

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012016\
 Data File : BF084567.D
 Acq On : 20 Jan 2016 13:45
 Operator : SJ/UM
 Sample : H1178-02RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A5-4RE

Quant Time: Jan 20 22:05:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	164591	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	432925	20.00	ng	-0.03
38) Acenaphthene-d10	9.87	164	210842	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	359810	20.00	ng	0.01
75) Chrysene-d12	13.96	240	446141	20.00	ng	-0.03
86) Perylene-d12	15.36	264	437864	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	1196757	117.61	ng	-0.06
7) Phenol-d6	6.43	99	1592510	124.61	ng	-0.05
23) Nitrobenzene-d5	7.36	82	1100857	141.52	ng	-0.05
41) 2,4,6-Tribromophenol	10.67	330	231053	108.55	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1084933	90.97	ng	-0.01
78) Terphenyl-d14	12.93	244	1002262	50.15	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	77999	9.37	ng	# 1
10) Phenol	6.44	94	36666	2.52	ng	# 44
15) Benzyl Alcohol	6.94	79	64855	6.03	ng	# 46
18) Hexachloroethane	7.29	117	48329	10.12	ng	# 1
19) n-Nitroso-di-n-propylamine	7.12	70	301607	34.86	ng	# 76
22) Acetophenone	7.20	105	472951	45.43	ng	# 17
24) Nitrobenzene	7.33	77	151085	19.15	ng	# 14
25) Isophorone	7.62	82	544046	36.57	ng	# 1
26) 2-Nitrophenol	7.76	139	88349	24.61	ng	# 1
27) 2,4-Dimethylphenol	7.74	122	60742	8.36	ng	# 5
28) bis(2-Chloroethoxy)methane	7.89	93	77470	8.53	ng	# 1
29) 2,4-Dichlorophenol	7.94	162	63954	10.56	ng	# 1
30) 1,2,4-Trichlorobenzene	8.01	180	24285	3.89	ng	# 66
31) Naphthalene	8.12	128	437056	22.25	ng	# 1
32) Benzoic acid	7.88	122	49849	15.52	ng	# 1
33) 4-Chloroaniline	8.11	127	282355	31.36	ng	# 56
35) Caprolactam	8.54	113	546615	267.83	ng	# 1
36) 4-Chloro-3-methylphenol	8.65	107	95551	14.09	ng	# 34
37) 2-Methylnaphthalene	8.82	142	597251	42.36	ng	# 72
42) 2,4,6-Trichlorophenol	9.10	196	16774	3.70	ng	# 18
43) 2,4,5-Trichlorophenol	9.10	196	16774	3.86	ng	# 1
45) 1,1'-Biphenyl	9.29	154	174659	10.42	ng	# 94
47) 2-Nitroaniline	9.36	65	131022	30.16	ng	# 52
49) Dimethylphthalate	9.57	163	385172	25.55	ng	# 88
50) 2,6-Dinitrotoluene	9.65	165	40331	12.20	ng	# 56
52) 3-Nitroaniline	9.86	138	36490	8.91	ng	# 49
53) 2,4-Dinitrophenol	9.96	184	2506	5.26	ng	# 1
55) 4-Nitrophenol	9.98	139	60450	20.33	ng	# 1
56) 2,4-Dinitrotoluene	10.09	165	21414	5.12	ng	# 62
57) Fluorene	10.42	166	278533	20.00	ng	# 36
58) 2,3,4,6-Tetrachlorophenol	10.20	232	10279	2.77	ng	# 1
59) Diethylphthalate	10.29	149	70908	4.77	ng	# 26
60) 4-Chlorophenyl-phenylether	10.36	204	18423	Below Cal		# 1
61) 4-Nitroaniline	10.38	138	49091	13.44	ng	# 56

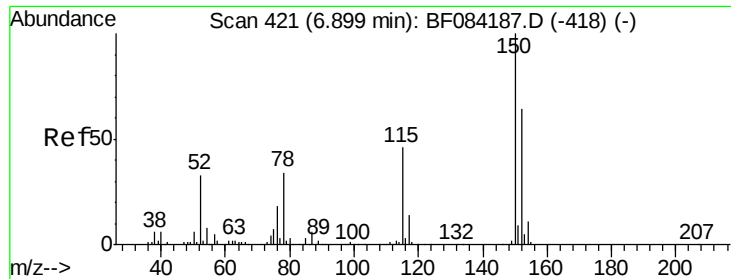
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012016\
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Quant Time: Jan 20 22:05:51 2016
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 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Azobenzene	10.58	77	80377	4.93	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.52	198	9161	9.47	ng	# 1
65) n-Nitrosodiphenylamine	10.54	169	447196	38.87	ng	# 49
68) Atrazine	11.07	200	141786	37.66	ng	# 65
69) Pentachlorophenol	11.22	266	6521	2.89	ng	# 22
70) Phenanthrene	11.39	178	428831	22.78	ng	# 72
71) Anthracene	11.48	178	191919	10.40	ng	# 1
72) Carbazole	11.64	167	38023	2.11	ng	# 1
73) Di-n-butylphthalate	11.92	149	26642	Below	Cal	# 1
74) Fluoranthene	12.78	202	368609	18.75	ng	88
77) Pyrene	12.78	202	368609	10.53	ng	# 92

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

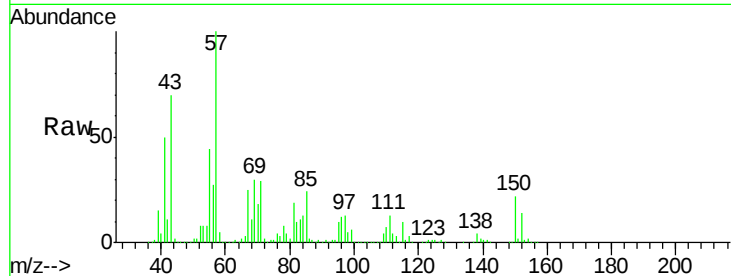


#1

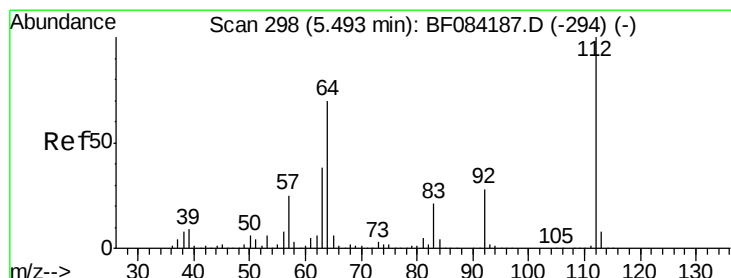
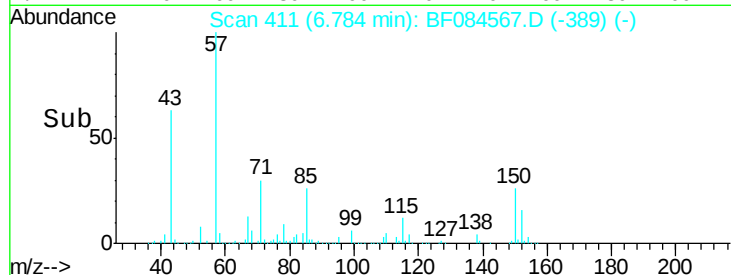
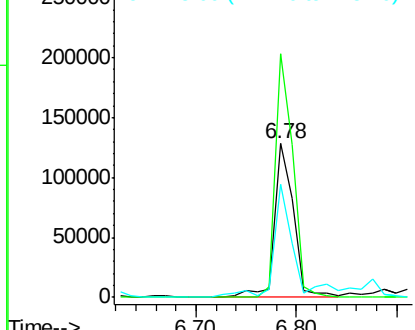
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.05 min
Lab File: BF084567.D
Acq: 20 Jan 2016 13:45

Instrument :
BNA_F
ClientSampled :
A5-4RE

Tgt Ion:152 Resp: 164591
Ion Ratio Lower Upper
152 100
150 158.7 123.0 184.4
115 73.3 51.4 77.2



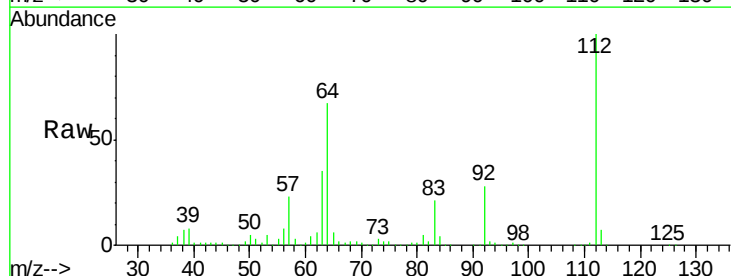
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



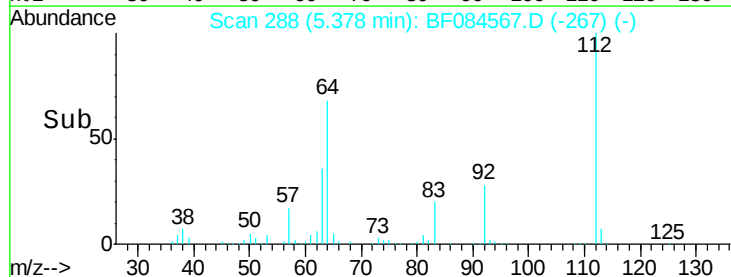
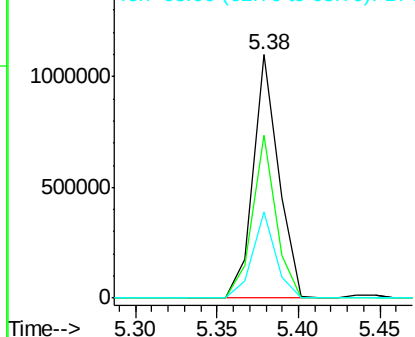
#5

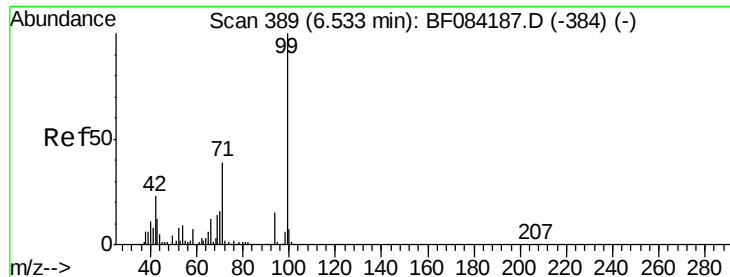
2-Fluorophenol
Concen: 117.61 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.06 min
Lab File: BF084567.D
Acq: 20 Jan 2016 13:45

Tgt Ion:112 Resp: 1196757
Ion Ratio Lower Upper
112 100
64 67.1 36.6 55.0#
63 35.2 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.61 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.05 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

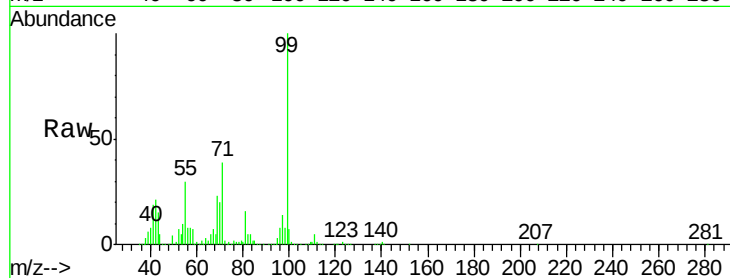
Tgt Ion: 99 Resp: 1592510

Ion Ratio Lower Upper

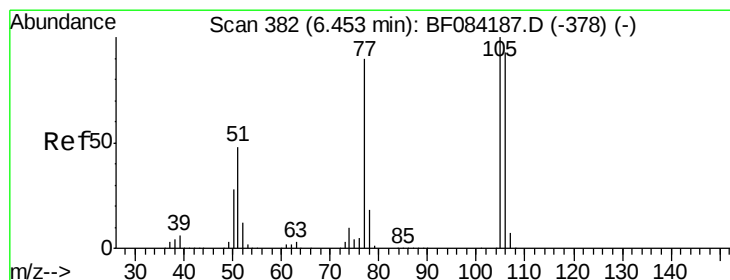
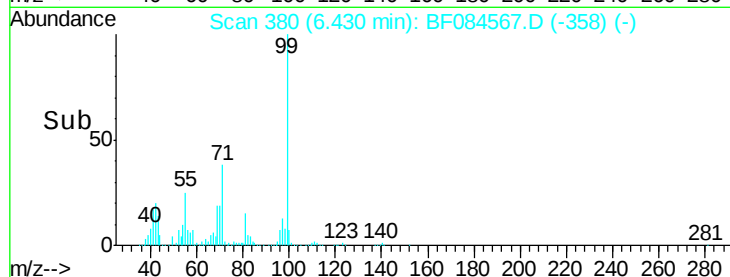
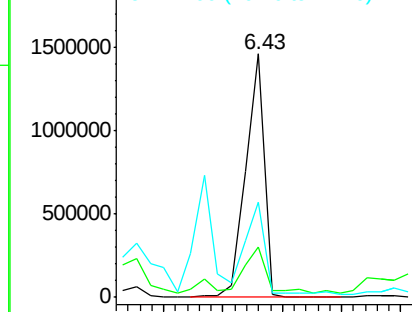
99 100

42 20.8 12.8 19.2#

71 39.1 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



#9

Benzaldehyde

Concen: 9.37 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.08 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

