

Data Path : Z:\HPCHEM1\BNA_F\Data\BF021216\
 Data File : BF085039.D
 Acq On : 12 Feb 2016 4:12
 Operator : SJ/IZ
 Sample : H1410-01MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Quant Time: Feb 12 04:41:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	142294	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	592502	20.00	ng	-0.02
38) Acenaphthene-d10	9.64	164	275235	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	522705	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	323809	20.00	ng	-0.01
86) Perylene-d12	15.11	264	306784	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	1096291	120.00	ng	0.01
7) Phenol-d6	6.27	99	1371480	121.10	ng	-0.01
23) Nitrobenzene-d5	7.19	82	956946	90.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	416468	145.06	ng	-0.01
44) 2-Fluorobiphenyl	8.98	172	1627446	110.83	ng	-0.01
78) Terphenyl-d14	12.72	244	1656976	115.96	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.23	88	155494	38.86	ng	# 68
3) Pyridine	2.83	79	367071	35.21	ng	# 78
4) n-Nitrosodimethylamine	2.78	42	232001	43.02	ng	83
6) Aniline	6.27	93	152051	10.97	ng	# 25
8) 2-Chlorophenol	6.40	128	478436	46.27	ng	93
9) Benzaldehyde	6.16	77	120750	18.05	ng	# 67
10) Phenol	6.28	94	454990	35.86	ng	96
11) bis(2-Chloroethyl)ether	6.36	93	495842	50.12	ng	94
12) 1,3-Dichlorobenzene	6.55	146	470335	43.05	ng	# 94
13) 1,4-Dichlorobenzene	6.63	146	482589	44.19	ng	96
14) 1,2-Dichlorobenzene	6.78	146	421621	41.45	ng	93
15) Benzyl Alcohol	6.78	79	419056	53.58	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.90	45	713834	42.89	ng	69
17) 2-Methylphenol	6.90	107	371015	45.37	ng	# 84
18) Hexachloroethane	7.12	117	203907	48.48	ng	98
19) n-Nitroso-di-n-propylamine	7.05	70	356625	50.23	ng	# 85
20) 3+4-Methylphenols	7.05	107	493795	48.65	ng	87
22) Acetophenone	7.04	105	724674	46.41	ng	# 94
24) Nitrobenzene	7.21	77	527470	46.83	ng	# 85
25) Isophorone	7.45	82	951831	46.54	ng	99
26) 2-Nitrophenol	7.52	139	248590	44.75	ng	# 84
27) 2,4-Dimethylphenol	7.58	122	437177	45.24	ng	94
28) bis(2-Chloroethoxy)methane	7.67	93	632392	52.12	ng	98
29) 2,4-Dichlorophenol	7.77	162	410399	49.64	ng	98
30) 1,2,4-Trichlorobenzene	7.84	180	419636	44.94	ng	96
31) Naphthalene	7.92	128	1464703	49.28	ng	99
32) Benzoic acid	7.72	122	216157	34.98	ng	96
33) 4-Chloroaniline	7.98	127	93592	7.61	ng	95
34) Hexachlorobutadiene	8.04	225	241727	44.89	ng	99
35) Caprolactam	8.36	113	76539	30.04	ng	# 55
36) 4-Chloro-3-methylphenol	8.49	107	464010	49.20	ng	92
37) 2-Methylnaphthalene	8.62	142	1037248	55.76	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.78	216	374374	42.83	ng	99
40) Hexachlorocyclopentadiene	8.76	237	289214	76.37	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.90	196	277592	49.29	ng	97
43) 2,4,5-Trichlorophenol	8.95	196	254050	44.40	ng #	81
45) 1,1'-Biphenyl	9.08	154	1161021	47.23	ng	95
46) 2-Chloronaphthalene	9.10	162	804789	44.45	ng	96
47) 2-Nitroaniline	9.21	65	306566	53.48	ng #	79
48) Acenaphthylene	9.51	152	1242720	45.23	ng	98
49) Dimethylphthalate	9.39	163	970235	46.28	ng #	90
50) 2,6-Dinitrotoluene	9.45	165	195598	42.71	ng #	48
51) Acenaphthene	9.68	154	802936	44.92	ng	96
52) 3-Nitroaniline	9.62	138	72390	14.07	ng #	72
53) 2,4-Dinitrophenol	9.74	184	107012	52.76	ng	89
54) Dibenzofuran	9.86	168	1203623	55.10	ng	99
55) 4-Nitrophenol	9.80	139	233970	61.86	ng #	70
56) 2,4-Dinitrotoluene	9.86	165	303839	52.02	ng #	92
57) Fluorene	10.19	166	882257	48.36	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.99	232	240424	55.20	ng #	85
59) Diethylphthalate	10.09	149	942443	46.04	ng	99
60) 4-Chlorophenyl-phenylether	10.19	204	395740	52.91	ng	96
61) 4-Nitroaniline	10.24	138	234689	46.80	ng	86
62) Azobenzene	10.35	77	1040130	52.84	ng	92
64) 4,6-Dinitro-2-methylphenol	10.26	198	104820	32.49	ng #	53
65) n-Nitrosodiphenylamine	10.32	169	822320	49.54	ng	100
66) 4-Bromophenyl-phenylether	10.68	248	294121	50.95	ng	99
67) Hexachlorobenzene	10.74	284	282866	44.97	ng #	88
68) Atrazine	10.86	200	296480	56.56	ng	97
69) Pentachlorophenol	10.95	266	242598	82.06	ng	98
70) Phenanthrene	11.15	178	1388064	47.88	ng	97
71) Anthracene	11.21	178	1364707	46.72	ng	99
72) Carbazole	11.37	167	1298890	50.99	ng	98
73) Di-n-butylphthalate	11.70	149	1422445	43.86	ng #	97
74) Fluoranthene	12.33	202	1240105	42.26	ng	99
76) Benzidine	12.47	184	210336	20.13	ng	97
77) Pyrene	12.56	202	1259234	50.79	ng	98
79) Butylbenzylphthalate	13.20	149	614040	54.60	ng #	82
80) Benzo(a)anthracene	13.75	228	999509	49.73	ng	99
81) 3,3'-Dichlorobenzidine	13.71	252	89624	12.59	ng #	90
82) Chrysene	13.78	228	765177	39.26	ng	99
83) Bis(2-ethylhexyl)phthalate	13.76	149	772891	55.22	ng #	97
84) Di-n-octyl phthalate	14.37	149	1151389	49.86	ng #	90
85) Indeno(1,2,3-cd)pyrene	16.37	276	962130	62.72	ng	99
87) Benzo(b)fluoranthene	14.78	252	1766851	85.72	ng	98
88) Benzo(k)fluoranthene	14.78	252	1767470	103.71	ng #	97
89) Benzo(a)pyrene	15.06	252	817495	46.55	ng #	97
90) Dibenzo(a,h)anthracene	16.38	278	782967	52.96	ng	96
91) Benzo(g,h,i)perylene	16.74	276	803922	53.98	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.02 min

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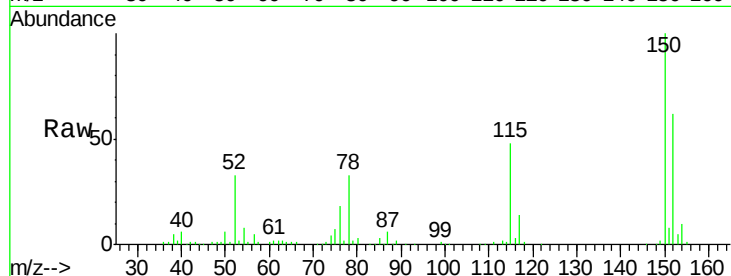
Tgt Ion:152 Resp: 142294

Ion Ratio Lower Upper

152 100

150 160.1 123.0 184.4

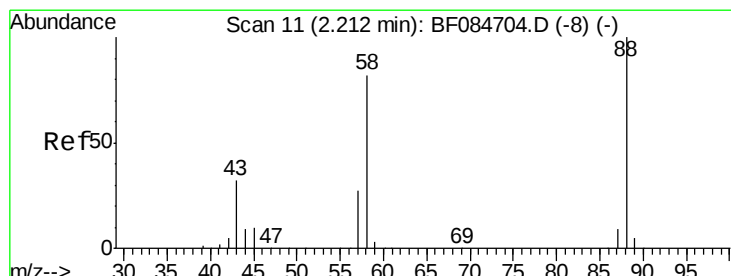
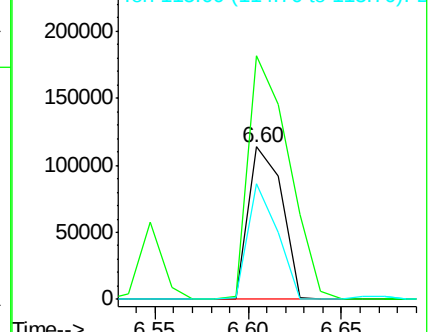
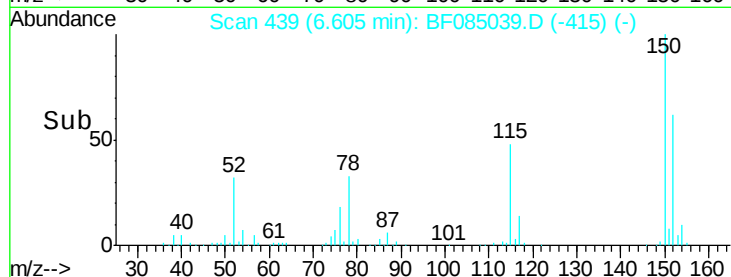
115 76.3 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 38.86 ng

RT: 2.23 min Scan# 56

Delta R.T. 0.15 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

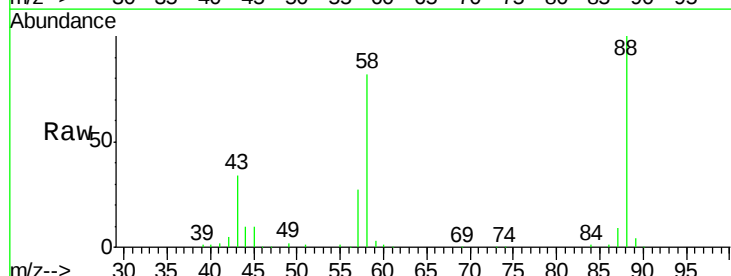
Tgt Ion: 88 Resp: 155494

Ion Ratio Lower Upper

88 100

58 83.7 51.2 76.8#

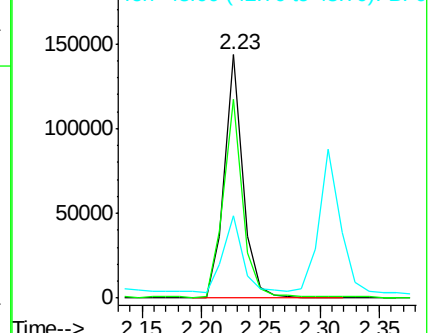
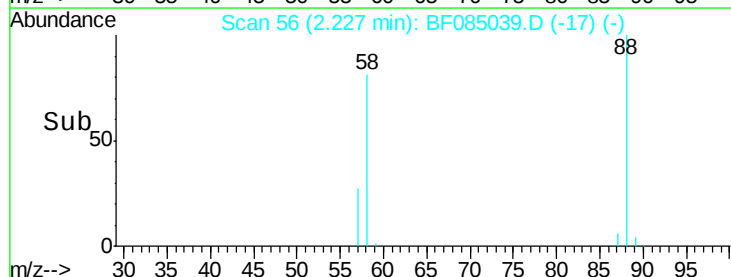
43 0.0 19.5 29.3#

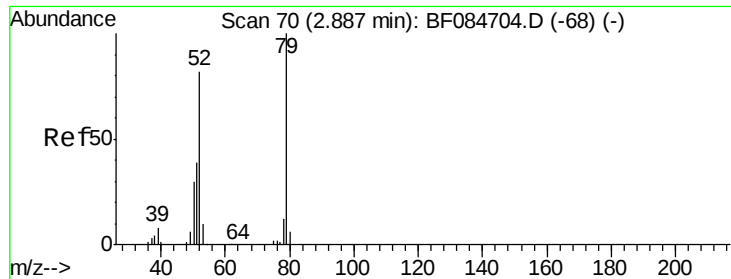


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 35.21 ng

RT: 2.83 min Scan# 109

Delta R.T. 0.11 min

Lab File: BF085039.D

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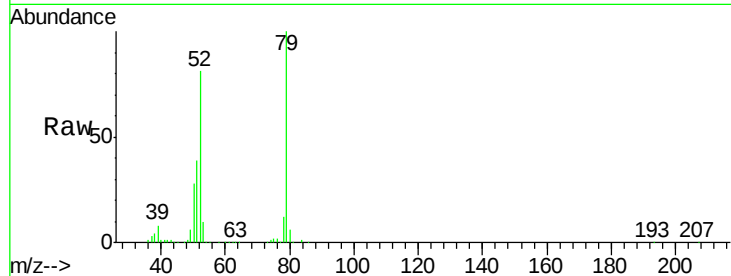
Tgt Ion: 79 Resp: 367071

Ion Ratio Lower Upper

79 100

52 80.7 49.0 73.4#

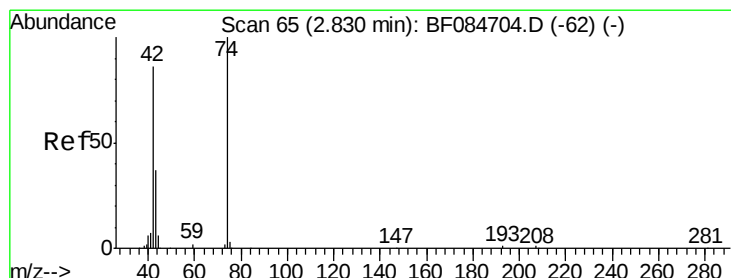
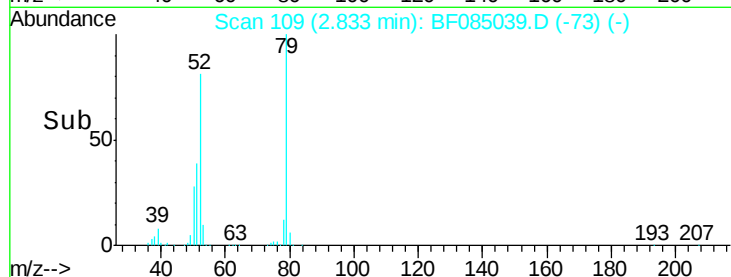
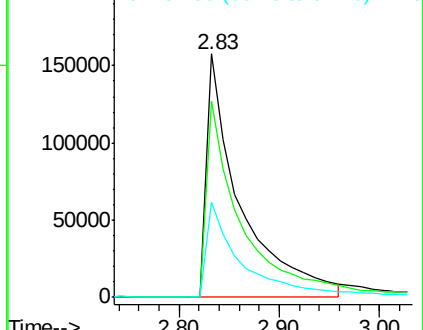
51 39.3 25.2 37.8#



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: 43.02 ng

RT: 2.78 min Scan# 104

Delta R.T. 0.09 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

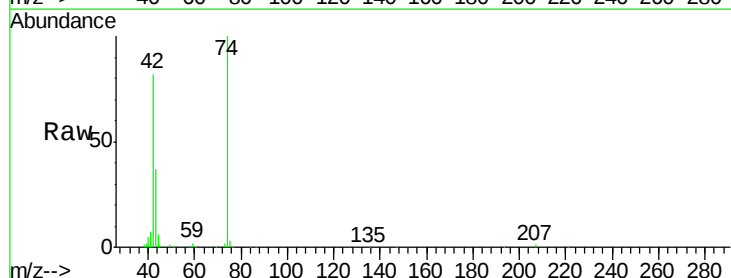
Tgt Ion: 42 Resp: 232001

Ion Ratio Lower Upper

42 100

74 122.4 115.7 173.5

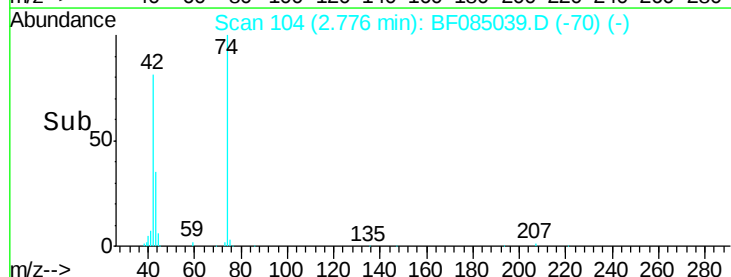
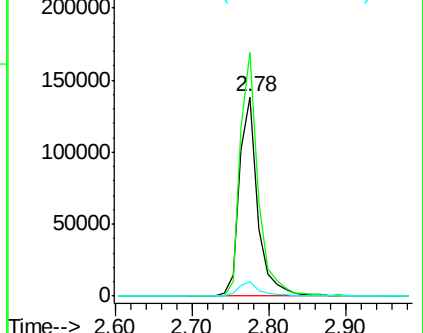
44 7.1 5.1 7.7

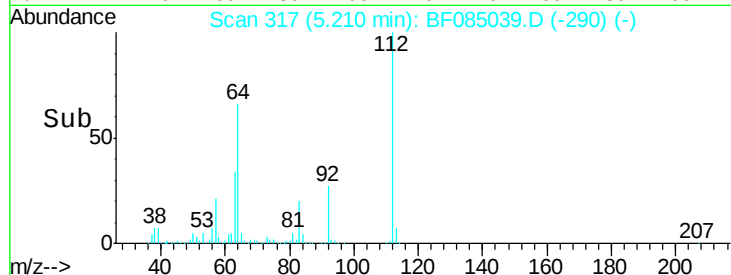
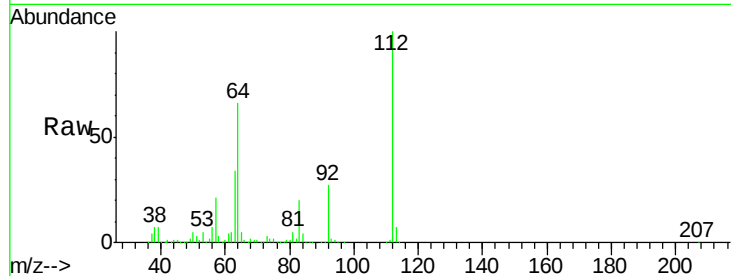
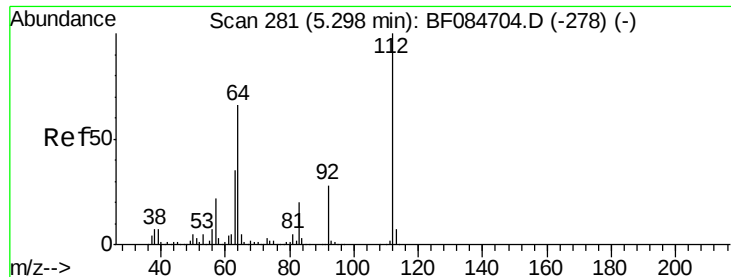


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 120.00 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF085039.D

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Instrument :

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ClientSampleId :

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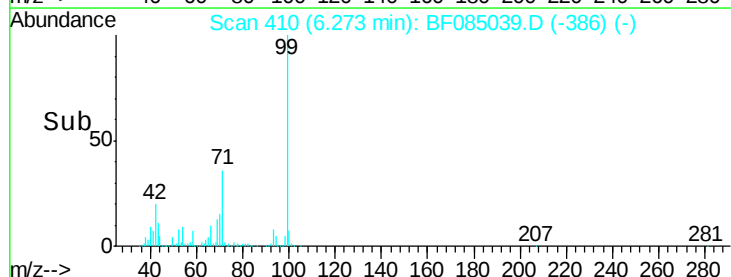
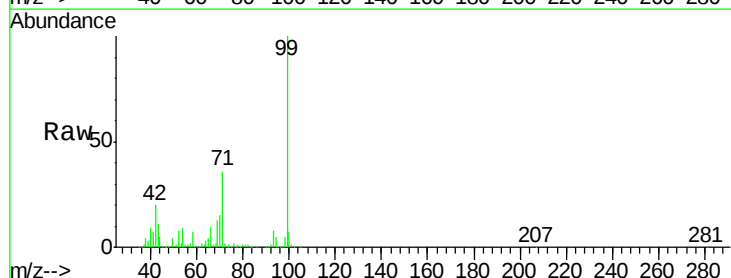
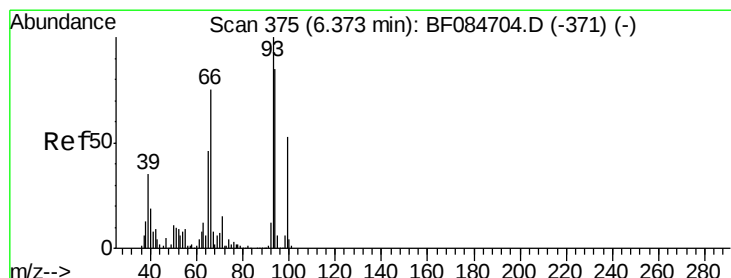
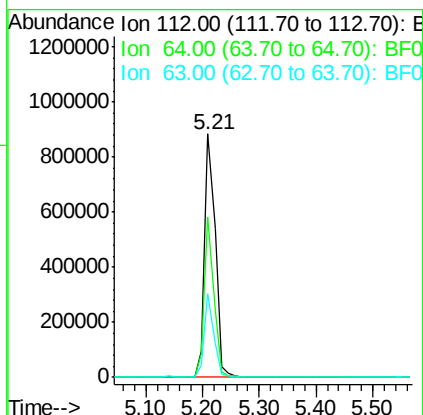
Tgt Ion:112 Resp: 1096291

Ion Ratio Lower Upper

112 100

64 65.8 36.6 55.0#

63 34.5 19.4 29.0#



#6

Aniline

Concen: 10.97 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

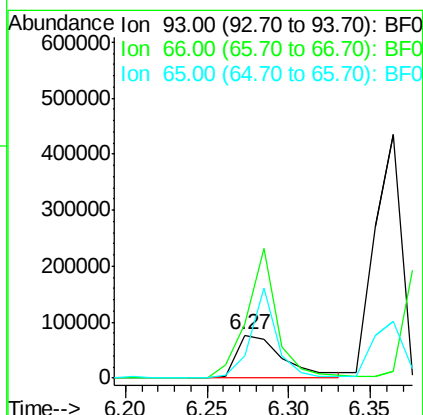
Tgt Ion: 93 Resp: 152051

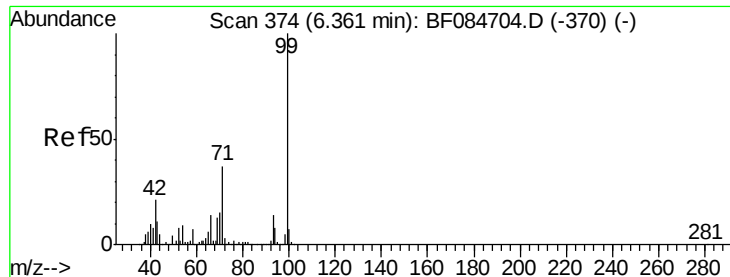
Ion Ratio Lower Upper

93 100

66 125.2 44.9 67.3#

65 50.4 23.7 35.5#





#7

Phenol-d6

Concen: 121.10 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

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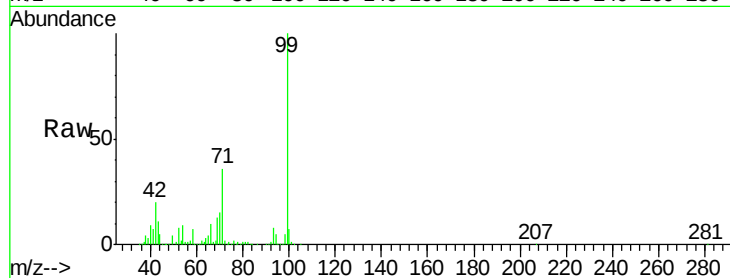
Tgt Ion: 99 Resp: 1371480

Ion Ratio Lower Upper

99 100

42 19.9 12.8 19.2#

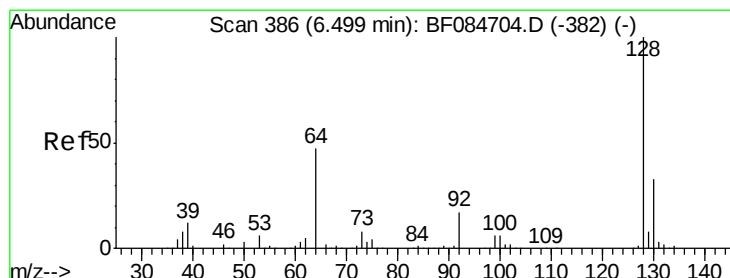
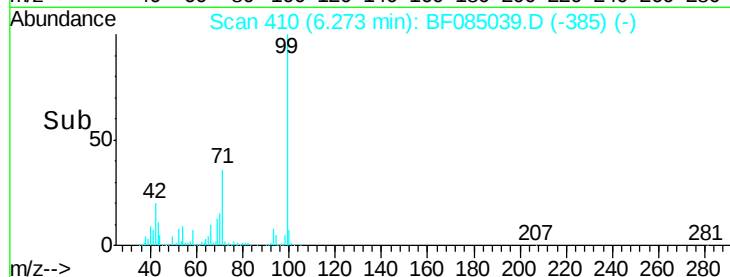
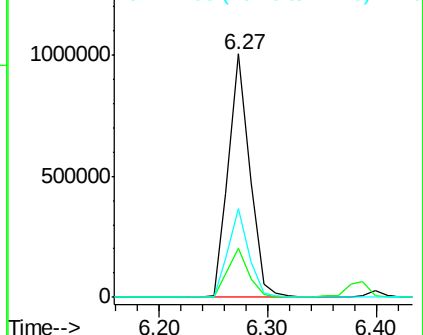
71 36.5 30.9 46.3



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: 46.27 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

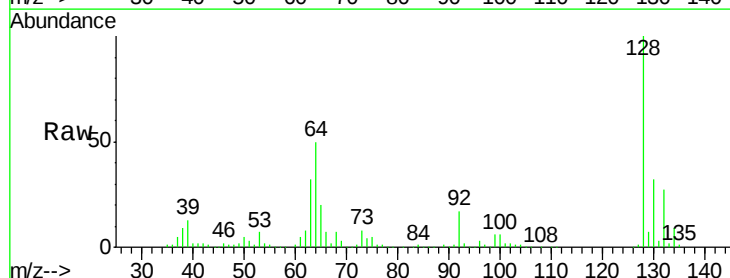
Tgt Ion: 128 Resp: 478436

Ion Ratio Lower Upper

128 100

130 32.3 11.6 51.6

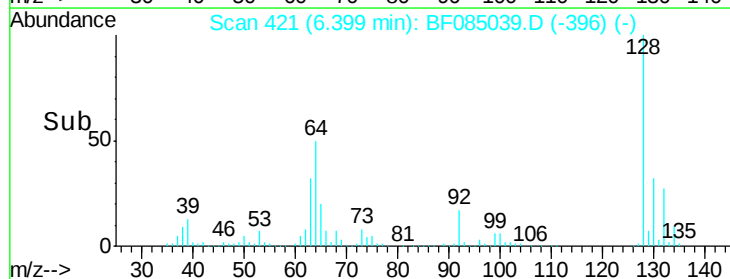
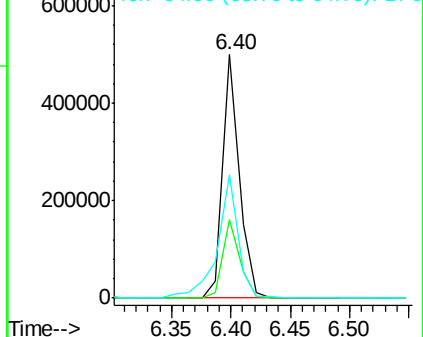
64 50.5 23.8 63.8

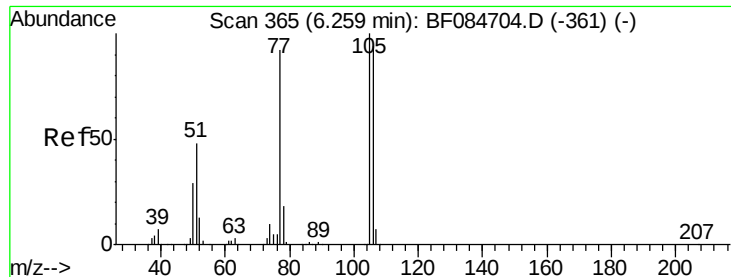


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 18.05 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

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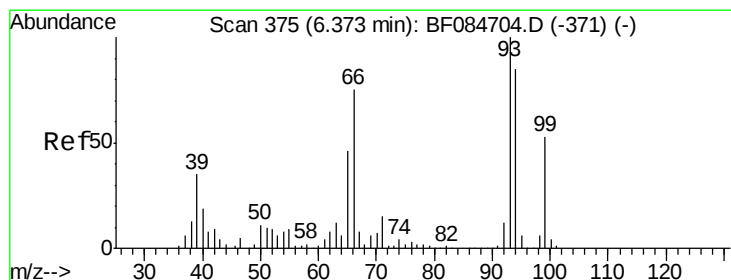
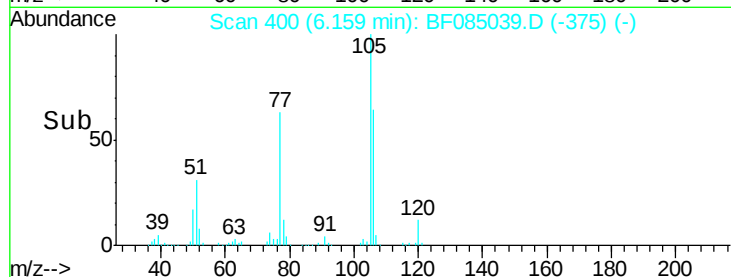
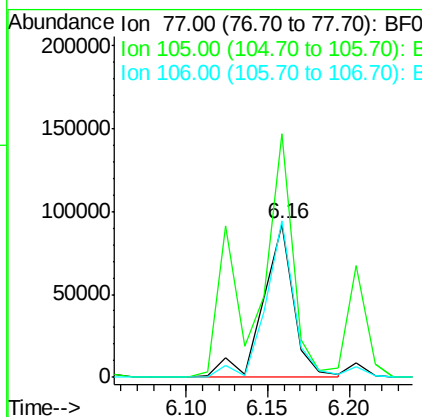
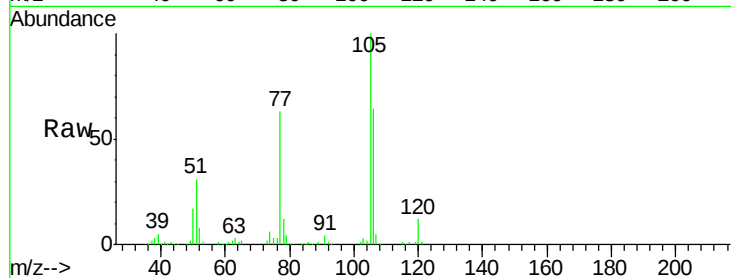
Tgt Ion: 77 Resp: 120750

