinitro-2-methylphenol
Concen: 47.66 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion:198 Resp: 176018
Ion Ratio Lower Upper
198 100
51 38.1 18.9 58.9
105 43.0 26.4 66.4

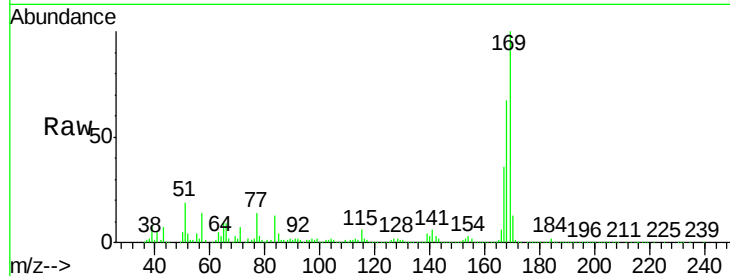




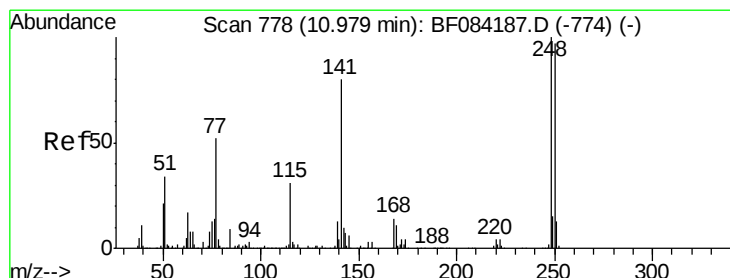
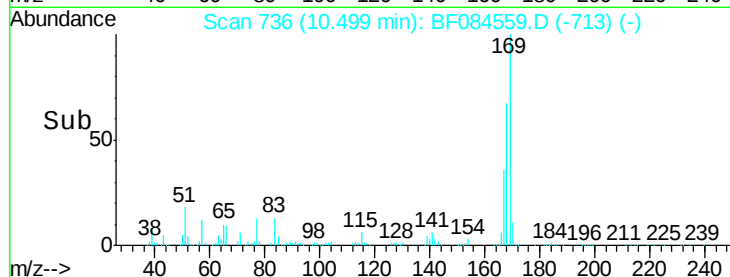
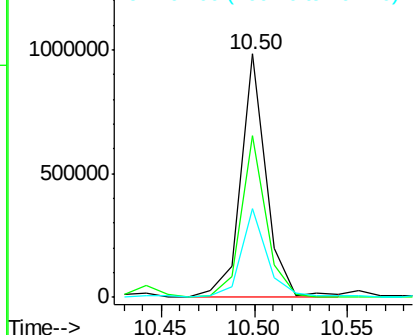
#65
 n-Nitrosodiphenylamine
 Concen: 47.40 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.7	55.1	82.7
167	36.2	30.0	45.0

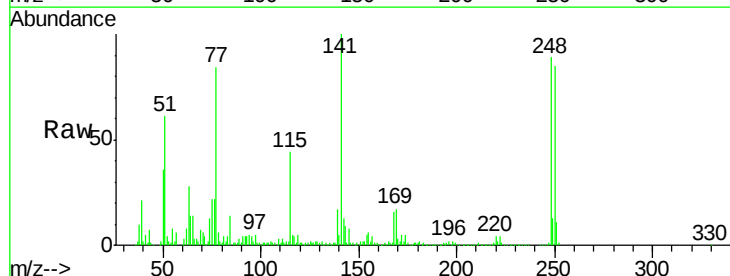


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

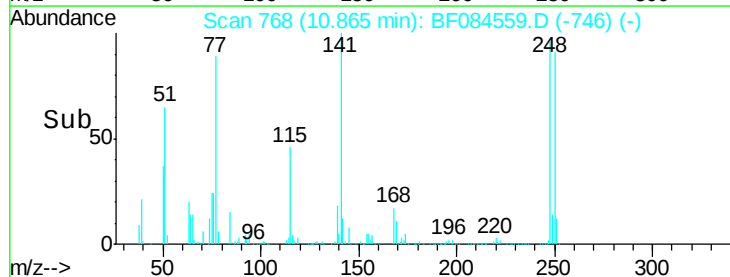
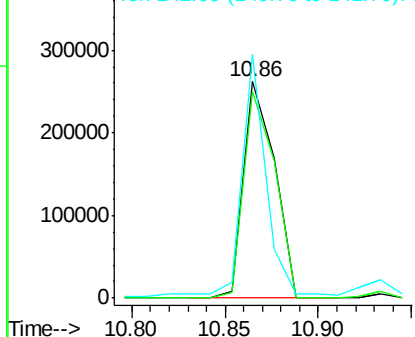


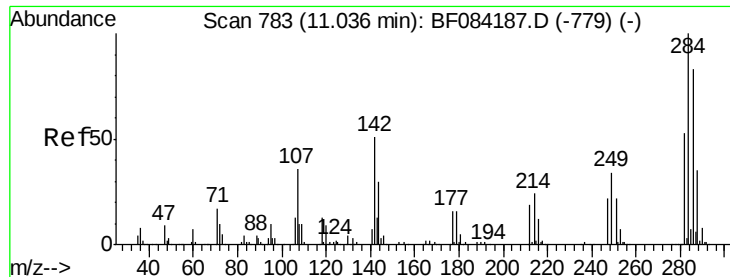
#66
 4-Bromophenyl-phenylether
 Concen: 45.92 ng
 RT: 10.86 min Scan# 768
 Delta R.T. -0.05 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.7	78.4	117.6
141	112.5	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: 44.07 ng

RT: 10.93 min Scan# 774

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

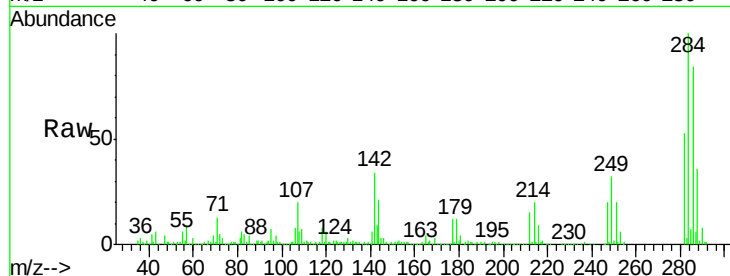
Tgt Ion:284 Resp: 325384

Ion Ratio Lower Upper

284 100

142 33.6 22.2 33.4#

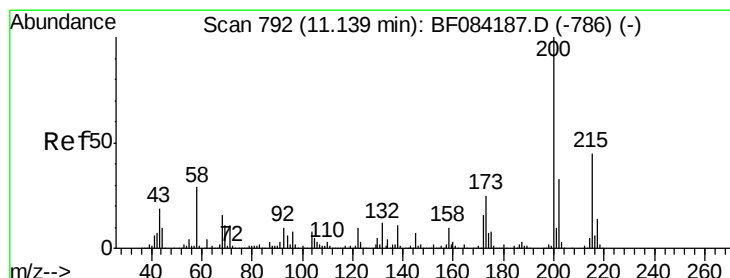
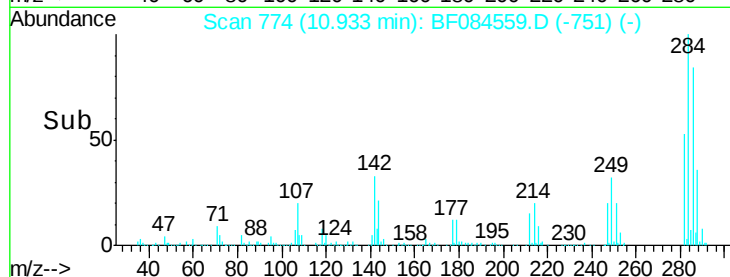
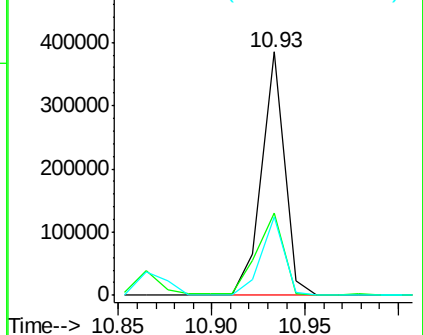
249 32.3 24.6 37.0