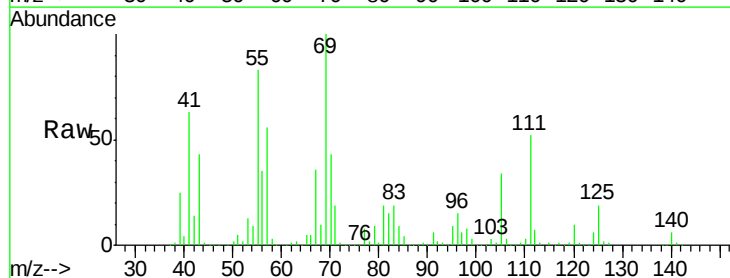
Tgt Ion: 77 Resp: 77999

Ion Ratio Lower Upper

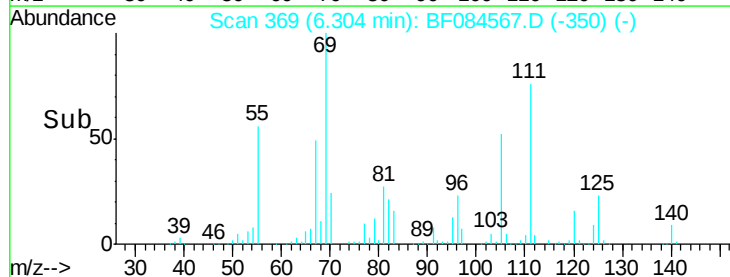
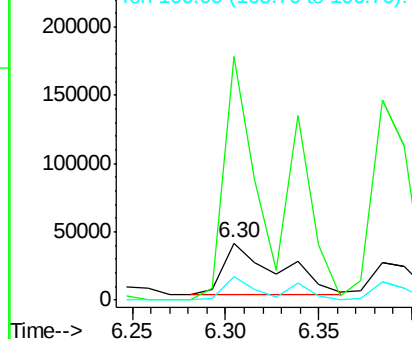
77 100

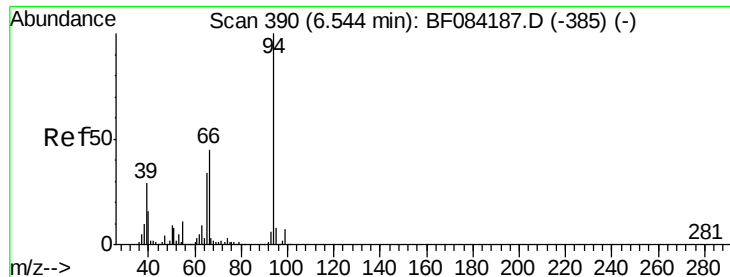
105 428.3 83.0 123.0#

106 41.7 74.6 114.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.52 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.06 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

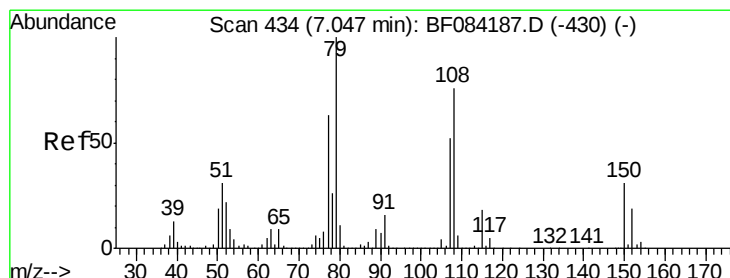
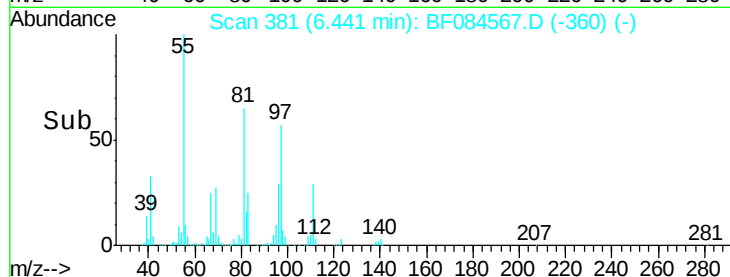
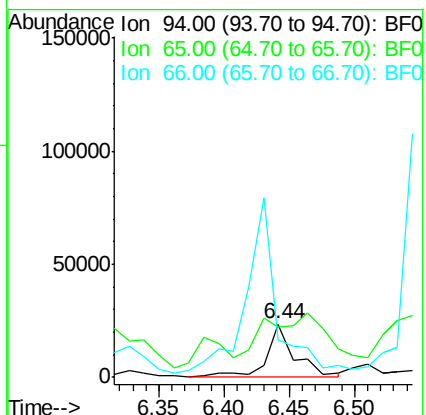
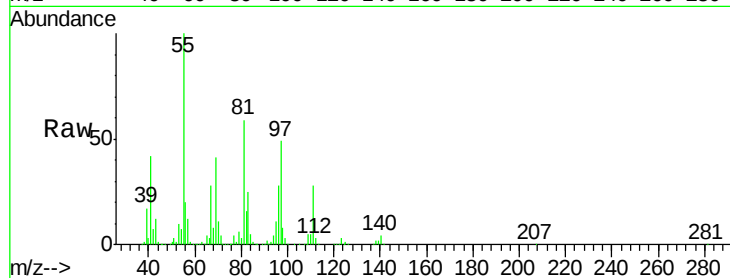
Tgt Ion: 94 Resp: 36666

Ion Ratio Lower Upper

94 100

65 93.1 12.9 52.9#

66 69.6 32.7 72.7



#15

Benzyl Alcohol

Concen: 6.03 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

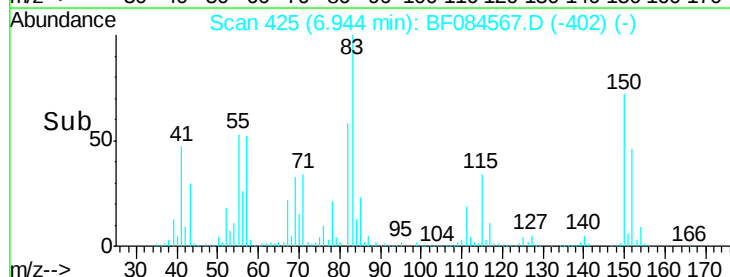
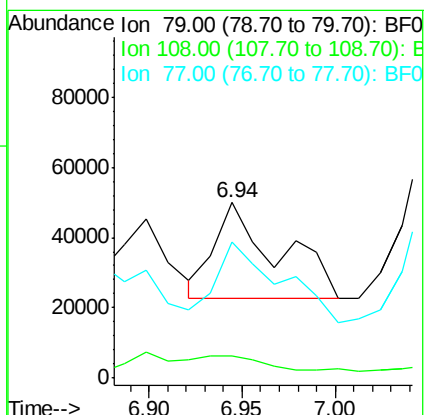
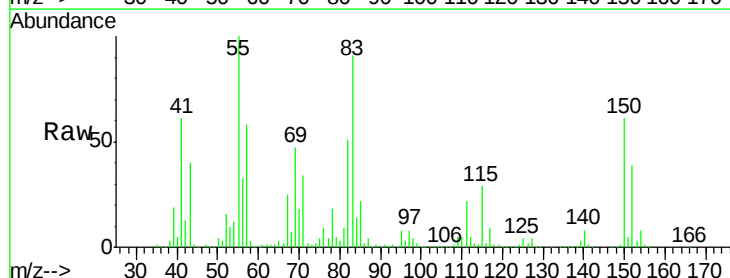
Tgt Ion: 79 Resp: 64855

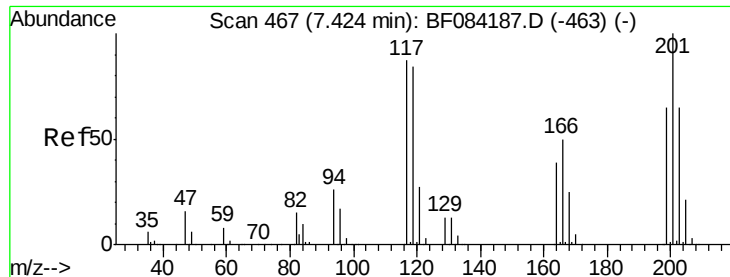
Ion Ratio Lower Upper

79 100

108 12.7 69.0 103.4#

77 77.3 50.0 75.0#

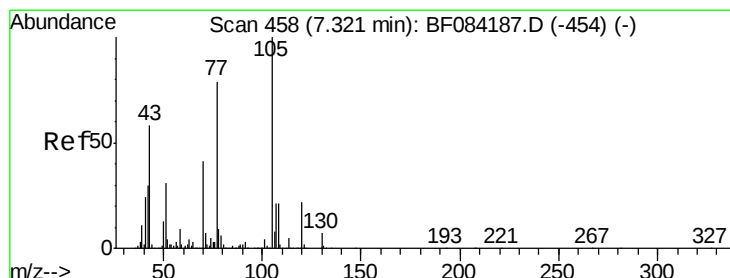
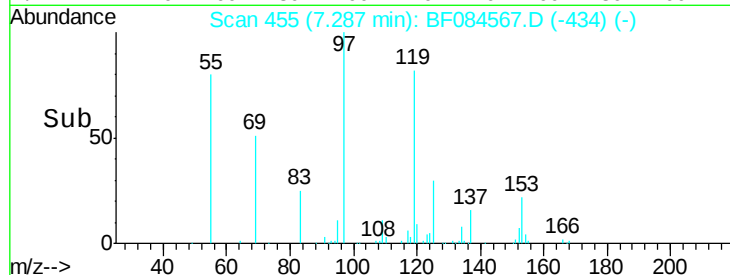
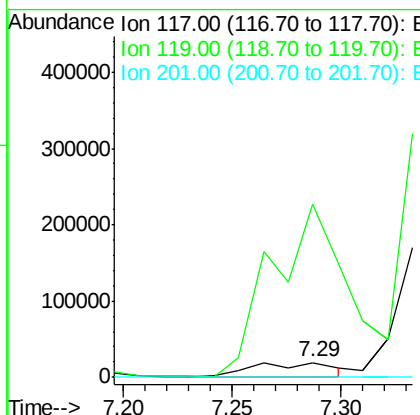
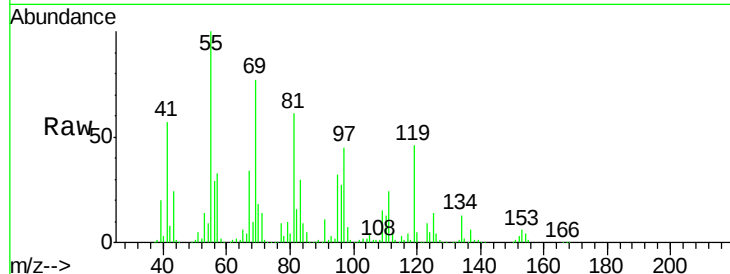




#18
Hexachloroethane
Concen: 10.12 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.06 min
Lab File: BF084567.D
Acq: 20 Jan 2016 13:45

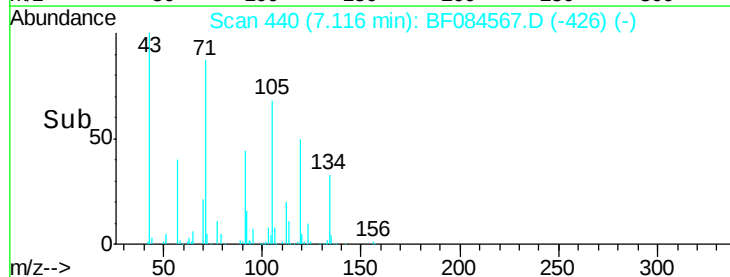
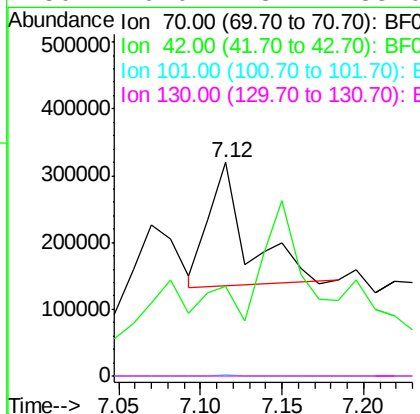
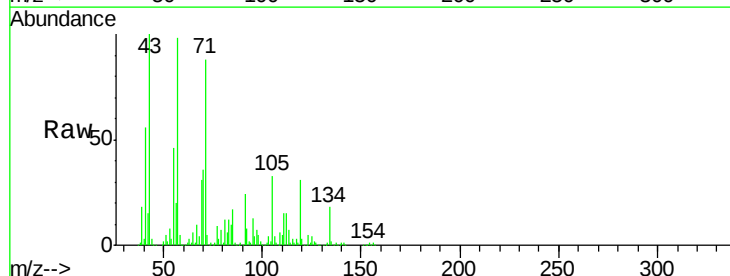
Instrument :
BNA_F
ClientSampled :
A5-4RE

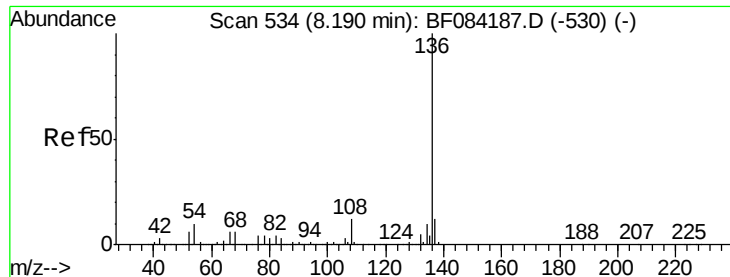
Tgt Ion: 117 Resp: 48329
Ion Ratio Lower Upper
117 100
119 1165.9 77.4 116.0#
201 0.0 68.6 103.0#



#19
n-Nitroso-di-n-propylamine
Concen: 34.86 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.14 min
Lab File: BF084567.D
Acq: 20 Jan 2016 13:45

Tgt Ion: 70 Resp: 301607
Ion Ratio Lower Upper
70 100
42 42.2 33.3 49.9
101 0.4 9.3 13.9#
130 0.0 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.03 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