Ion Ratio Lower Upper

77 100

105 159.4 83.0 123.0#

106 102.6 74.6 114.6



#10

Phenol

Concen: 35.86 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

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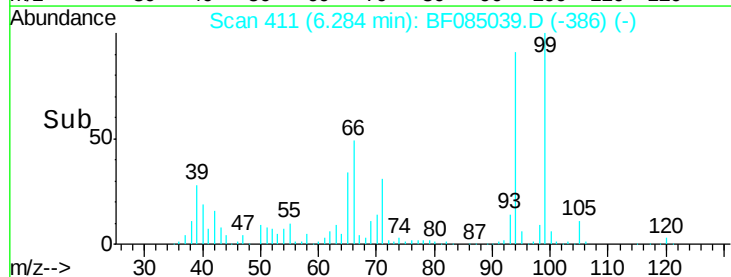
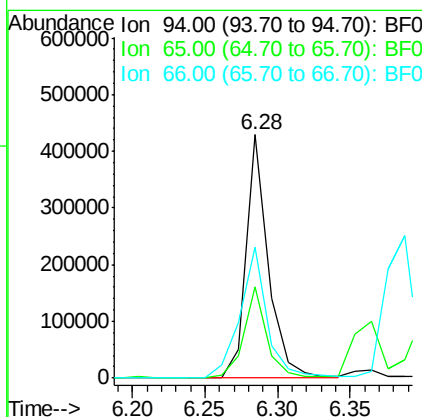
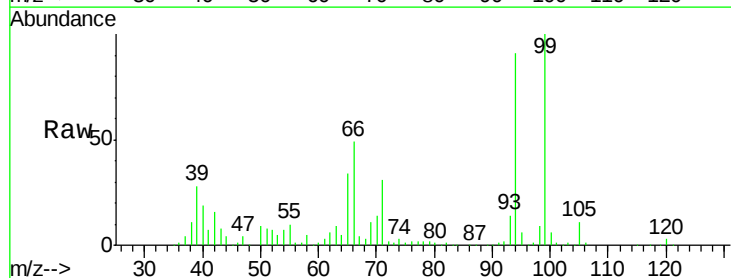
Tgt Ion: 94 Resp: 454990

Ion Ratio Lower Upper

94 100

65 37.4 12.9 52.9

66 53.8 32.7 72.7





#11

bis(2-Chloroethyl)ether

Concen: 50.12 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

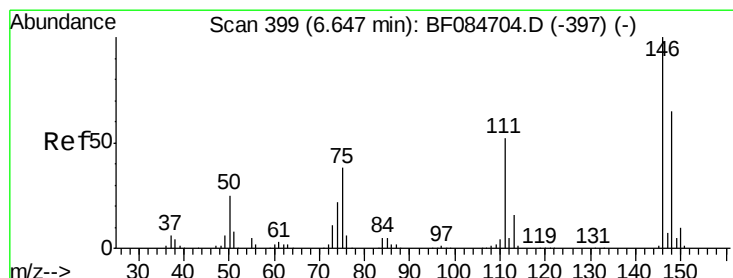
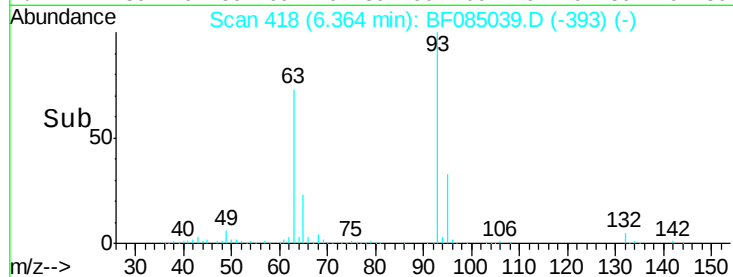
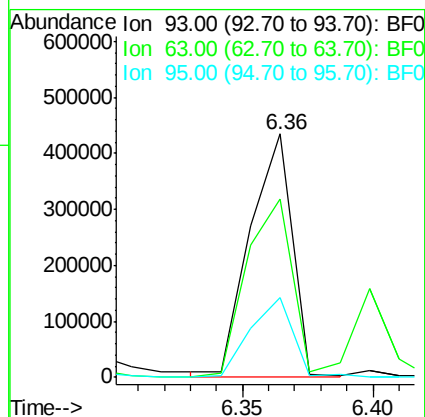
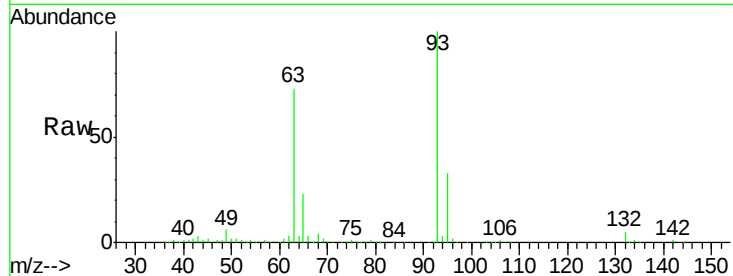
Tgt Ion: 93 Resp: 495842

Ion Ratio Lower Upper

93 100

63 73.2 45.9 85.9

95 32.8 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 43.05 ng

RT: 6.55 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

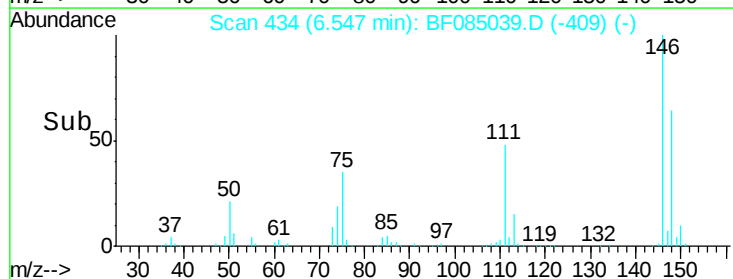
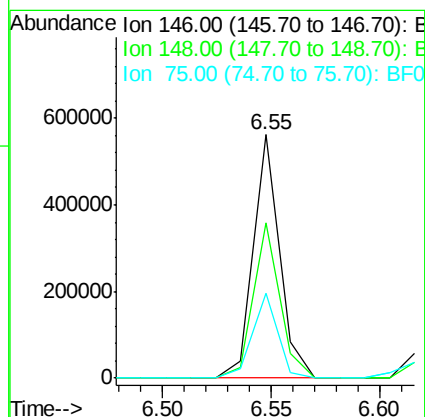
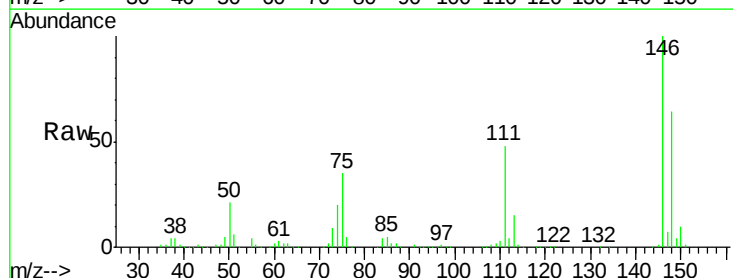
Tgt Ion: 146 Resp: 470335

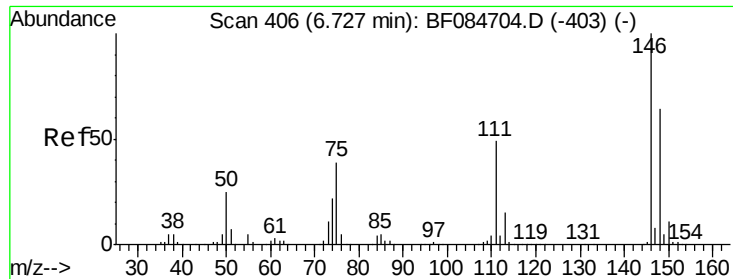
Ion Ratio Lower Upper

146 100

148 64.0 51.9 77.9

75 35.0 20.5 30.7#

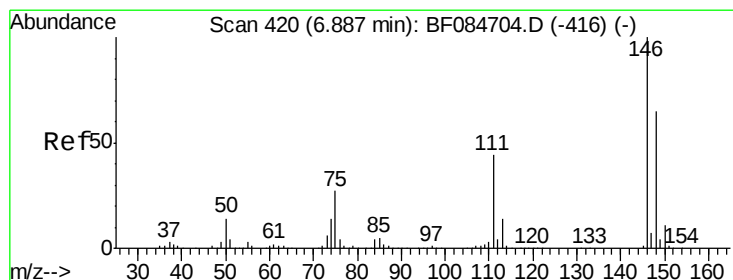
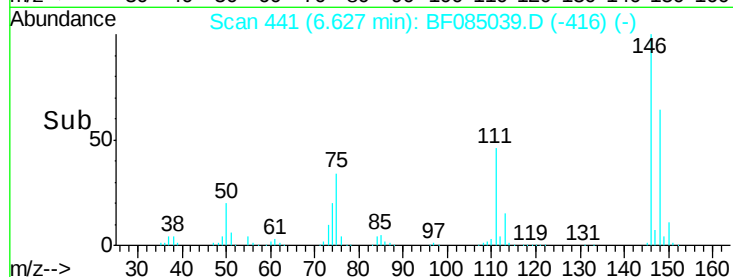
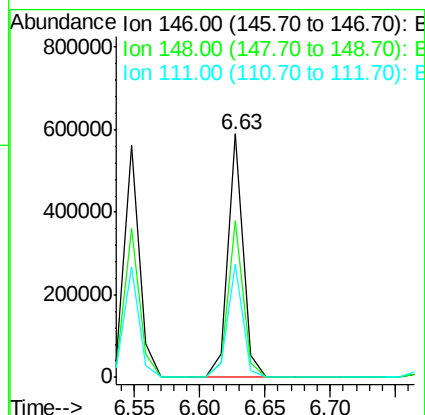
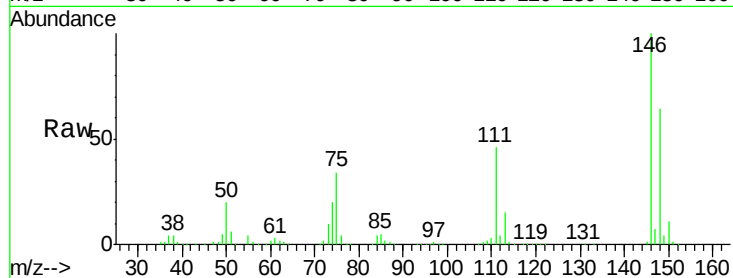




#13
 1,4-Dichlorobenzene
 Concen: 44.19 ng
 RT: 6.63 min Scan# 441
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

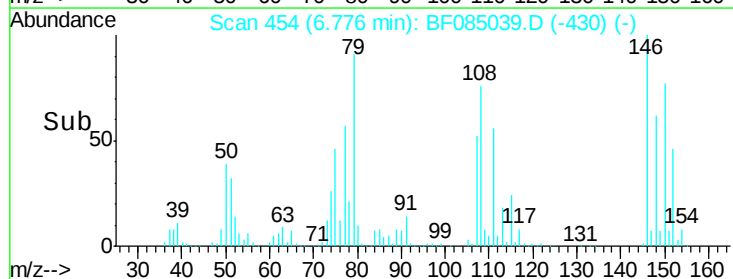
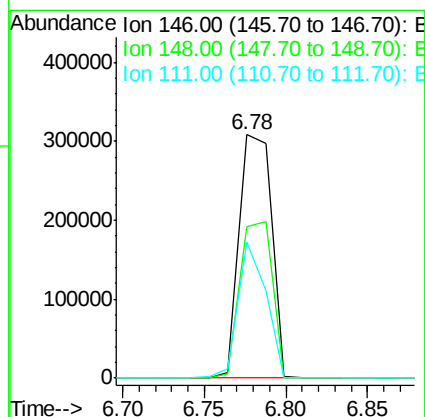
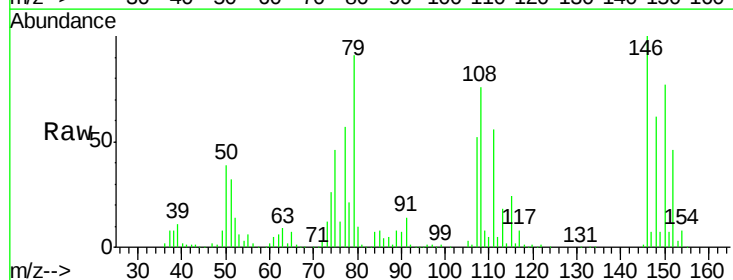
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

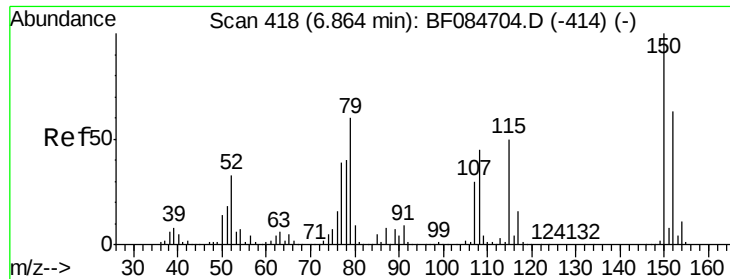
Tgt Ion:146 Resp: 482589
 Ion Ratio Lower Upper
 146 100
 148 64.3 51.9 77.9
 111 46.4 41.6 62.4



#14
 1,2-Dichlorobenzene
 Concen: 41.45 ng
 RT: 6.78 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion:146 Resp: 421621
 Ion Ratio Lower Upper
 146 100
 148 62.2 51.6 77.4
 111 55.8 38.0 57.0





#15

Benzyl Alcohol

Concen: 53.58 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

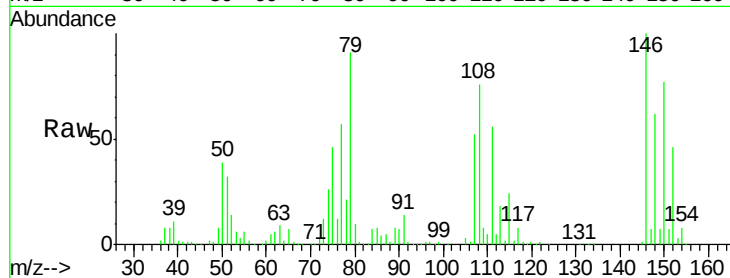
Tgt Ion: 79 Resp: 419056

Ion Ratio Lower Upper

79 100

108 84.1 69.0 103.4

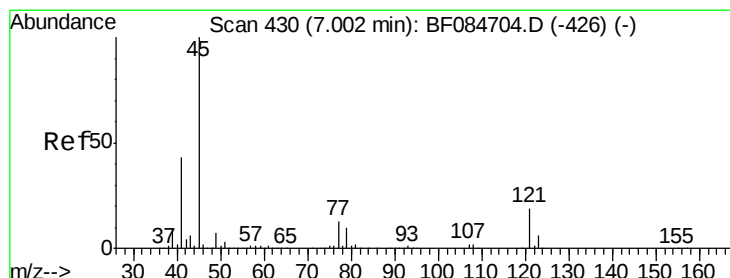
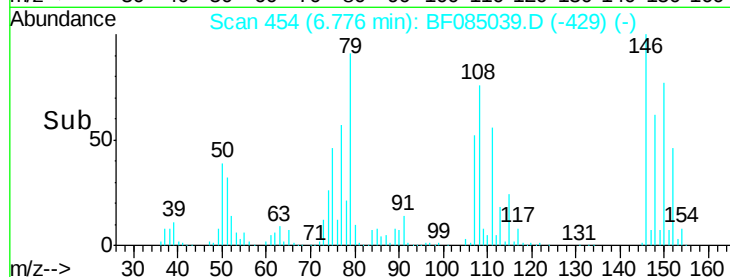
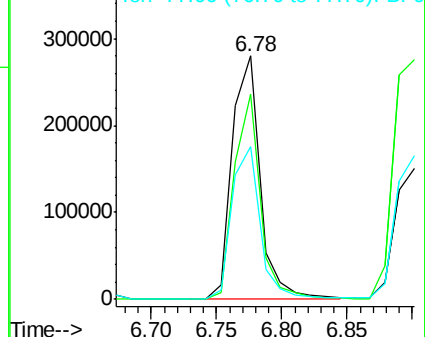
77 62.6 50.0 75.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.89 ng

RT: 6.90 min Scan# 465

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

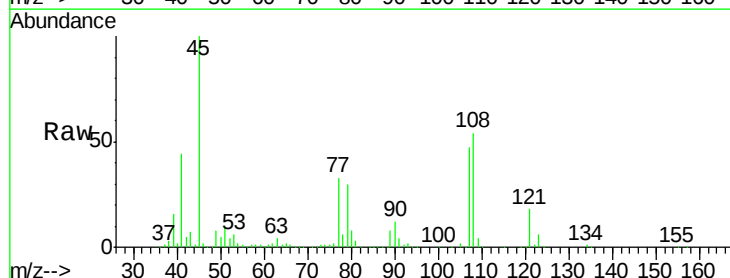
Tgt Ion: 45 Resp: 713834

Ion Ratio Lower Upper

45 100

77 32.6 0.0 39.6

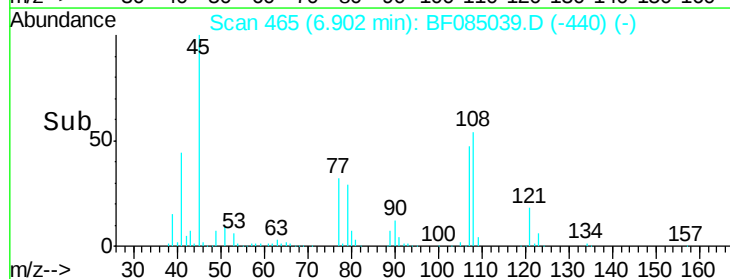
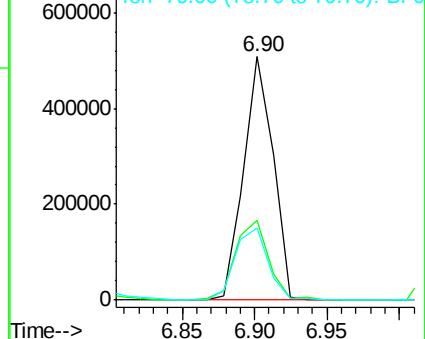
79 29.5 0.0 35.0

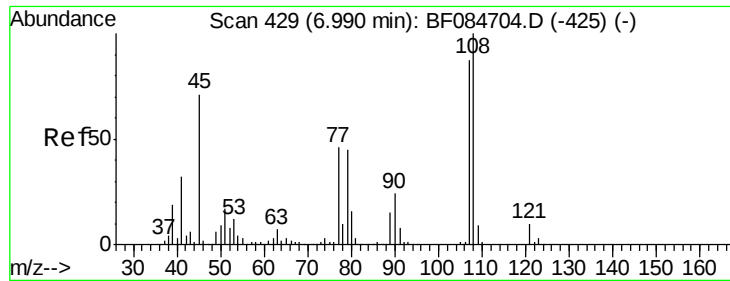


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

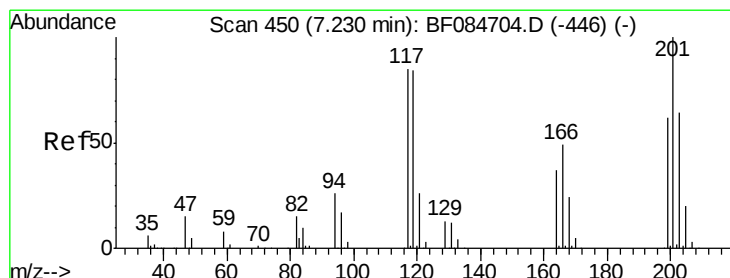
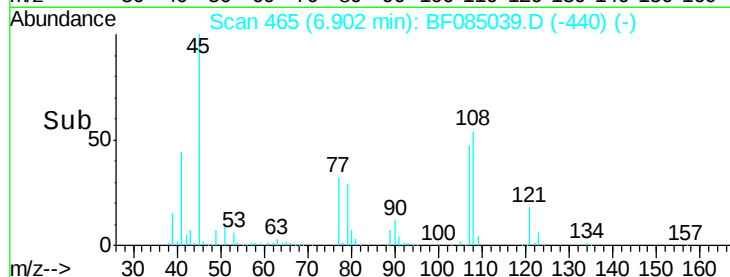
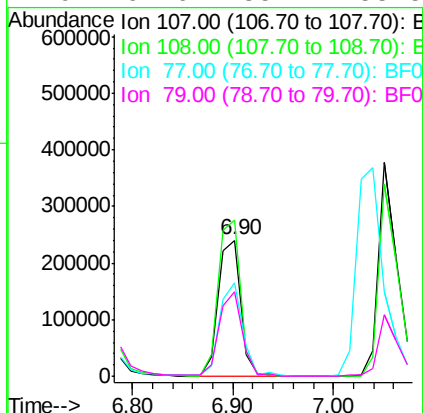
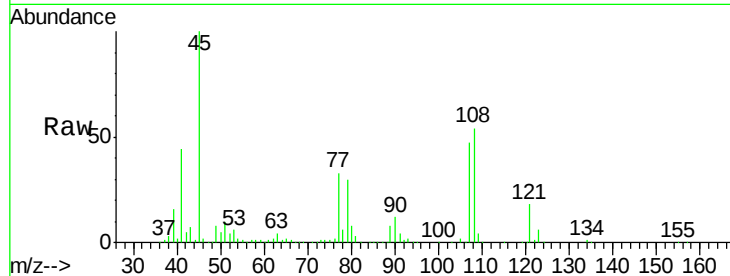




#17
2-Methylphenol
Concen: 45.37 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

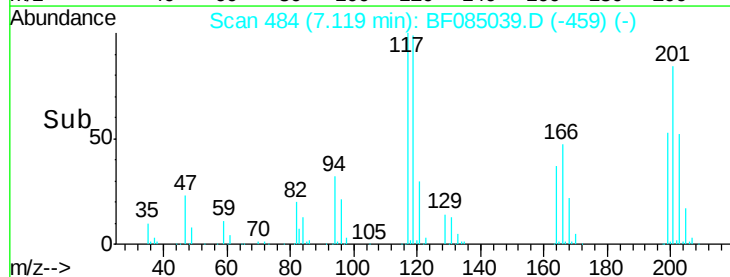
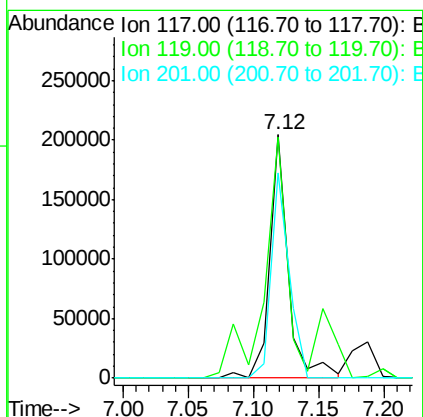
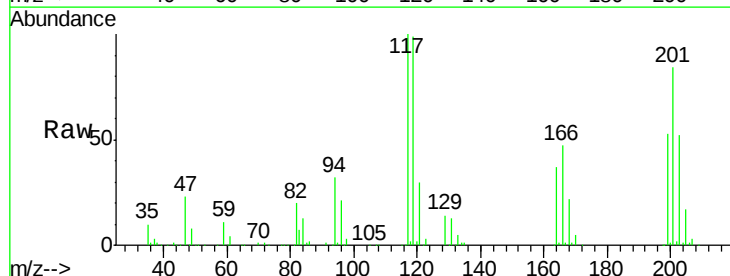
Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

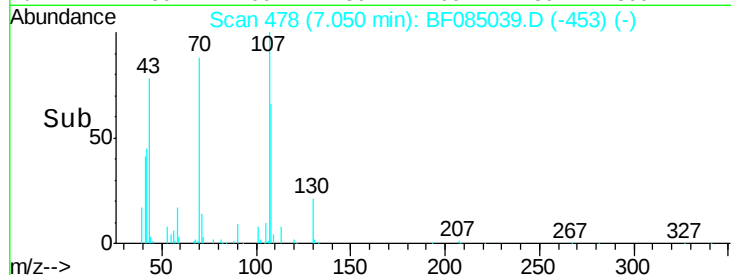
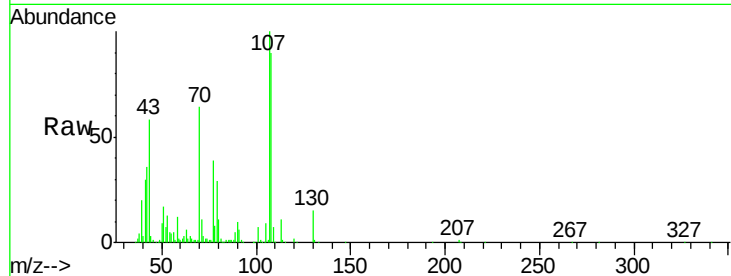
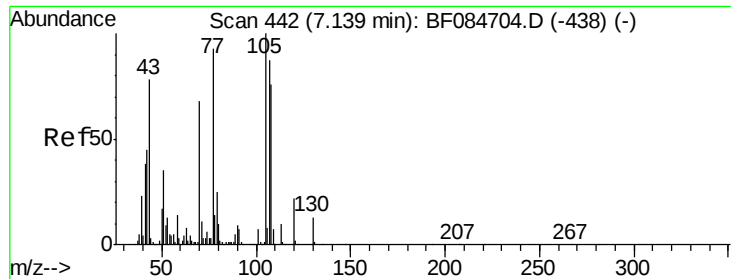
Tgt Ion	Ratio	Lower	Upper
107	100		
108	115.1	89.8	134.6
77	69.1	35.7	53.5#
79	62.6	35.7	53.5#



#18
Hexachloroethane
Concen: 48.48 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	77.4	116.0
201	84.0	68.6	103.0

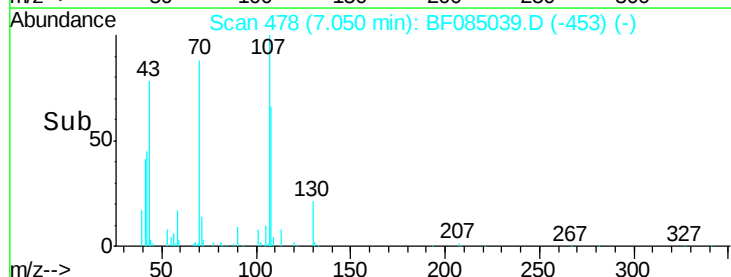
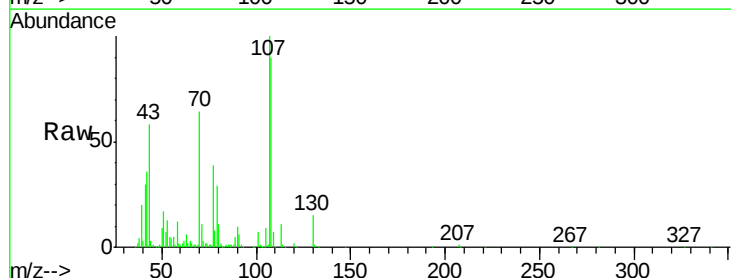
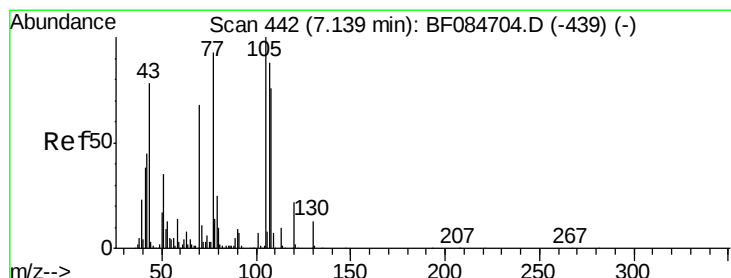
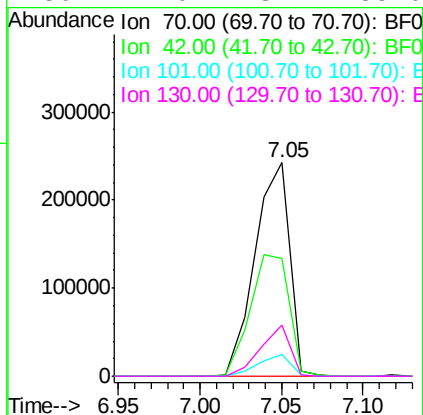




#19
n-Nitroso-di-n-propylamine
Concen: 50.23 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

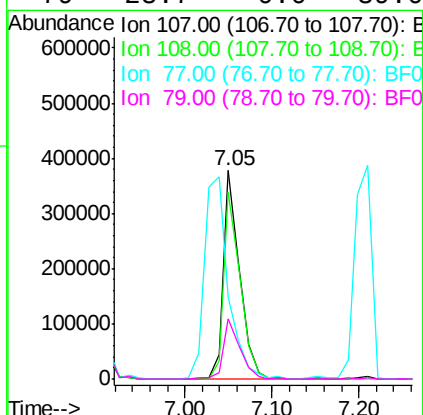
Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

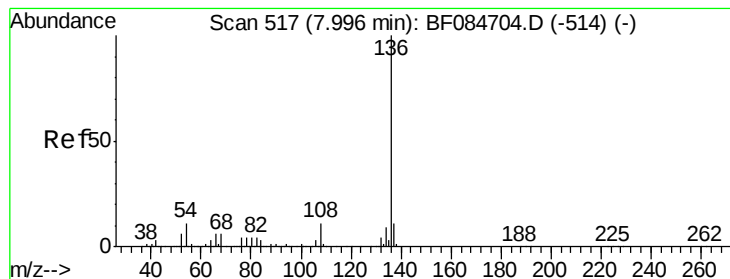
Tgt Ion:	70	Resp:	356625
Ion	Ratio	Lower	Upper
70	100		
42	55.4	33.3	49.9#
101	10.4	9.3	13.9
130	24.0	23.4	35.0



#20
3+4-Methylphenols
Concen: 48.65 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion:	107	Resp:	493795
Ion	Ratio	Lower	Upper
107	100		
108	89.7	74.6	114.6
77	39.3	0.7	40.7
79	28.7	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