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: 46.76 ng

RT: 11.04 min Scan# 783

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

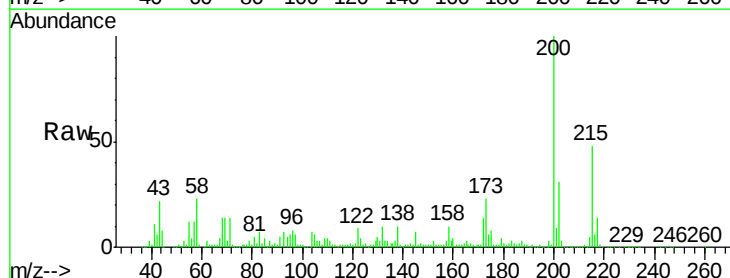
Tgt Ion:200 Resp: 298176

Ion Ratio Lower Upper

200 100

173 22.5 9.5 49.5

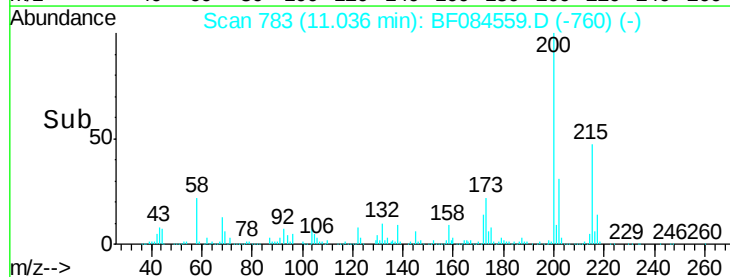
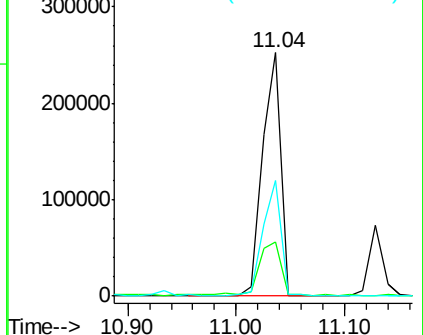
215 47.6 23.8 63.8



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: 79.11 ng

RT: 11.13 min Scan# 791

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

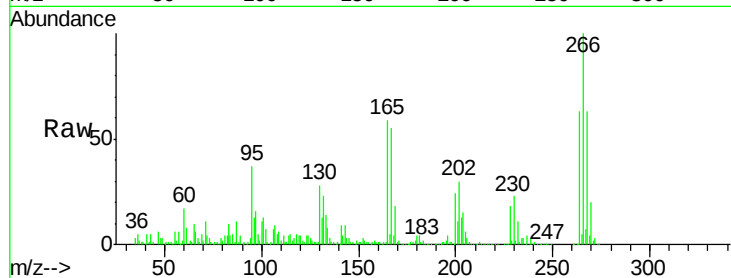
Tgt Ion:266 Resp: 302828

Ion Ratio Lower Upper

266 100

268 62.7 52.4 78.6

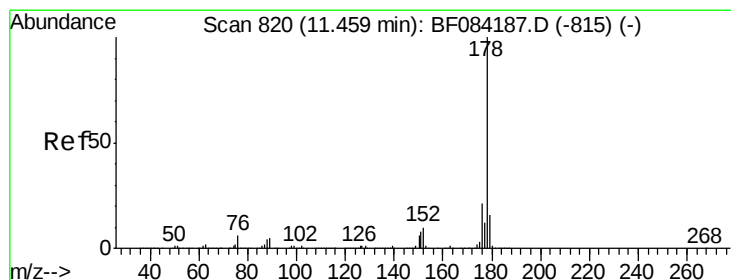
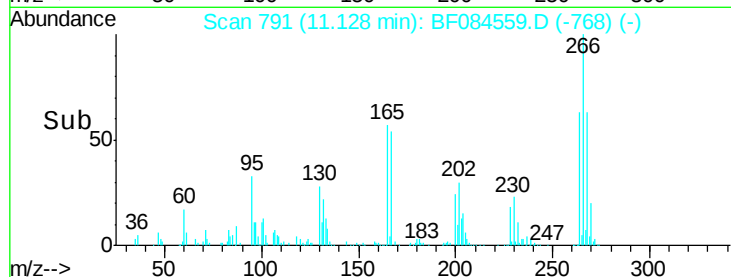
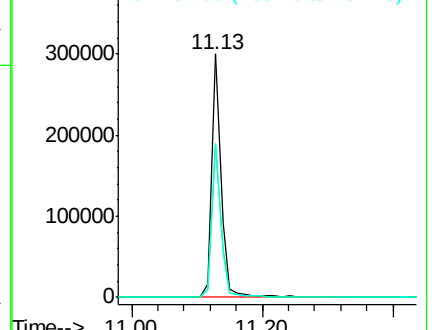
264 63.2 50.2 75.2



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: 45.72 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

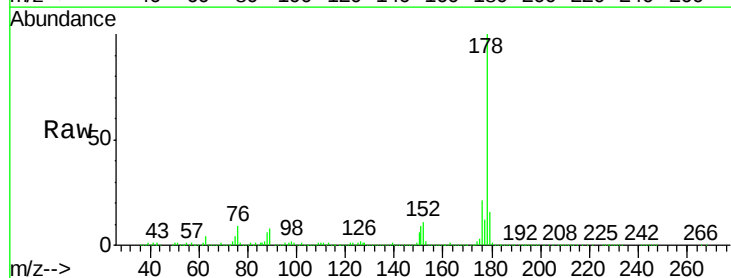
Tgt Ion:178 Resp: 1457436

Ion Ratio Lower Upper

178 100

176 20.8 15.3 22.9

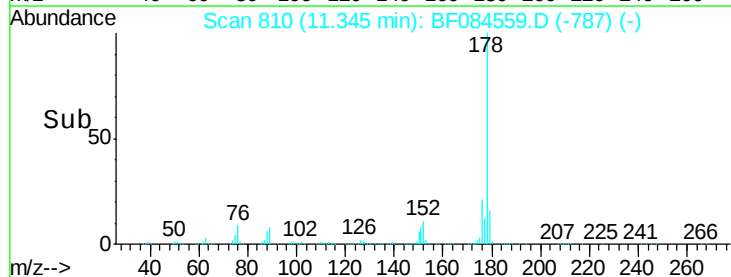
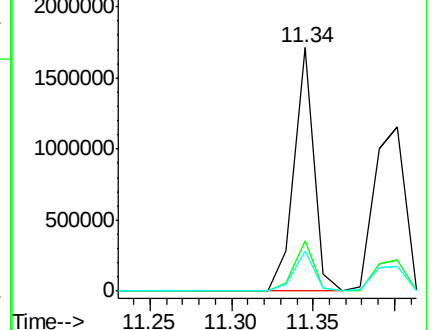
179 16.2 12.0 18.0

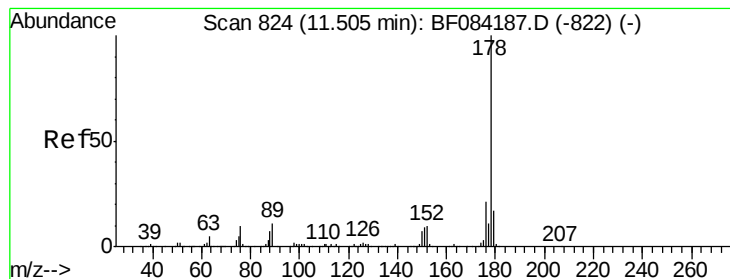


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 48.64 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

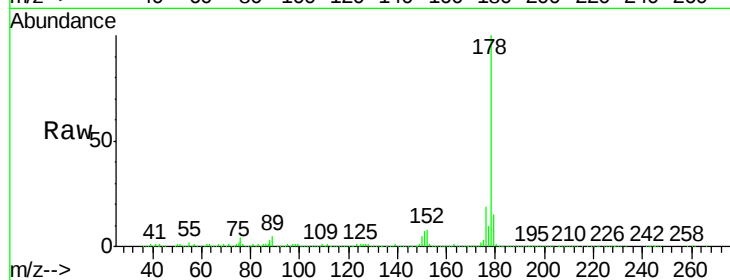
Tgt Ion:178 Resp: 1520036

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

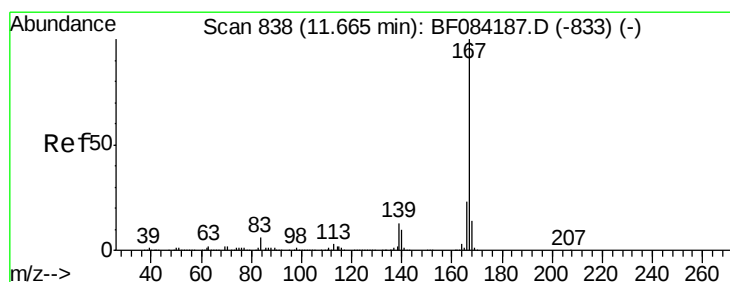
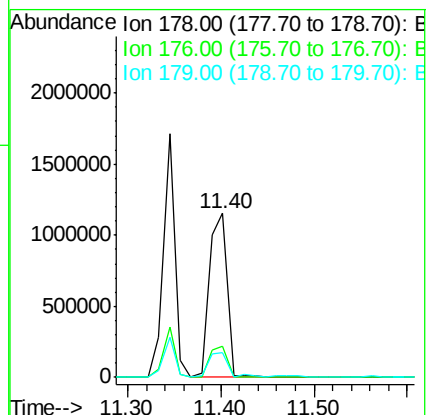
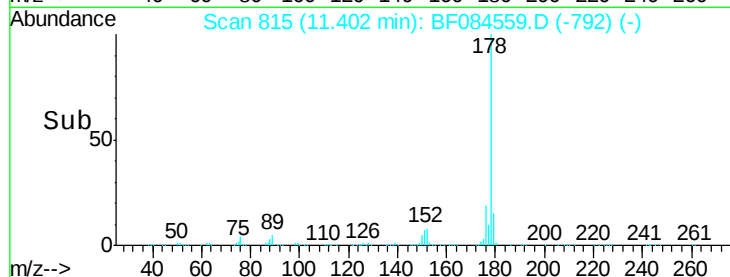
179 15.3 12.5 18.7