Tgt Ion:136 Resp: 432925

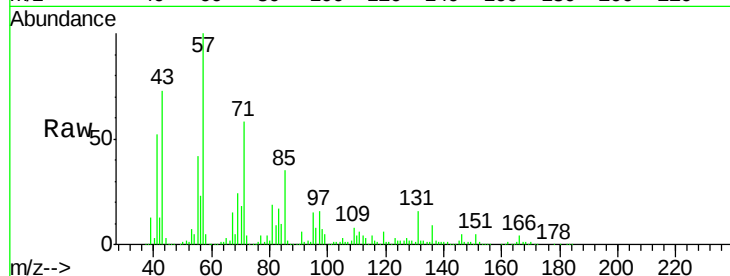
Ion Ratio Lower Upper

136 100

137 26.1 8.7 13.1#

54 56.6 5.8 8.8#

68 57.7 4.2 6.2#



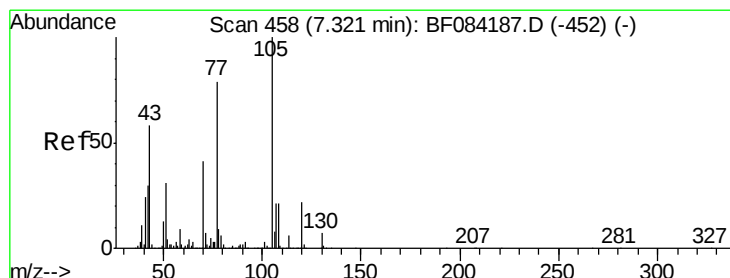
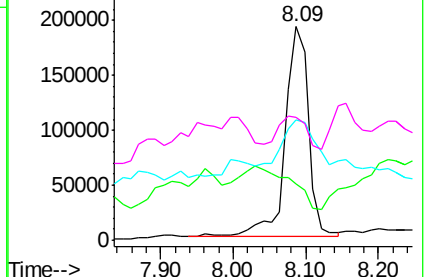
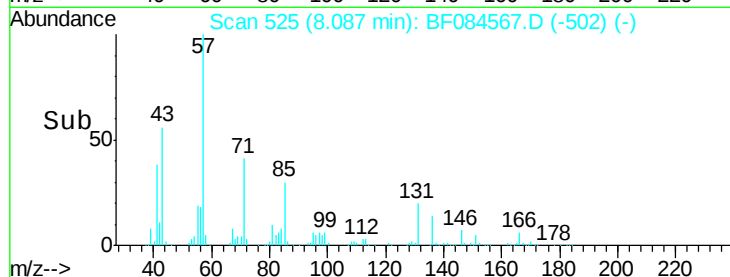
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->



#22

Acetophenone

Concen: 45.43 ng

RT: 7.20 min Scan# 447

Delta R.T. -0.06 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Tgt Ion:105 Resp: 472951

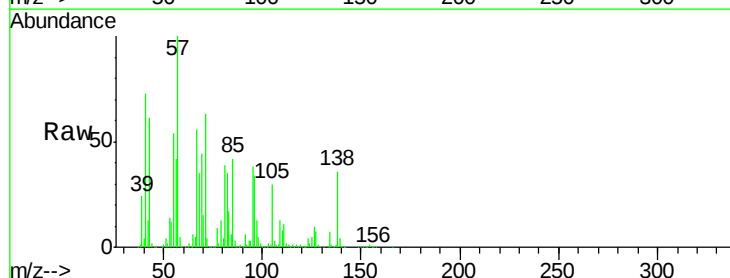
Ion Ratio Lower Upper

105 100

71 208.0 3.7 5.5#

51 14.3 25.1 37.7#

120 0.4 16.6 25.0#



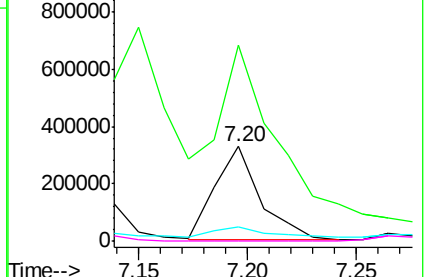
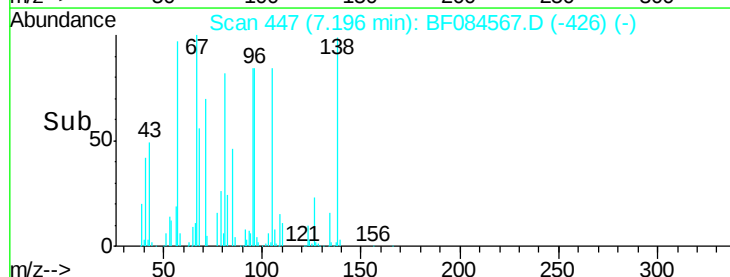
Abundance Ion 105.00 (104.70 to 105.70): E

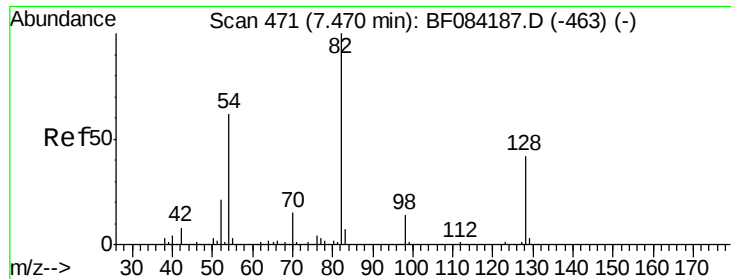
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->

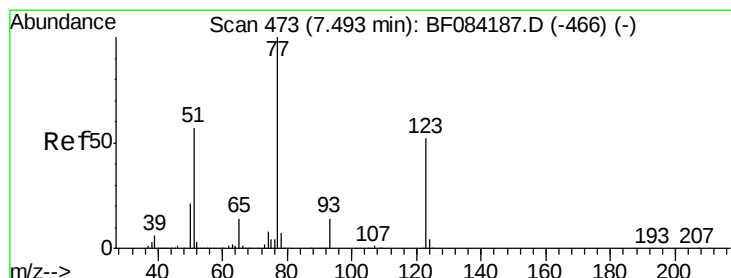
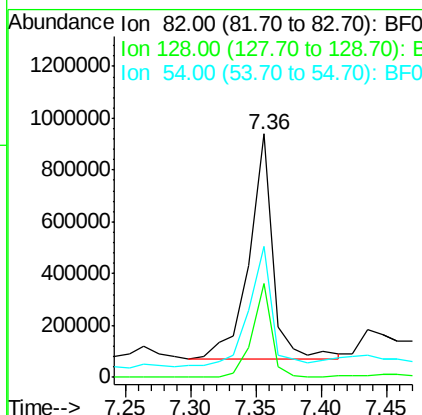
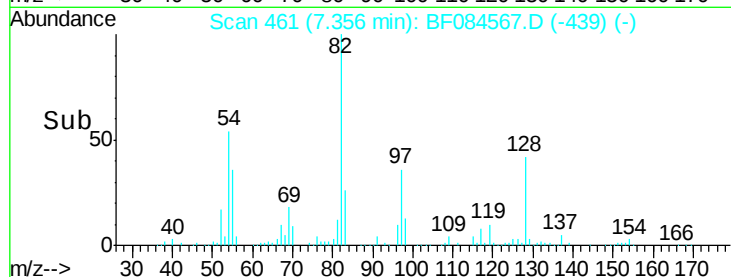
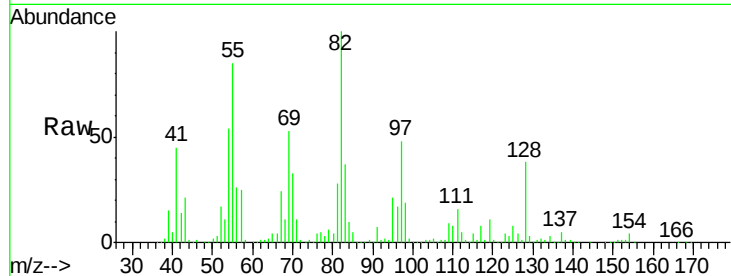




#23
 Nitrobenzene-d5
 Concen: 141.52 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.05 min
 Lab File: BF084567.D
 Acq: 20 Jan 2016 13:45

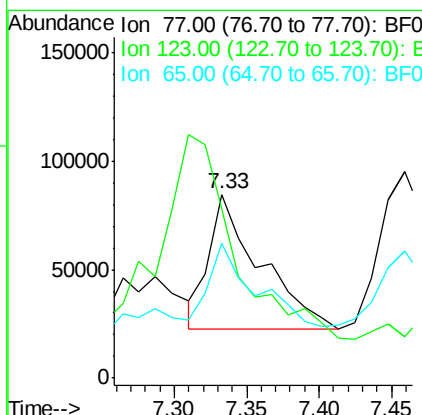
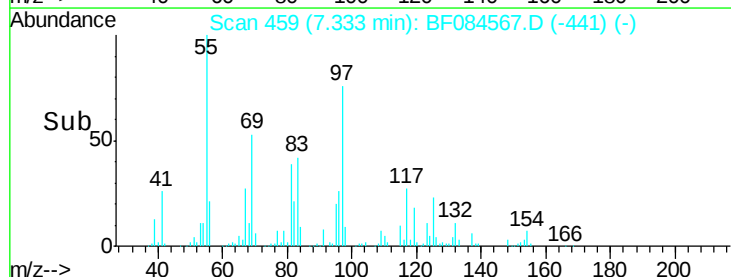
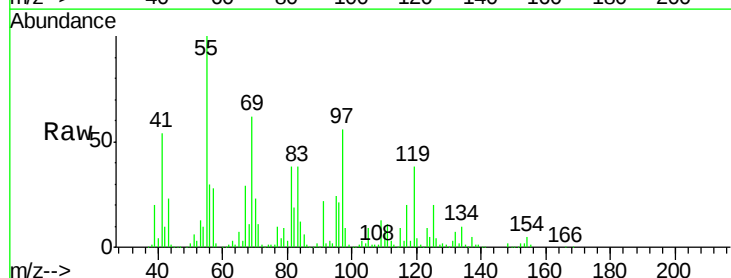
Instrument :
 BNA_F
 ClientSampleId :
 A5-4RE

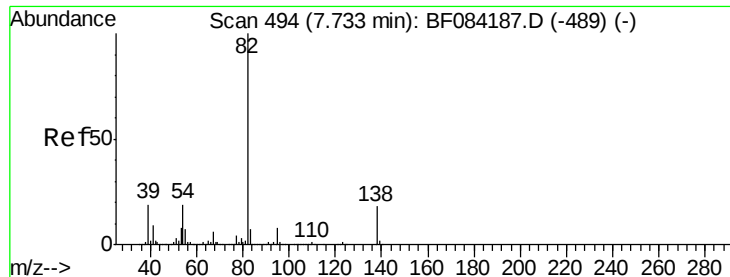
Tgt Ion: 82 Resp: 1100857
 Ion Ratio Lower Upper
 82 100
 128 38.3 34.6 51.8
 54 53.7 38.4 57.6



#24
 Nitrobenzene
 Concen: 19.15 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.09 min
 Lab File: BF084567.D
 Acq: 20 Jan 2016 13:45

Tgt Ion: 77 Resp: 151085
 Ion Ratio Lower Upper
 77 100
 123 92.2 37.4 56.2#
 65 73.6 10.9 16.3#





#25

Isophorone

Concen: 36.57 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.05 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

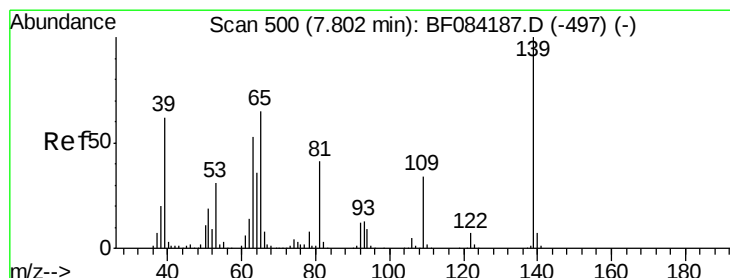
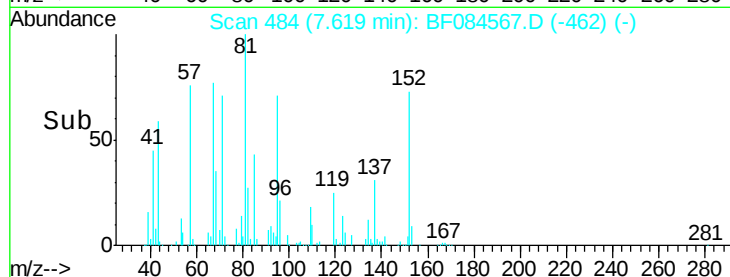
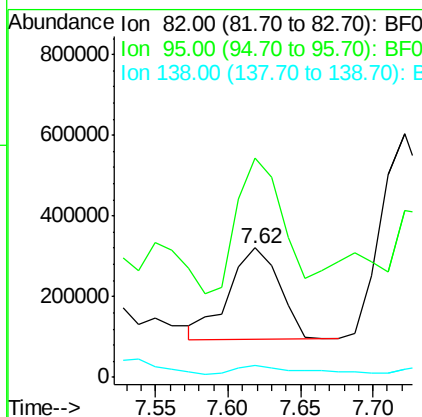
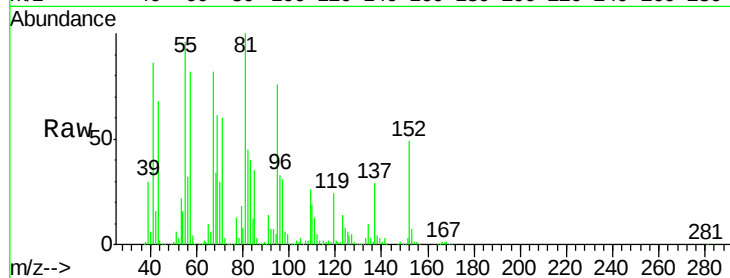
Tgt Ion: 82 Resp: 544046

Ion Ratio Lower Upper

82 100

95 169.7 6.6 10.0#

138 9.0 13.6 20.4#



#26

2-Nitrophenol

Concen: 24.61 ng

RT: 7.76 min Scan# 496

Delta R.T. 0.01 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

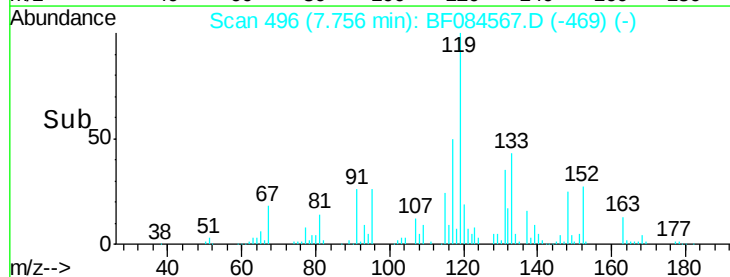
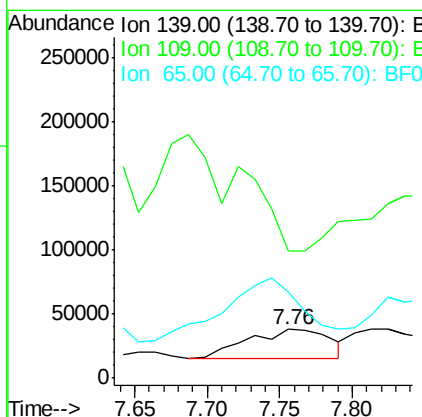
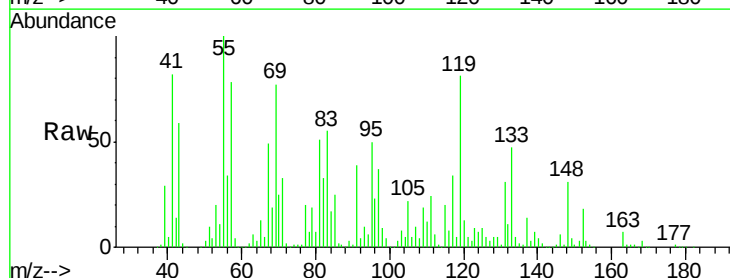
Tgt Ion: 139 Resp: 88349