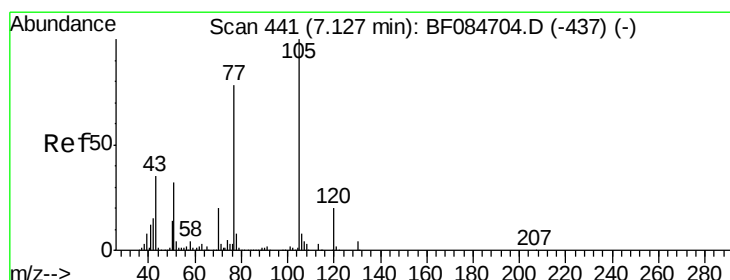
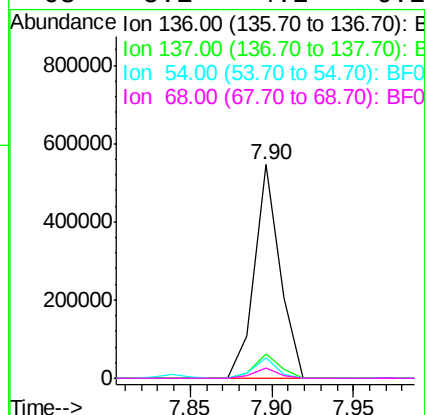
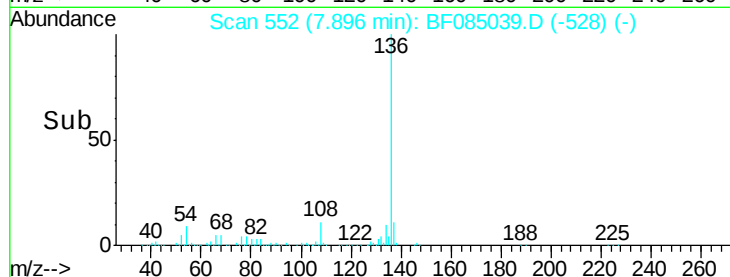
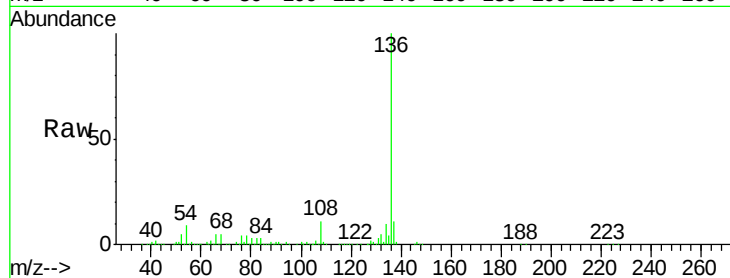
Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

Tgt Ion:	136	Resp:	592502
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.7	13.1
54	9.4	5.8	8.8#
68	5.1	4.2	6.2



#22

Acetophenone

Concen: 46.41 ng

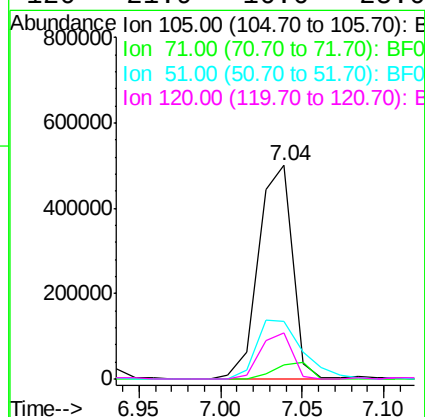
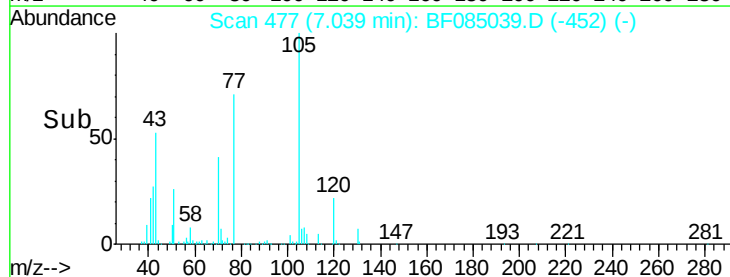
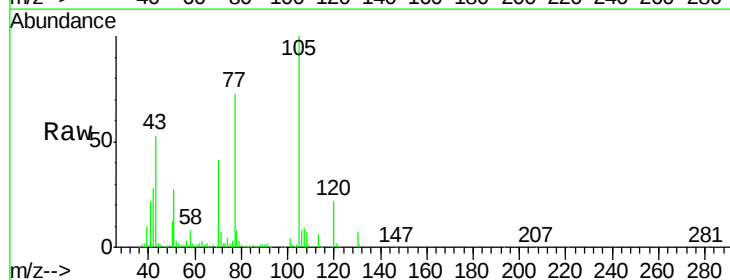
RT: 7.04 min Scan# 477

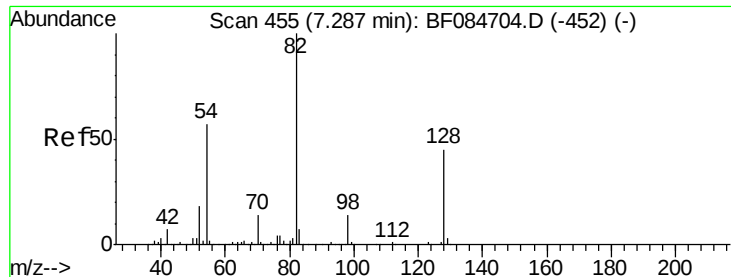
Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:	105	Resp:	724674
Ion Ratio	Lower	Upper	
105	100		
71	6.8	3.7	5.5#
51	27.2	25.1	37.7
120	21.9	16.6	25.0





#23

Nitrobenzene-d5

Concen: 90.98 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

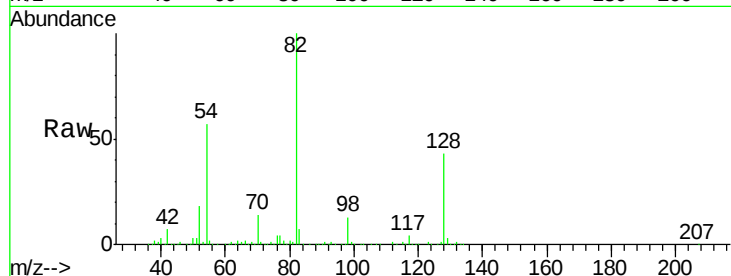
Tgt Ion: 82 Resp: 956946

Ion Ratio Lower Upper

82 100

128 43.3 34.6 51.8

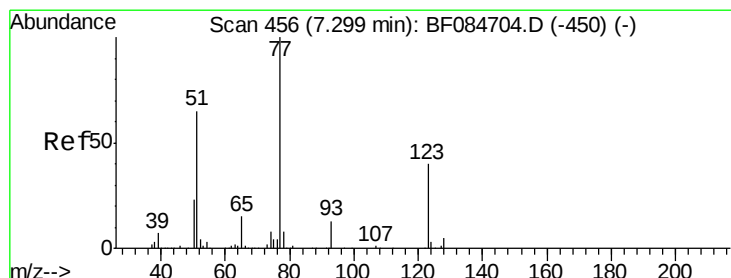
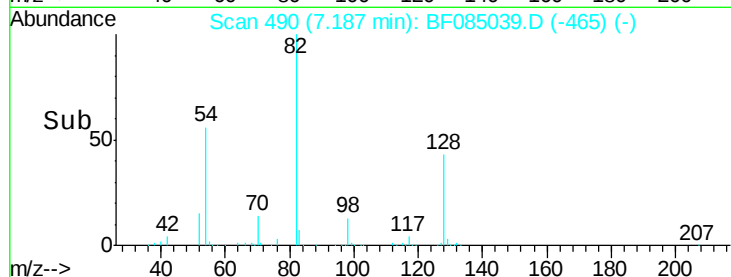
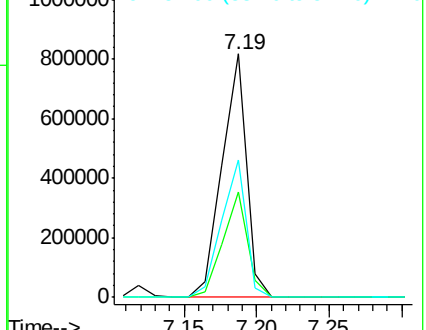
54 56.7 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 46.83 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

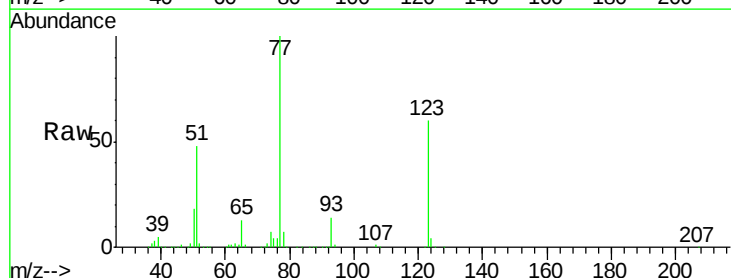
Tgt Ion: 77 Resp: 527470

Ion Ratio Lower Upper

77 100

123 59.7 37.4 56.2#

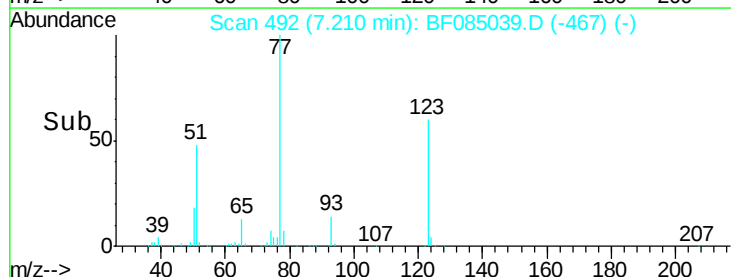
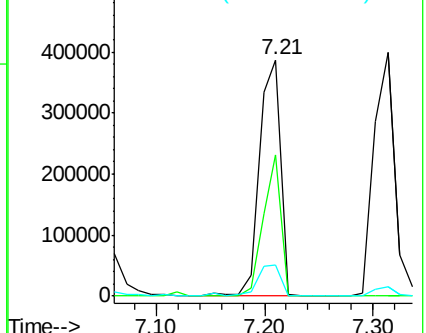
65 13.4 10.9 16.3

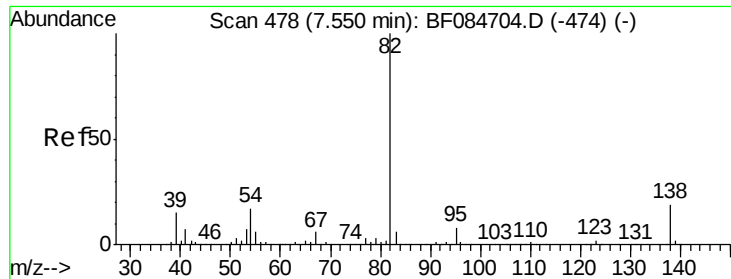


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 46.54 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

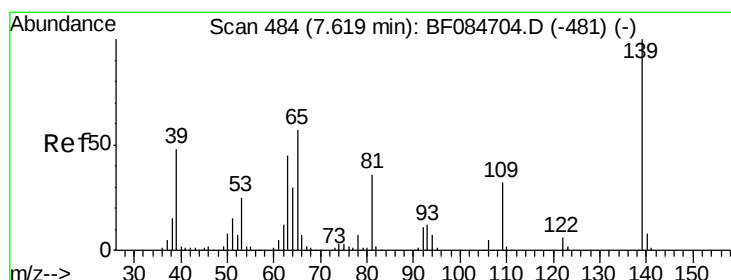
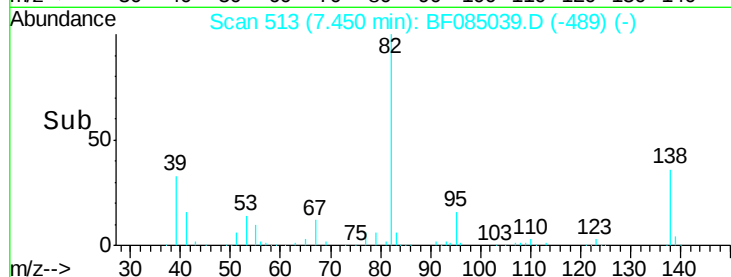
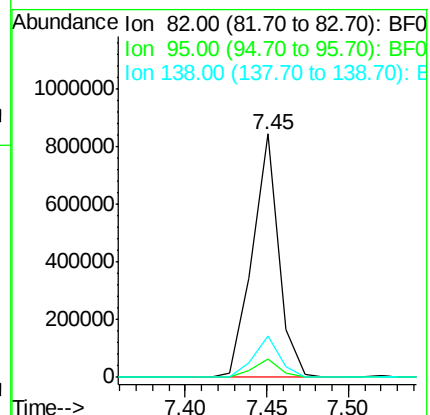
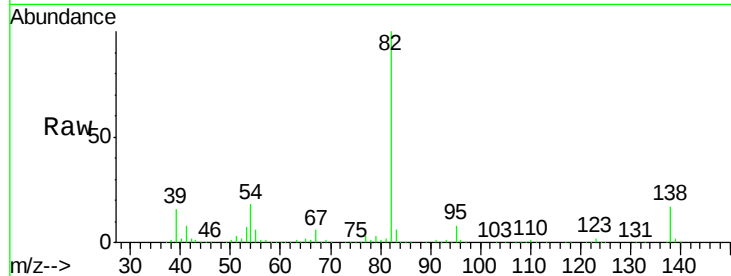
Tgt Ion: 82 Resp: 951831

Ion Ratio Lower Upper

82 100

95 7.5 6.6 10.0

138 17.2 13.6 20.4



#26

2-Nitrophenol

Concen: 44.75 ng

RT: 7.52 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

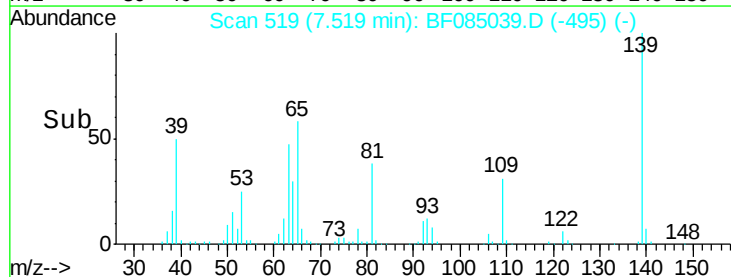
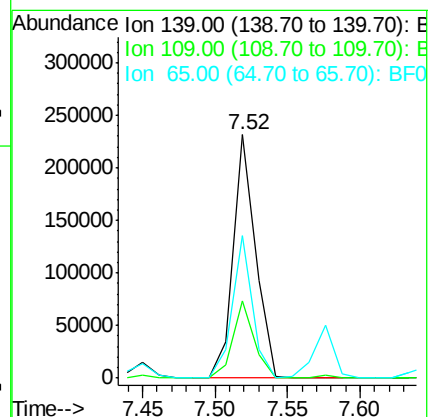
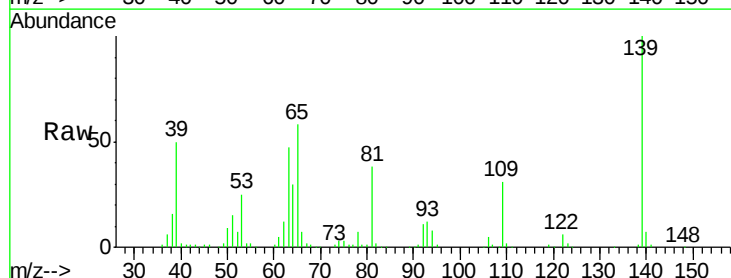
Tgt Ion: 139 Resp: 248590

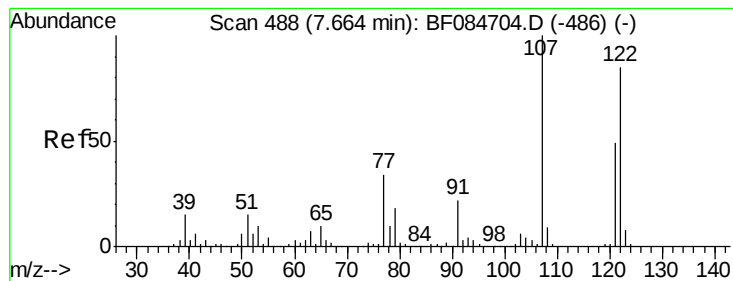
Ion Ratio Lower Upper

139 100

109 31.5 25.4 38.2

65 58.3 32.3 48.5#





#27

2,4-Dimethylphenol

Concen: 45.24 ng

RT: 7.58 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

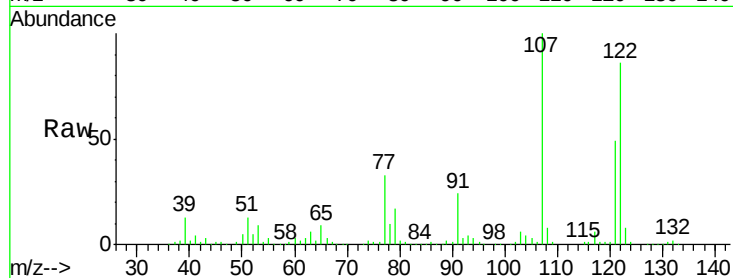
Tgt Ion:122 Resp: 437177

Ion Ratio Lower Upper

122 100

107 116.2 99.1 148.7

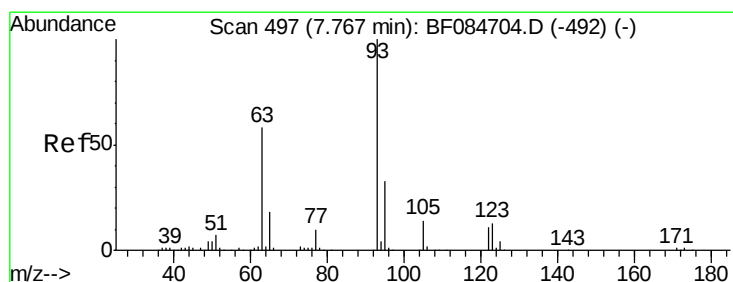
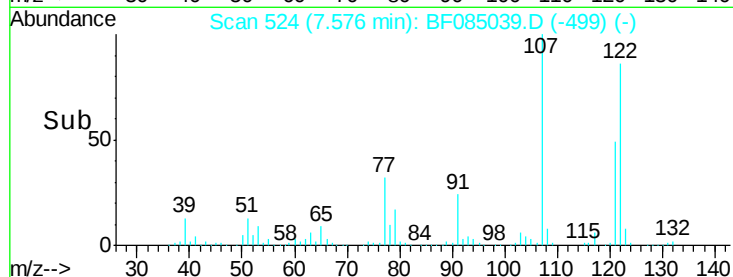
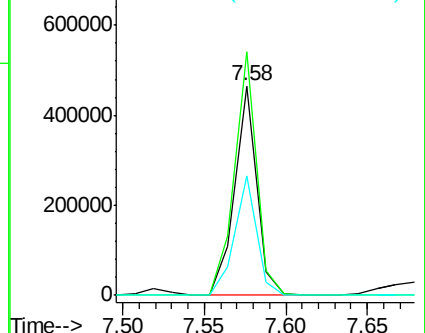
121 56.8 47.9 71.9



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: 52.12 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

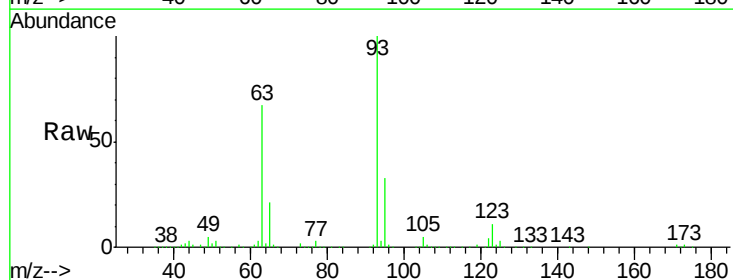
Tgt Ion: 93 Resp: 632392

Ion Ratio Lower Upper

93 100

95 33.3 25.8 38.6

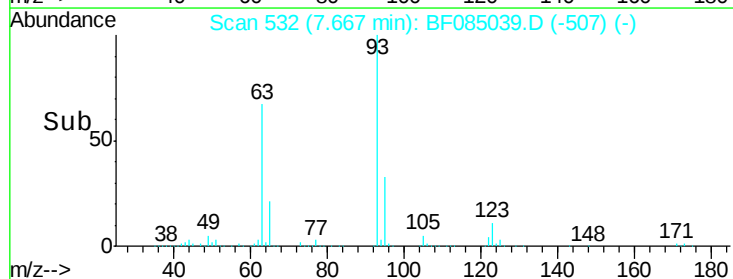
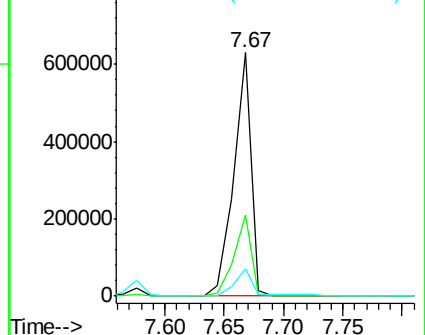
123 11.4 8.6 12.8

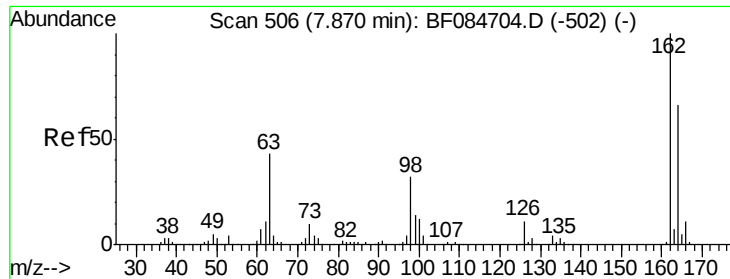


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

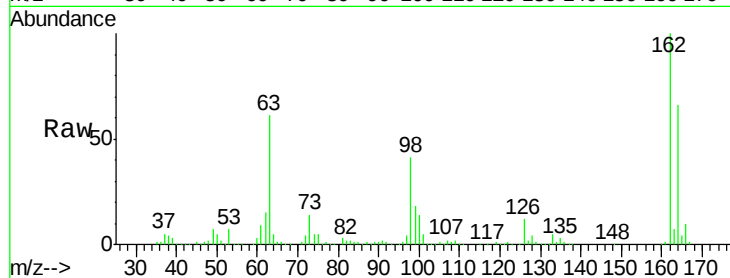




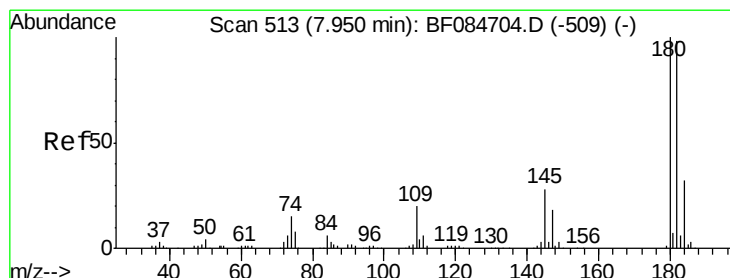
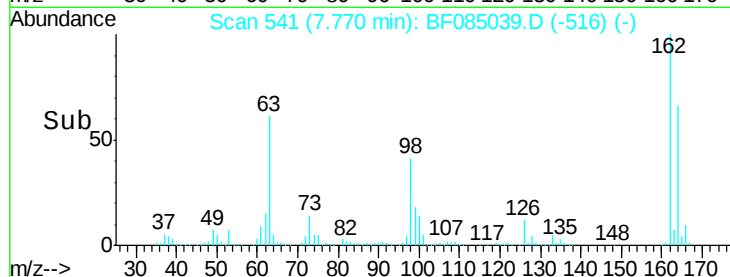
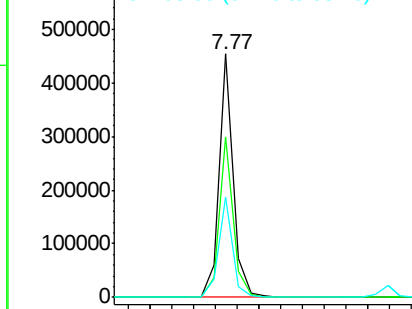
#29
2,4-Dichlorophenol
Concen: 49.64 ng
RT: 7.77 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion:162 Resp: 410399
Ion Ratio Lower Upper
162 100
164 65.6 44.1 84.1
98 41.4 20.2 60.2

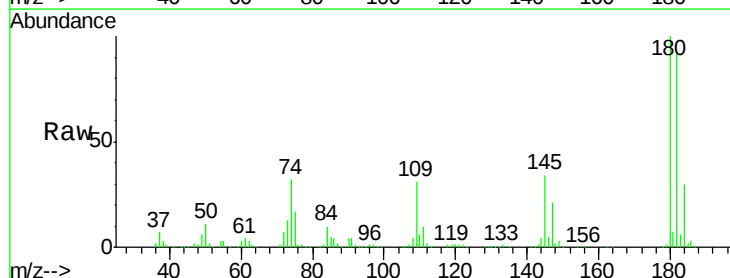


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

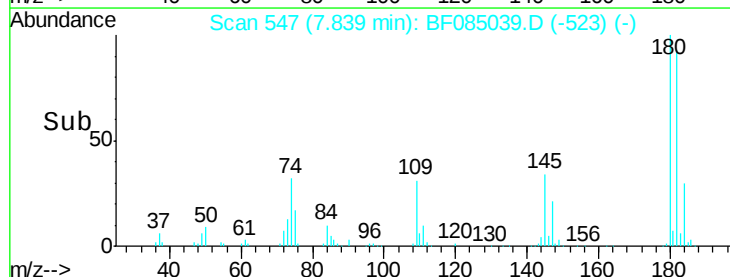
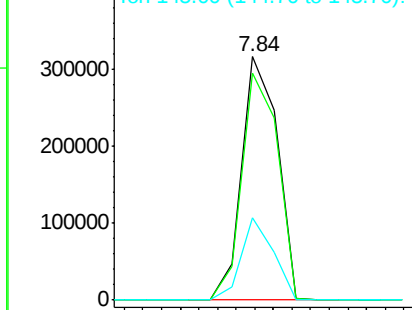


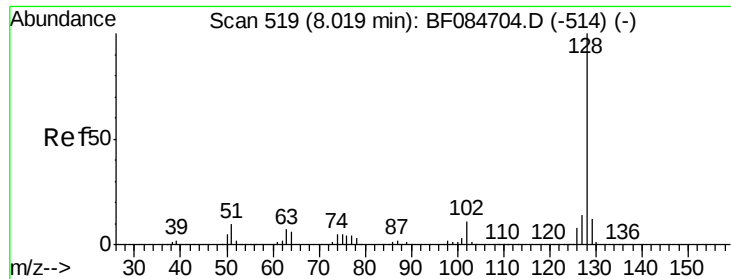
#30
1,2,4-Trichlorobenzene
Concen: 44.94 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion:180 Resp: 419636
Ion Ratio Lower Upper
180 100
182 93.4 76.4 114.6
145 33.8 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

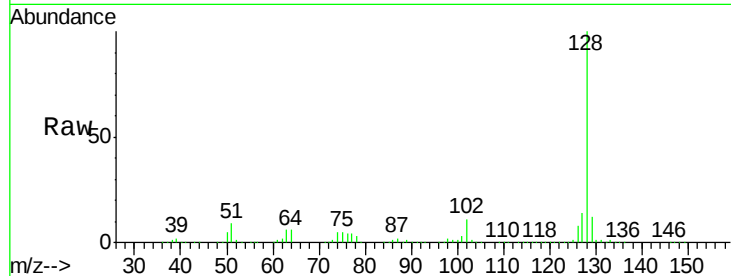




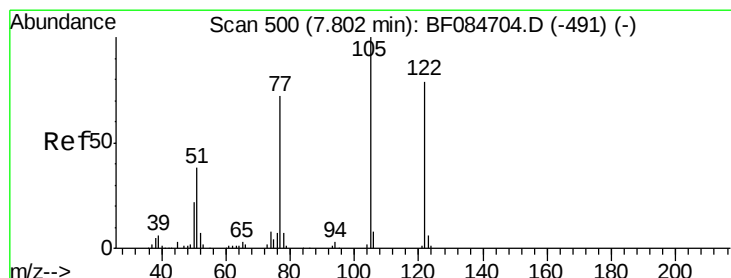
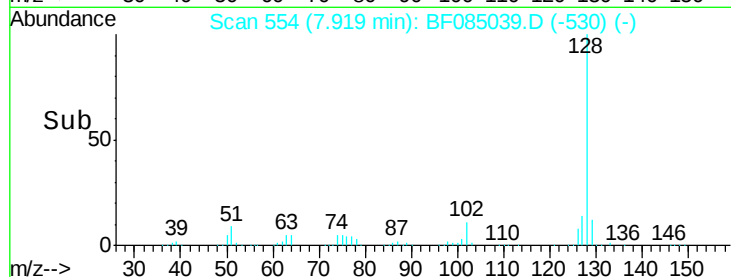
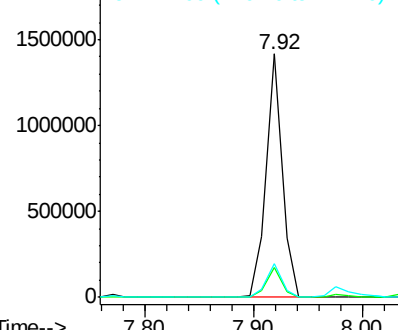
#31
Naphthalene
Concen: 49.28 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion:128 Resp: 1464703
Ion Ratio Lower Upper
128 100
129 12.1 9.1 13.7
127 14.0 11.1 16.7

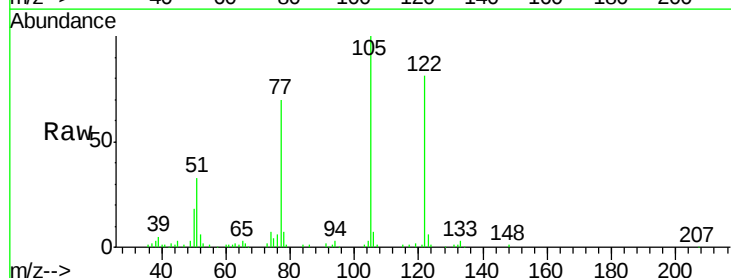


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

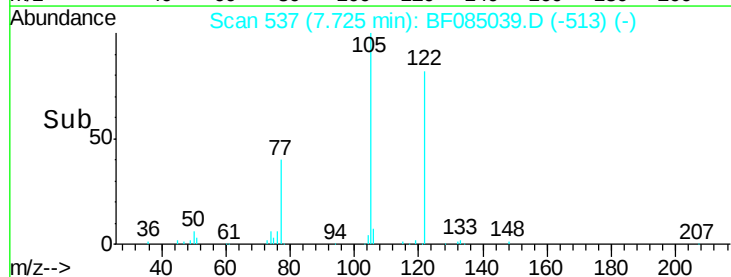
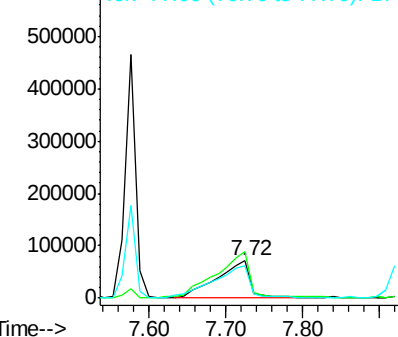