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: 38.52 ng

RT: 11.55 min Scan# 828

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

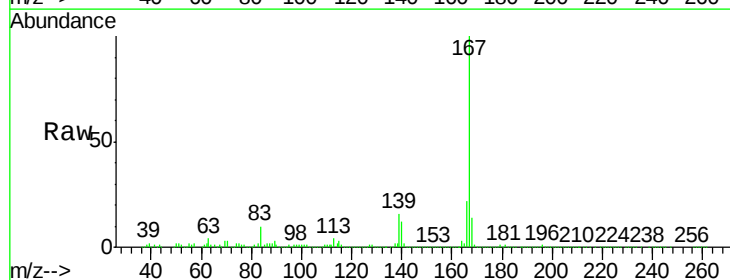
Tgt Ion:167 Resp: 1176792

Ion Ratio Lower Upper

167 100

166 22.4 17.6 26.4

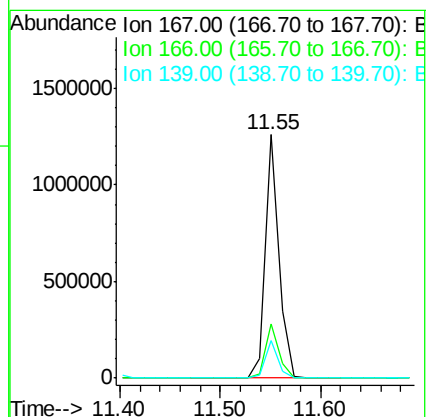
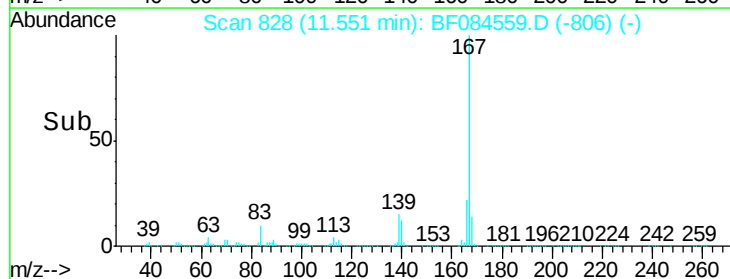
139 15.6 11.8 17.8

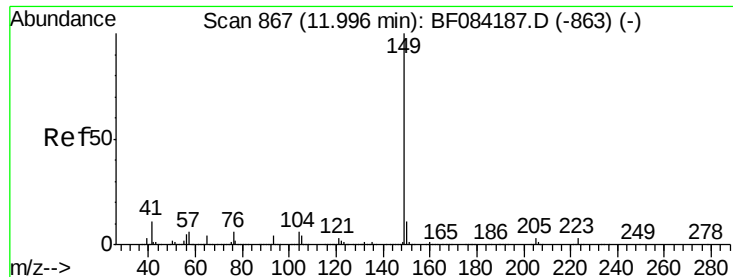


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 54.44 ng

RT: 11.89 min Scan# 858

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

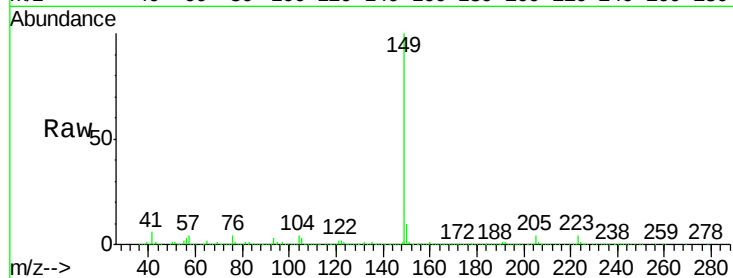
Tgt Ion:149 Resp: 1677969

Ion Ratio Lower Upper

149 100

150 9.5 7.1 10.7

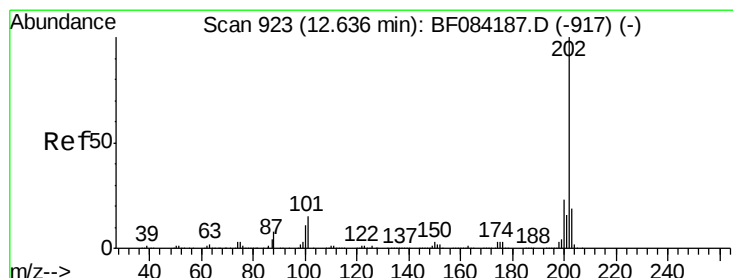
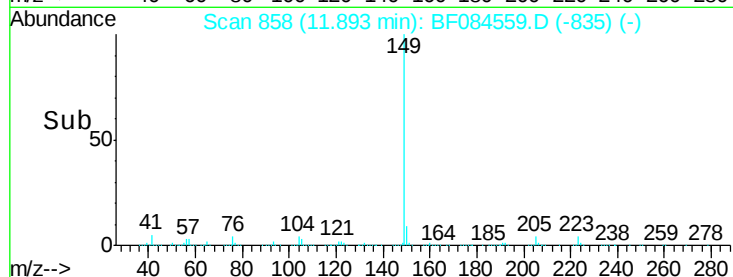
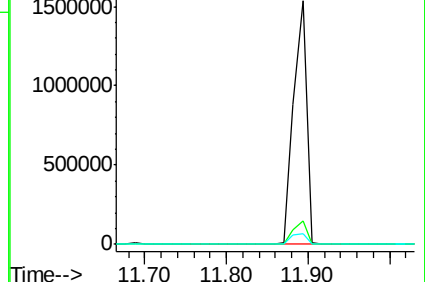
104 4.3 3.2 4.8



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: 45.77 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

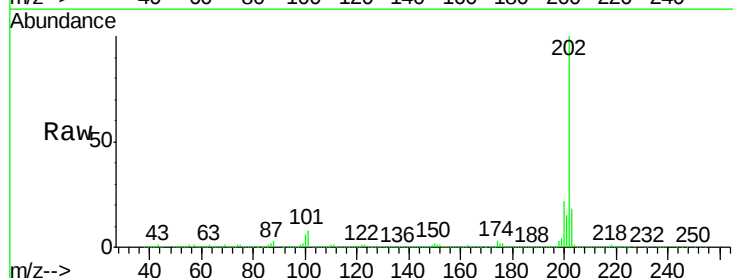
Tgt Ion:202 Resp: 1524198

Ion Ratio Lower Upper

202 100

101 7.6 0.0 32.8

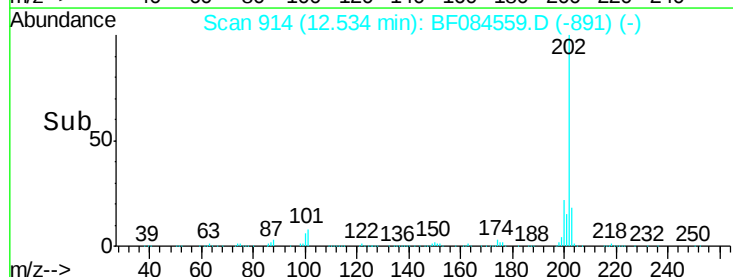
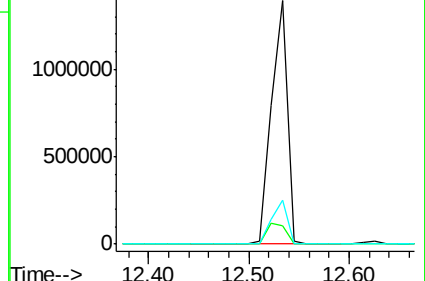
203 18.1 0.0 37.9

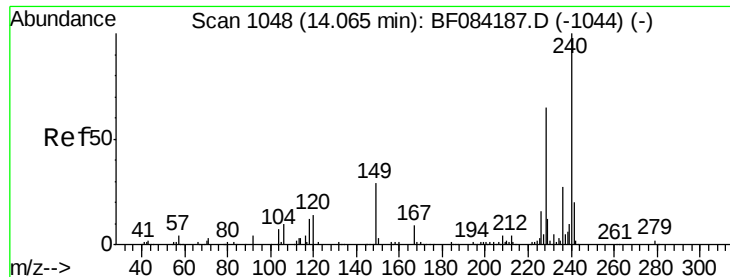


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.95 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