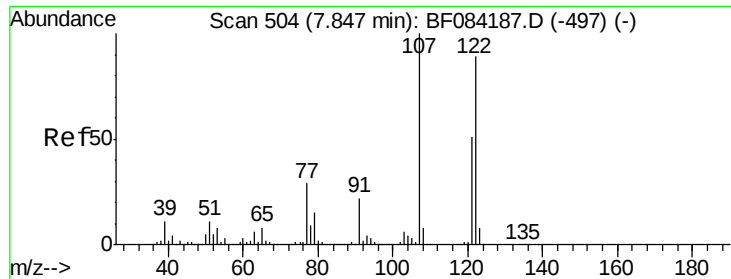
Ion Ratio Lower Upper

139 100

109 262.1 25.4 38.2#

65 176.1 32.3 48.5#





#27

2,4-Dimethylphenol

Concen: 8.36 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.03 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

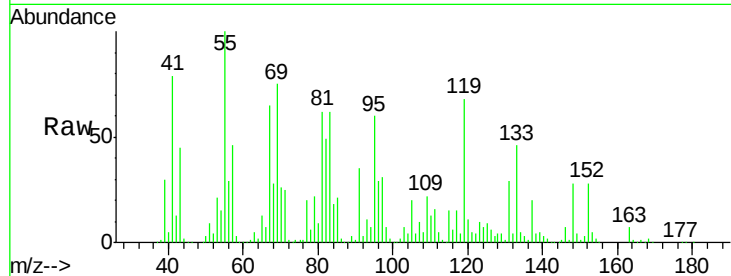
Tgt Ion: 122 Resp: 60742

Ion Ratio Lower Upper

122 100

107 242.3 99.1 148.7#

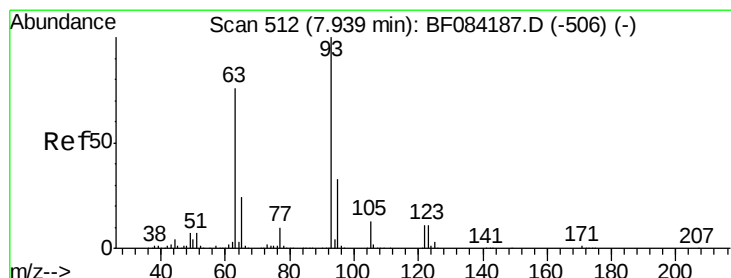
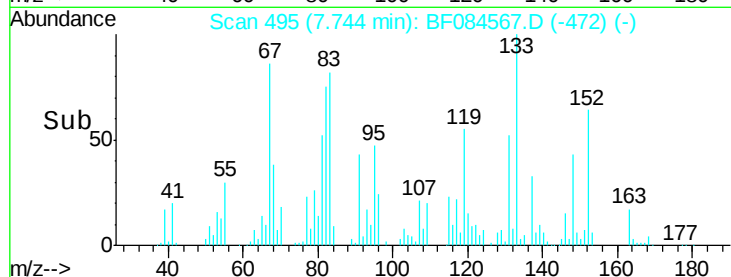
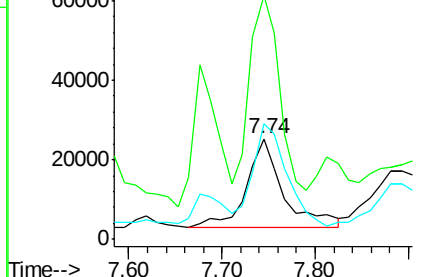
121 115.6 47.9 71.9#



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: 8.53 ng

RT: 7.89 min Scan# 508

Delta R.T. 0.01 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

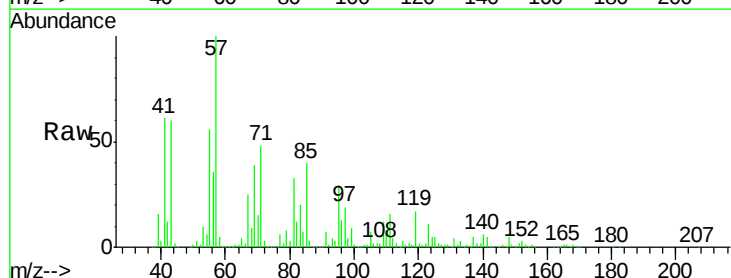
Tgt Ion: 93 Resp: 77470

Ion Ratio Lower Upper

93 100

95 817.2 25.8 38.6#

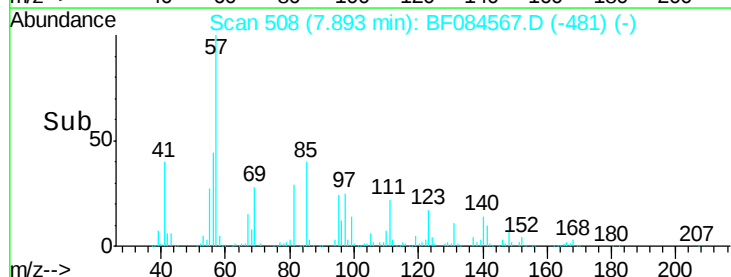
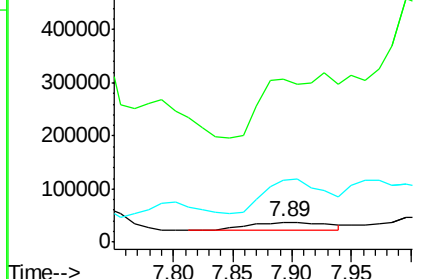
123 308.8 8.6 12.8#

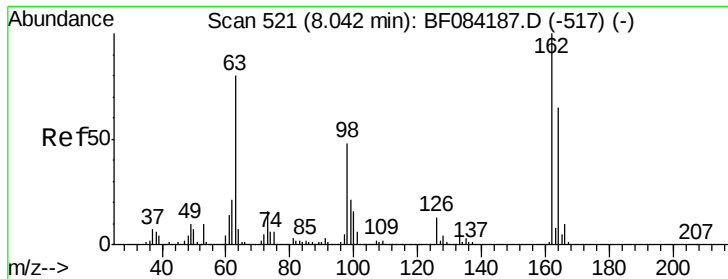


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

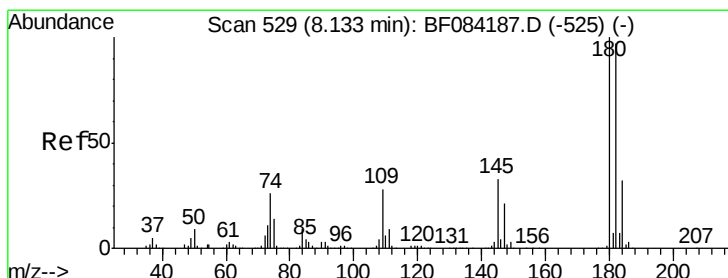
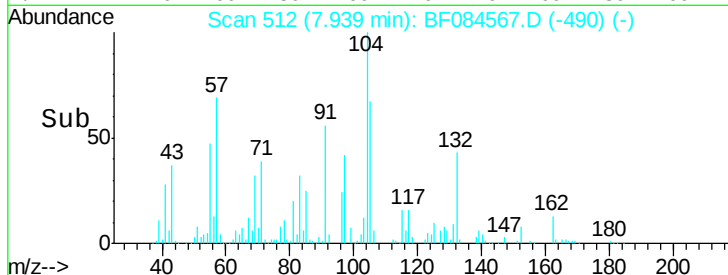
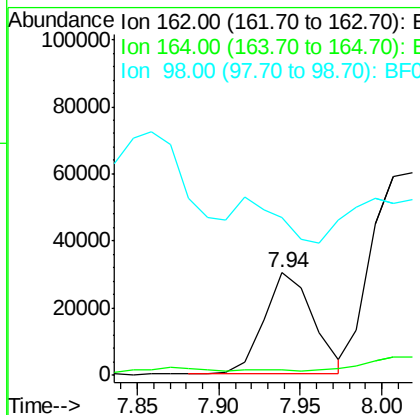
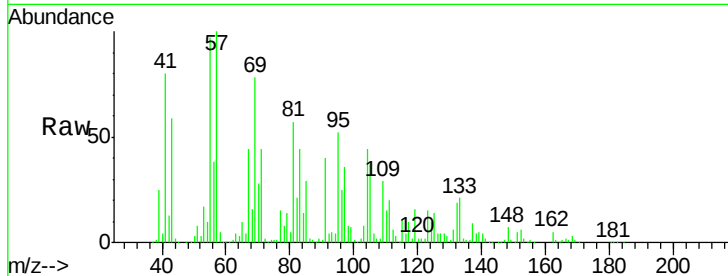




#29
 2,4-Dichlorophenol
 Concen: 10.56 ng
 RT: 7.94 min Scan# 512
 Delta R.T. -0.05 min
 Lab File: BF084567.D
 Acq: 20 Jan 2016 13:45

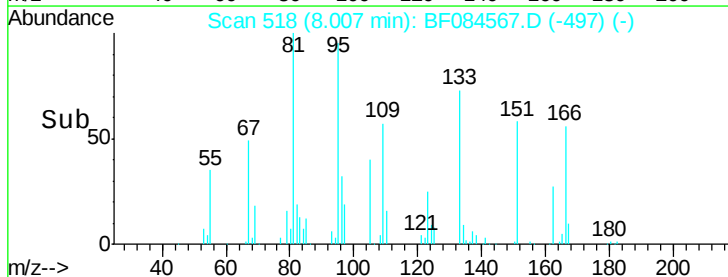
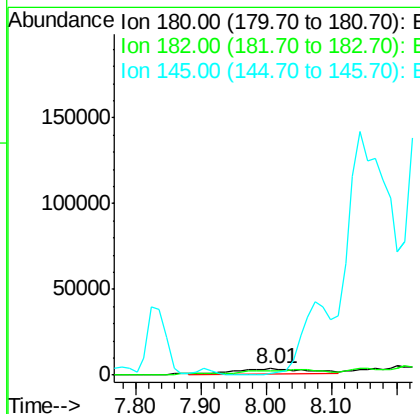
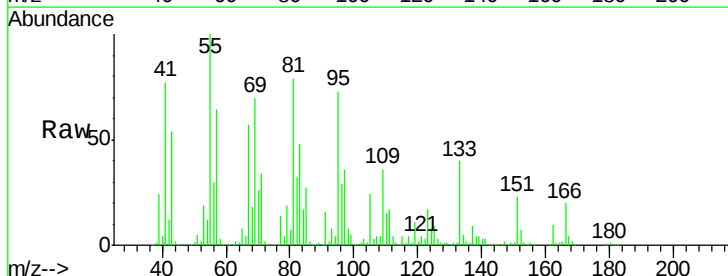
Instrument :
 BNA_F
 ClientSampleId :
 A5-4RE

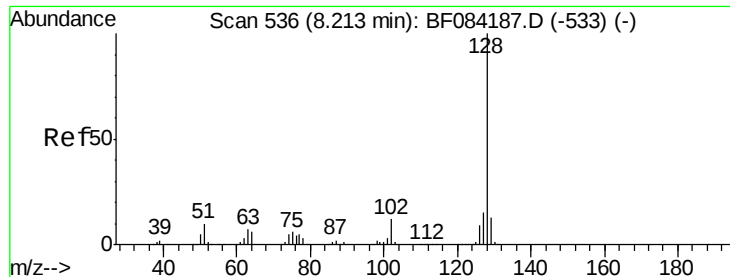
Tgt Ion:162 Resp: 63954
 Ion Ratio Lower Upper
 162 100
 164 4.8 44.1 84.1#
 98 153.9 20.2 60.2#



#30
 1,2,4-Trichlorobenzene
 Concen: 3.89 ng
 RT: 8.01 min Scan# 518
 Delta R.T. -0.06 min
 Lab File: BF084567.D
 Acq: 20 Jan 2016 13:45

Tgt Ion:180 Resp: 24285
 Ion Ratio Lower Upper
 180 100
 182 60.8 76.4 114.6#
 145 20.7 31.6 47.4#

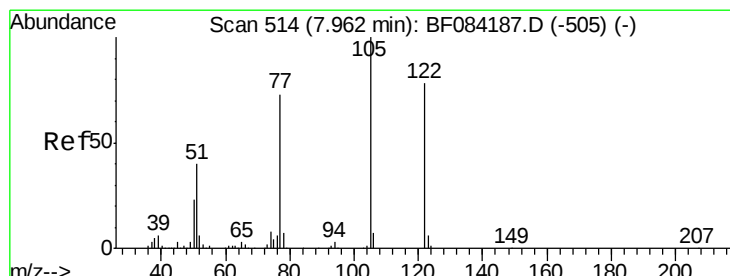
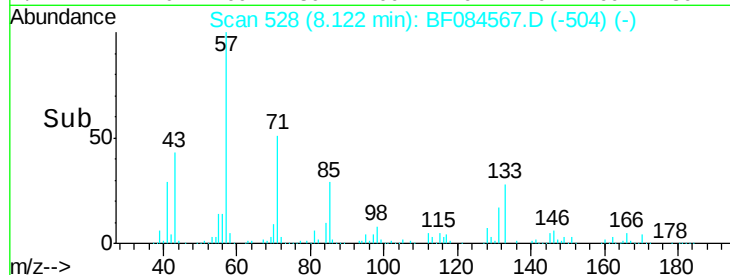
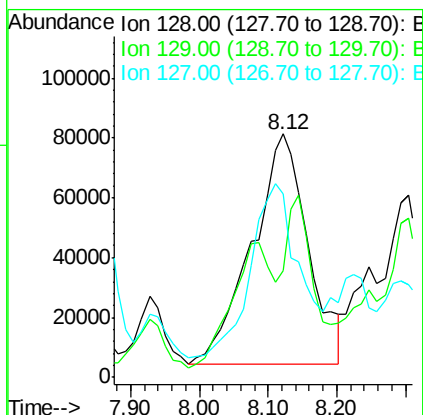
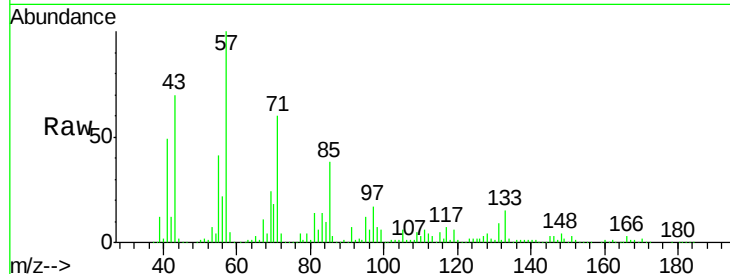