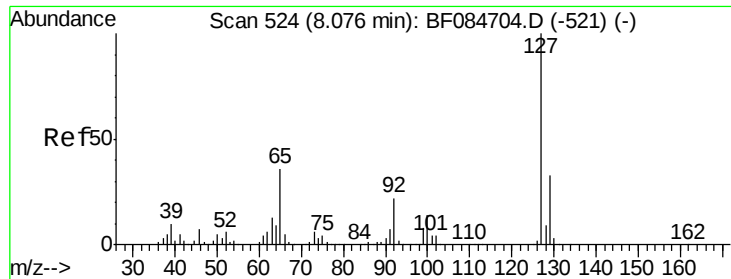
#32
Benzoic acid
Concen: 34.98 ng
RT: 7.72 min Scan# 537
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion:122 Resp: 216157
Ion Ratio Lower Upper
122 100
105 124.1 100.3 140.3
77 87.2 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

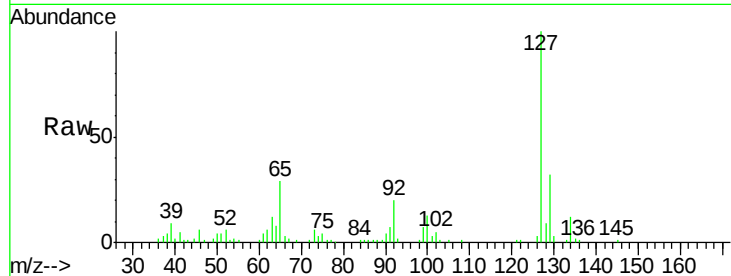




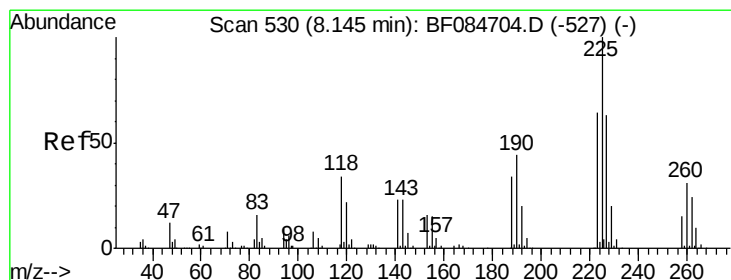
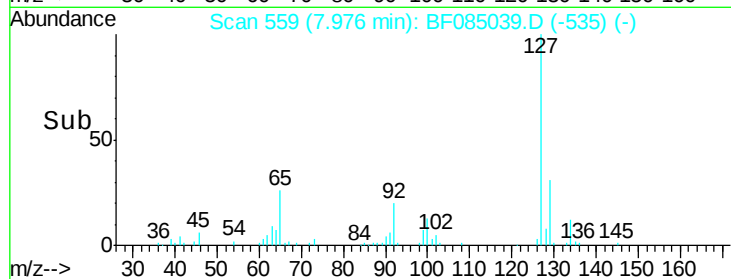
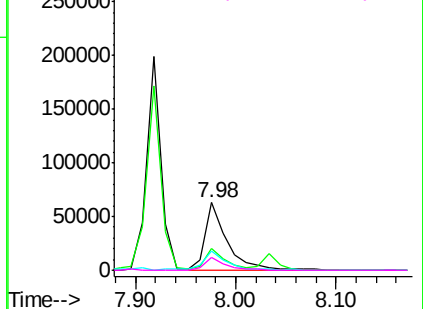
#33
 4-Chloroaniline
 Concen: 7.61 ng
 RT: 7.98 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion:	127	Resp:	93592
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.5	39.7
65	29.1	27.2	40.8
92	20.0	17.7	26.5

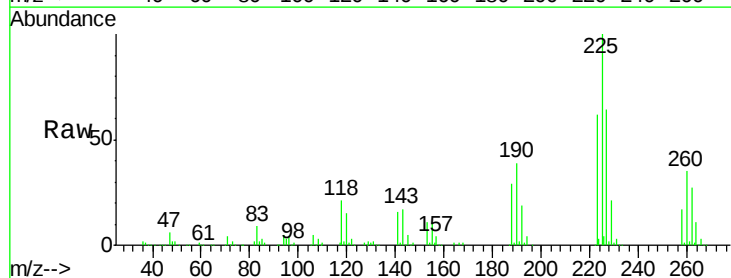


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

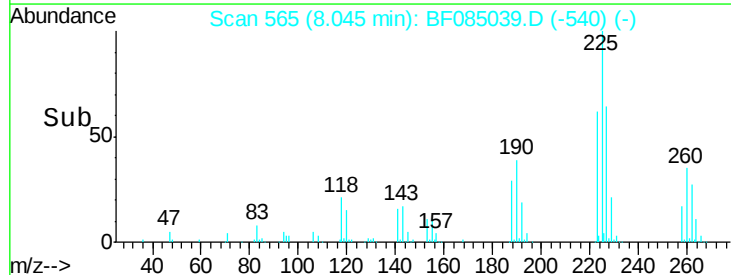
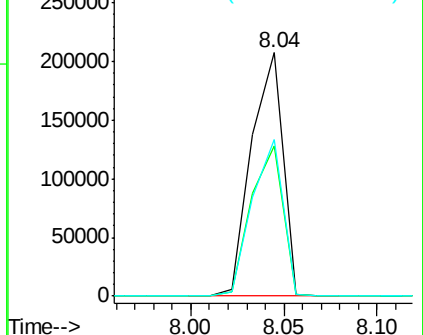


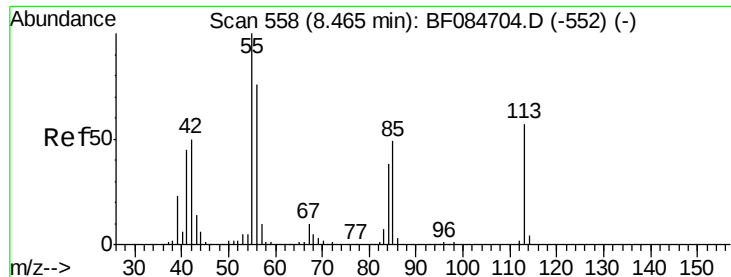
#34
 Hexachlorobutadiene
 Concen: 44.89 ng
 RT: 8.04 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion:	225	Resp:	241727
Ion	Ratio	Lower	Upper
225	100		
223	61.5	49.4	74.0
227	64.1	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

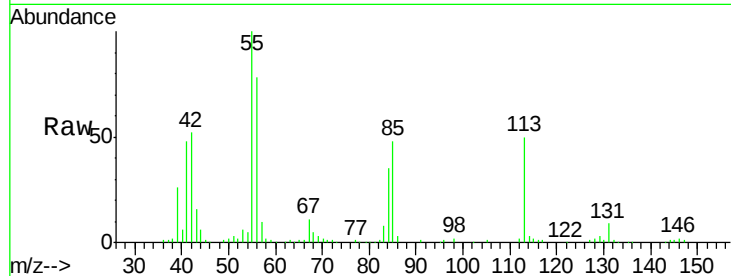




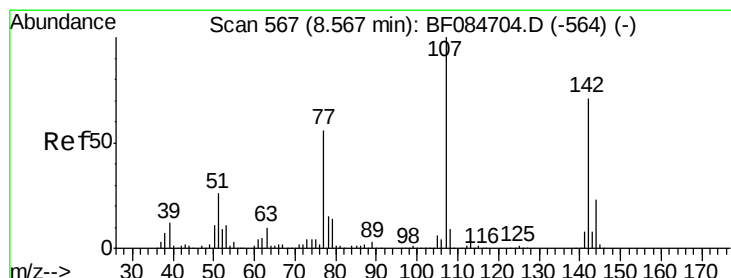
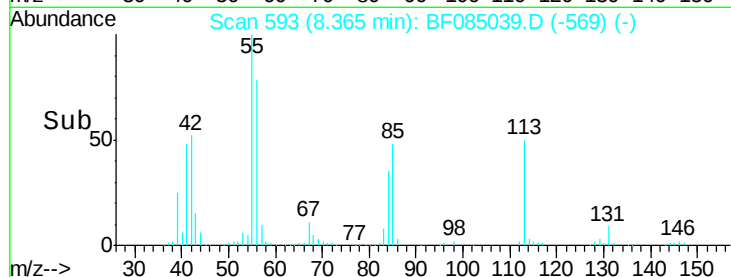
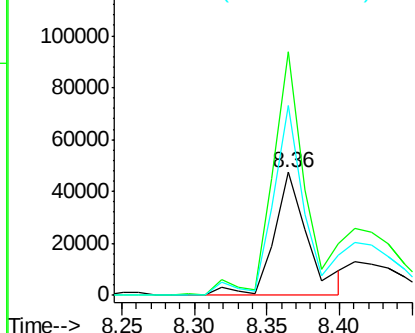
#35
 Caprolactam
 Concen: 30.04 ng
 RT: 8.36 min Scan# 593
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion:113 Resp: 76539
 Ion Ratio Lower Upper
 113 100
 55 198.1 116.9 156.9#
 56 154.7 93.8 133.8#

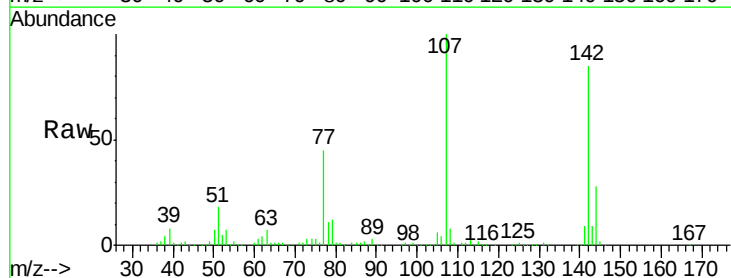


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

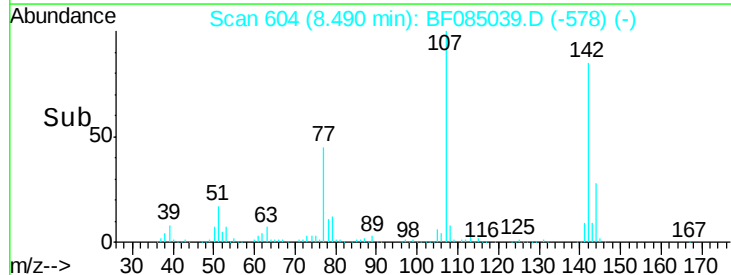
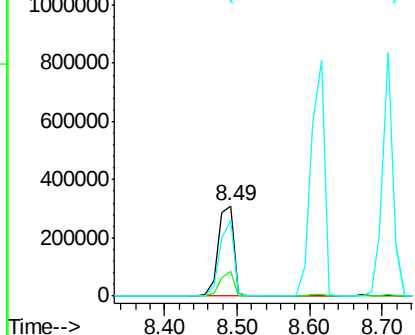


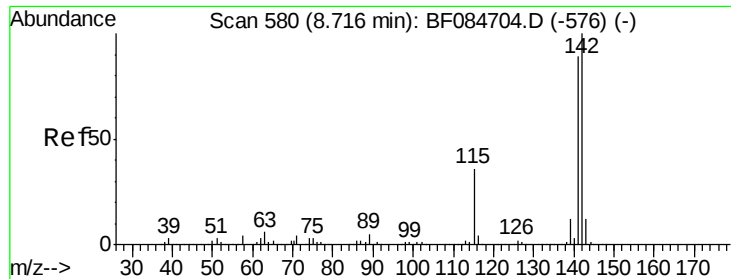
#36
 4-Chloro-3-methylphenol
 Concen: 49.20 ng
 RT: 8.49 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion:107 Resp: 464010
 Ion Ratio Lower Upper
 107 100
 144 27.7 19.7 29.5
 142 84.8 61.8 92.6



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

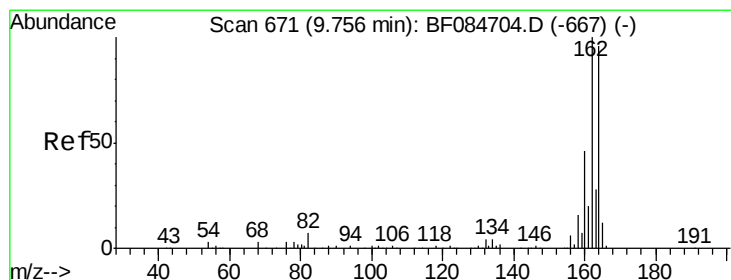
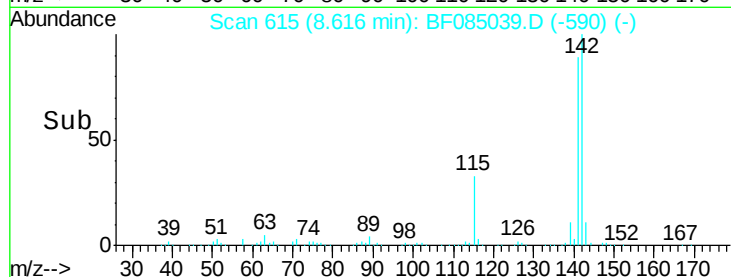
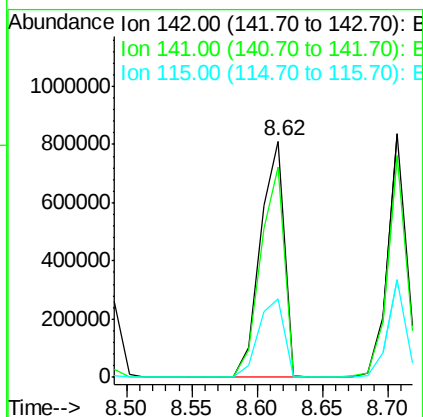
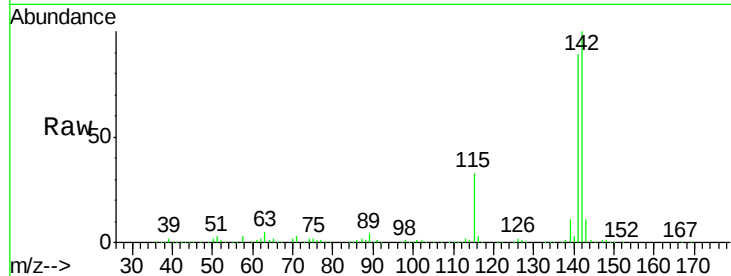




#37
2-Methylnaphthalene
Concen: 55.76 ng
RT: 8.62 min Scan# 615
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

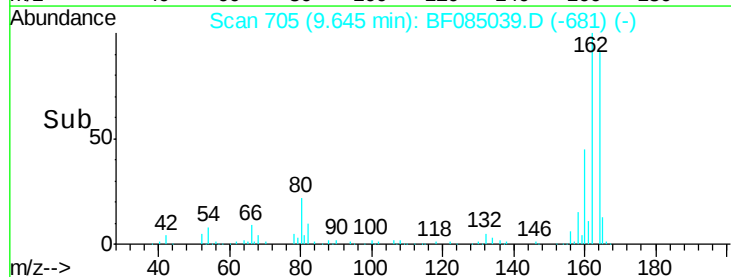
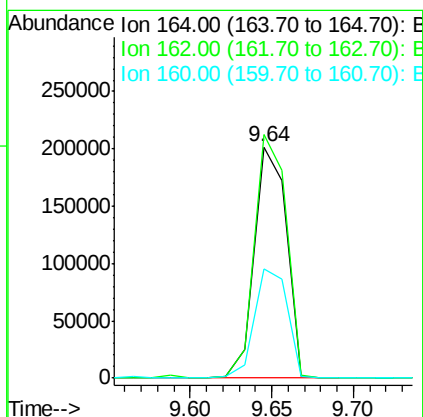
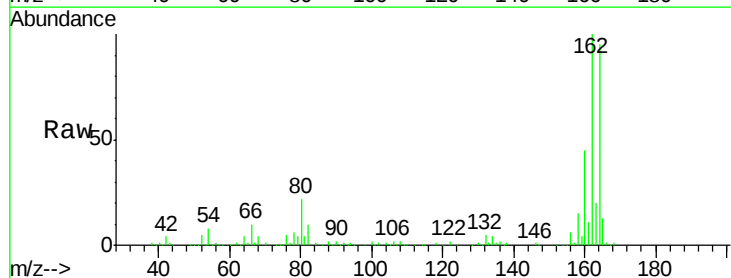
Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

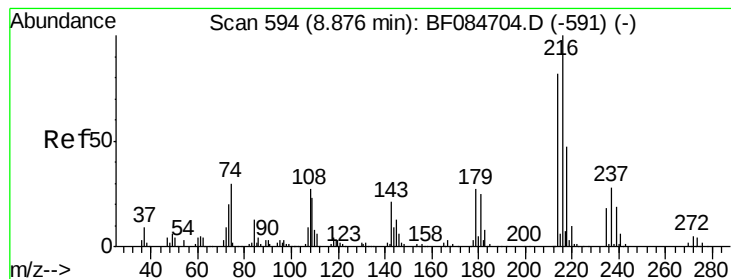
Tgt Ion:142 Resp: 1037248
Ion Ratio Lower Upper
142 100
141 88.8 72.4 108.6
115 33.2 27.9 41.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion:164 Resp: 275235
Ion Ratio Lower Upper
164 100
162 105.5 85.1 127.7
160 47.3 37.5 56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.83 ng

RT: 8.78 min Scan# 629

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

Tgt Ion:216 Resp: 374374

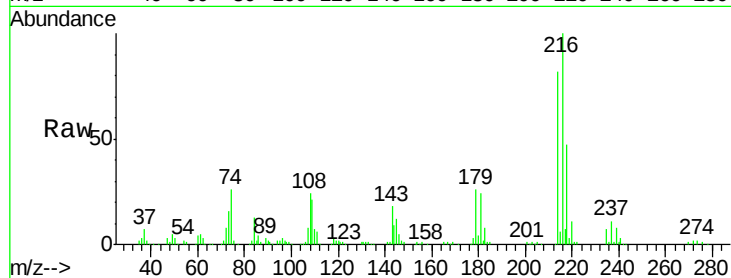
Ion Ratio Lower Upper

216 100

214 79.9 64.2 96.2

179 23.2 18.7 28.1

108 22.3 16.8 25.2

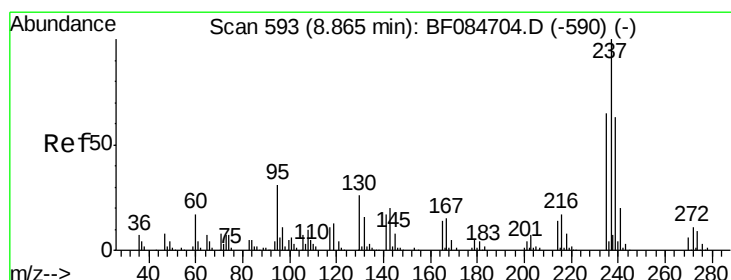
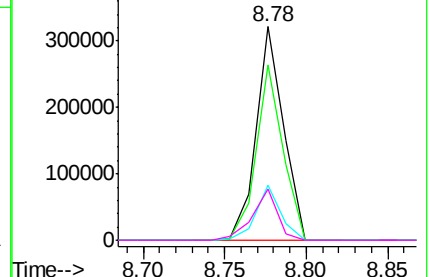
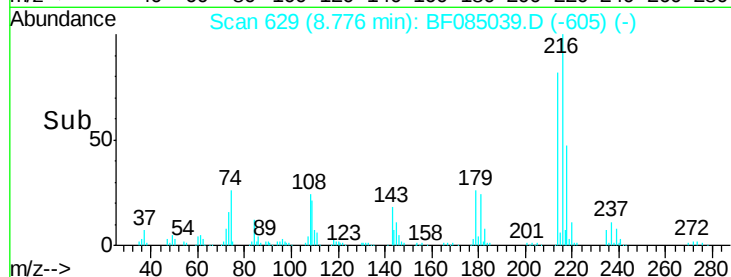


Abundance Ion 216.00 (215.70 to 216.70): E

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: 76.37 ng

RT: 8.76 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

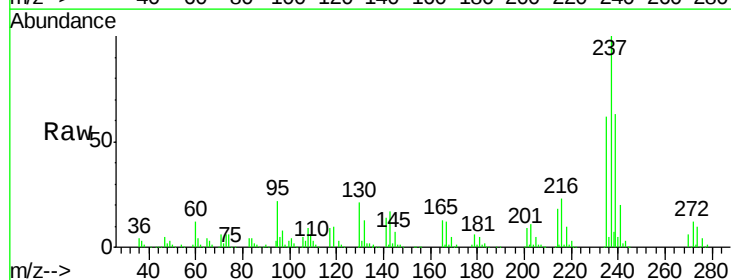
Tgt Ion:237 Resp: 289214

Ion Ratio Lower Upper

237 100

235 62.3 43.1 83.1

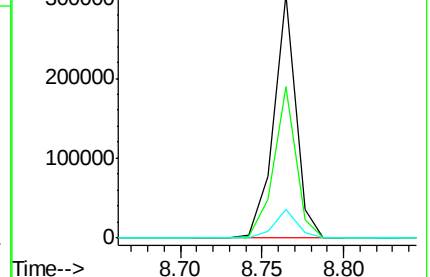
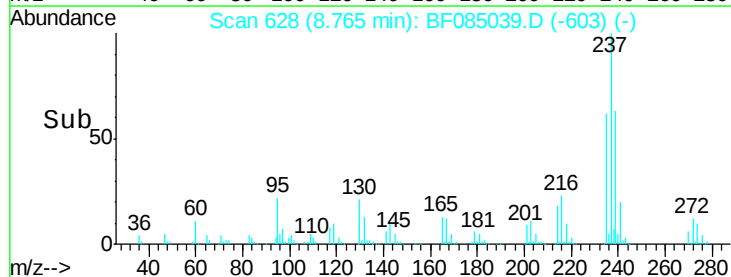
272 11.7 0.0 35.1

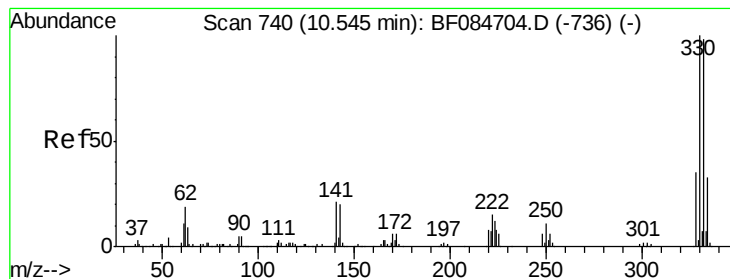


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 145.06 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

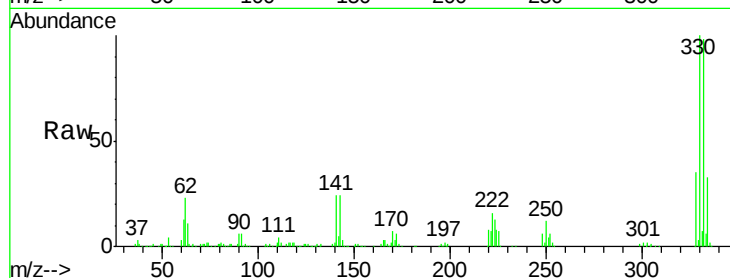
Tgt Ion:330 Resp: 416468

Ion Ratio Lower Upper

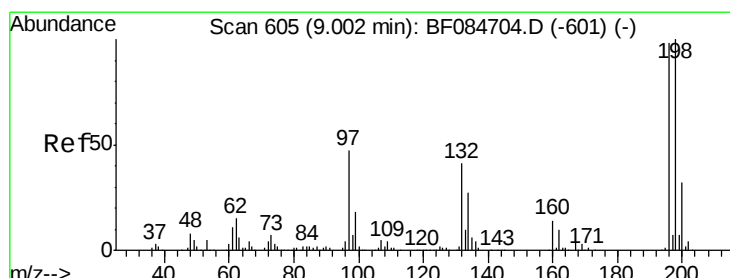
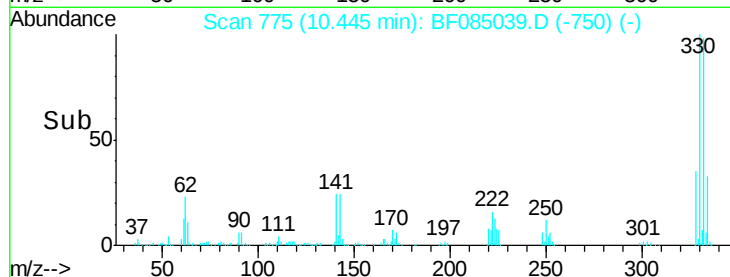
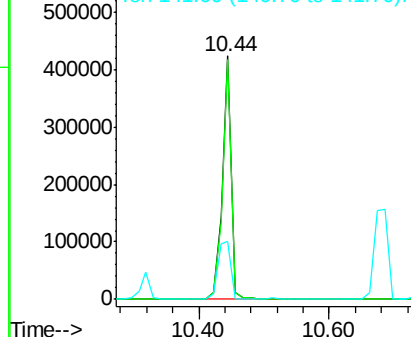
330 100

332 97.5 76.6 114.8

141 34.8 27.8 41.6



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



#42

2,4,6-Trichlorophenol

Concen: 49.29 ng

RT: 8.90 min Scan# 640

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

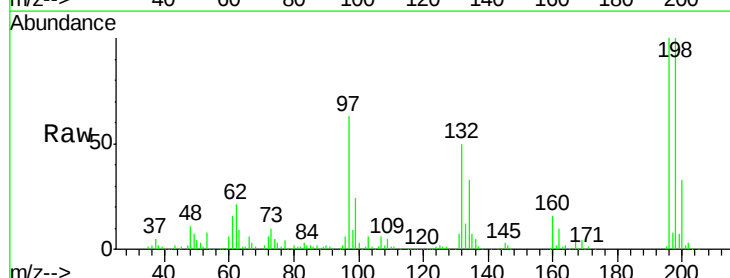
Tgt Ion:196 Resp: 277592

Ion Ratio Lower Upper

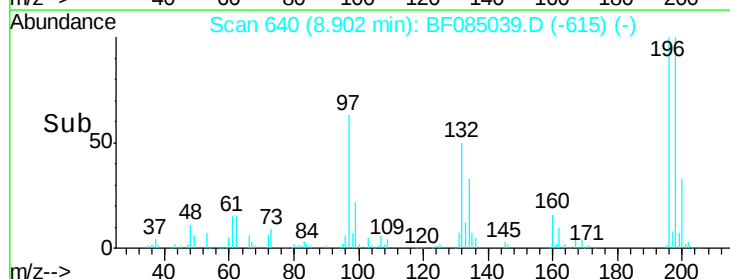
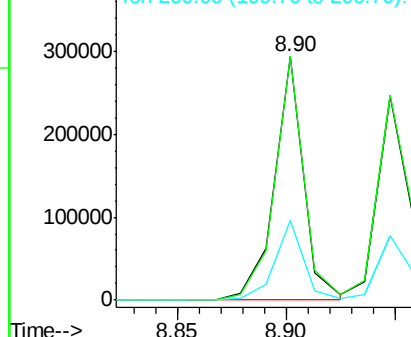
196 100

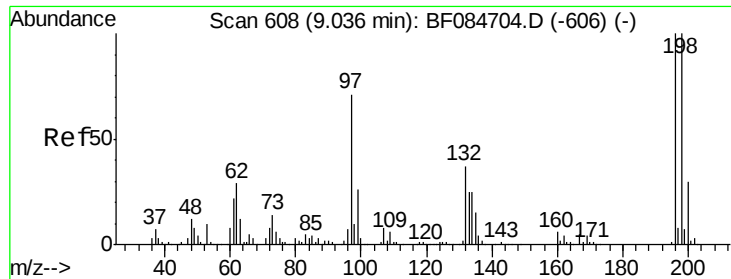
198 100.1 77.7 116.5

200 32.8 24.6 37.0



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

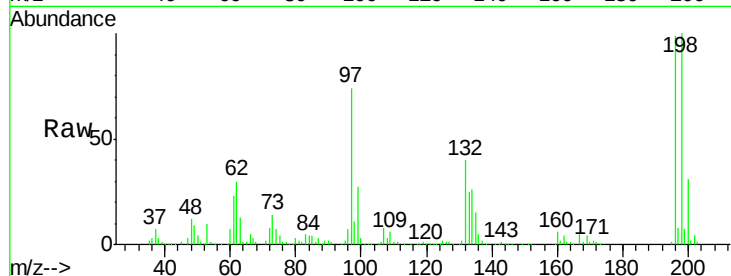




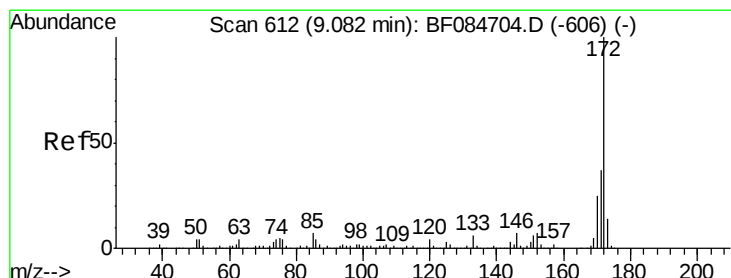
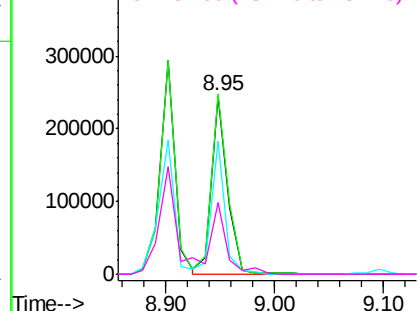
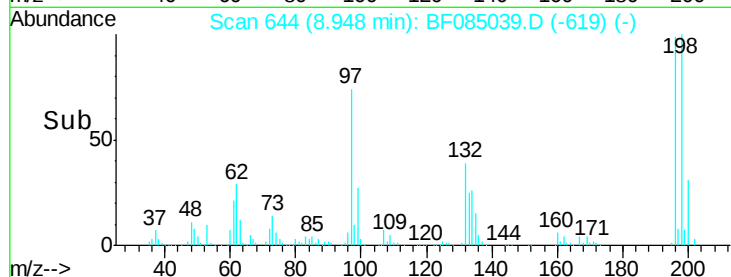
#43
 2,4,5-Trichlorophenol
 Concen: 44.40 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion:196 Resp: 254050
 Ion Ratio Lower Upper
 196 100
 198 101.0 79.0 118.6
 97 75.0 33.0 49.6#
 132 39.9 21.1 31.7#