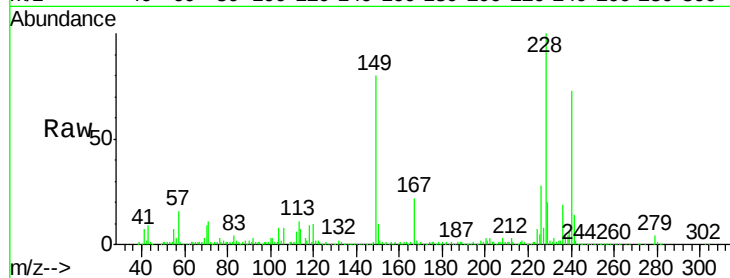
Tgt Ion:240 Resp: 365601

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

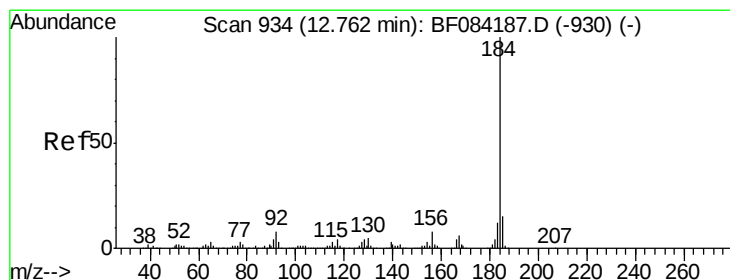
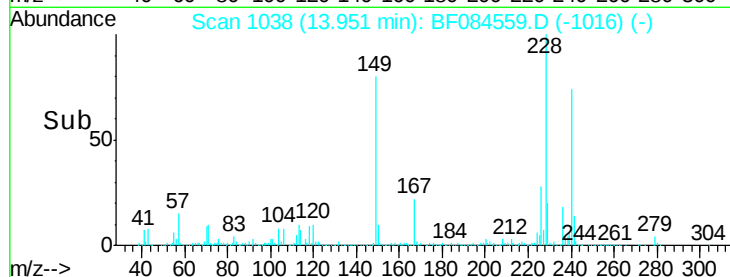
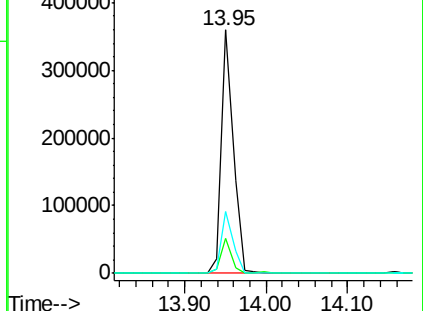
236 25.4 20.6 31.0



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: 5.58 ng

RT: 12.66 min Scan# 925

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

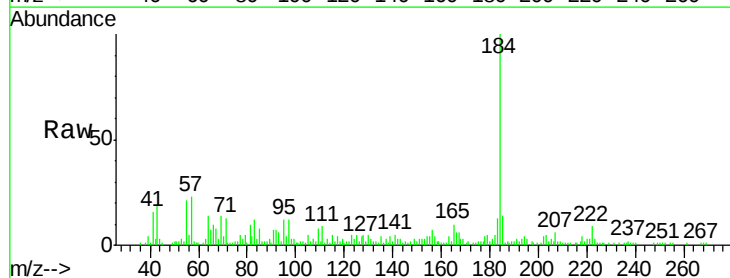
Tgt Ion:184 Resp: 73122

Ion Ratio Lower Upper

184 100

185 14.3 12.2 18.2

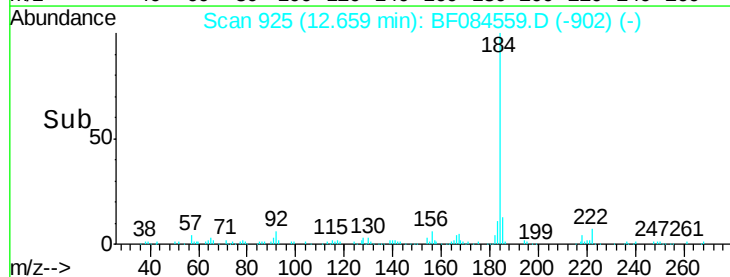
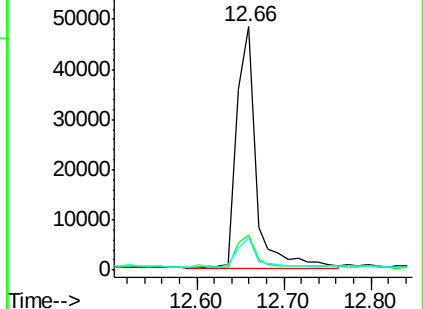
183 13.1 9.8 14.8

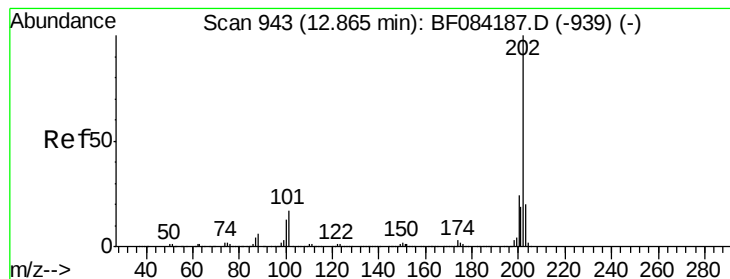


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 51.12 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

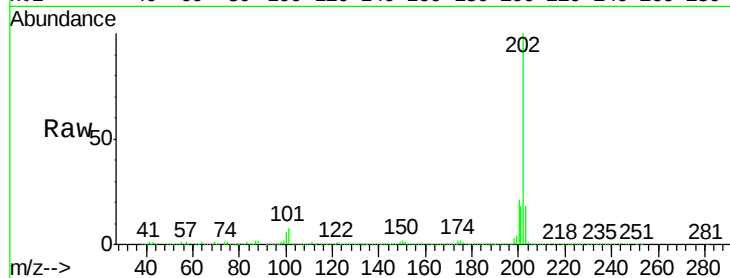
Tgt Ion:202 Resp: 1466675

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

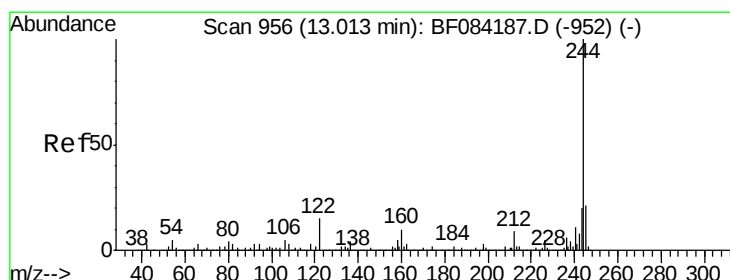
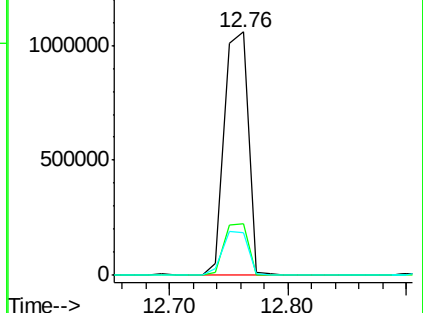
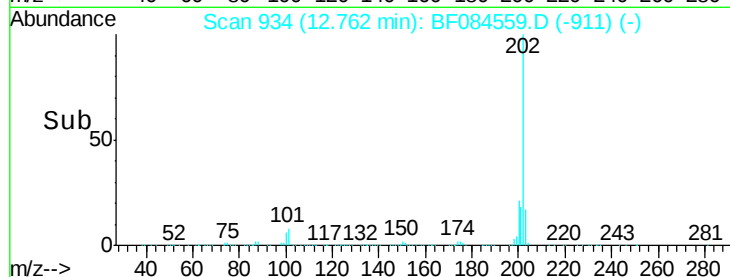
203 17.6 14.3 21.5



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: 77.83 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