#31
Naphthalene
Concen: 22.25 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF084567.D
Acq: 20 Jan 2016 13:45

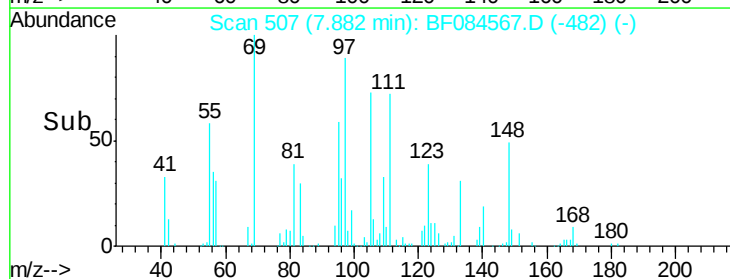
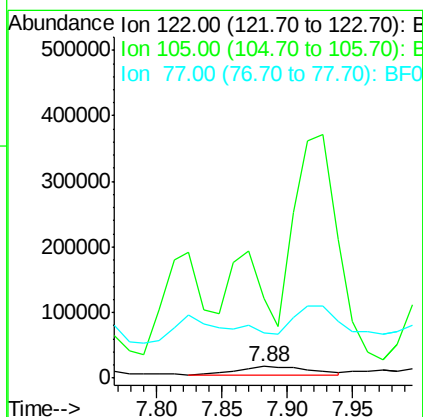
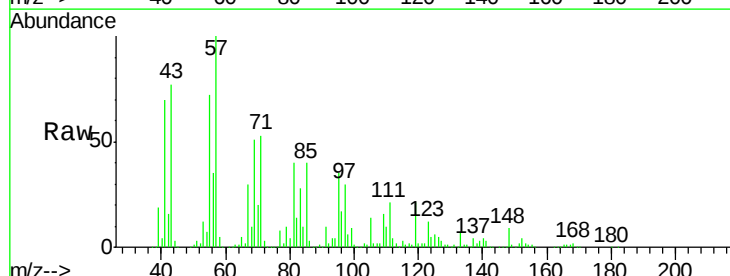
Instrument :
BNA_F
ClientSampleId :
A5-4RE

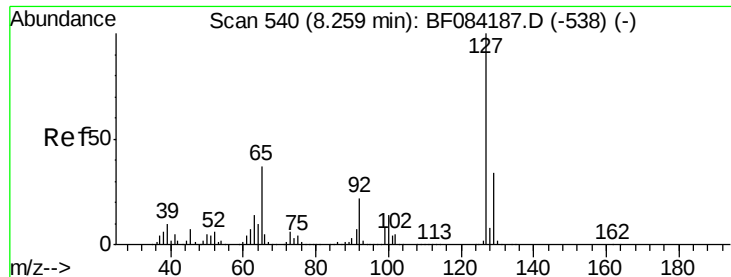
Tgt Ion:128 Resp: 437056
Ion Ratio Lower Upper
128 100
129 43.6 9.1 13.7#
127 75.5 11.1 16.7#



#32
Benzoic acid
Concen: 15.52 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF084567.D
Acq: 20 Jan 2016 13:45

Tgt Ion:122 Resp: 49849
Ion Ratio Lower Upper
122 100
105 701.4 100.3 140.3#
77 402.6 63.5 103.5#

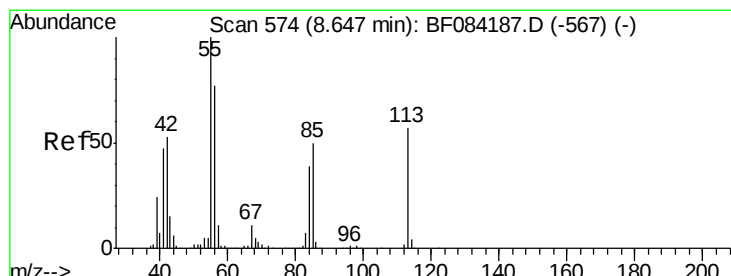
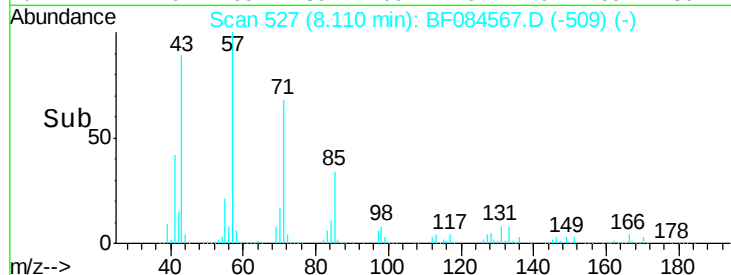
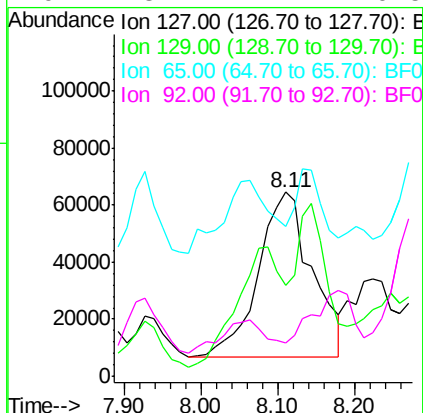
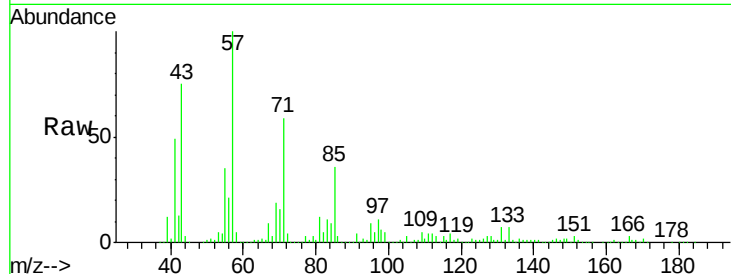




#33
4-Chloroaniline
Concen: 31.36 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.09 min
Lab File: BF084567.D
Acq: 20 Jan 2016 13:45

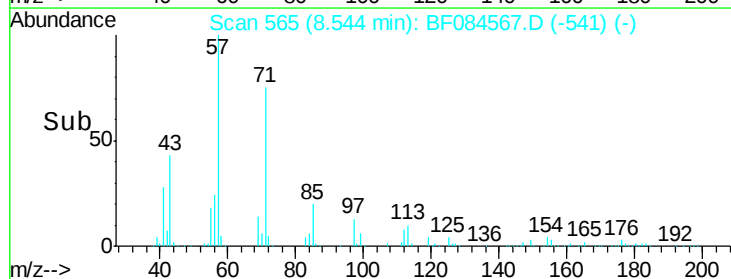
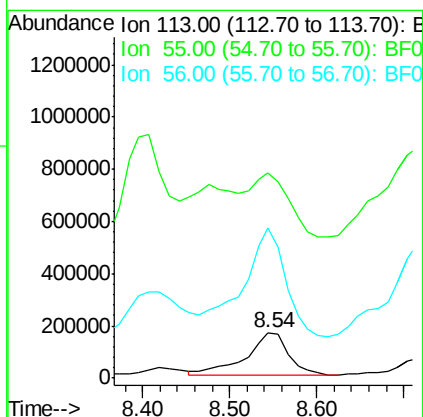
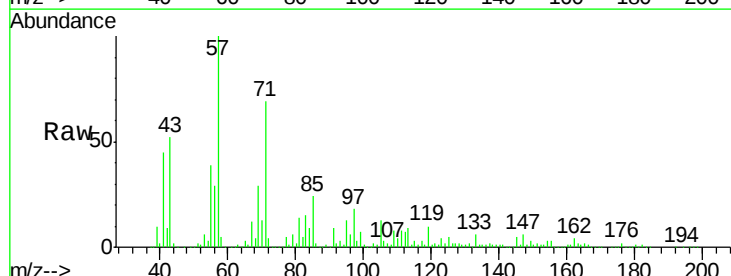
Instrument :
BNA_F
ClientSampleId :
A5-4RE

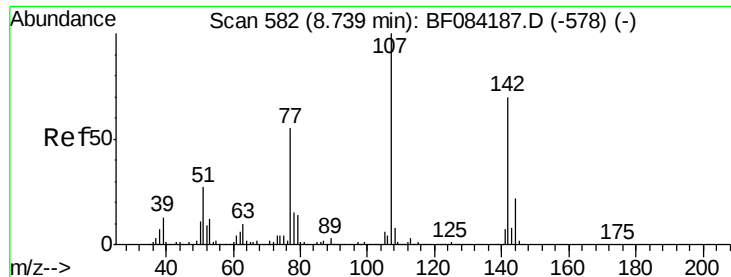
Tgt Ion:	127	Resp:	282355
Ion	Ratio	Lower	Upper
127	100		
129	49.4	26.5	39.7#
65	81.2	27.2	40.8#
92	18.4	17.7	26.5



#35
Caprolactam
Concen: 267.83 ng
RT: 8.54 min Scan# 565
Delta R.T. -0.02 min
Lab File: BF084567.D
Acq: 20 Jan 2016 13:45

Tgt Ion:	113	Resp:	546615
Ion	Ratio	Lower	Upper
113	100		
55	451.3	116.9	156.9#
56	329.8	93.8	133.8#





#36

4-Chloro-3-methylphenol

Concen: 14.09 ng

RT: 8.65 min Scan# 574

Delta R.T. -0.03 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

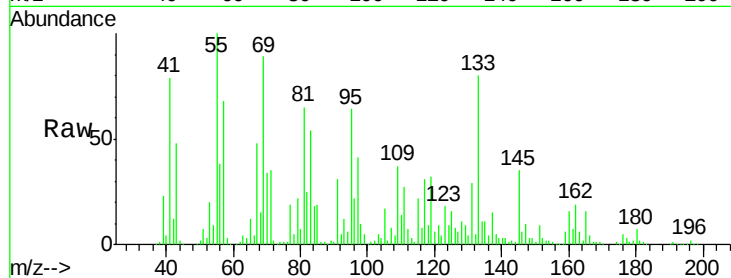
Tgt Ion:107 Resp: 95551

Ion Ratio Lower Upper

107 100

144 13.4 19.7 29.5#

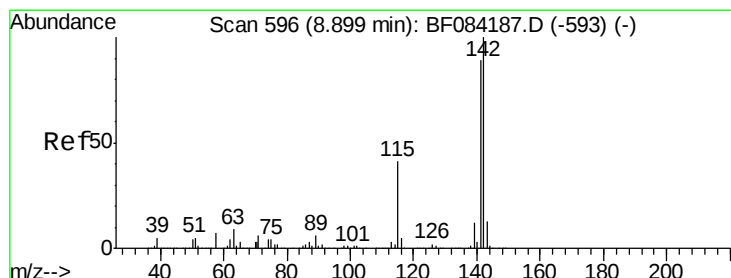
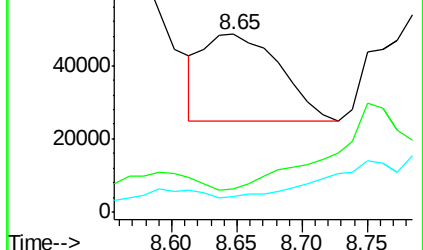
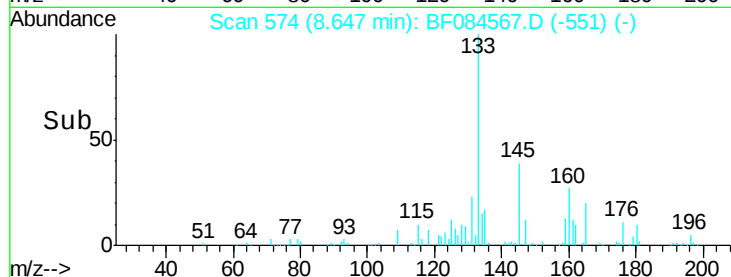
142 8.5 61.8 92.6#



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: 42.36 ng

RT: 8.82 min Scan# 589

Delta R.T. -0.01 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

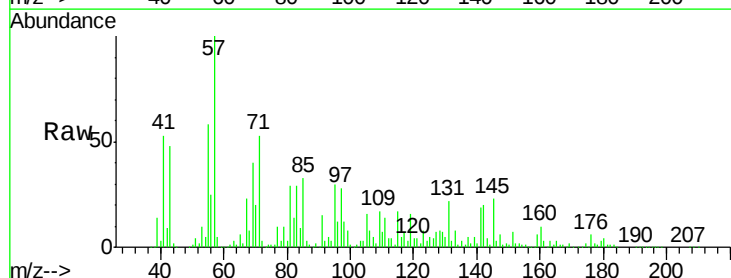
Tgt Ion:142 Resp: 597251

Ion Ratio Lower Upper

142 100

141 95.5 72.4 108.6

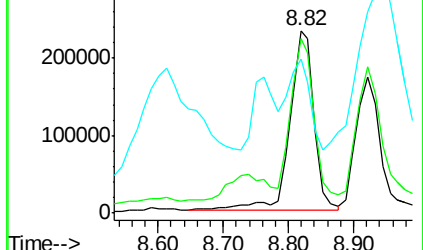
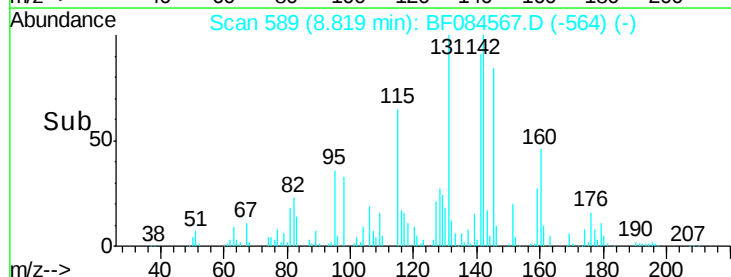
115 84.4 27.9 41.9#