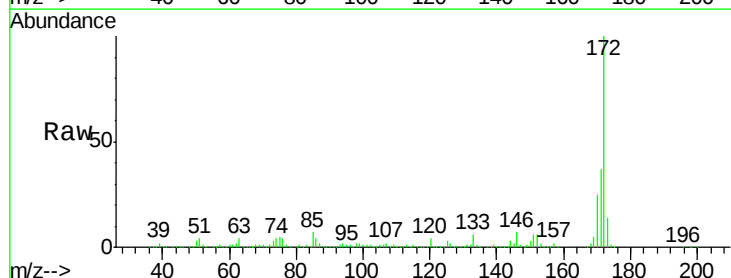


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

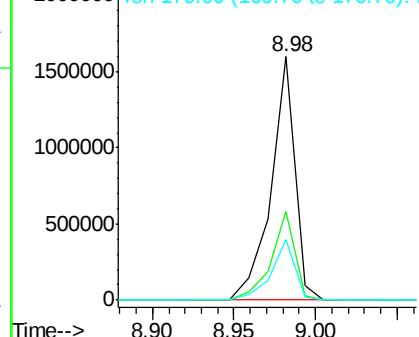
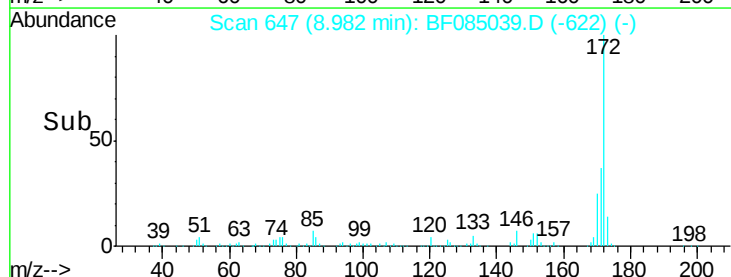


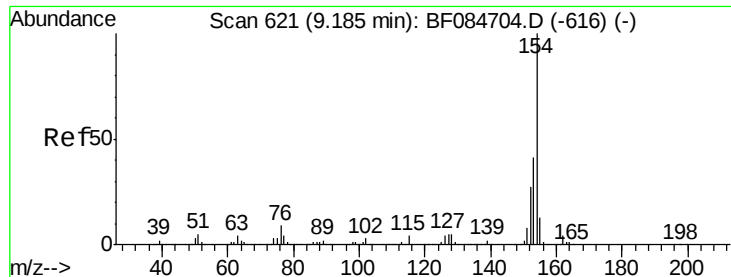
#44
 2-Fluorobiphenyl
 Concen: 110.83 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion:172 Resp: 1627446
 Ion Ratio Lower Upper
 172 100
 171 36.6 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

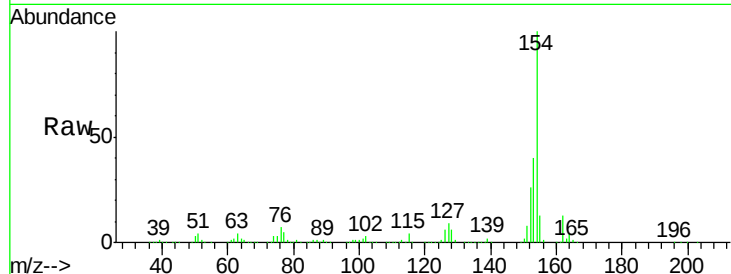




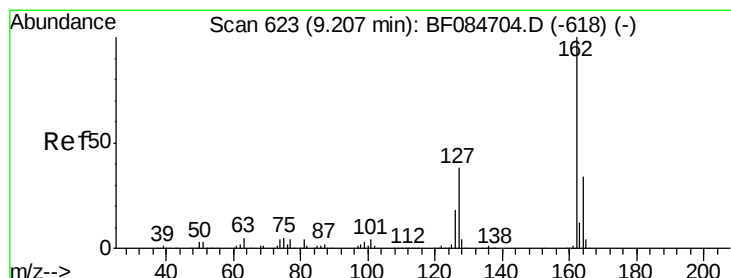
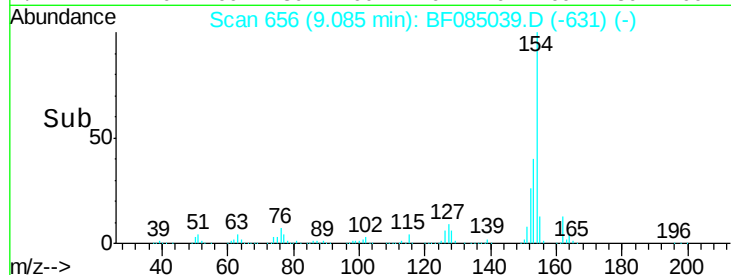
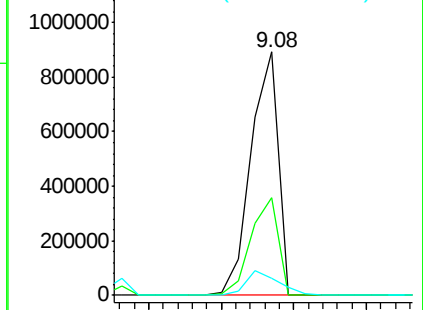
#45
 1,1'-Biphenyl
 Concen: 47.23 ng
 RT: 9.08 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion:154 Resp: 1161021
 Ion Ratio Lower Upper
 154 100
 153 40.1 21.6 61.6
 76 7.1 0.0 32.7

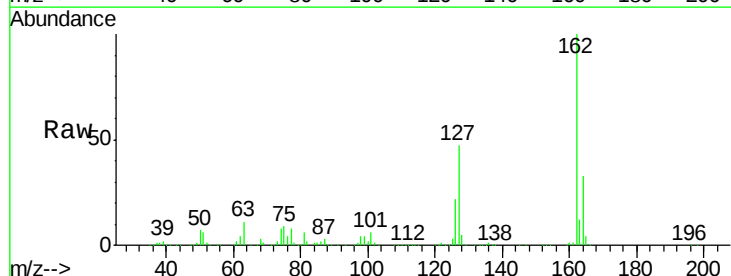


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

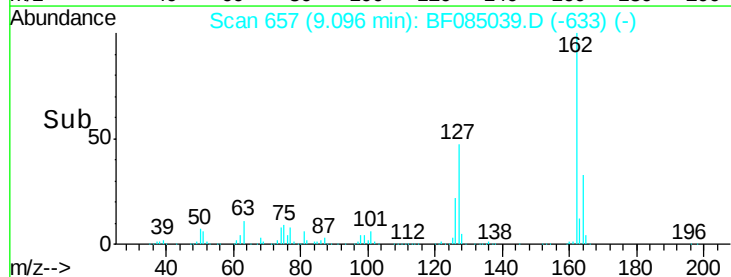
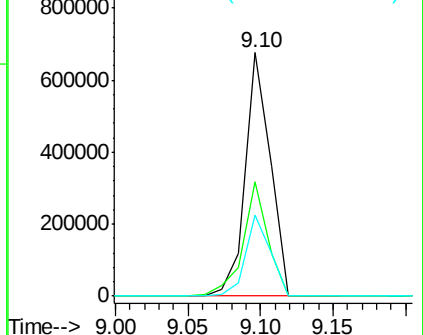


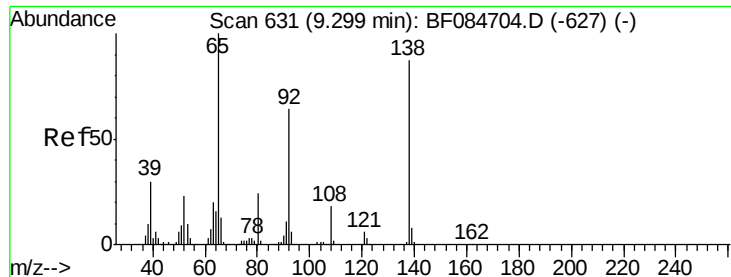
#46
 2-Chloronaphthalene
 Concen: 44.45 ng
 RT: 9.10 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion:162 Resp: 804789
 Ion Ratio Lower Upper
 162 100
 127 46.8 40.2 60.4
 164 33.1 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

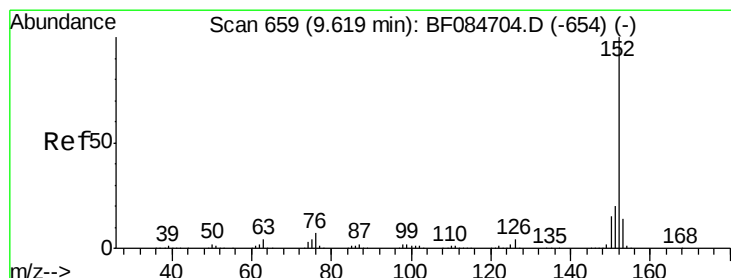
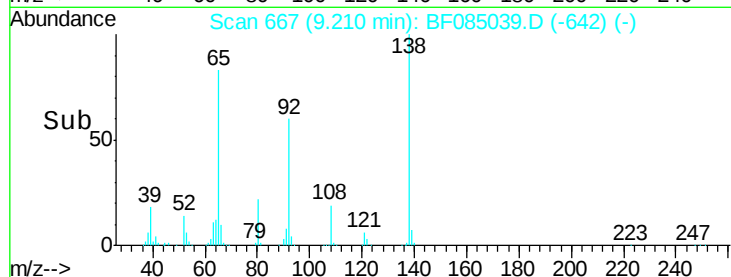
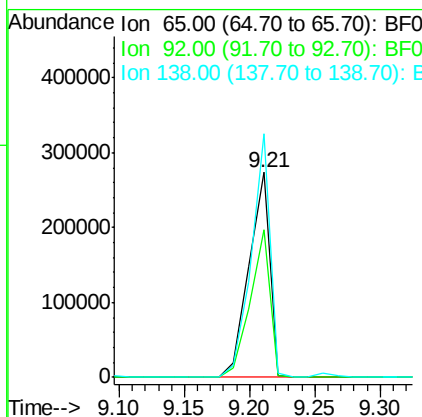
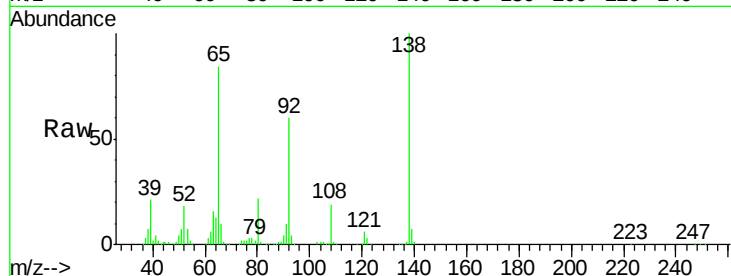




#47
2-Nitroaniline
Concen: 53.48 ng
RT: 9.21 min Scan# 667
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

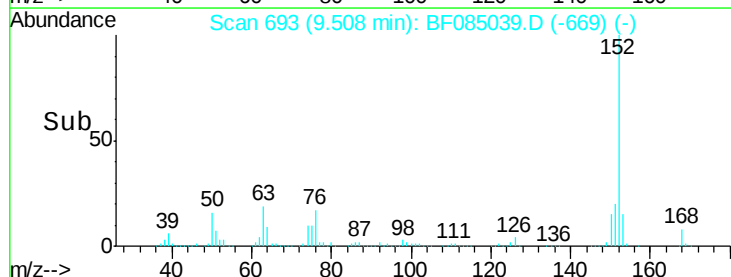
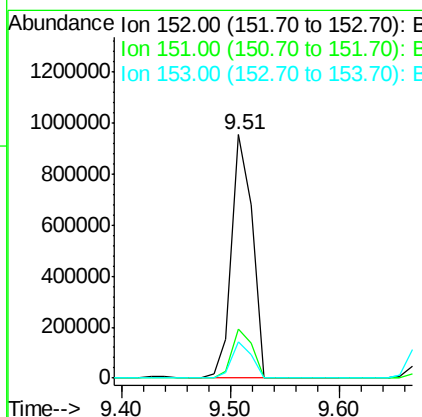
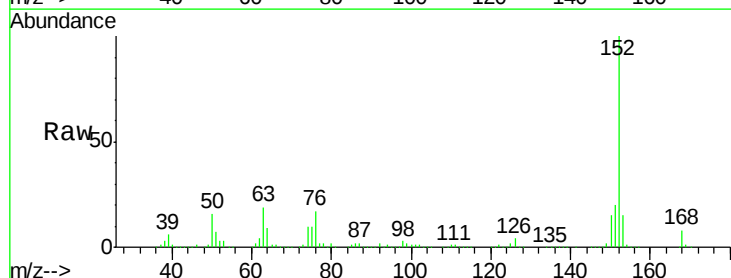
Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

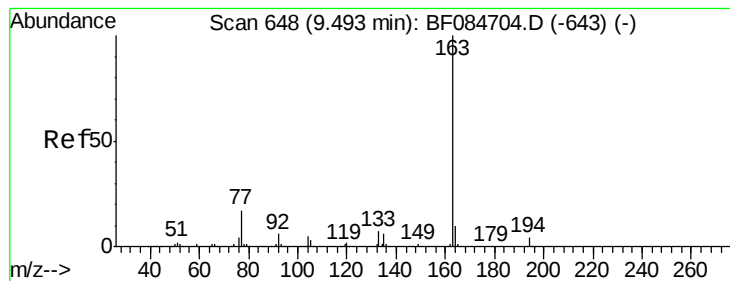
Tgt Ion: 65 Resp: 306566
Ion Ratio Lower Upper
65 100
92 71.9 53.4 80.2
138 118.9 71.1 106.7#



#48
Acenaphthylene
Concen: 45.23 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.02 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion: 152 Resp: 1242720
Ion Ratio Lower Upper
152 100
151 20.4 16.3 24.5
153 14.9 10.4 15.6





#49

Dimethylphthalate

Concen: 46.28 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

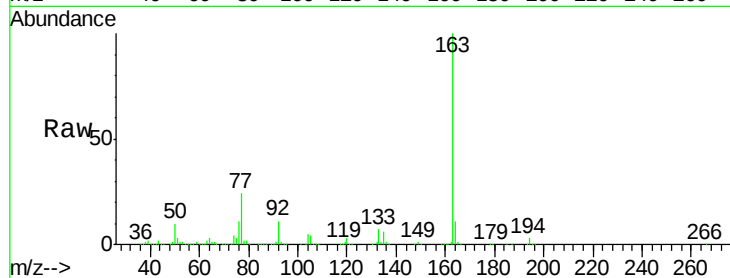
Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

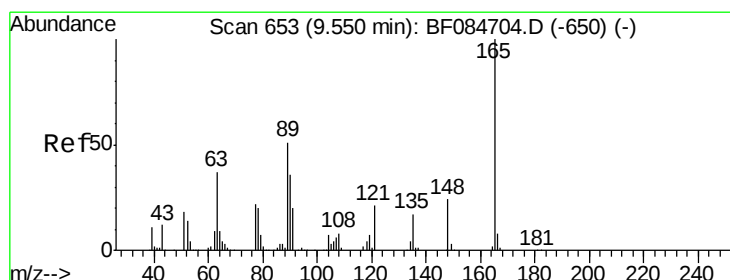
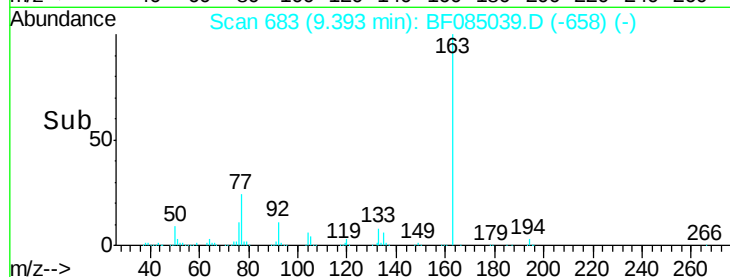
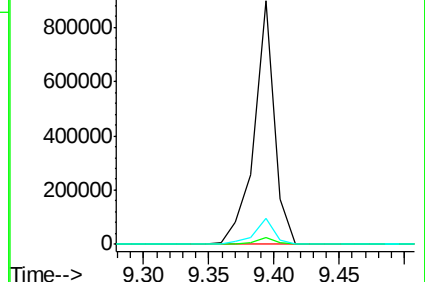
Tgt Ion:	163	Resp:	970235
Ion Ratio	Lower	Upper	
163	100		
194	3.0	8.0	12.0#
164	10.6	8.0	12.0



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: 42.71 ng

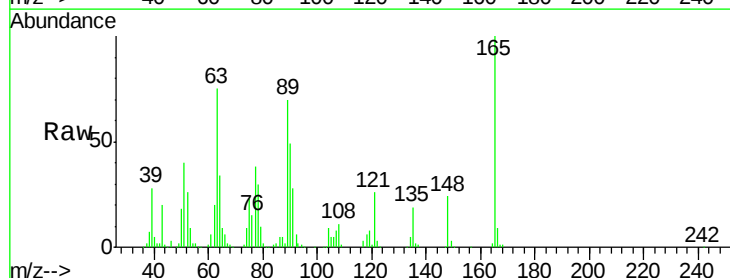
RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

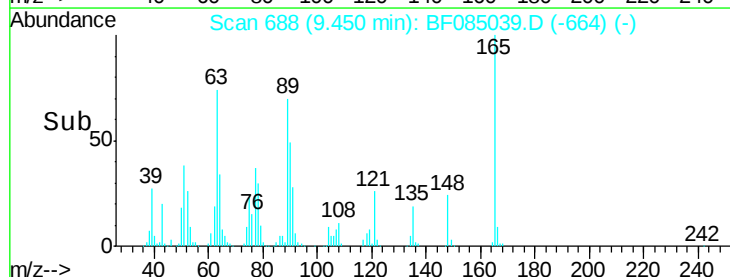
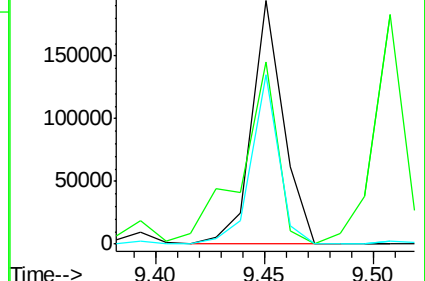
Tgt Ion:	165	Resp:	195598
Ion Ratio	Lower	Upper	
165	100		
63	74.7	28.8	43.2#
89	69.7	35.1	52.7#

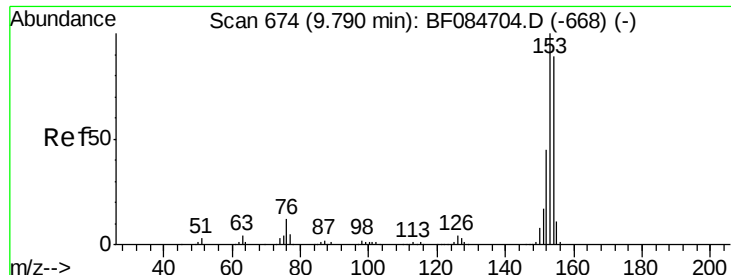


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 44.92 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

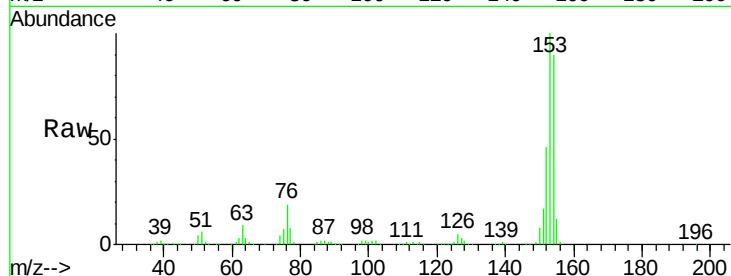
Tgt Ion:154 Resp: 802936

Ion Ratio Lower Upper

154 100

153 110.8 91.5 137.3

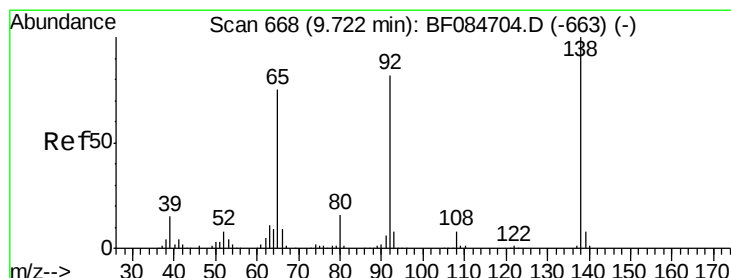
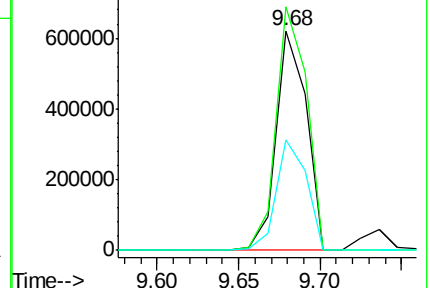
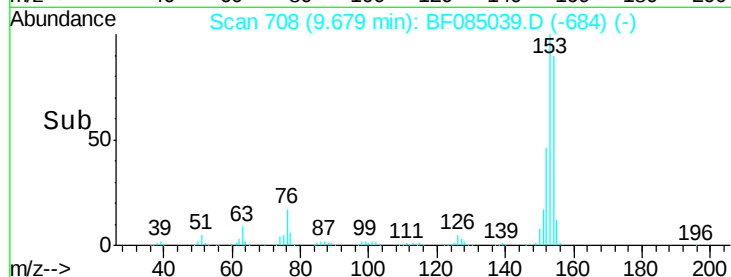
152 50.5 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 14.07 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

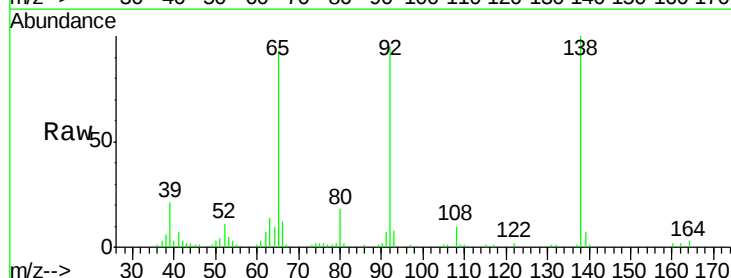
Tgt Ion:138 Resp: 72390

Ion Ratio Lower Upper

138 100

108 9.6 10.5 15.7#

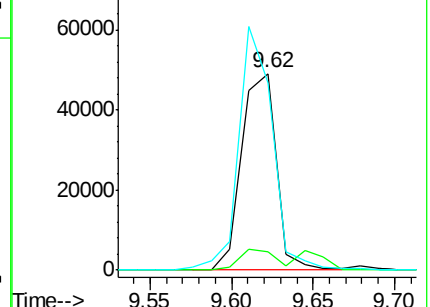
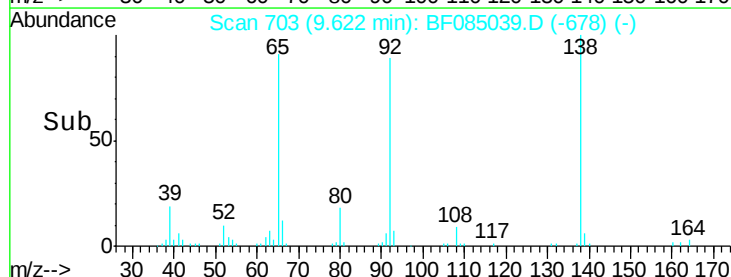
92 95.2 103.9 155.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

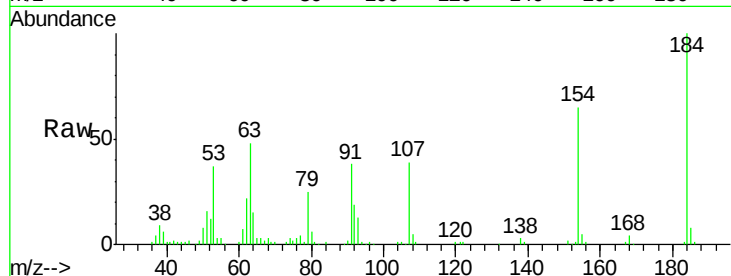




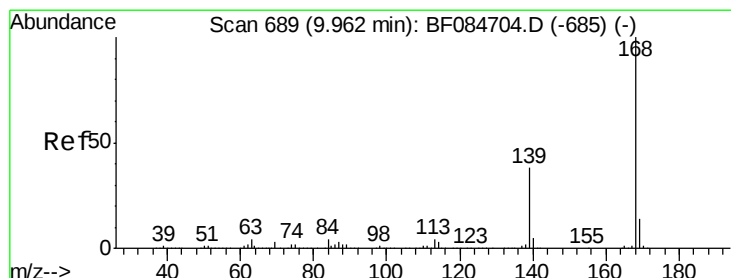
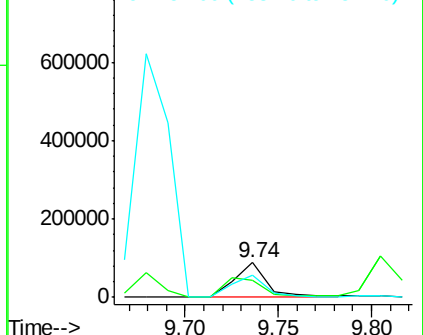
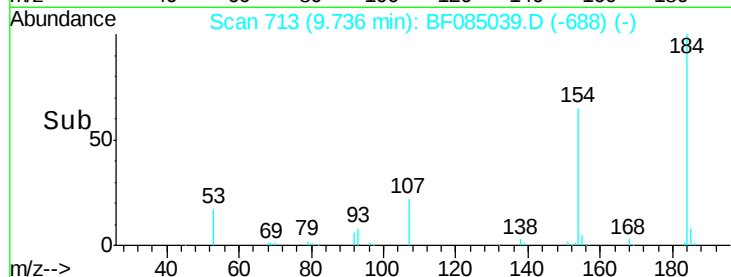
#53
2,4-Dinitrophenol
Concen: 52.76 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion:184 Resp: 107012
Ion Ratio Lower Upper
184 100
63 48.0 43.1 64.7
154 64.5 60.5 90.7

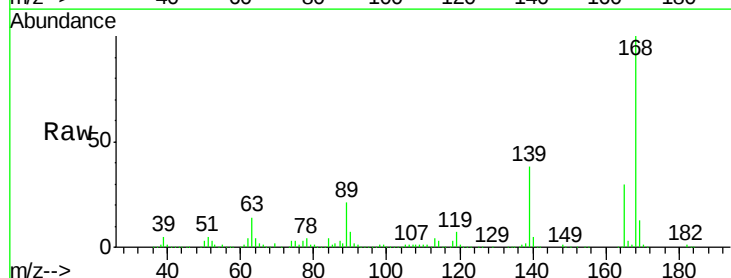


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

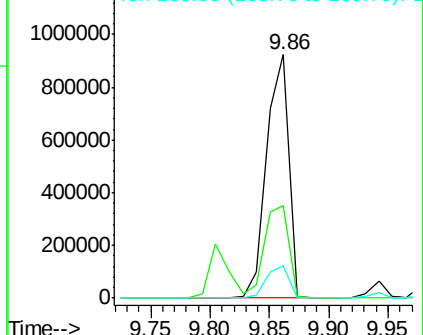
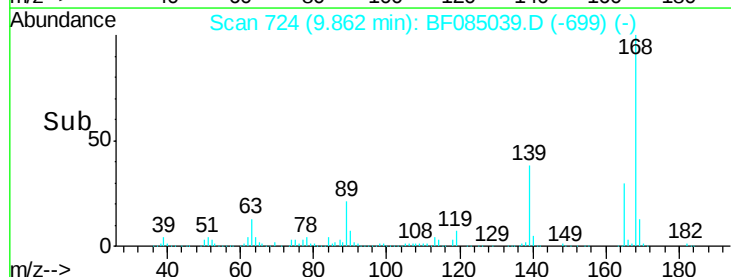


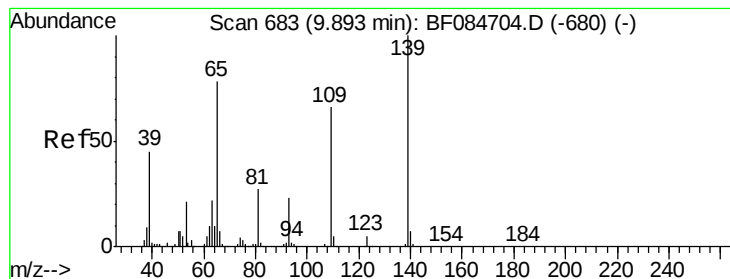
#54
Dibenzofuran
Concen: 55.10 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion:168 Resp: 1203623
Ion Ratio Lower Upper
168 100
139 37.8 30.5 45.7
169 13.3 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: 61.86 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

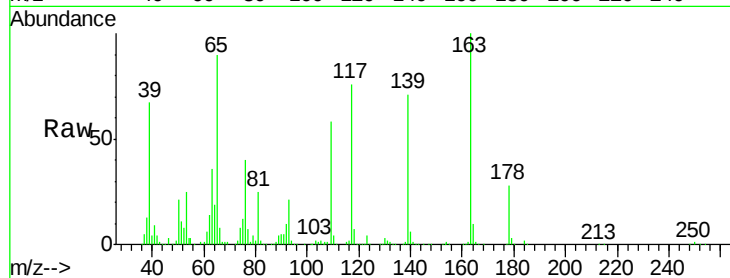
Tgt Ion:139 Resp: 233970

Ion Ratio Lower Upper

139 100

109 81.9 58.5 98.5

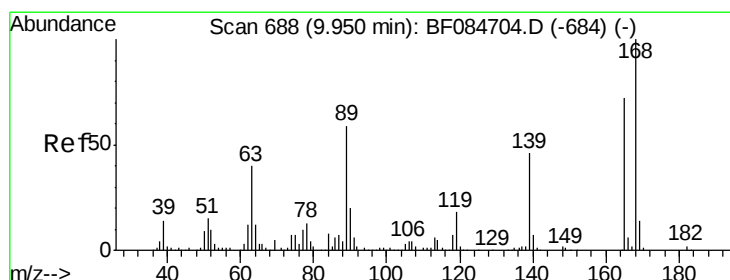
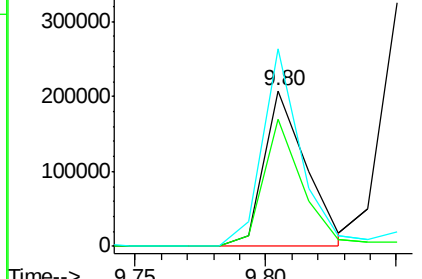
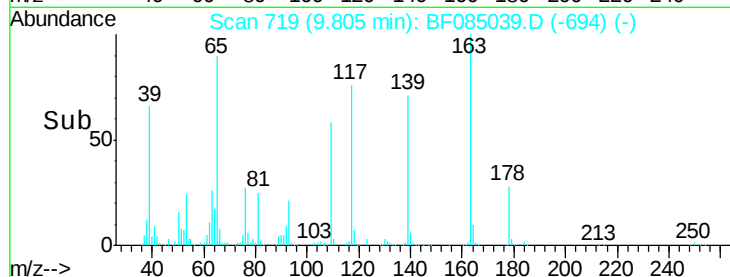
65 127.3 57.6 97.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 52.02 ng