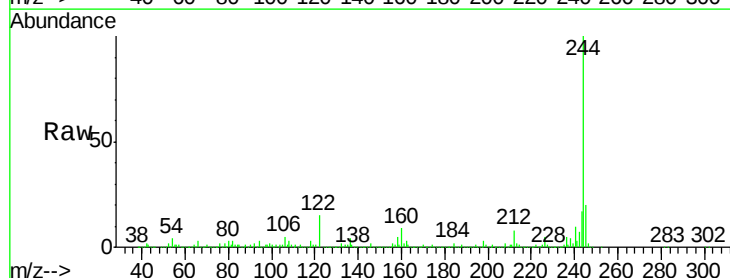
Tgt Ion:244 Resp: 1274672

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

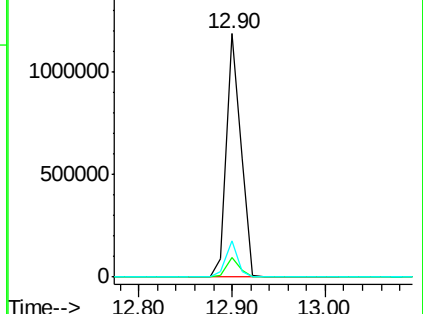
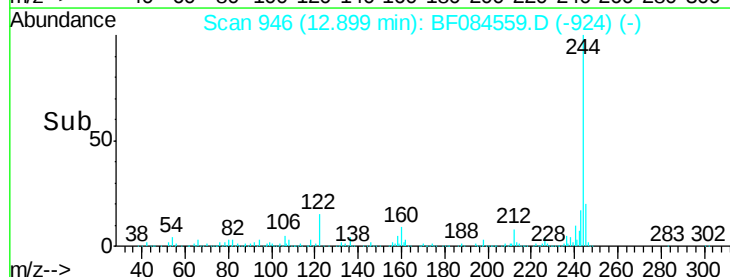
122 15.0 7.4 11.0#

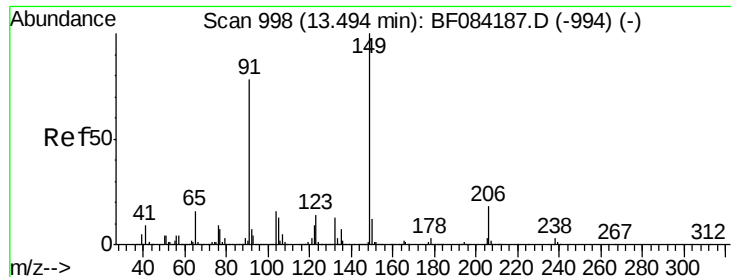


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

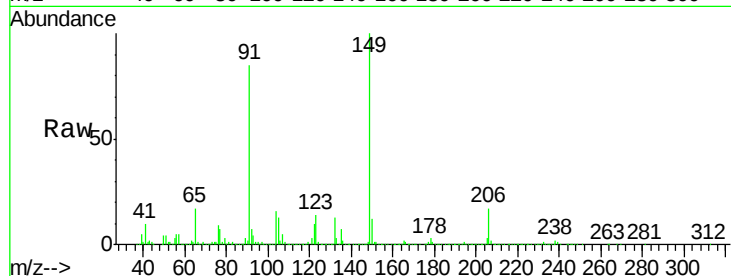




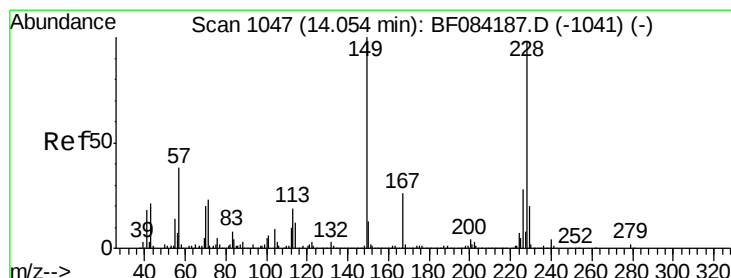
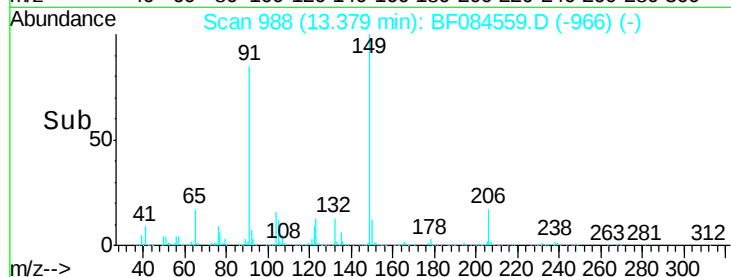
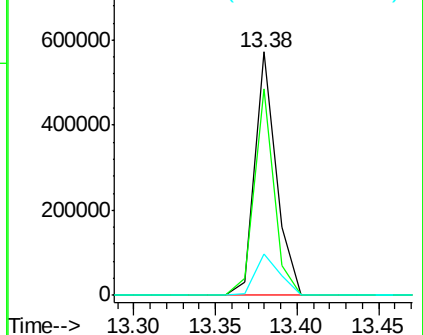
#79
Butylbenzylphthalate
Concen: 42.17 ng
RT: 13.38 min Scan# 988
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tgt Ion:149 Resp: 523548
Ion Ratio Lower Upper
149 100
91 84.8 57.6 86.4
206 16.8 13.2 19.8

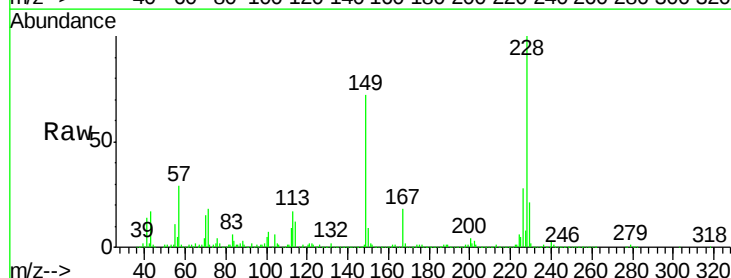


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

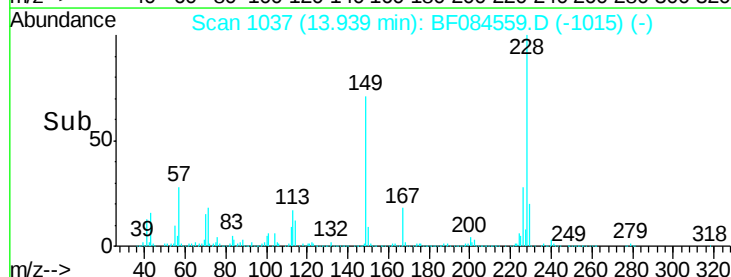
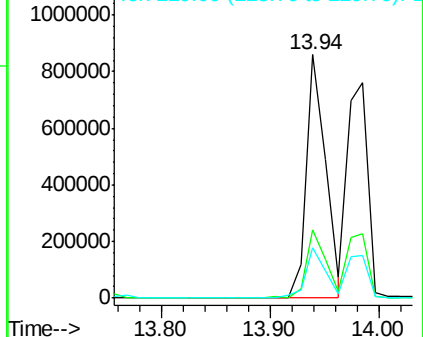


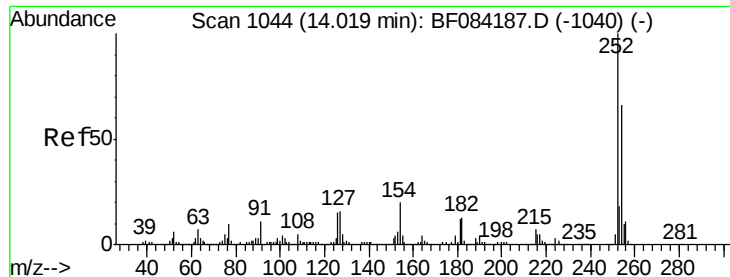
#80
Benzo(a)anthracene
Concen: 49.31 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion:228 Resp: 1058559
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.6
229 20.6 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

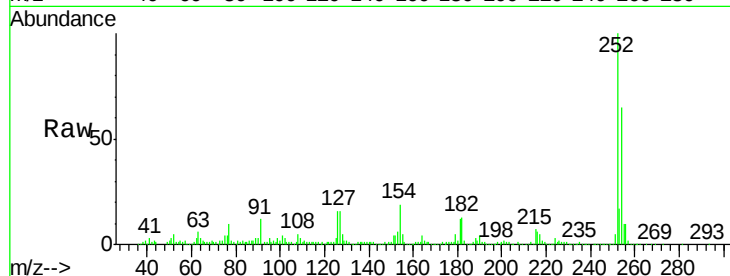




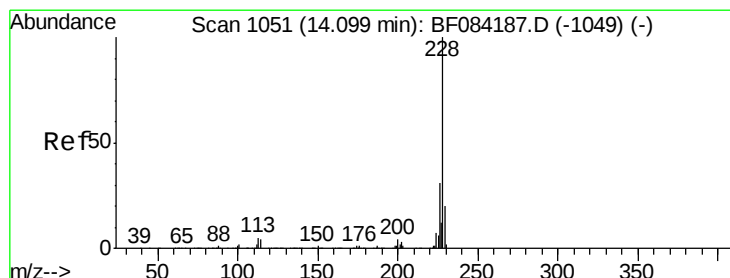
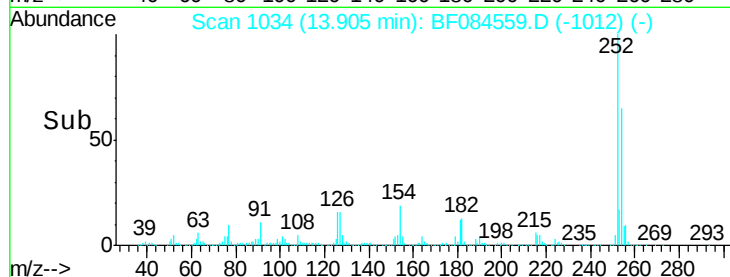
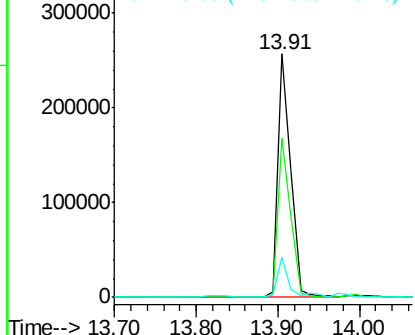
#81
 3,3'-Dichlorobenzidine
 Concen: 37.89 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.05 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Tgt Ion:252 Resp: 283841
 Ion Ratio Lower Upper
 252 100
 254 65.5 53.5 80.3
 126 16.3 4.9 7.3#