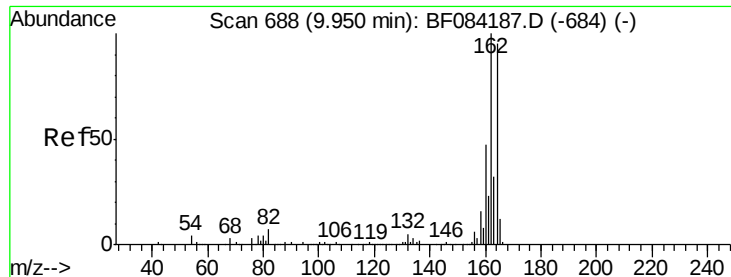


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampled :

A5-4RE

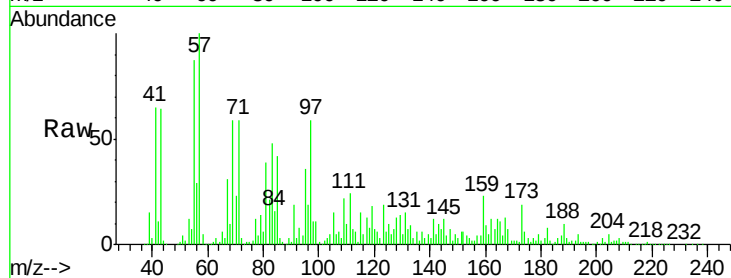
Tgt Ion:164 Resp: 210842

Ion Ratio Lower Upper

164 100

162 95.5 85.1 127.7

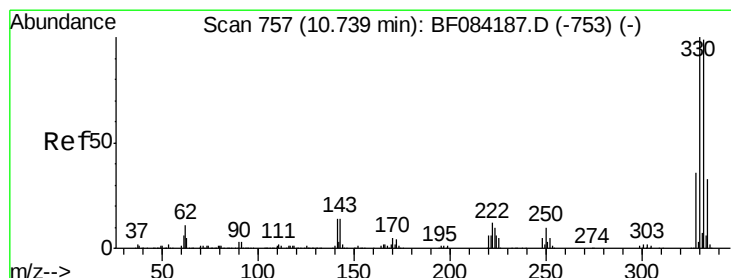
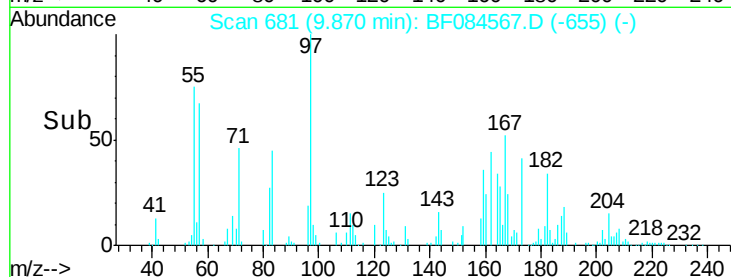
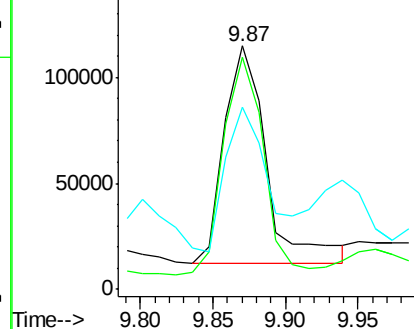
160 74.8 37.5 56.3#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 108.55 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

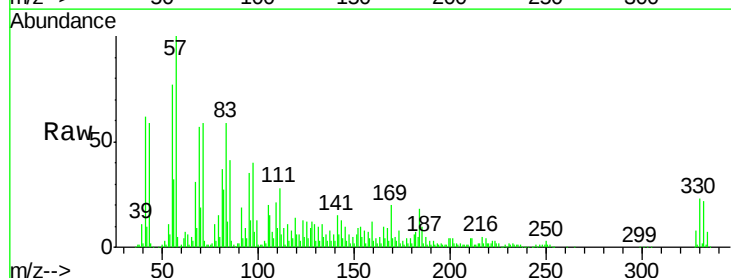
Tgt Ion:330 Resp: 231053

Ion Ratio Lower Upper

330 100

332 99.4 76.6 114.8

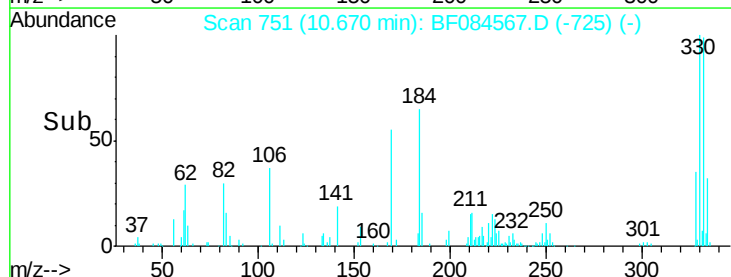
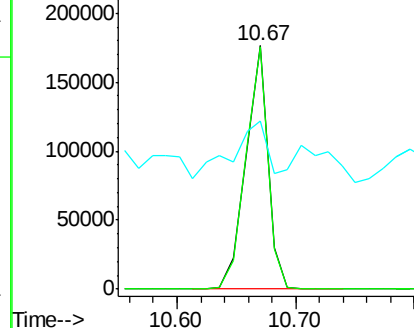
141 38.2 27.8 41.6

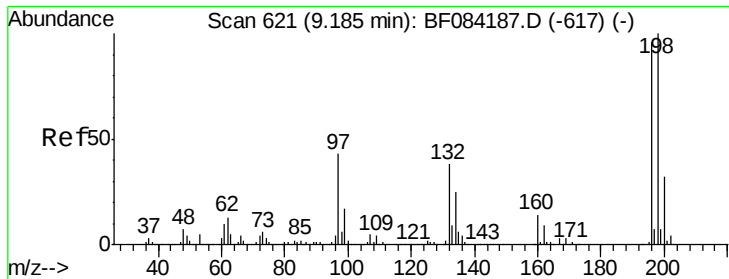


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 3.70 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

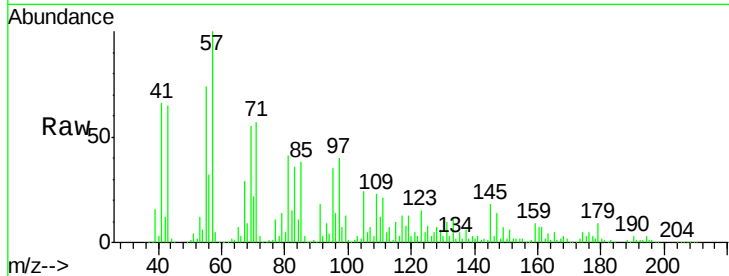
Tgt Ion:196 Resp: 16774

Ion Ratio Lower Upper

196 100

198 7.8 77.7 116.5#

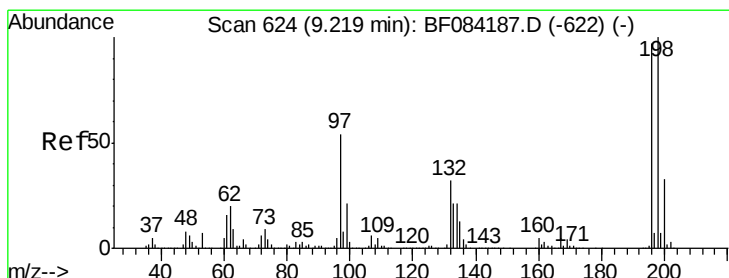
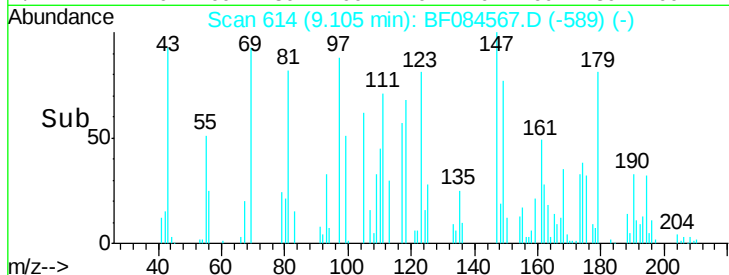
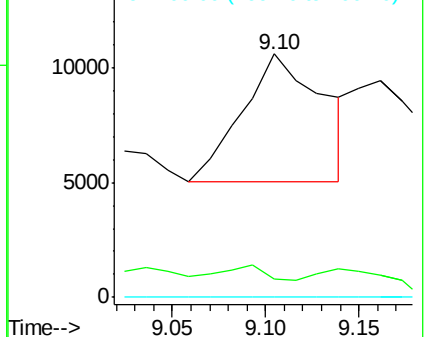
200 0.0 24.6 37.0#



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 3.86 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.06 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Tgt Ion:196 Resp: 16774

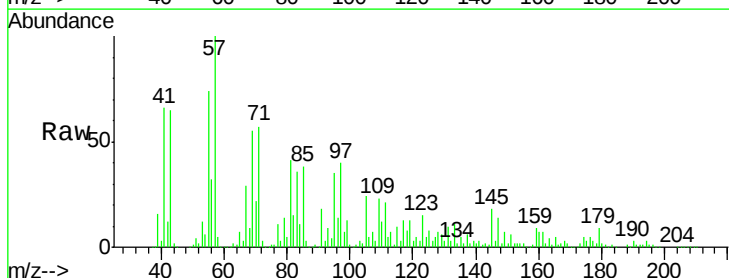
Ion Ratio Lower Upper

196 100

198 7.8 79.0 118.6#

97 3631.6 33.0 49.6#

132 292.5 21.1 31.7#

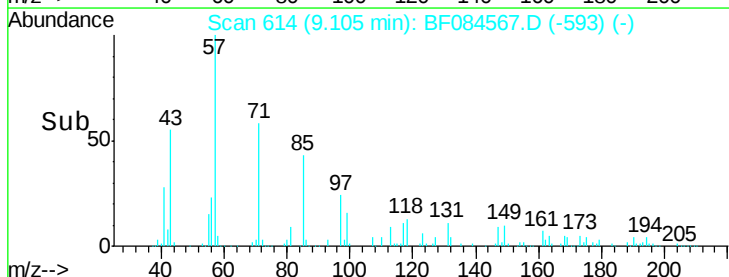
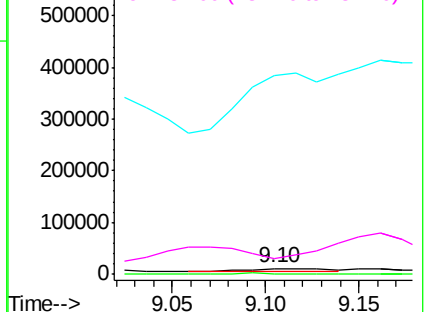


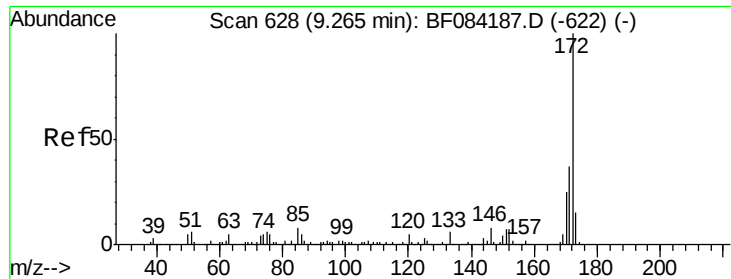
Abundance Ion 196.00 (195.70 to 196.70): E

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

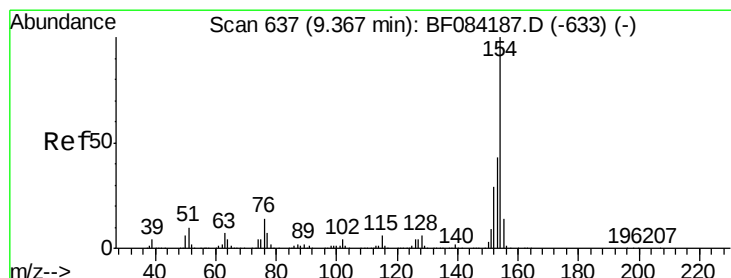
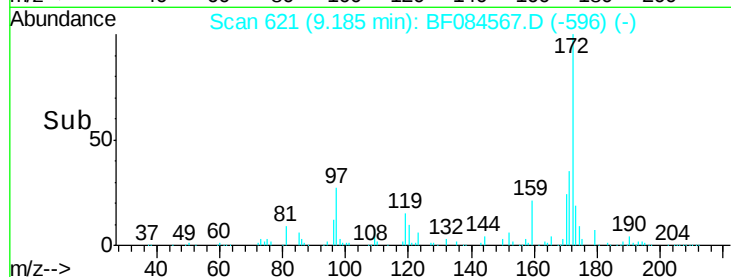
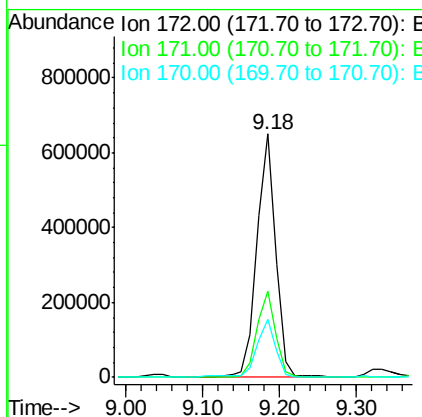
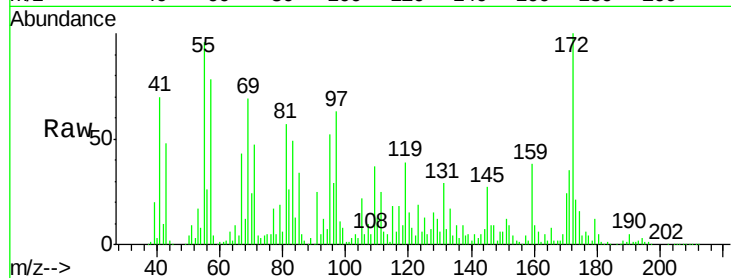