RT: 9.86 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:165 Resp: 303839

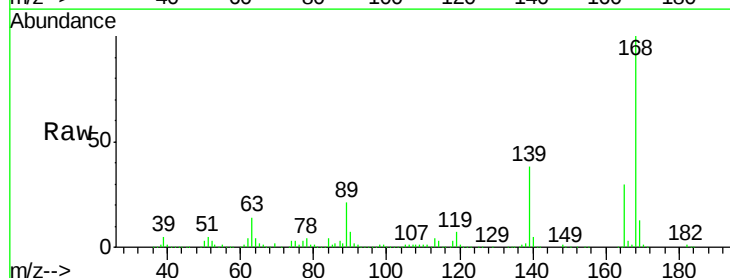
Ion Ratio Lower Upper

165 100

63 44.5 36.7 55.1

89 67.4 61.9 92.9

182 2.0 2.0 3.0#

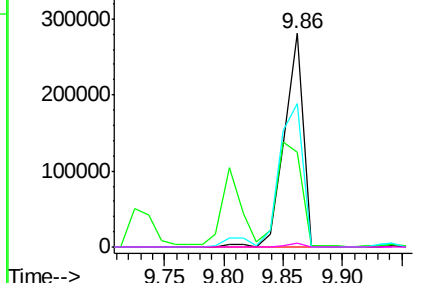
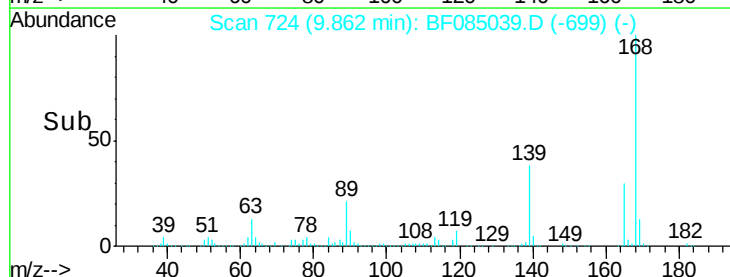


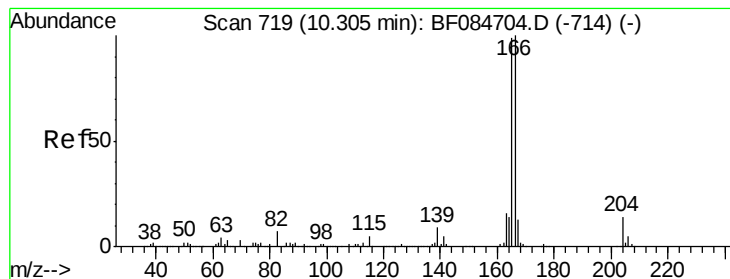
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 48.36 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

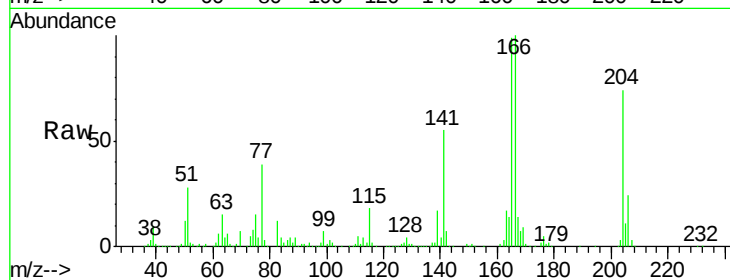
Tgt Ion:166 Resp: 882257

Ion Ratio Lower Upper

166 100

165 99.4 79.1 118.7

167 14.4 10.4 15.6

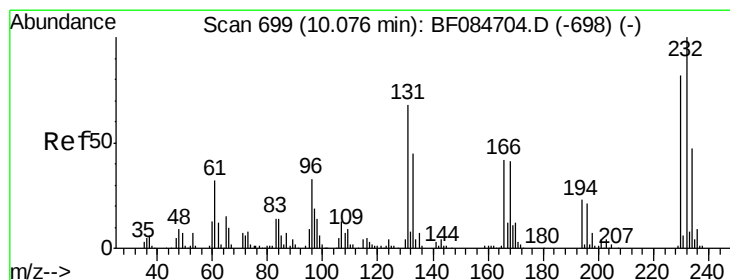
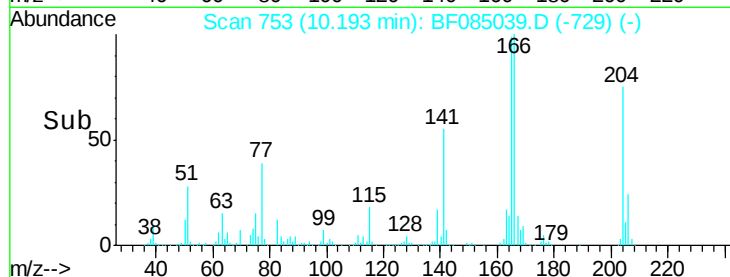
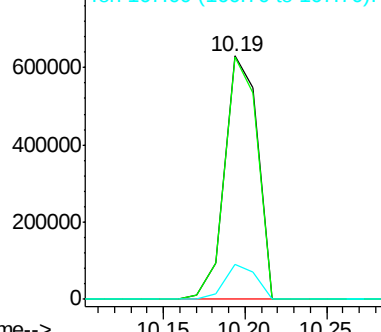


Abundance

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: 55.20 ng

RT: 9.99 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion:232 Resp: 240424

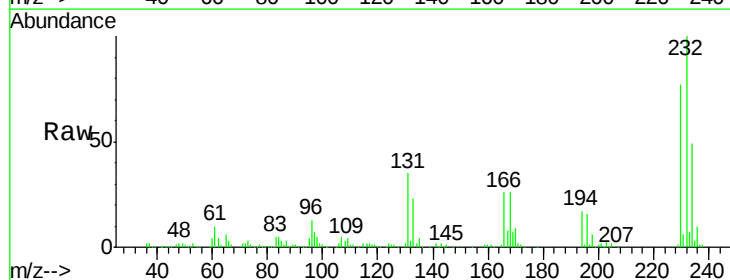
Ion Ratio Lower Upper

232 100

131 46.0 47.0 70.6#

130 2.2 2.0 3.0

166 29.8 30.5 45.7#



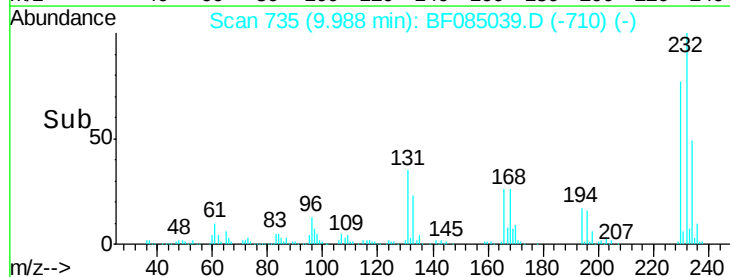
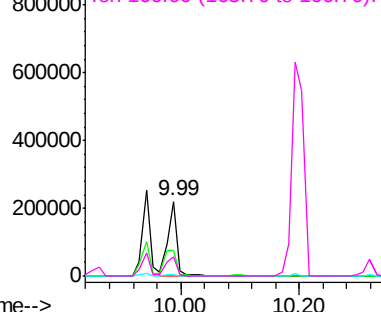
Abundance

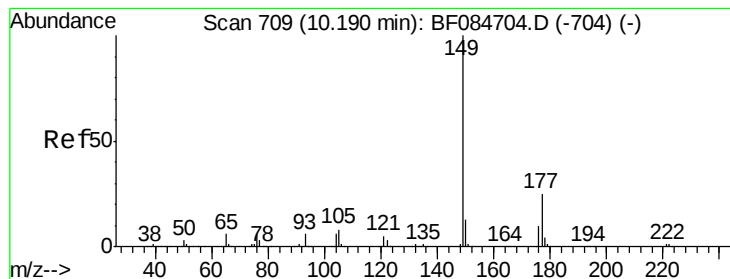
Ion 232.00 (231.70 to 232.70): E

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: 46.04 ng

RT: 10.09 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

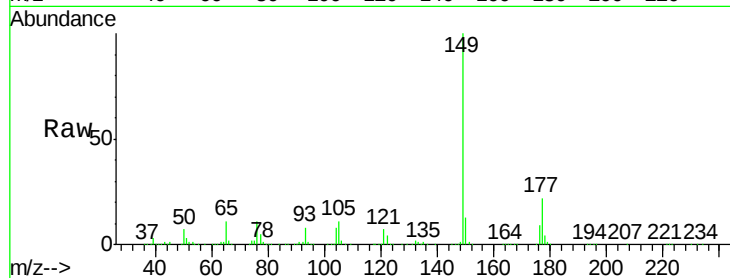
Tgt Ion:149 Resp: 942443

Ion Ratio Lower Upper

149 100

177 21.6 17.3 25.9

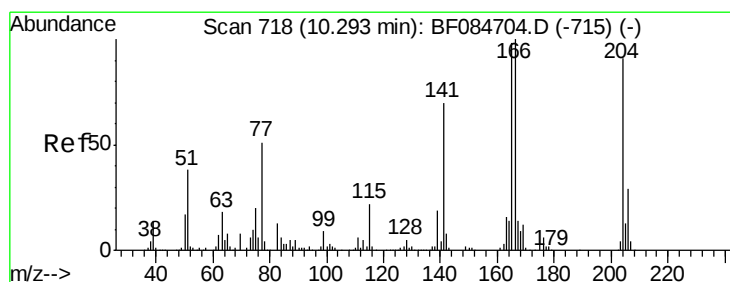
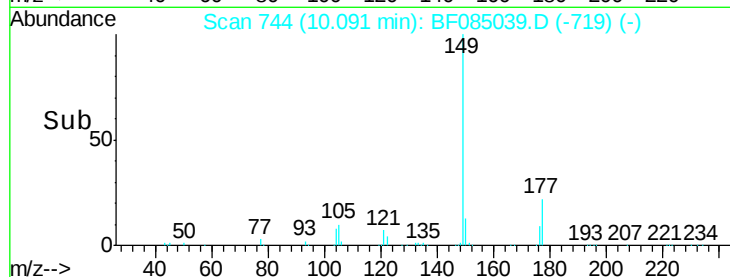
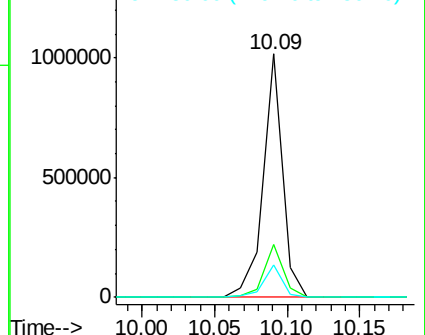
150 13.1 9.8 14.8



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: 52.91 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

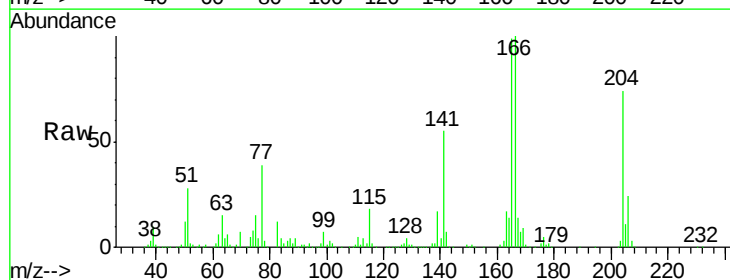
Tgt Ion:204 Resp: 395740

Ion Ratio Lower Upper

204 100

206 32.7 25.7 38.5

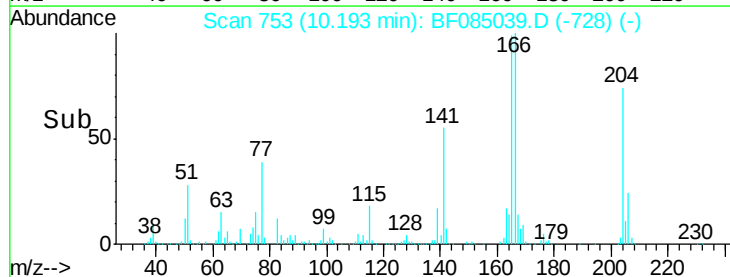
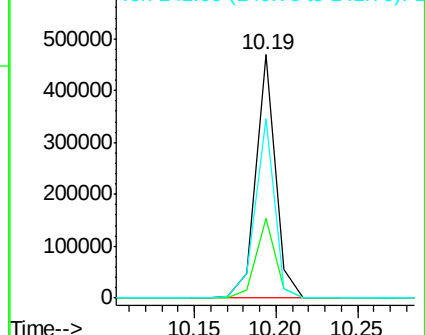
141 73.8 55.1 82.7

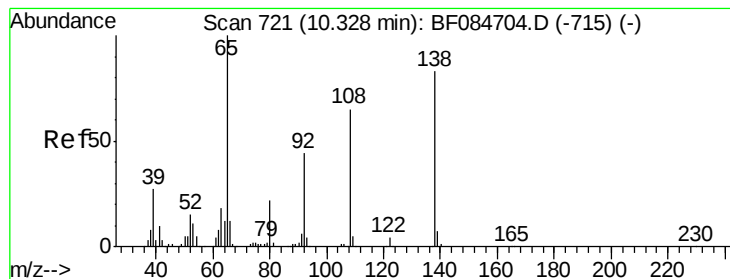


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 46.80 ng

RT: 10.24 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

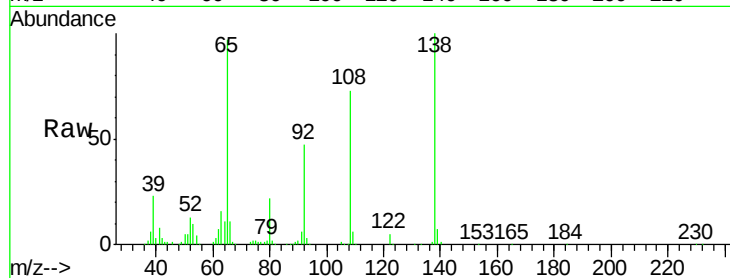
Tgt Ion:138 Resp: 234689

Ion Ratio Lower Upper

138 100

92 46.7 32.6 72.6

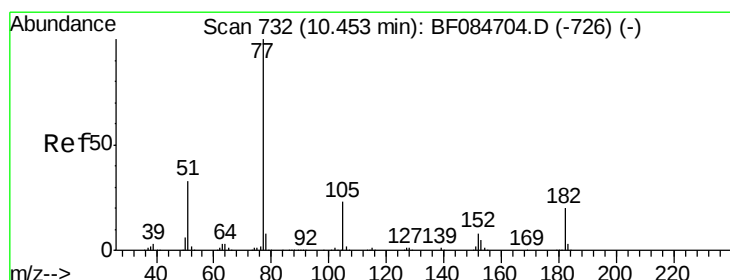
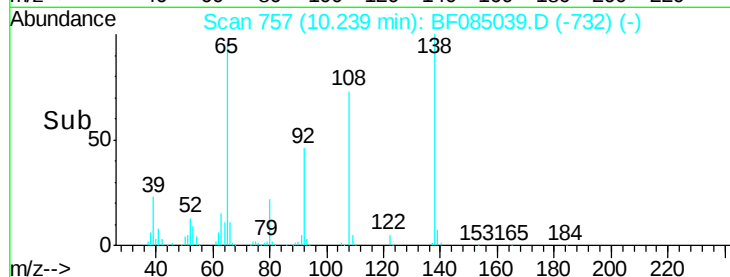
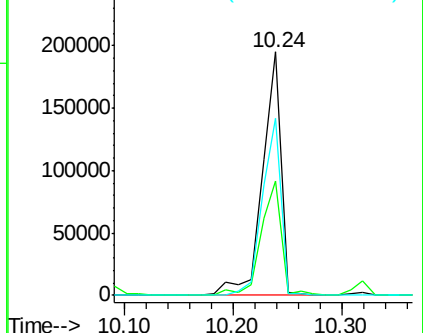
108 73.0 68.6 108.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 52.84 ng

RT: 10.35 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Tgt Ion: 77 Resp: 1040130

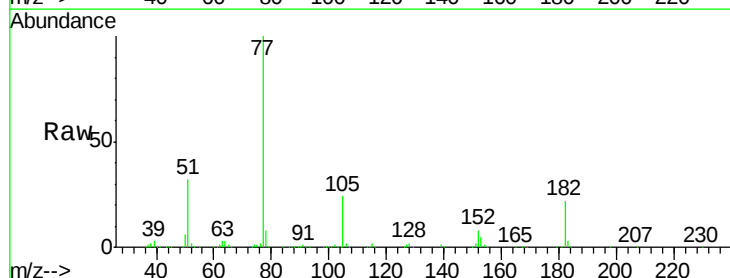
Ion Ratio Lower Upper

77 100

182 22.4 8.3 48.3

105 23.6 4.6 44.6

51 32.1 6.2 46.2

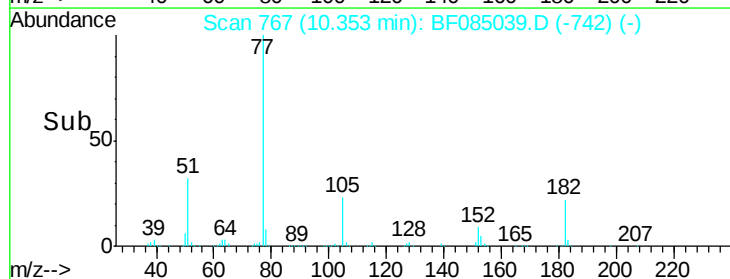
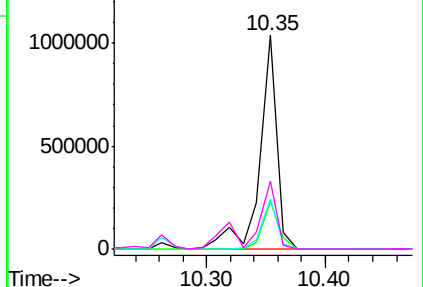


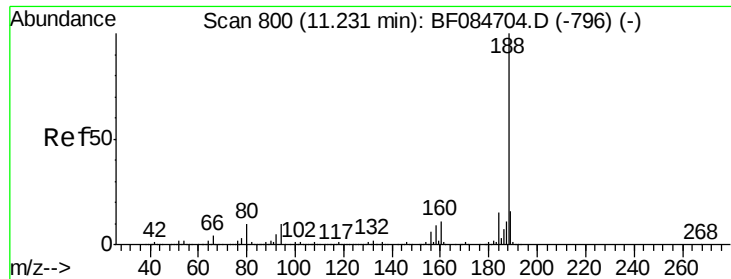
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

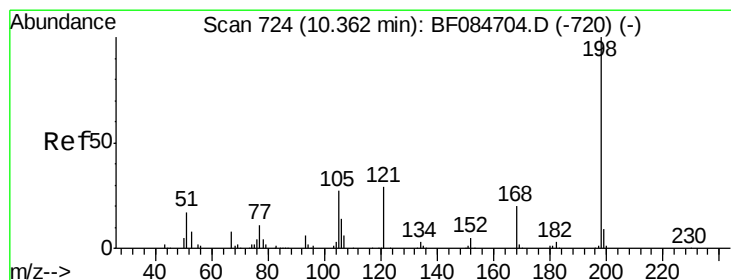
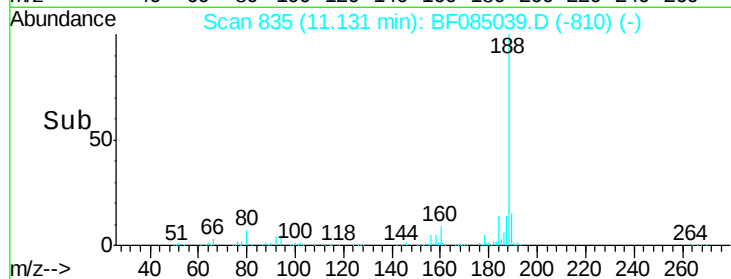
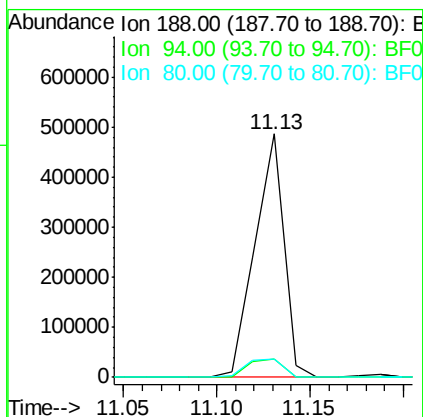
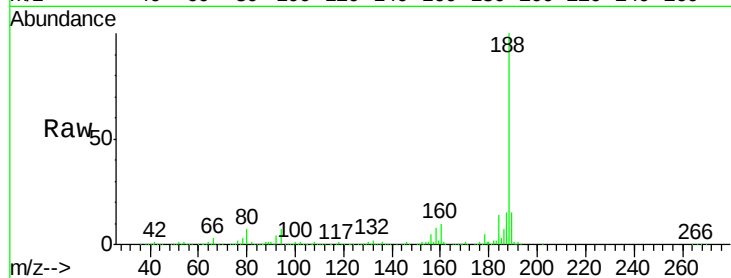




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

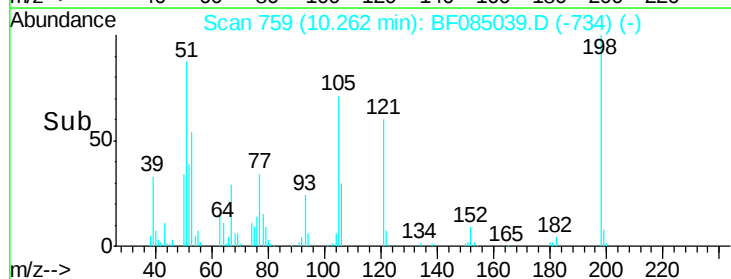
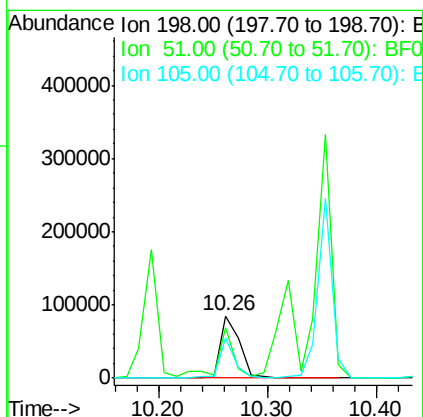
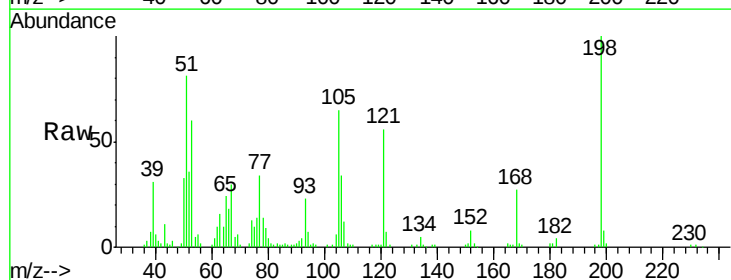
Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

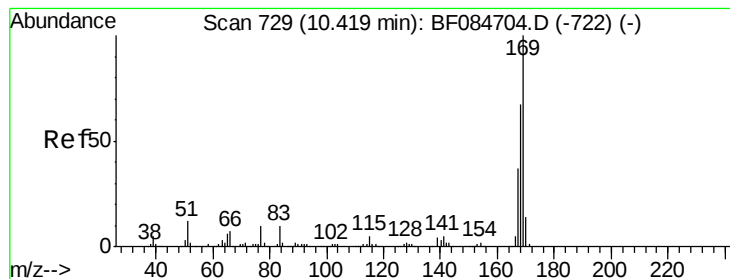
Tgt Ion:188 Resp: 522705
Ion Ratio Lower Upper
188 100
94 7.3 9.0 13.4#
80 7.4 9.6 14.4#



#64
4,6-Dinitro-2-methylphenol
Concen: 32.49 ng
RT: 10.26 min Scan# 759
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion:198 Resp: 104820
Ion Ratio Lower Upper
198 100
51 80.7 18.9 58.9#
105 65.0 26.4 66.4





#65

n-Nitrosodiphenylamine

Concen: 49.54 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

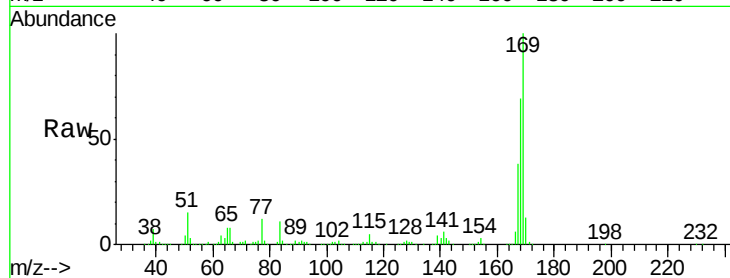
Tgt Ion:169 Resp: 822320

Ion Ratio Lower Upper

169 100

168 68.7 55.1 82.7

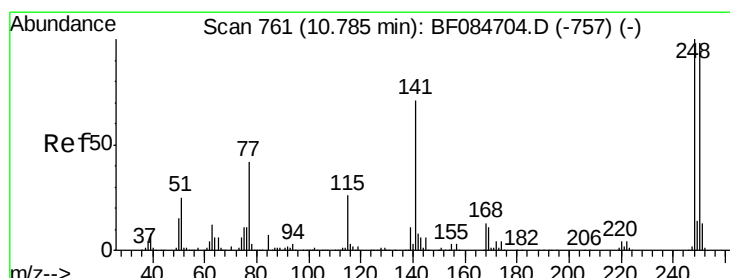
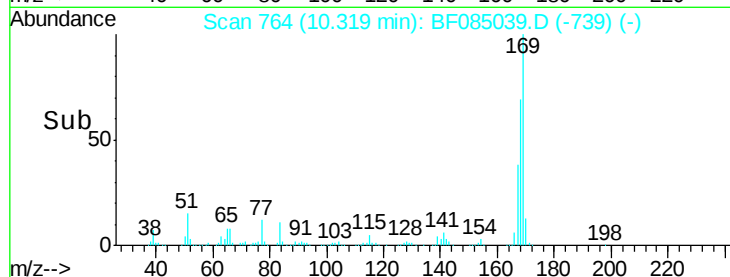
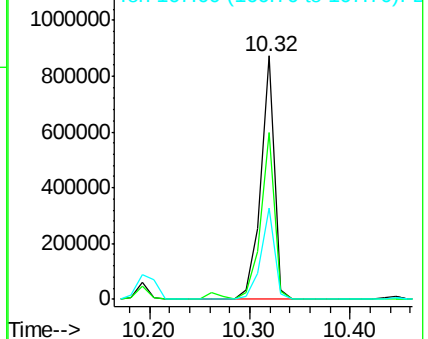
167 37.7 30.0 45.0



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: 50.95 ng

RT: 10.68 min Scan# 796

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

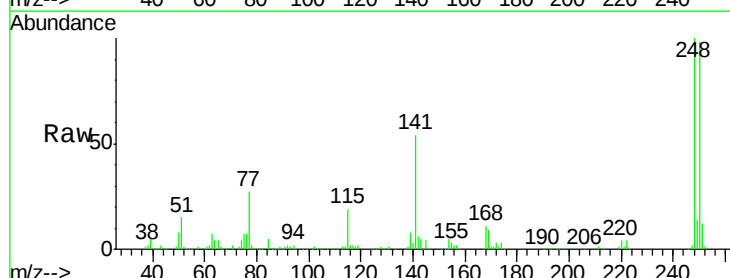
Tgt Ion:248 Resp: 294121

Ion Ratio Lower Upper

248 100

250 97.8 78.4 117.6

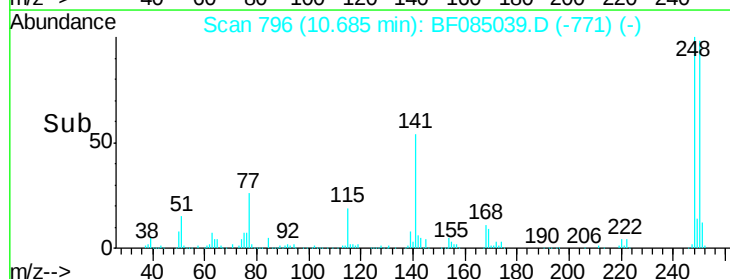
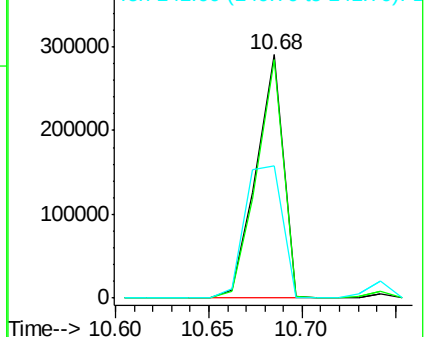
141 54.2 44.0 66.0