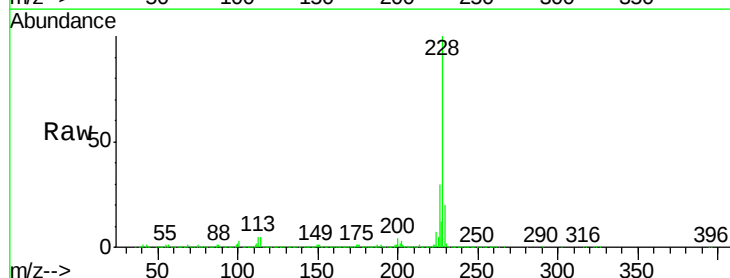


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

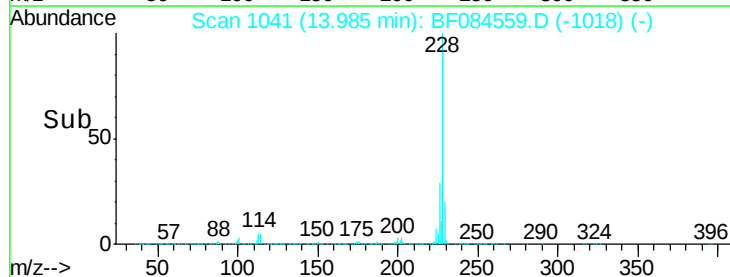
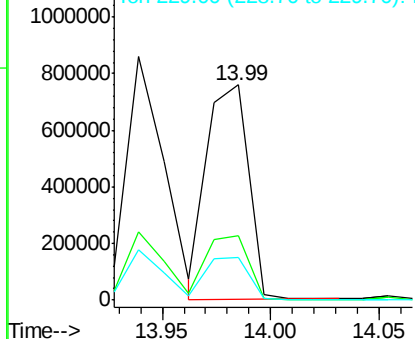


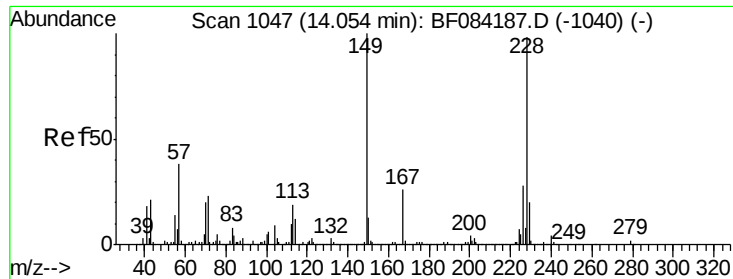
#82
 Chrysene
 Concen: 48.95 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion:228 Resp: 1009759
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.3 36.5
 229 19.8 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

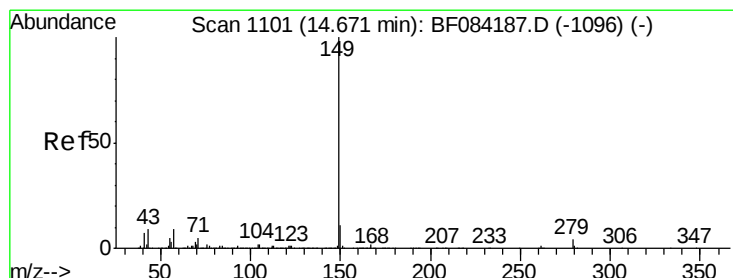
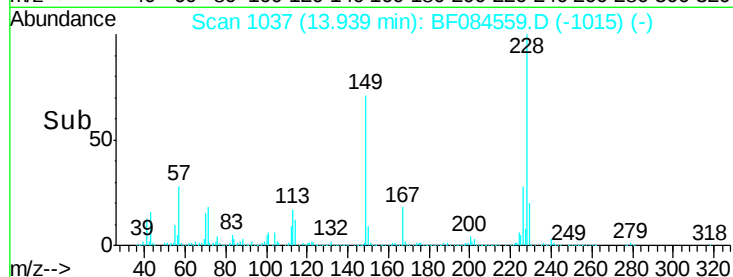
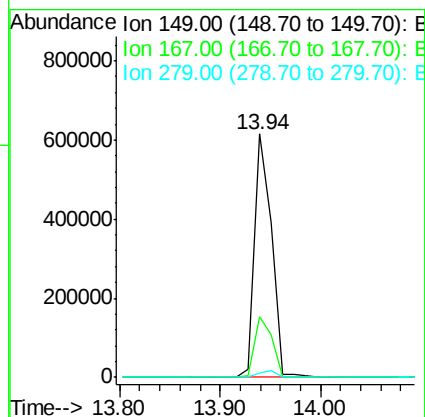
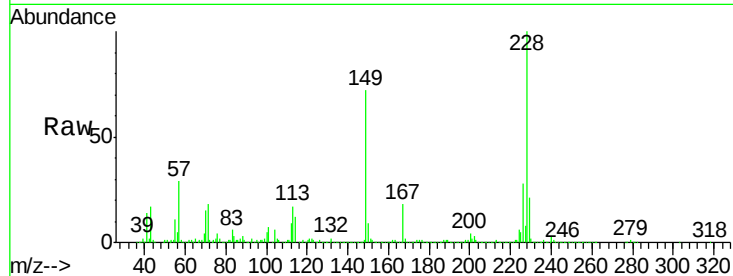




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.58 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.05 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

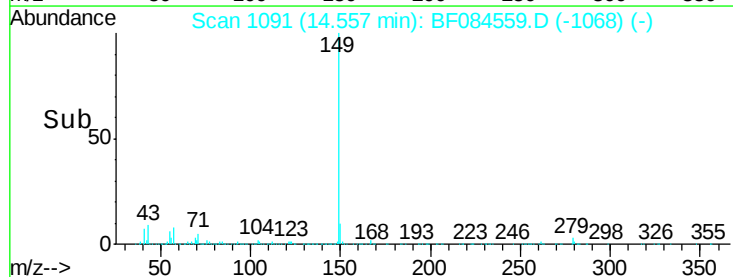
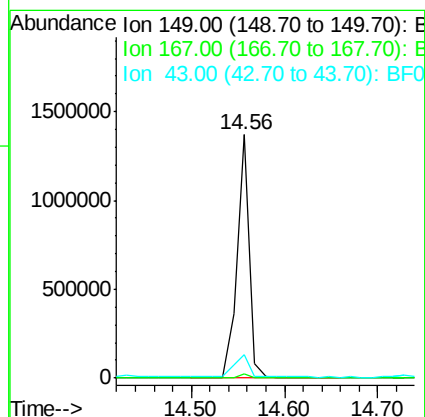
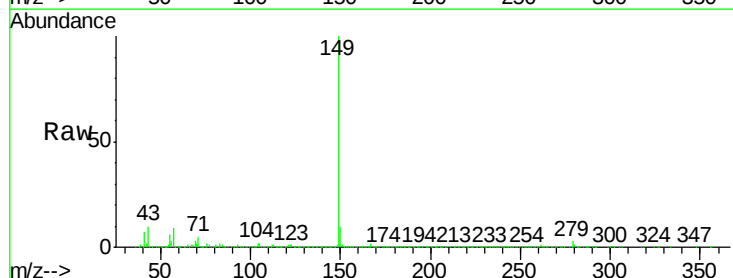
Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

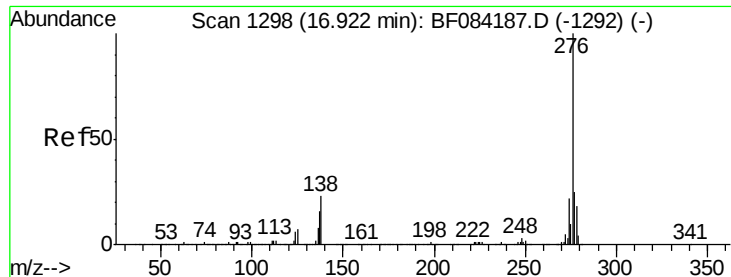
Tgt Ion:149 Resp: 714940
 Ion Ratio Lower Upper
 149 100
 167 24.8 19.7 29.5
 279 1.9 1.8 2.6