#44
 2-Fluorobiphenyl
 Concen: 90.97 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084567.D
 Acq: 20 Jan 2016 13:45

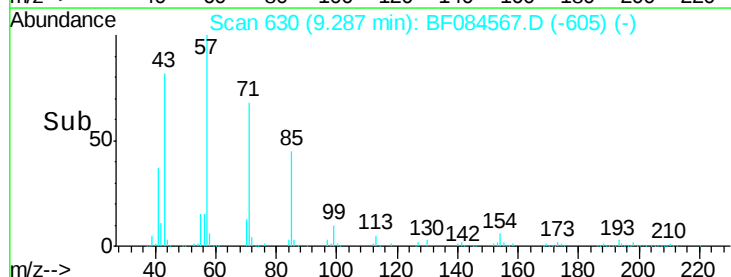
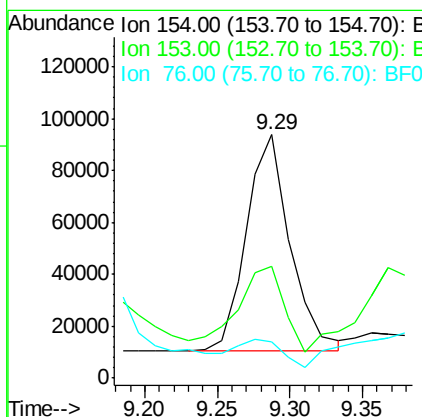
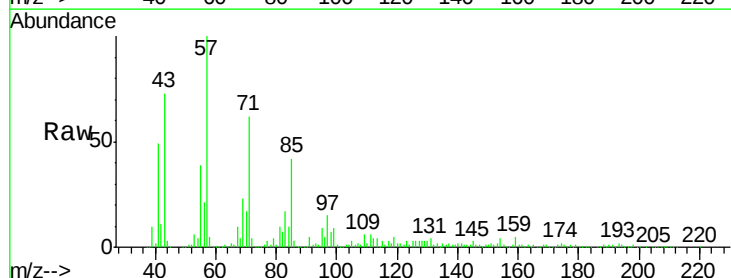
Instrument :
 BNA_F
 ClientSampleId :
 A5-4RE

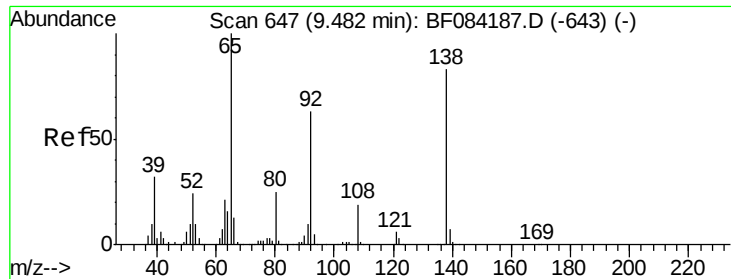
Tgt Ion:172 Resp: 1084933
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 23.9 18.6 27.8



#45
 1,1'-Biphenyl
 Concen: 10.42 ng
 RT: 9.29 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: BF084567.D
 Acq: 20 Jan 2016 13:45

Tgt Ion:154 Resp: 174659
 Ion Ratio Lower Upper
 154 100
 153 45.8 21.6 61.6
 76 14.9 0.0 32.7





#47

2-Nitroaniline

Concen: 30.16 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.07 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

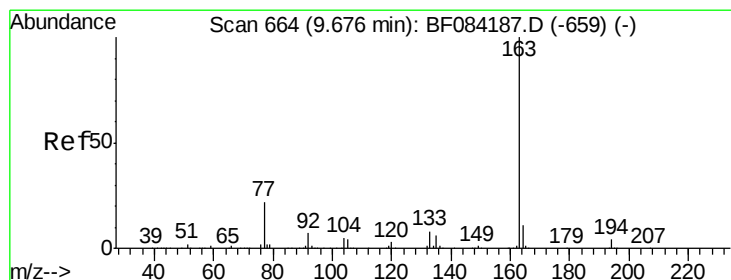
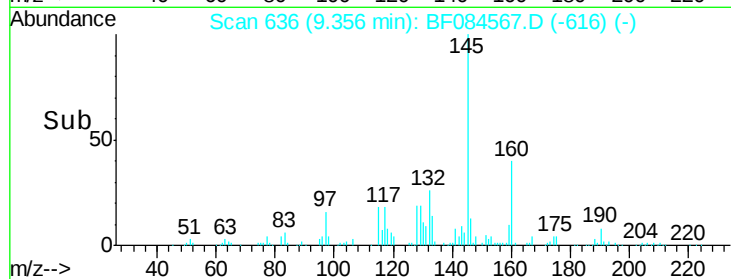
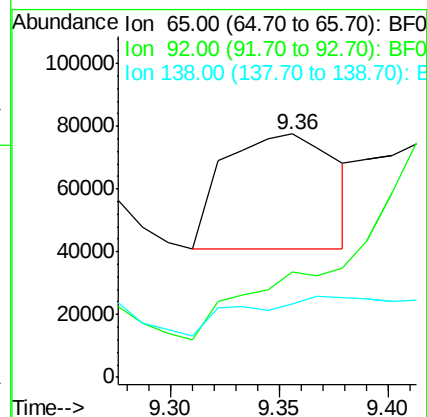
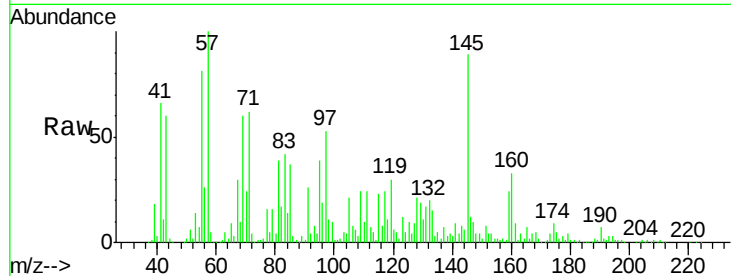
Tgt Ion: 65 Resp: 131022

Ion Ratio Lower Upper

65 100

92 43.3 53.4 80.2#

138 30.1 71.1 106.7#



#49

Dimethylphthalate

Concen: 25.55 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.03 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

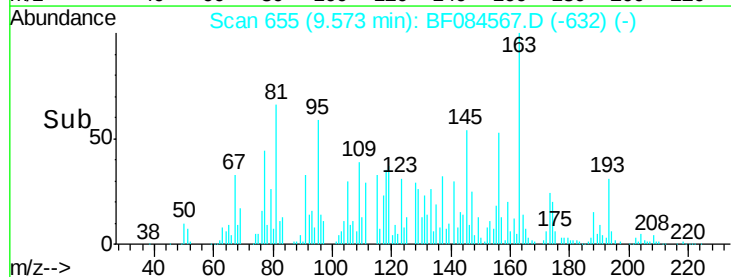
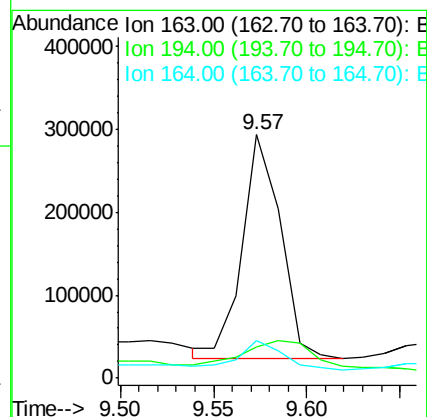
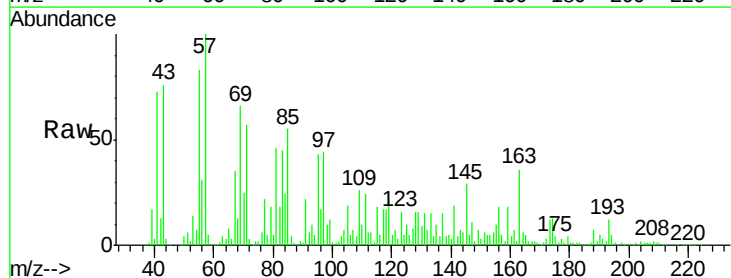
Tgt Ion: 163 Resp: 385172

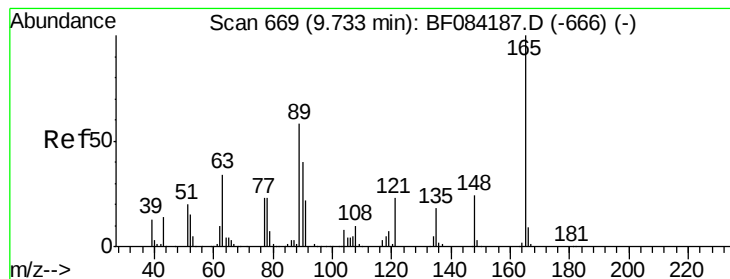
Ion Ratio Lower Upper

163 100

194 13.0 8.0 12.0#

164 15.5 8.0 12.0#





#50

2,6-Dinitrotoluene

Concen: 12.20 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

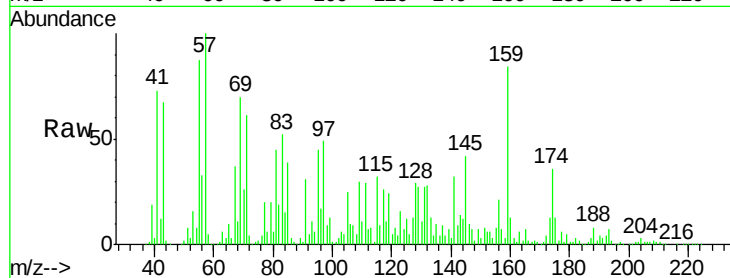
Tgt Ion:165 Resp: 40331

Ion Ratio Lower Upper

165 100

63 87.5 28.8 43.2#

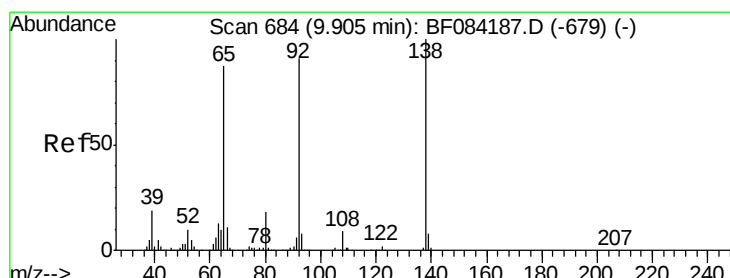
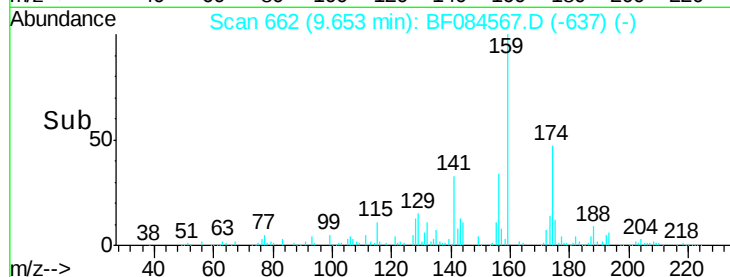
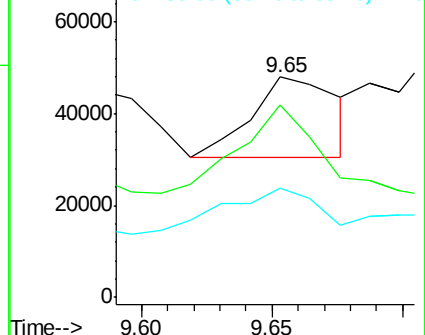
89 49.5 35.1 52.7



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



#52

3-Nitroaniline

Concen: 8.91 ng

RT: 9.86 min Scan# 680

Delta R.T. 0.02 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

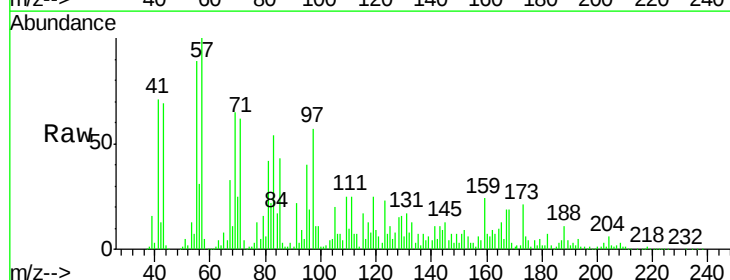
Tgt Ion:138 Resp: 36490

Ion Ratio Lower Upper

138 100

108 109.2 10.5 15.7#

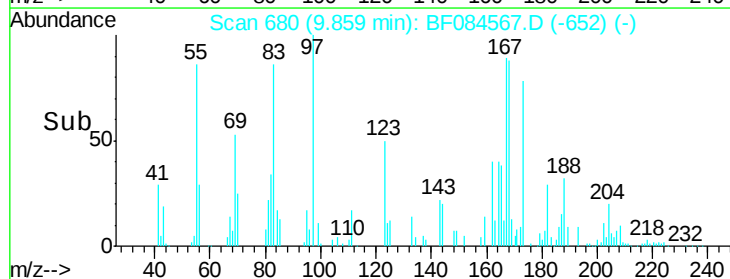
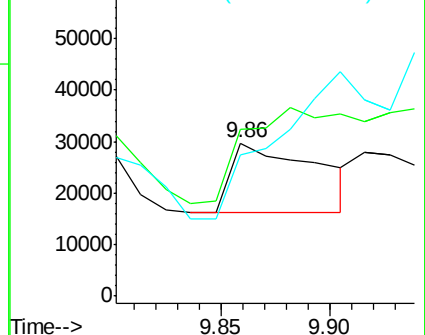
92 92.6 103.9 155.9#