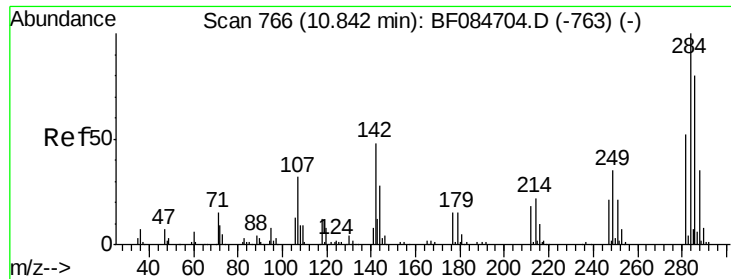


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 44.97 ng

RT: 10.74 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

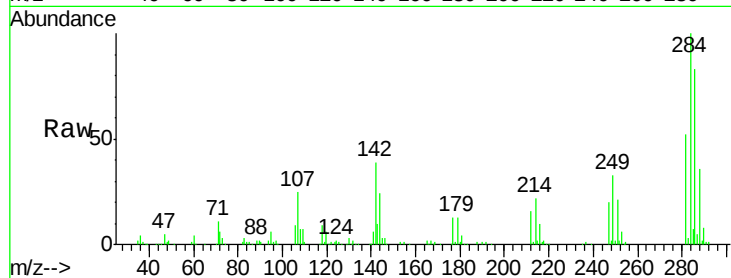
Tgt Ion:284 Resp: 282866

Ion Ratio Lower Upper

284 100

142 39.4 22.2 33.4#

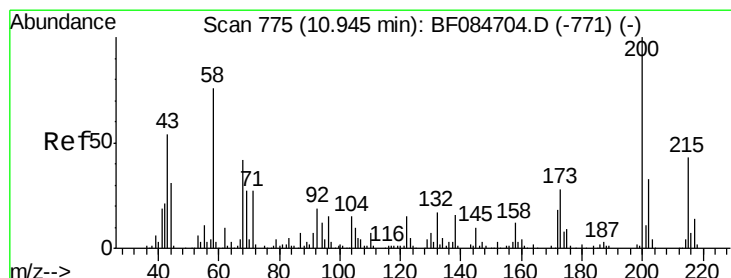
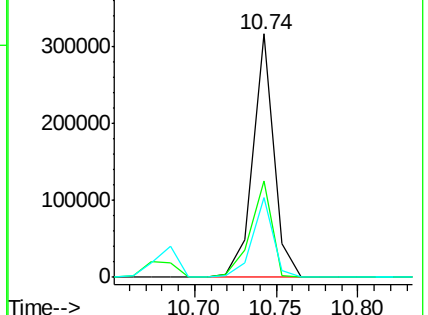
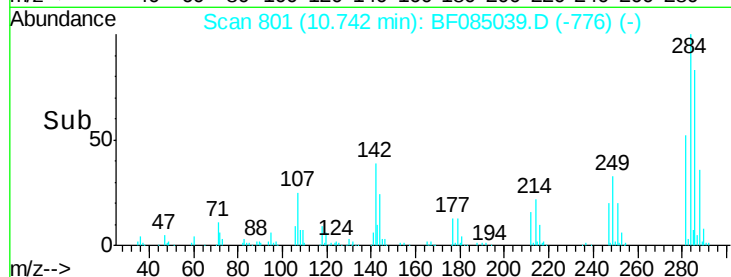
249 32.8 24.6 37.0



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: 56.56 ng

RT: 10.86 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

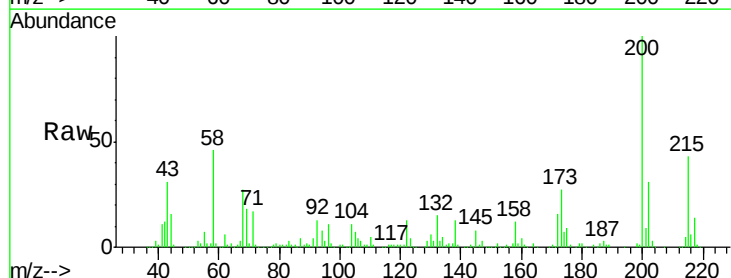
Tgt Ion:200 Resp: 296480

Ion Ratio Lower Upper

200 100

173 26.5 9.5 49.5

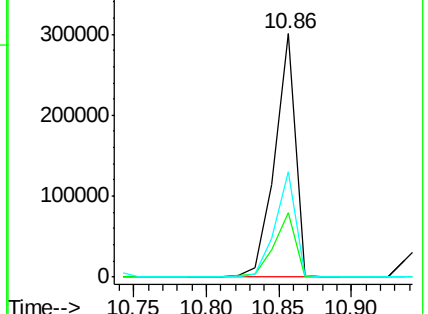
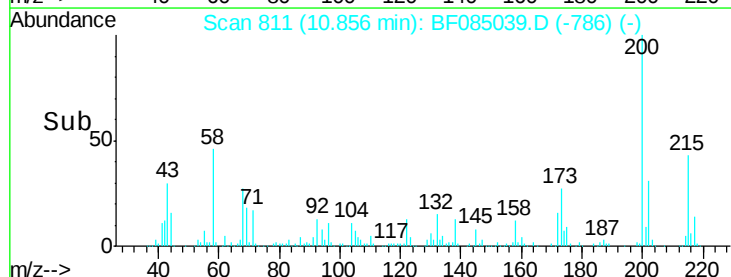
215 43.1 23.8 63.8

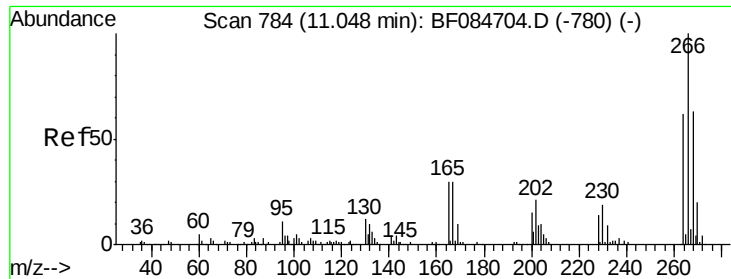


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

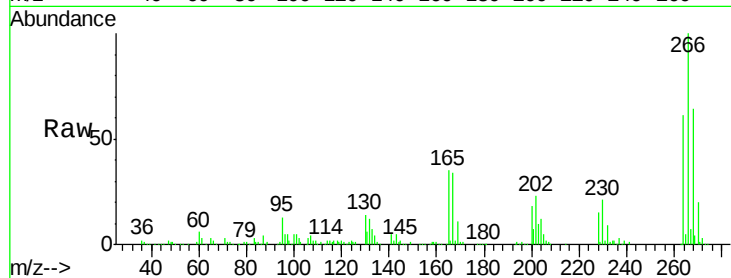




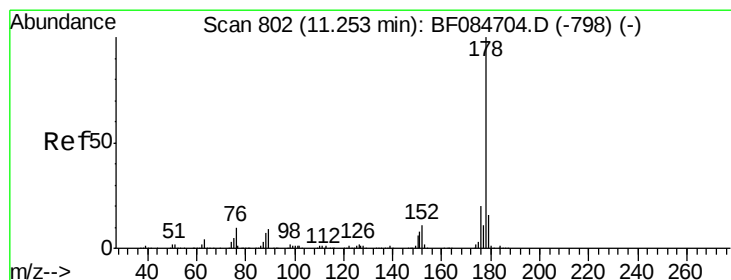
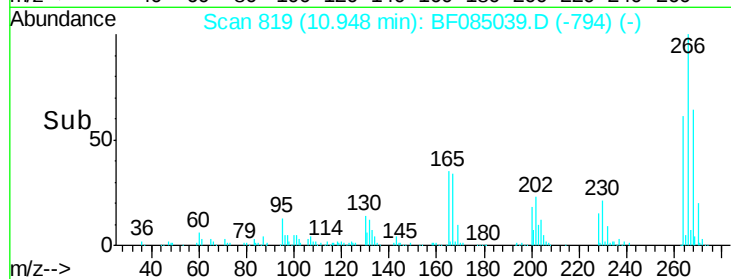
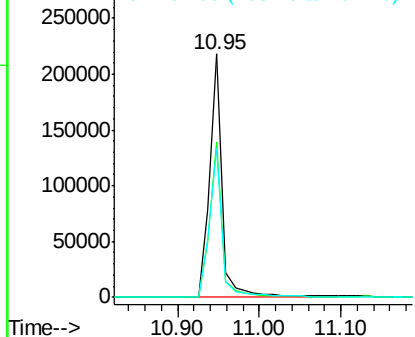
#69
 Pentachlorophenol
 Concen: 82.06 ng
 RT: 10.95 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion:266 Resp: 242598
 Ion Ratio Lower Upper
 266 100
 268 63.6 52.4 78.6
 264 61.1 50.2 75.2

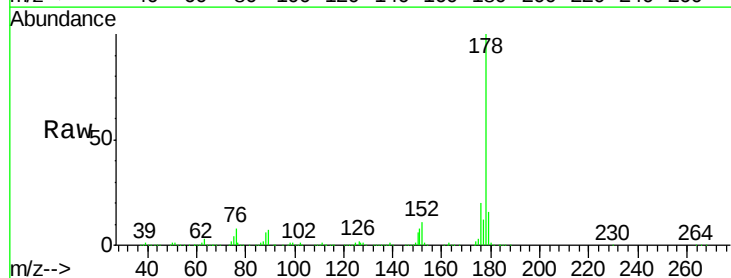


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

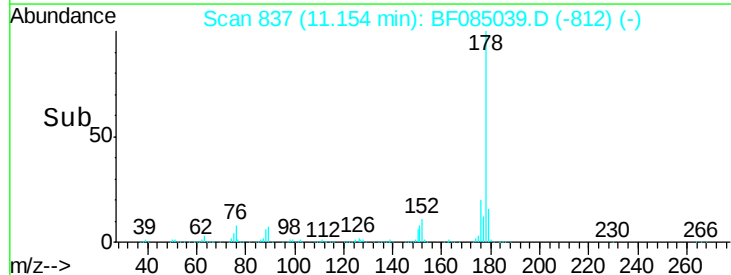
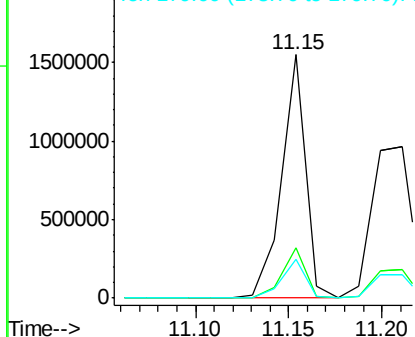


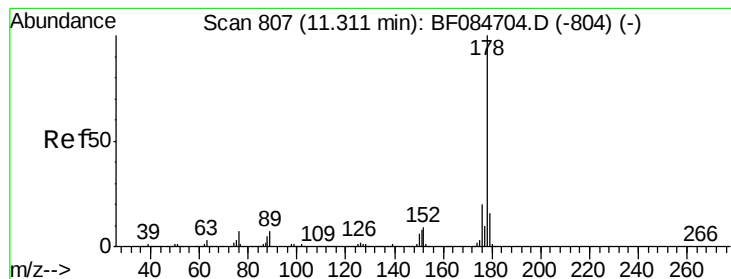
#70
 Phenanthrene
 Concen: 47.88 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion:178 Resp: 1388064
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.3 22.9
 179 16.1 12.0 18.0



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





#71

Anthracene

Concen: 46.72 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

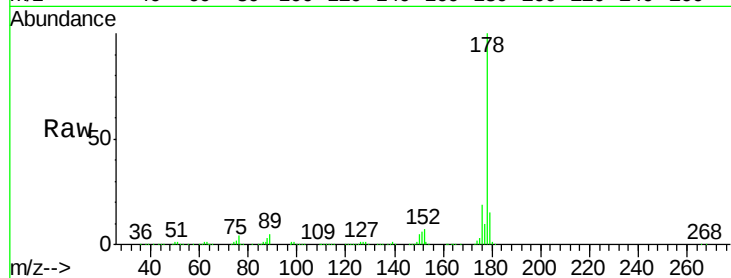
Tgt Ion:178 Resp: 1364707

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

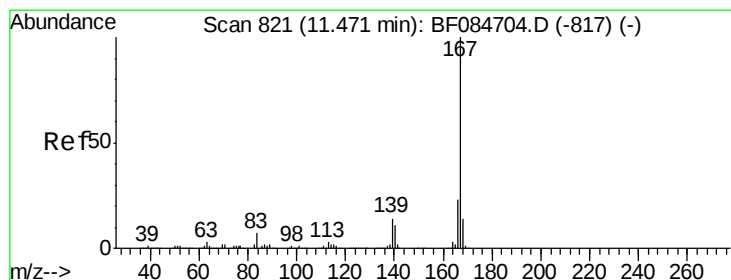
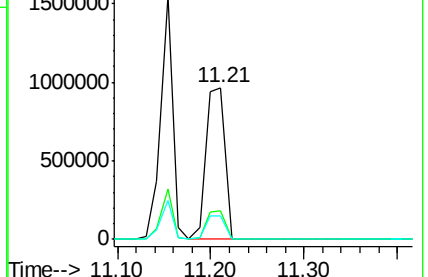
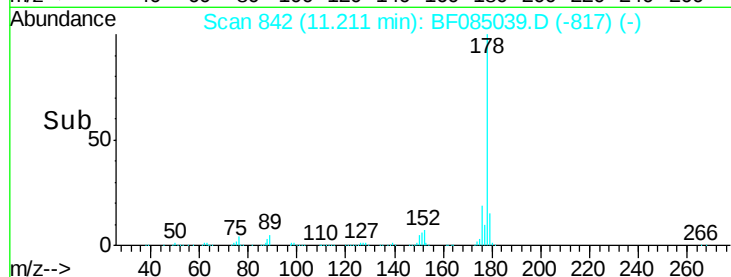
179 15.3 12.5 18.7



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: 50.99 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

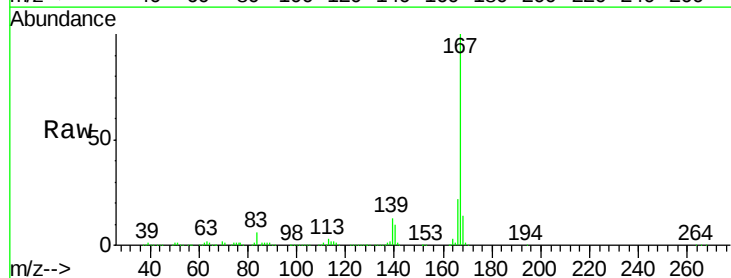
Tgt Ion:167 Resp: 1298890

Ion Ratio Lower Upper

167 100

166 22.4 17.6 26.4

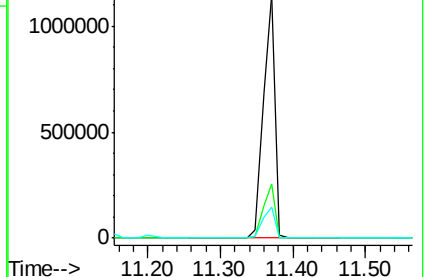
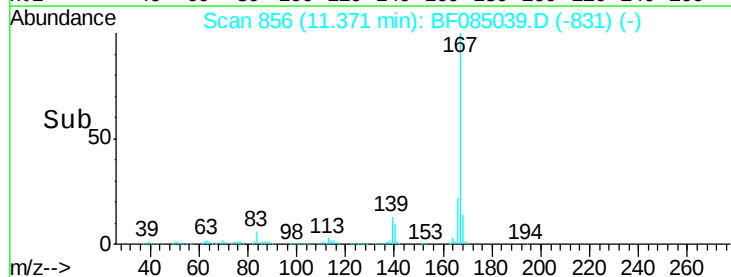
139 13.0 11.8 17.8



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: 43.86 ng

RT: 11.70 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

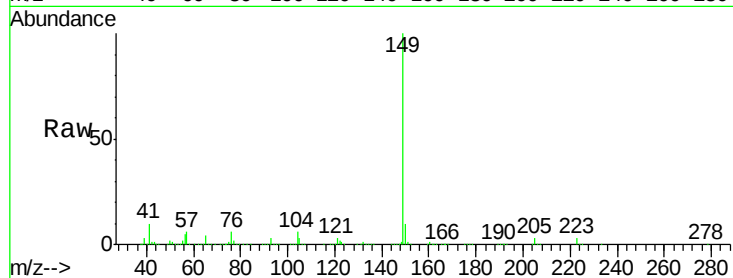
Tgt Ion:149 Resp: 1422445

Ion Ratio Lower Upper

149 100

150 9.8 7.1 10.7

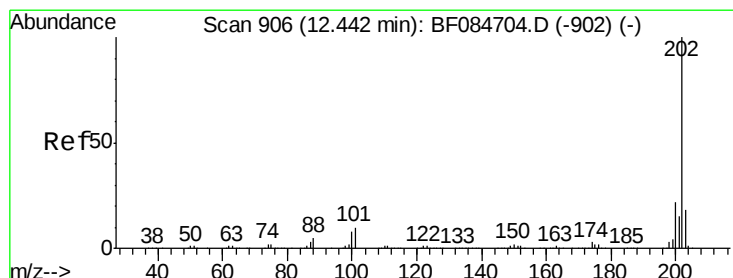
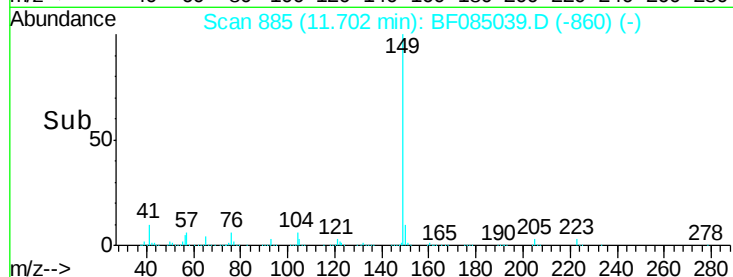
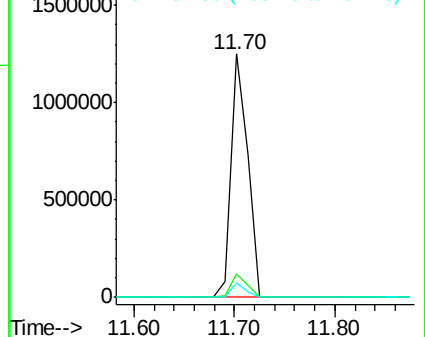
104 5.7 3.2 4.8#



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: 42.26 ng

RT: 12.33 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

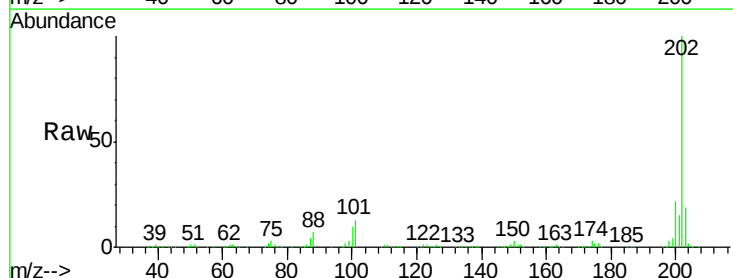
Tgt Ion:202 Resp: 1240105

Ion Ratio Lower Upper

202 100

101 12.8 0.0 32.8

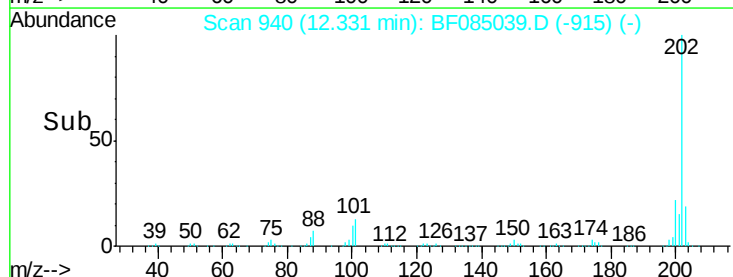
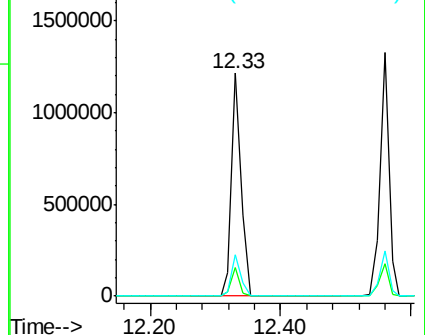
203 18.7 0.0 37.9

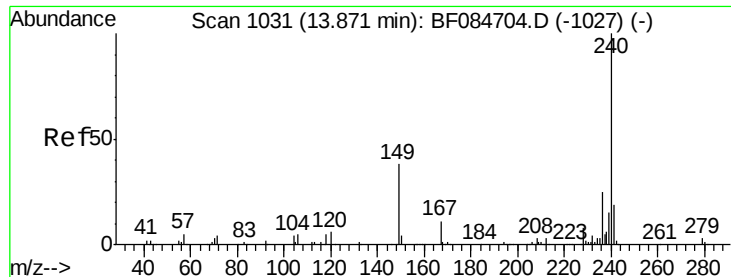


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

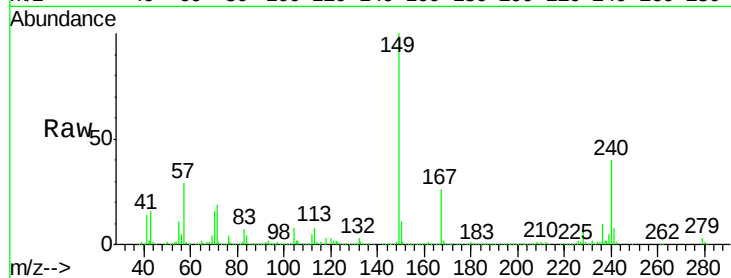
Tgt Ion:240 Resp: 323809

Ion Ratio Lower Upper

240 100

120 7.6 9.5 14.3#

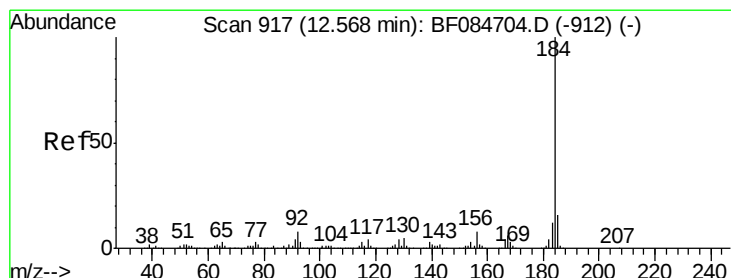
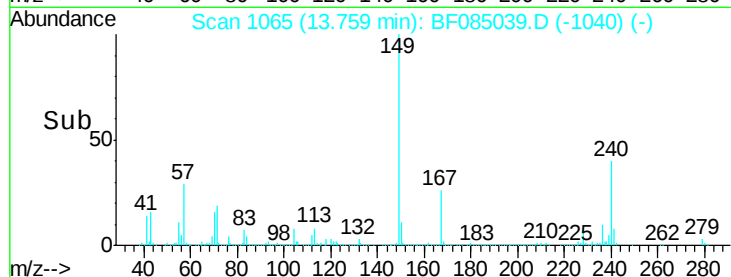
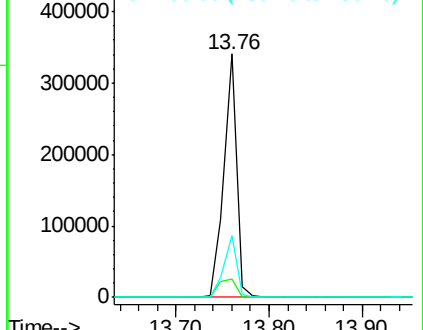
236 25.2 20.6 31.0



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: 20.13 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

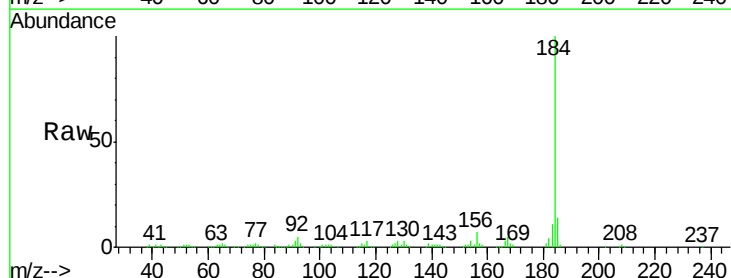
Tgt Ion:184 Resp: 210336

Ion Ratio Lower Upper

184 100

185 14.1 12.2 18.2

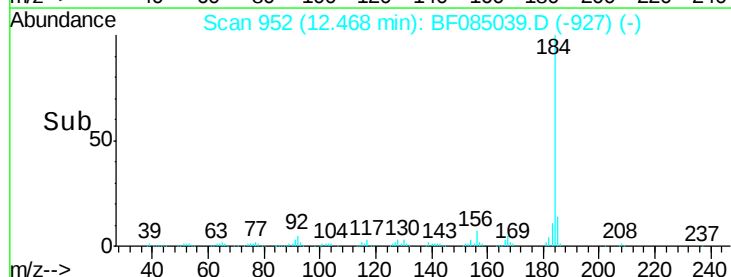
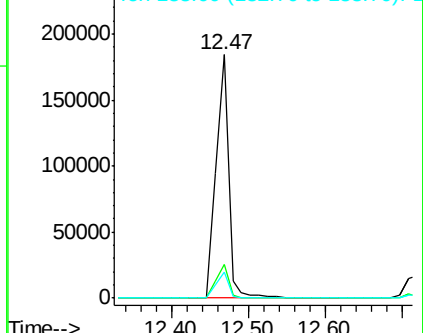
183 10.8 9.8 14.8

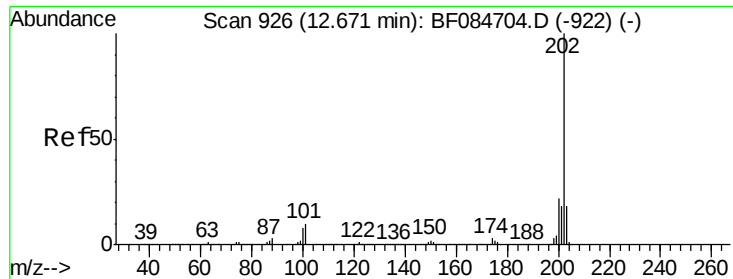


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 50.79 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

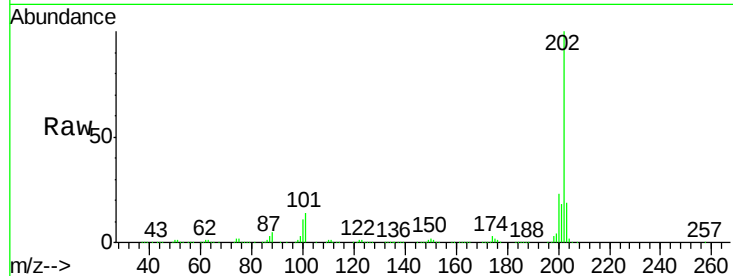
Tgt Ion:202 Resp: 1259234

Ion Ratio Lower Upper

202 100

200 22.6 17.2 25.8

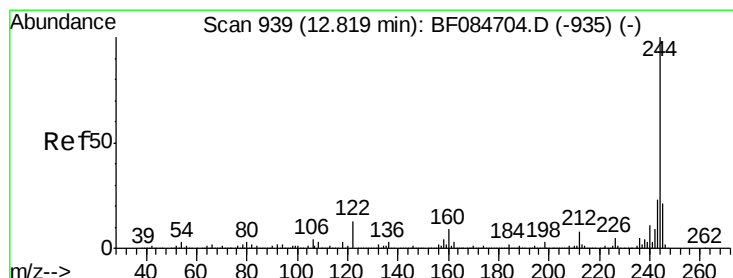
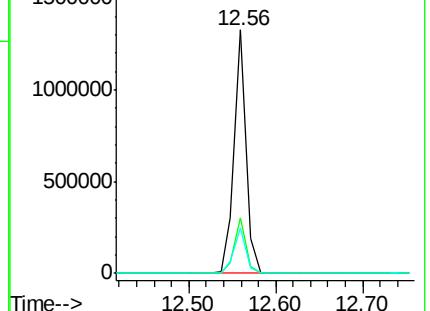
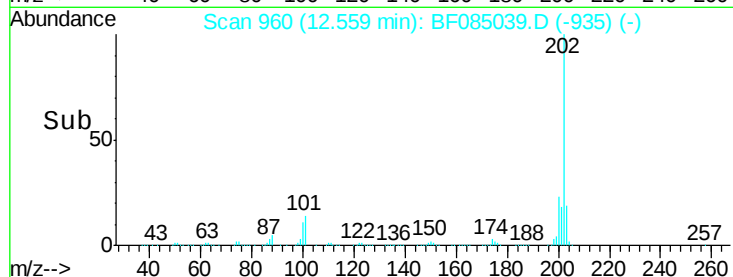
203 18.7 14.3 21.5



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: 115.96 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

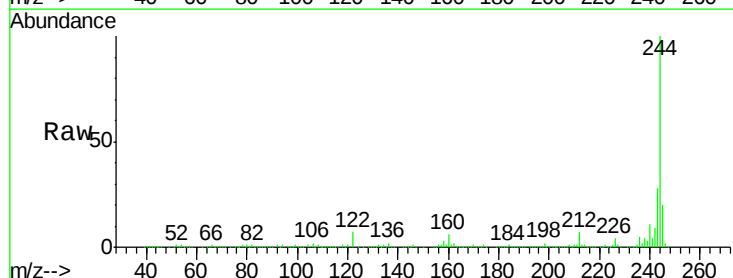
Tgt Ion:244 Resp: 1656976

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

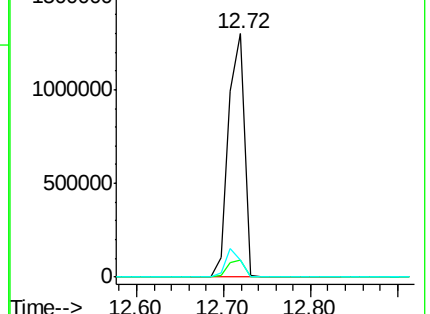
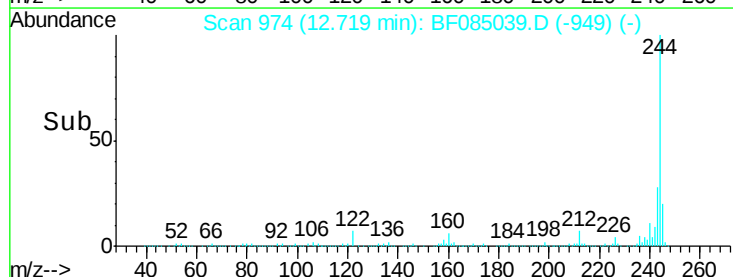
122 6.9 7.4 11.0#