#84
 Di-n-octyl phthalate
 Concen: 47.31 ng
 RT: 14.56 min Scan# 1091
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion:149 Resp: 1252817
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 12.0 5.6 8.4#

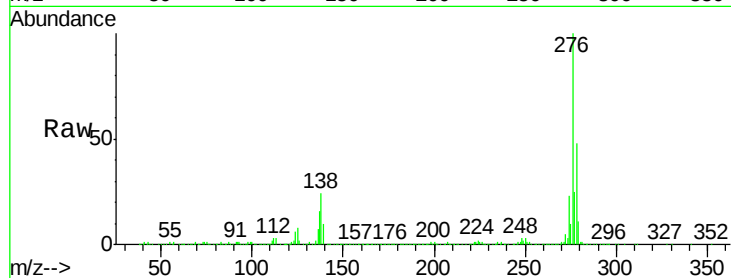




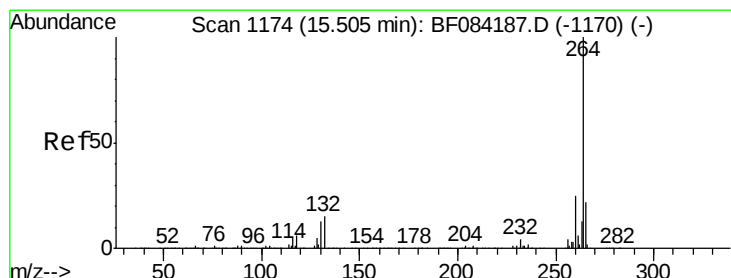
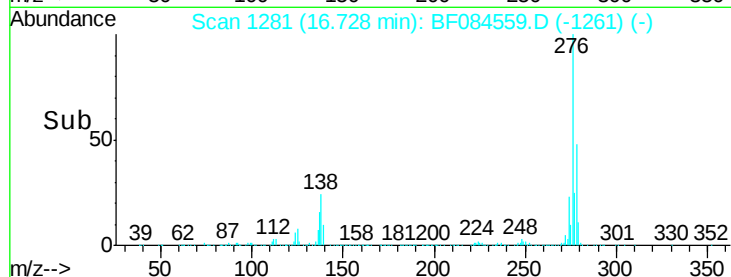
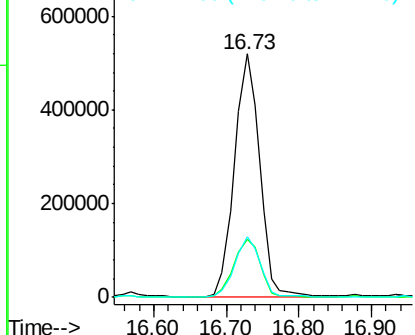
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 76.91 ng
 RT: 16.73 min Scan# 1281
 Delta R.T. -0.07 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Tgt Ion:276 Resp: 1257609
 Ion Ratio Lower Upper
 276 100
 138 25.4 20.6 30.8
 277 25.0 20.1 30.1

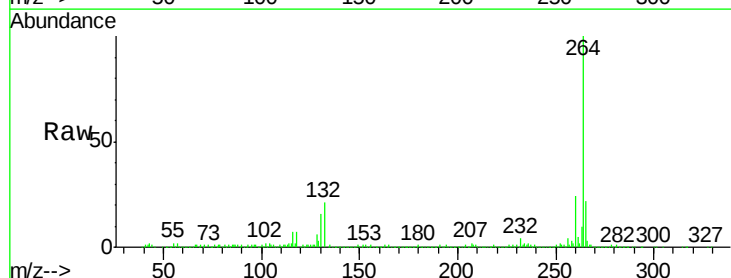


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

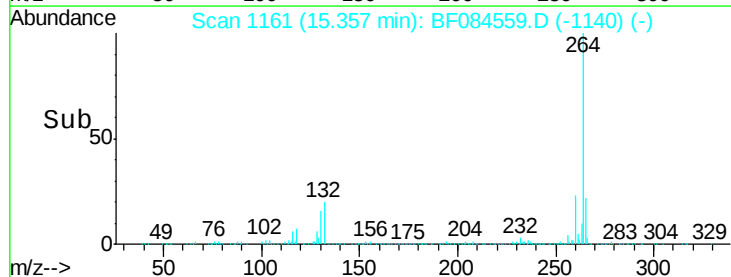
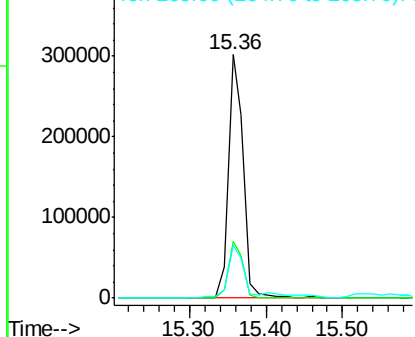


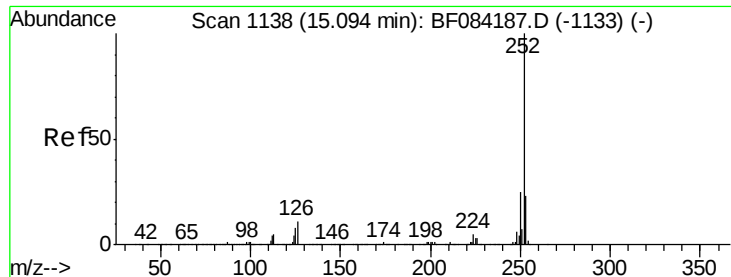
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. -0.06 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion:264 Resp: 414923
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 21.8 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

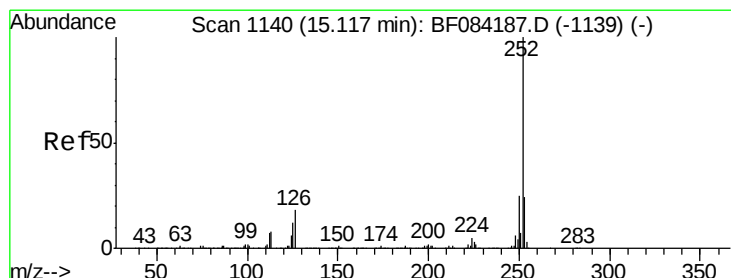
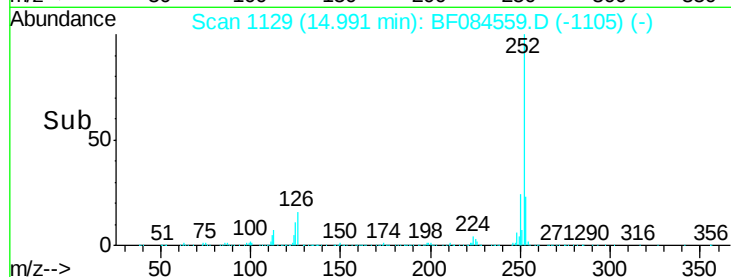
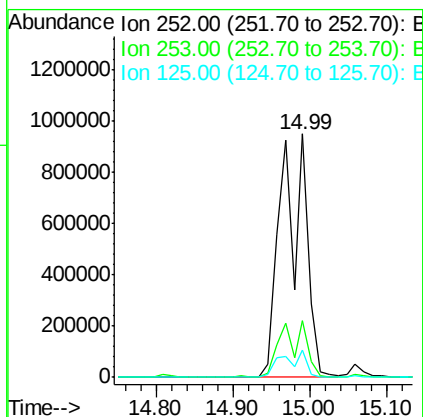
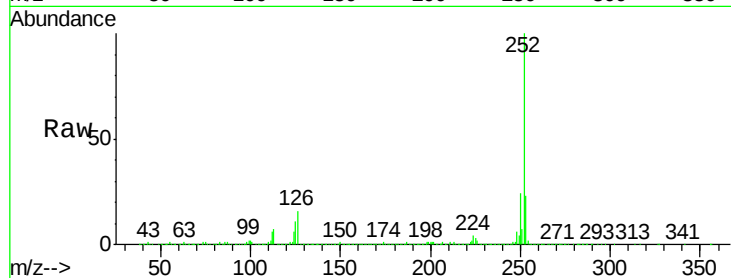




#87
 Benzo(b)fluoranthene
 Concen: 79.46 ng
 RT: 14.99 min Scan# 1129
 Delta R.T. -0.02 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