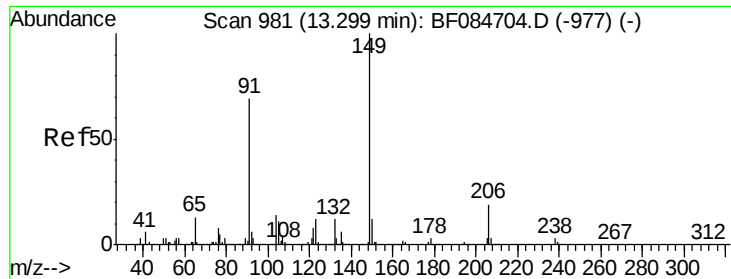


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

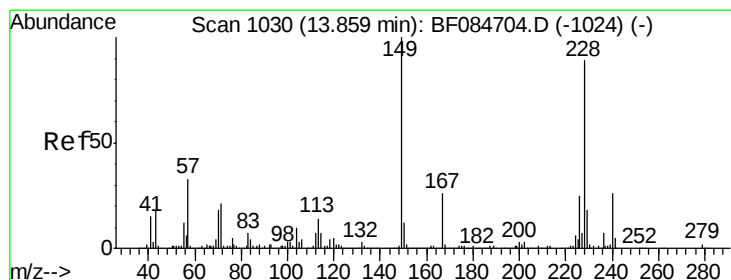
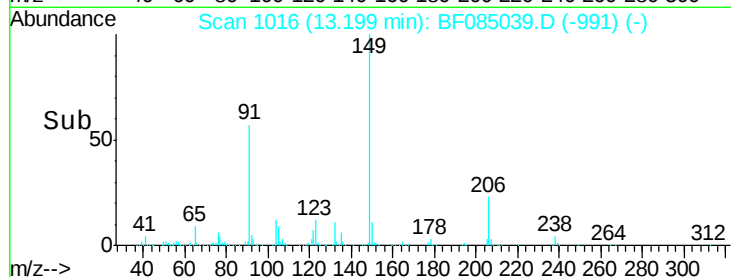
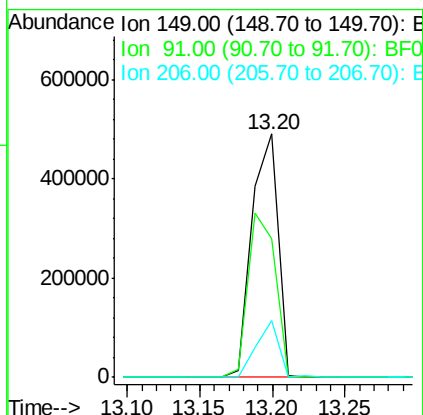
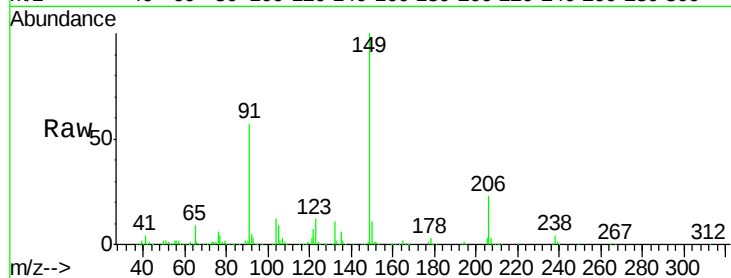




#79
Butylbenzylphthalate
Concen: 54.60 ng
RT: 13.20 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

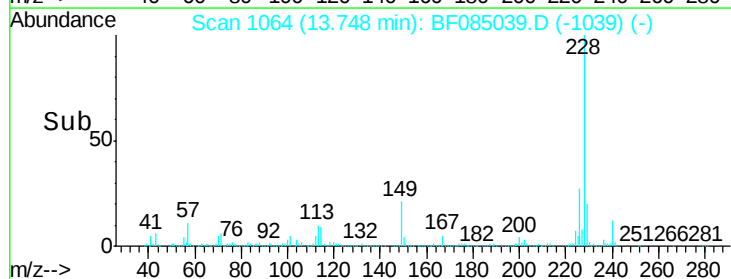
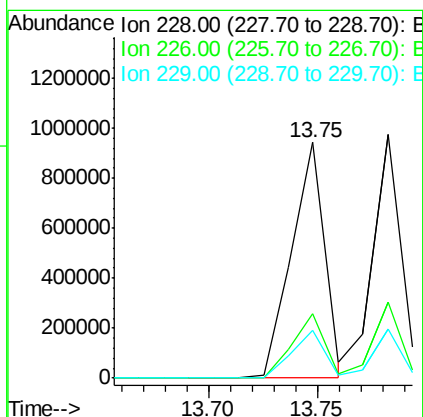
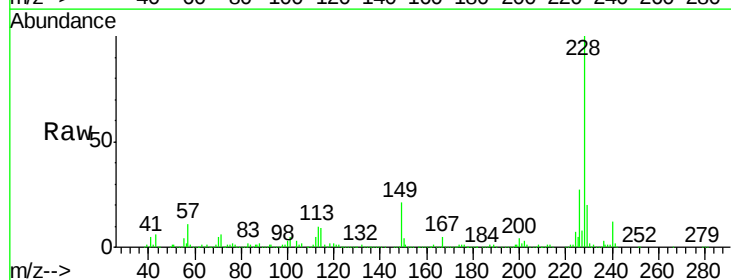
Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion:149 Resp: 614040
Ion Ratio Lower Upper
149 100
91 56.8 57.6 86.4#
206 23.2 13.2 19.8#



#80
Benzo(a)anthracene
Concen: 49.73 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion:228 Resp: 999509
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.6
229 20.2 15.8 23.8

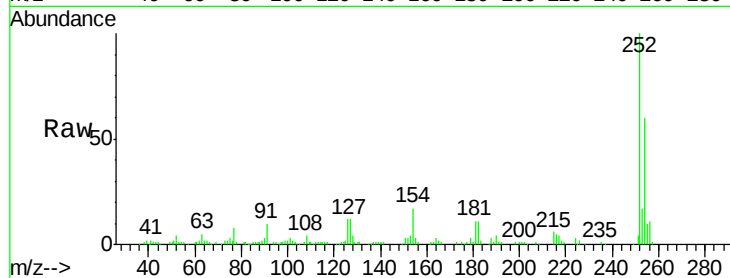




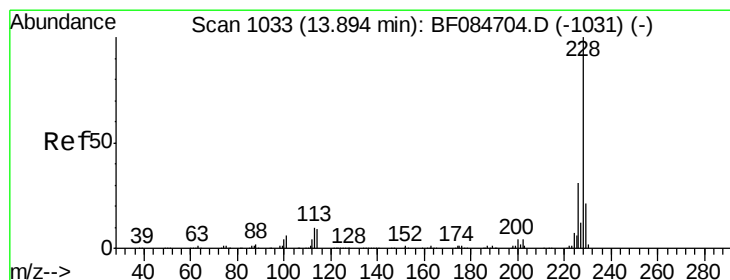
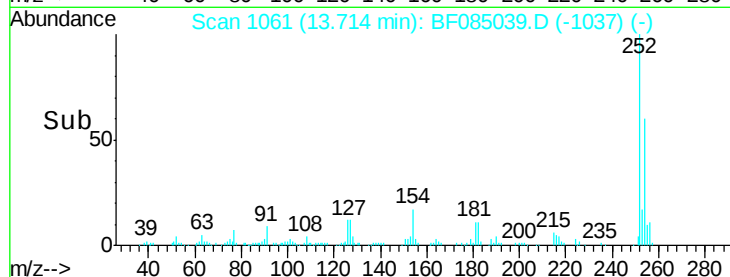
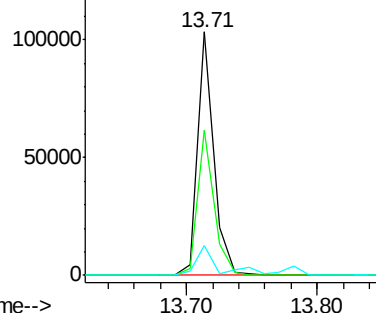
#81
 3,3'-Dichlorobenzidine
 Concen: 12.59 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	59.7	53.5	80.3
126	12.3	4.9	7.3#

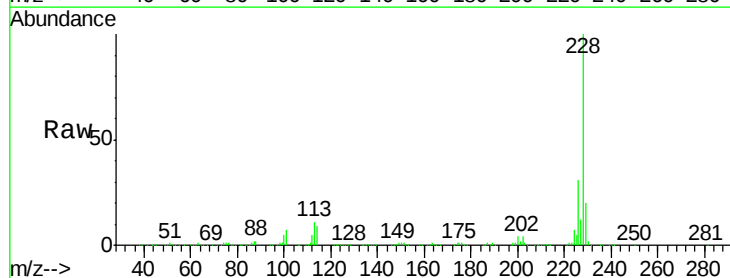


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

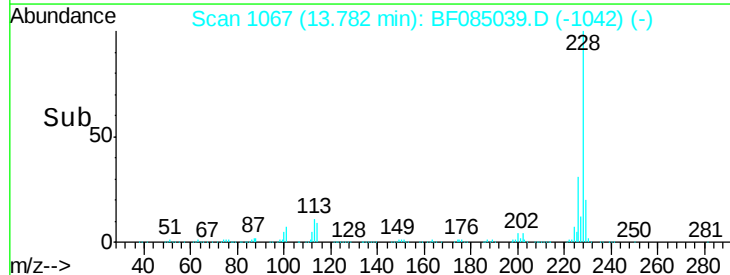
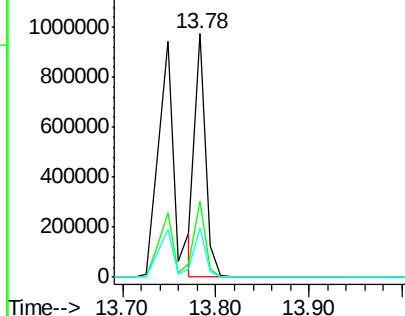


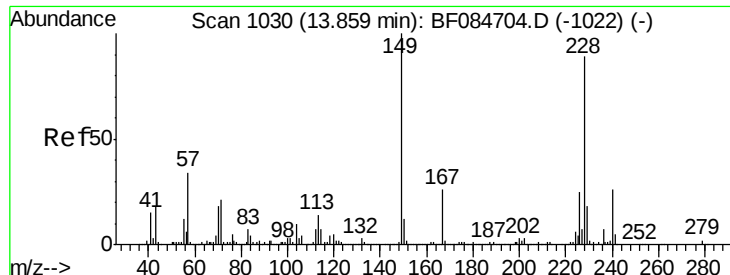
#82
 Chrysene
 Concen: 39.26 ng
 RT: 13.78 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.3	36.5
229	20.2	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: 55.22 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

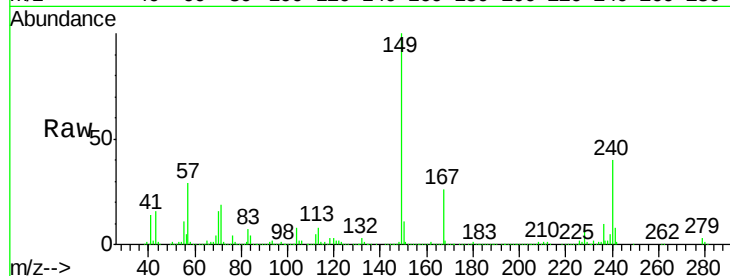
Tgt Ion:149 Resp: 772891

Ion Ratio Lower Upper

149 100

167 25.9 19.7 29.5

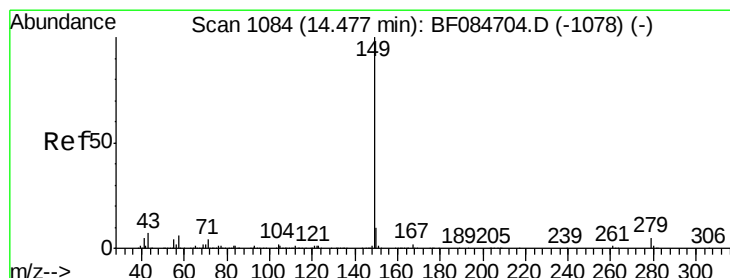
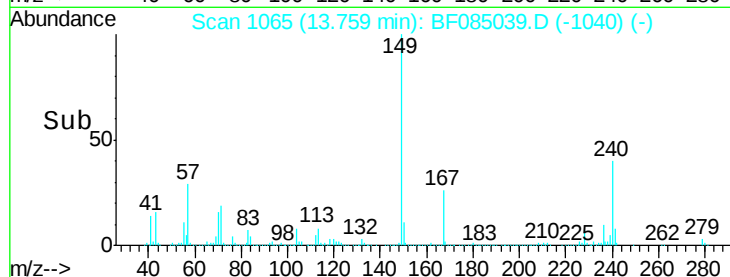
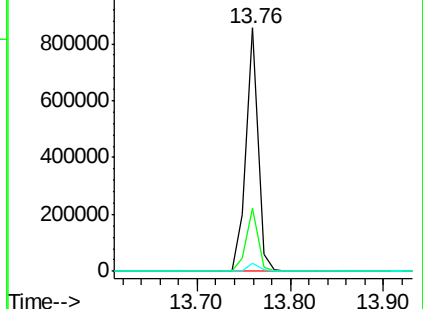
279 3.1 1.8 2.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 49.86 ng

RT: 14.37 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

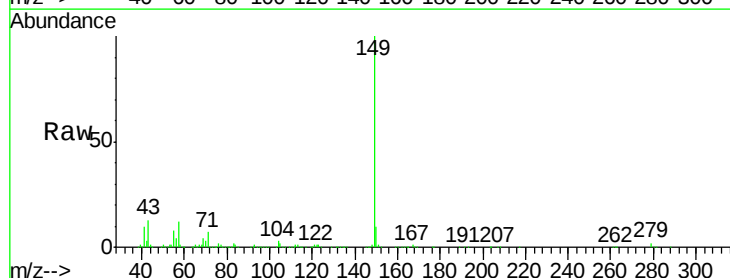
Tgt Ion:149 Resp: 1151389

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

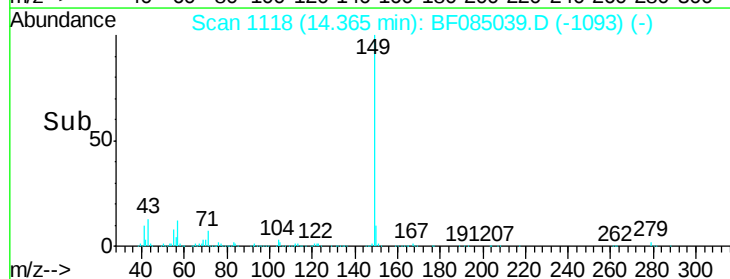
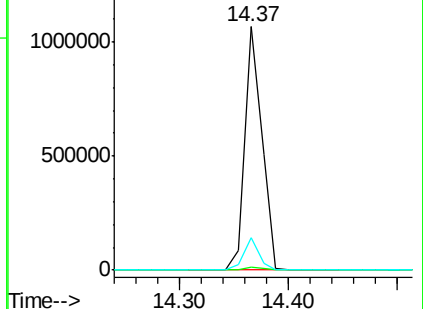
43 11.3 5.6 8.4#

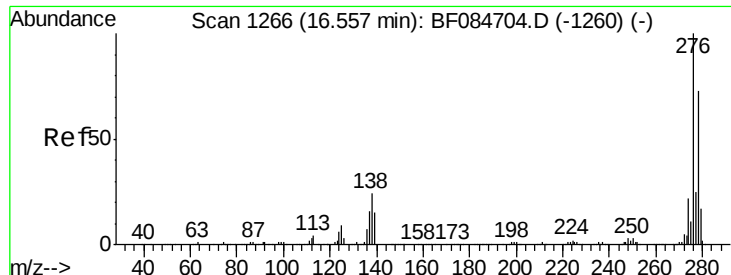


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

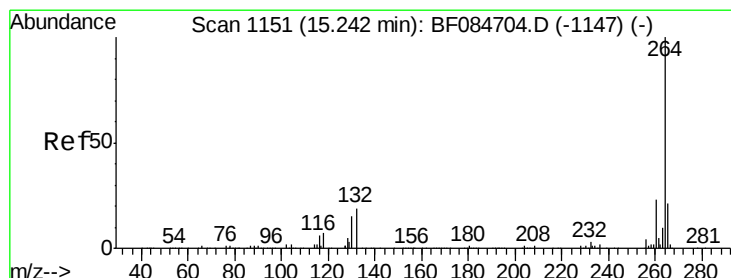
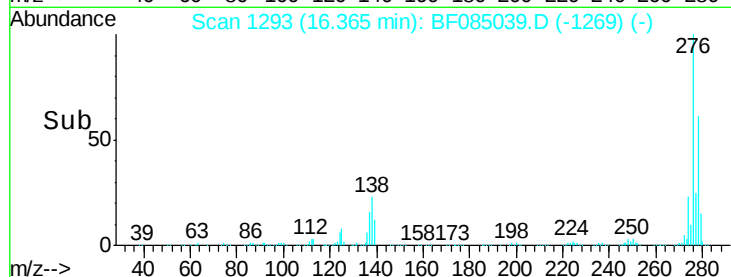
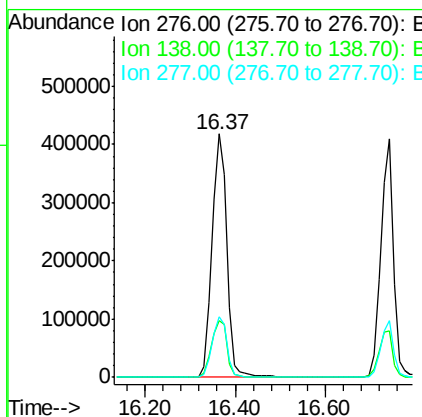
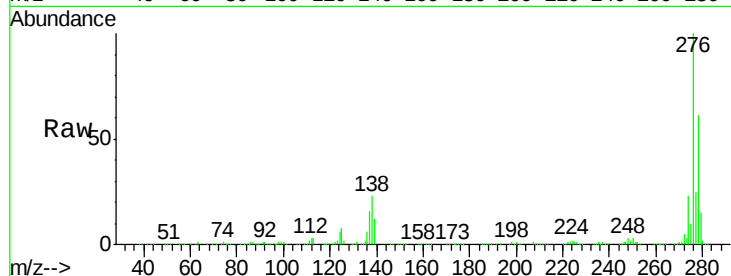




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 62.72 ng
 RT: 16.37 min Scan# 1293
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

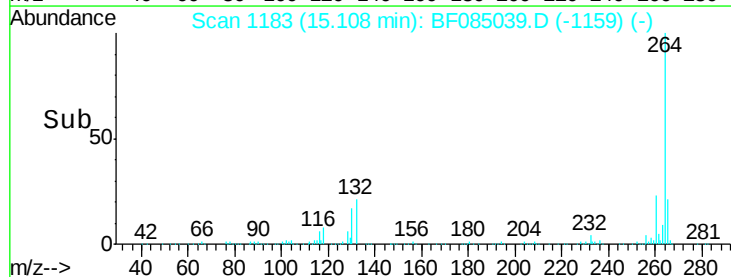
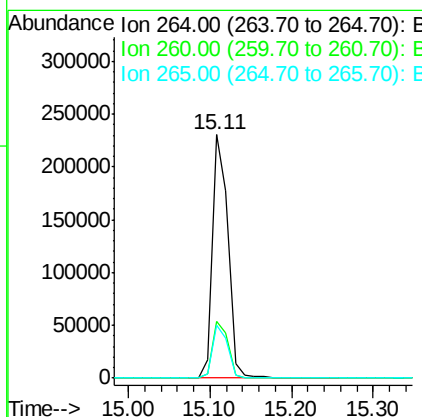
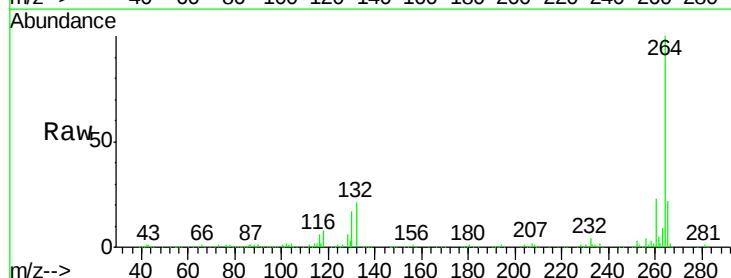
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)MSD

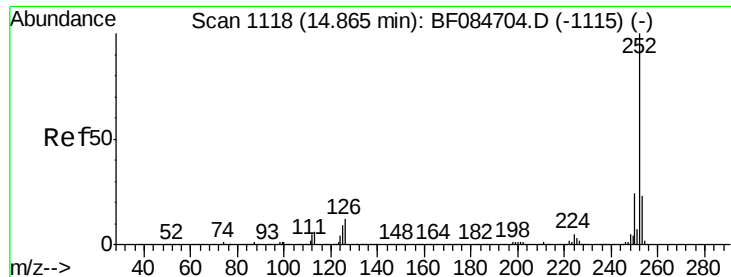
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.5	20.6	30.8
277	25.1	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF085039.D
 Acq: 12 Feb 2016 4:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.4	29.2
265	21.7	17.8	26.6

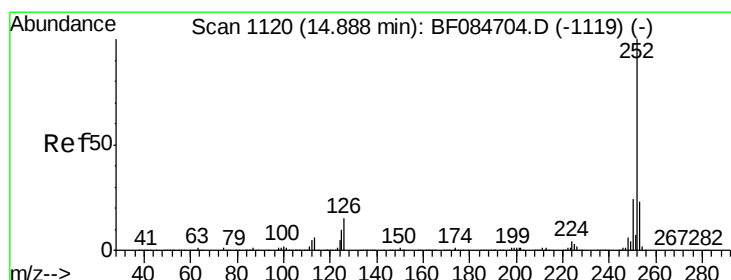
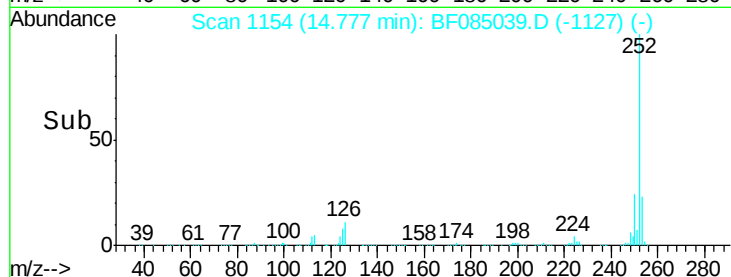
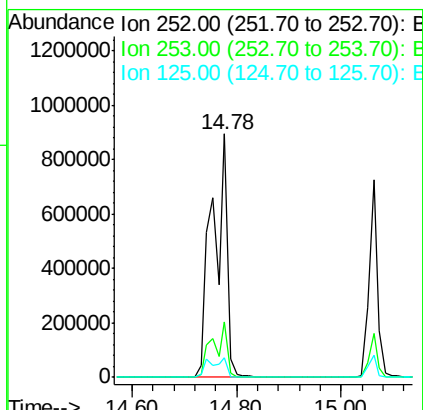
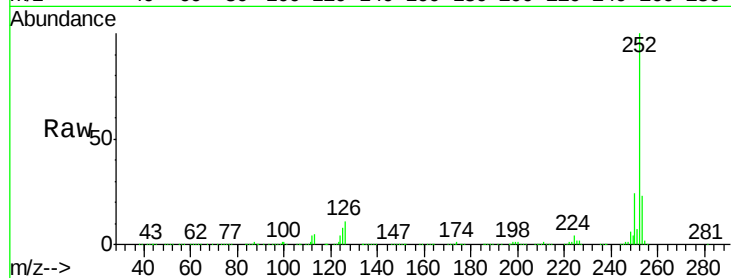




#87
Benzo(b)fluoranthene
Concen: 85.72 ng
RT: 14.78 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

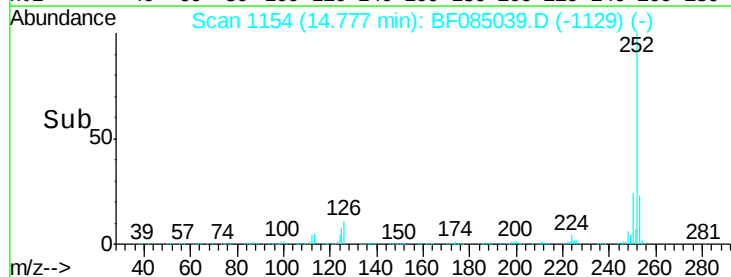
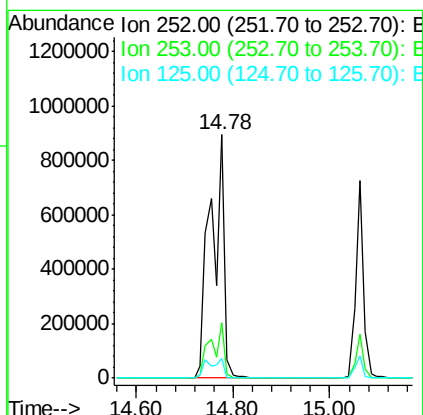
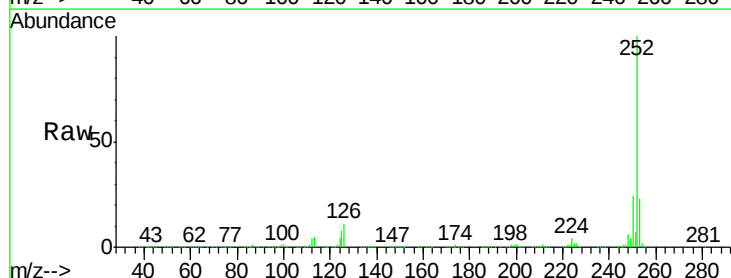
Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)MSD

Tgt Ion:252 Resp: 1766851
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 7.9 6.5 9.7



#88
Benzo(k)fluoranthene
Concen: 103.71 ng
RT: 14.78 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF085039.D
Acq: 12 Feb 2016 4:12

Tgt Ion:252 Resp: 1767470
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 7.9 9.0 13.6#





#89

Benzo(a)pyrene

Concen: 46.55 ng

RT: 15.06 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

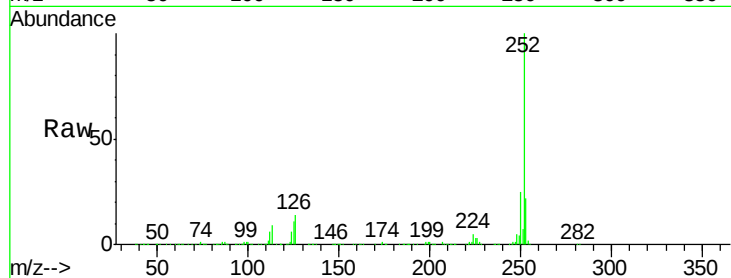
Tgt Ion:252 Resp: 817495

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

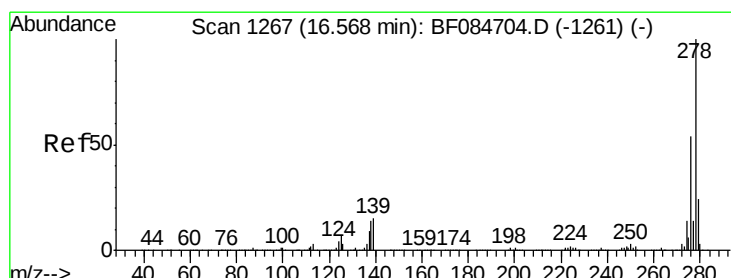
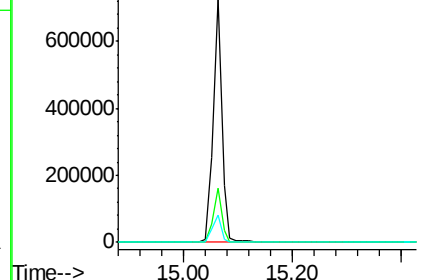
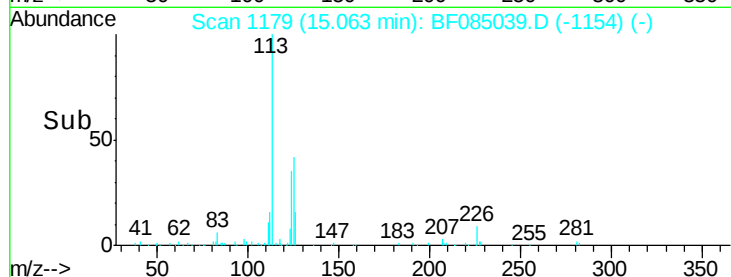
125 11.2 7.0 10.4#



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: 52.96 ng

RT: 16.38 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

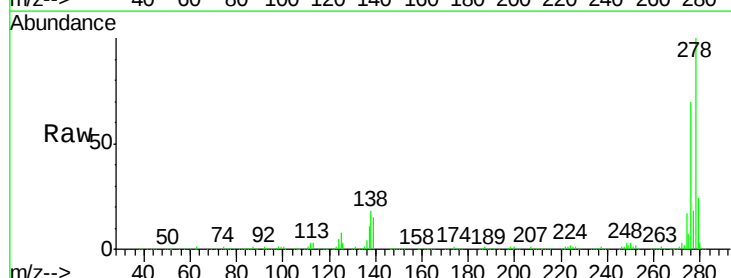
Tgt Ion:278 Resp: 782967

Ion Ratio Lower Upper

278 100

139 15.4 15.0 22.4

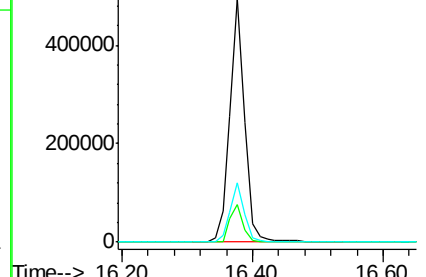
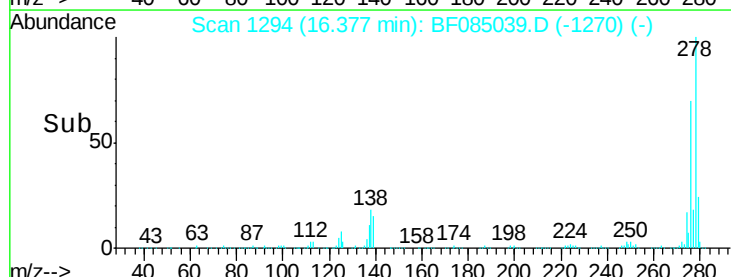
279 24.2 18.9 28.3

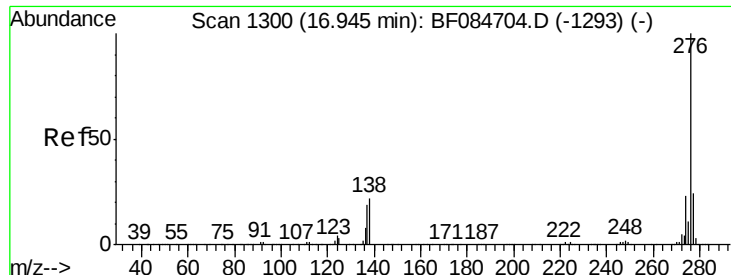


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 53.98 ng

RT: 16.74 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF085039.D

Acq: 12 Feb 2016 4:12

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)MSD

Tgt Ion: 276 Resp: 803922

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 19.5 17.8 26.6