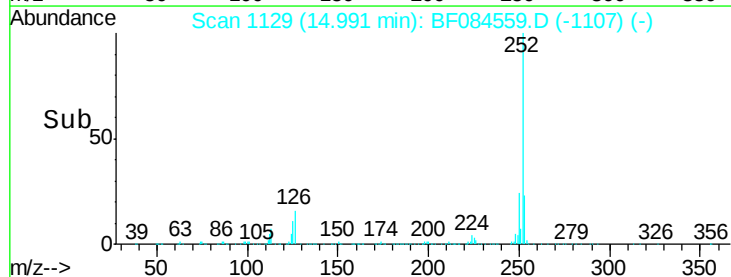
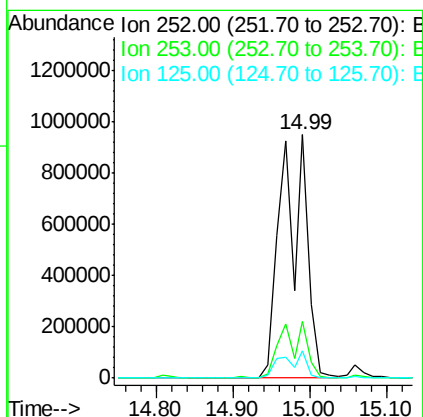
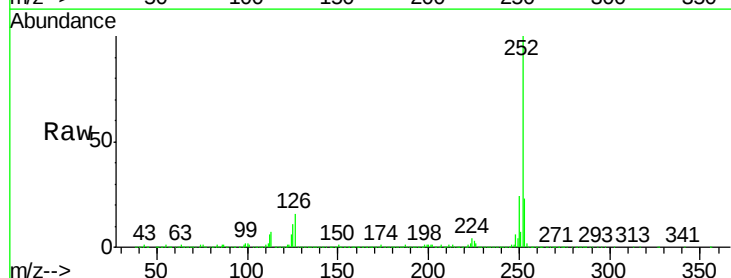
Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

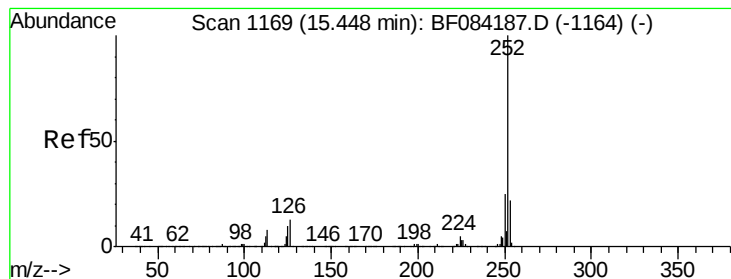
Tgt Ion:252 Resp: 2156667
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.3 25.9
 125 11.1 6.5 9.7#



#88
 Benzo(k)fluoranthene
 Concen: 97.16 ng
 RT: 14.99 min Scan# 1129
 Delta R.T. -0.05 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion:252 Resp: 2156667
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.1 27.1
 125 11.1 9.0 13.6





#89

Benzo(a)pyrene

Concen: 47.44 ng

RT: 15.31 min Scan# 1157

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

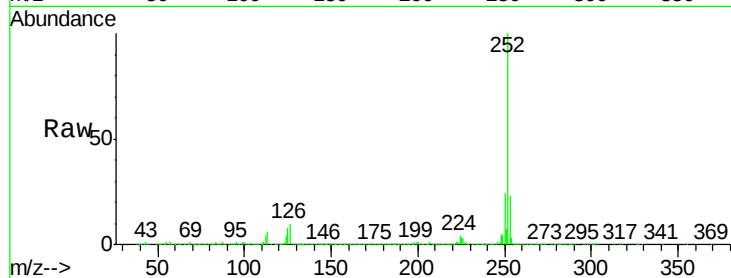
Tgt Ion:252 Resp: 1092078

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

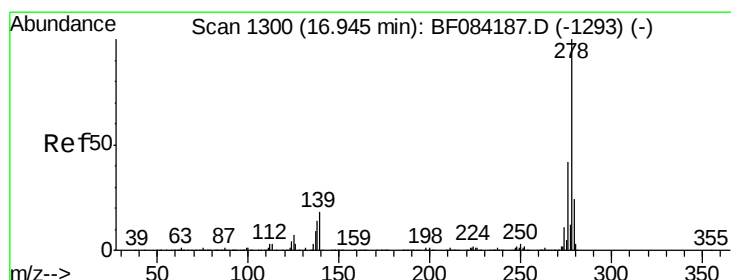
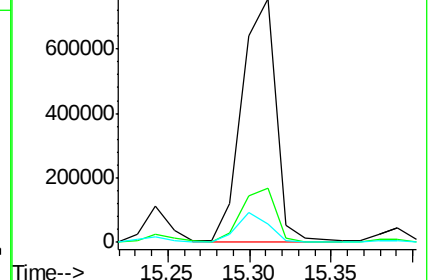
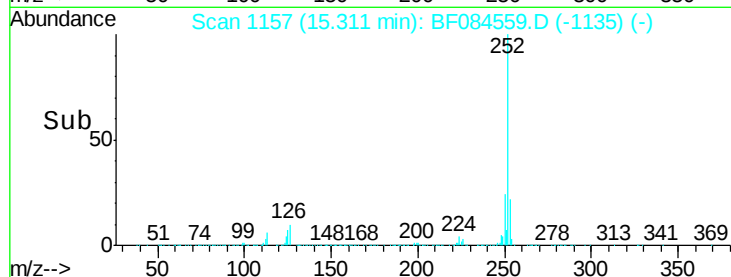
125 7.7 7.0 10.4



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: 50.41 ng

RT: 16.74 min Scan# 1282

Delta R.T. -0.07 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

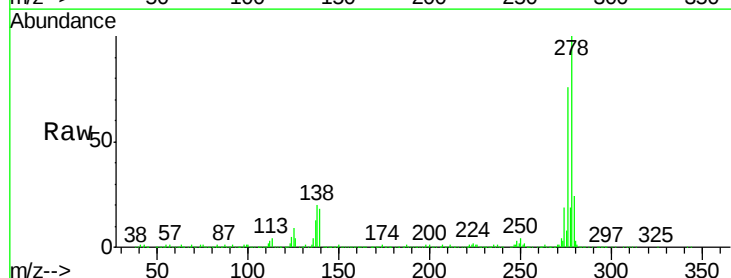
Tgt Ion:278 Resp: 998632

Ion Ratio Lower Upper

278 100

139 17.7 15.0 22.4

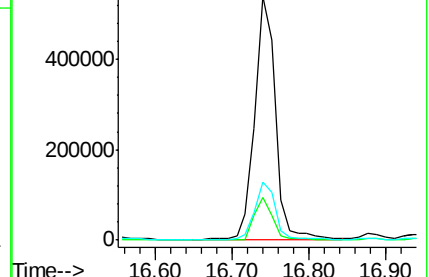
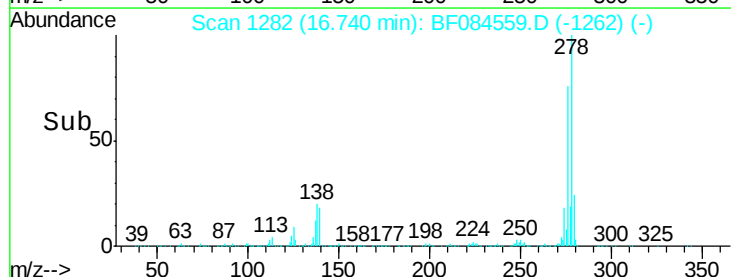
279 24.0 18.9 28.3

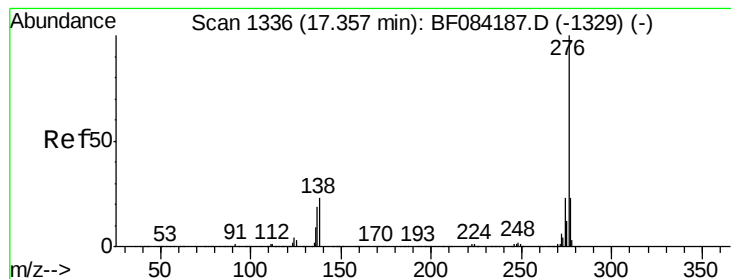


Abundance Ion 278.00 (277.70 to 278.70): E

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: 51.47 ng

RT: 17.14 min Scan# 1317

Delta R.T. -0.08 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

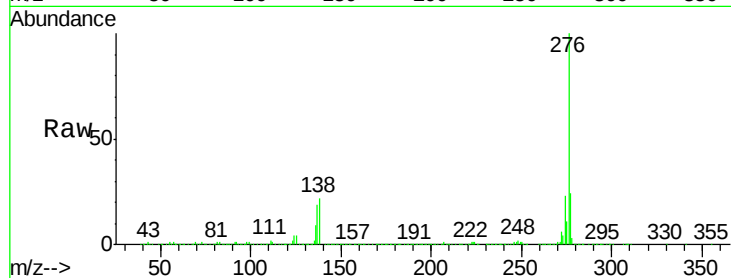
Tgt Ion:276 Resp: 1055869

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 21.9 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