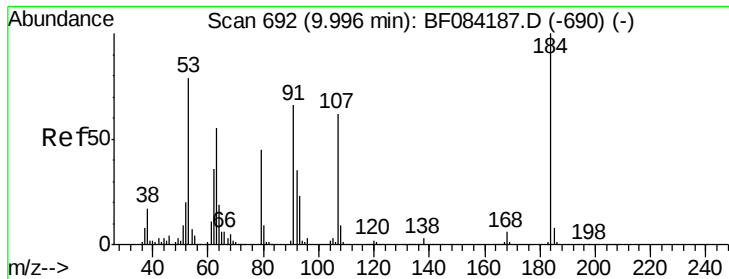


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

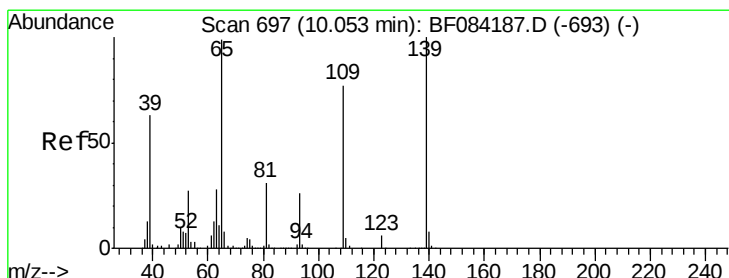
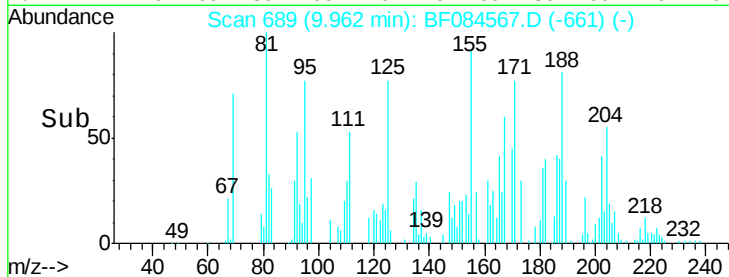
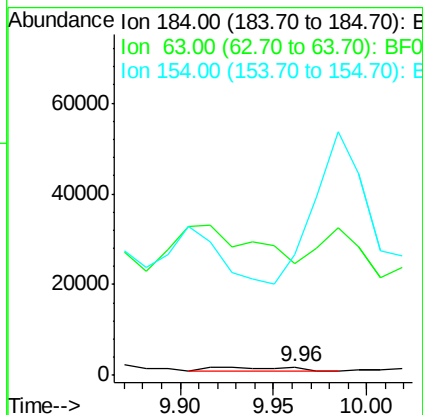
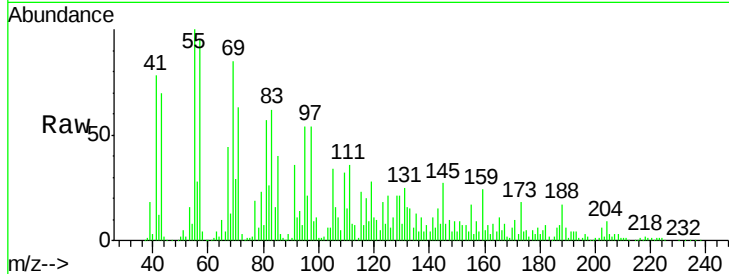




#53
 2,4-Dinitrophenol
 Concen: 5.26 ng
 RT: 9.96 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: BF084567.D
 Acq: 20 Jan 2016 13:45

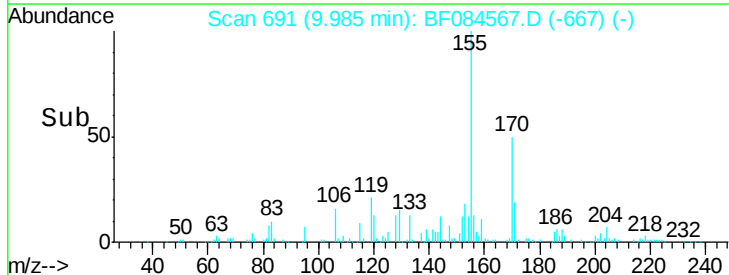
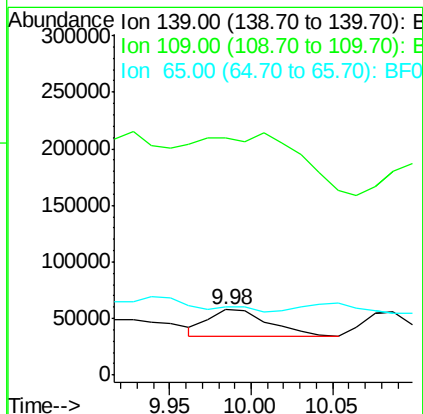
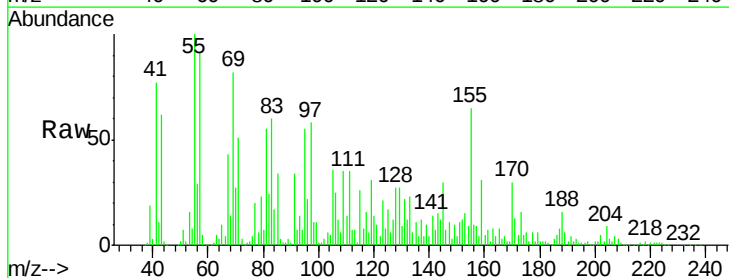
Instrument :
 BNA_F
 ClientSampleId :
 A5-4RE

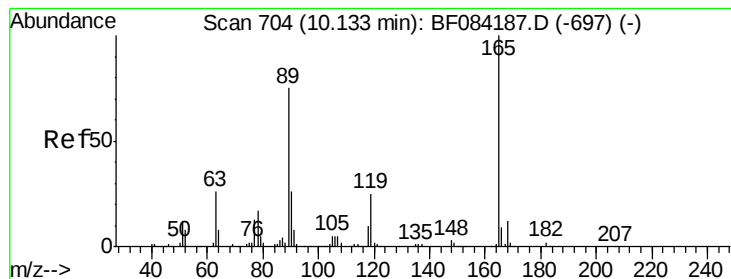
Tgt Ion:184 Resp: 2506
 Ion Ratio Lower Upper
 184 100
 63 1287.9 43.1 64.7#
 154 1391.1 60.5 90.7#



#55
 4-Nitrophenol
 Concen: 20.33 ng
 RT: 9.98 min Scan# 691
 Delta R.T. -0.02 min
 Lab File: BF084567.D
 Acq: 20 Jan 2016 13:45

Tgt Ion:139 Resp: 60450
 Ion Ratio Lower Upper
 139 100
 109 361.8 58.5 98.5#
 65 103.6 57.6 97.6#





#56

2,4-Dinitrotoluene

Concen: 5.12 ng

RT: 10.09 min Scan# 700

Delta R.T. 0.02 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

Tgt Ion:165 Resp: 21414

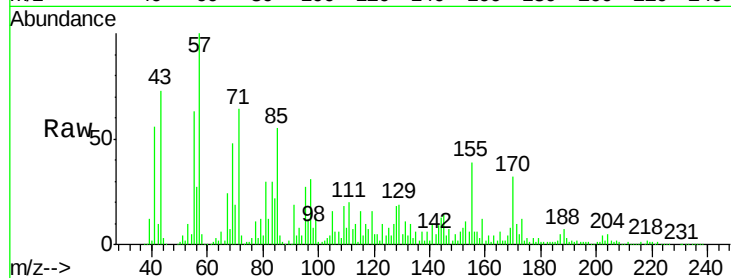
Ion Ratio Lower Upper

165 100

63 58.4 36.7 55.1#

89 35.7 61.9 92.9#

182 22.2 2.0 3.0#

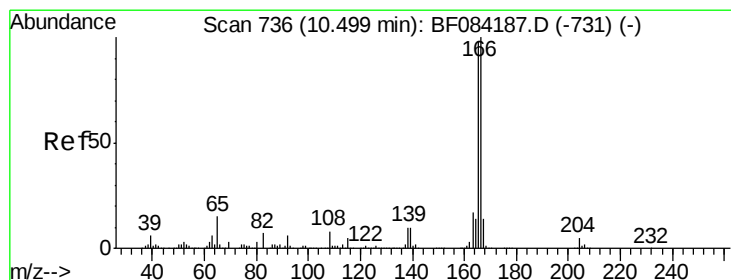
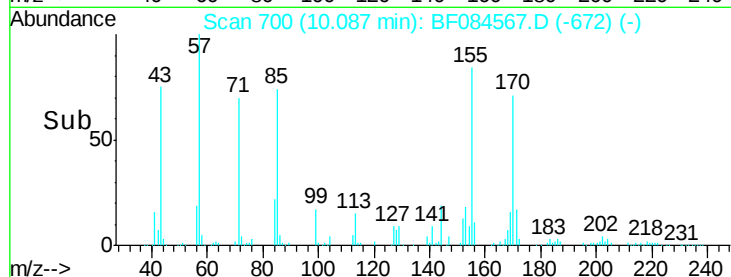
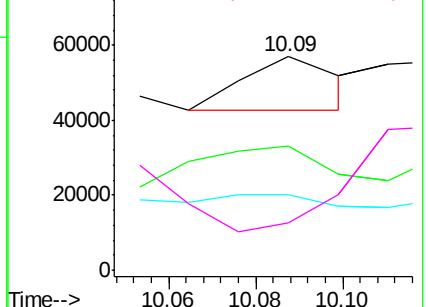


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

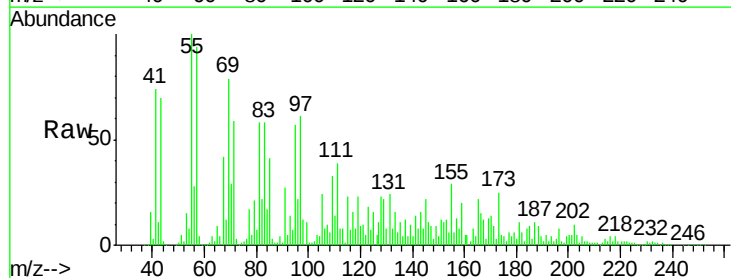
Tgt Ion:166 Resp: 278533

Ion Ratio Lower Upper

166 100

165 149.1 79.1 118.7#

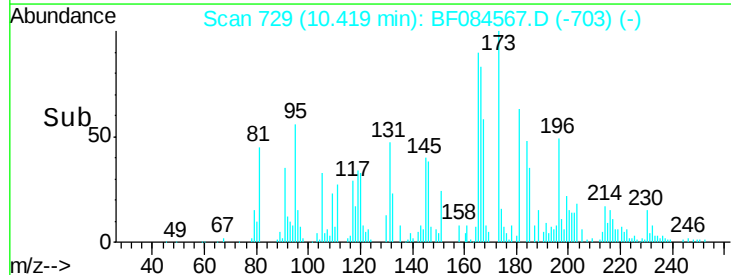
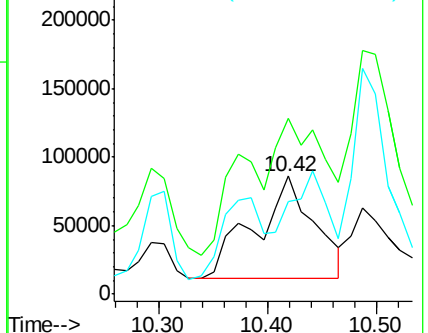
167 79.0 10.4 15.6#

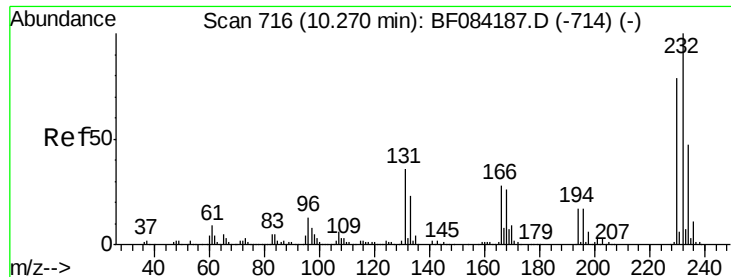


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

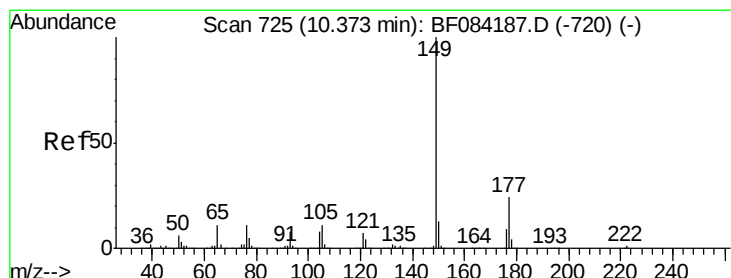
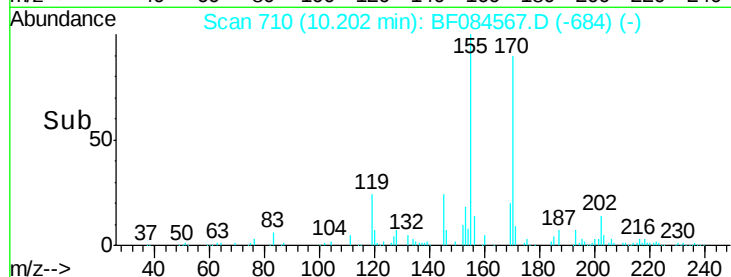
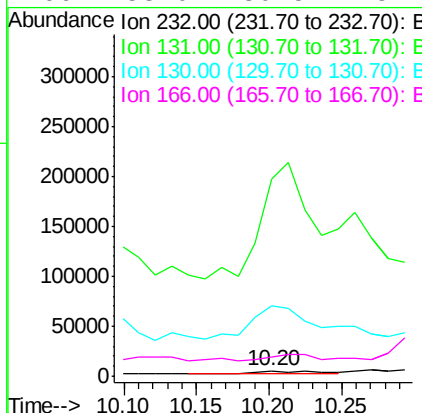
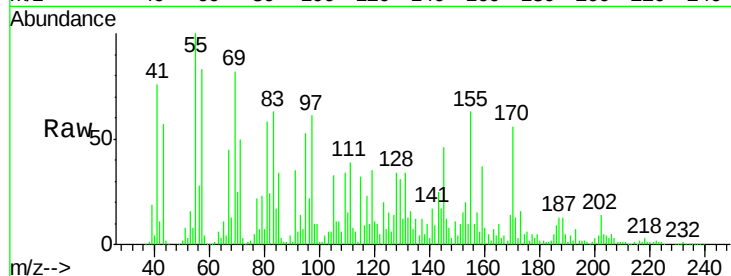




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.77 ng
 RT: 10.20 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BF084567.D
 Acq: 20 Jan 2016 13:45

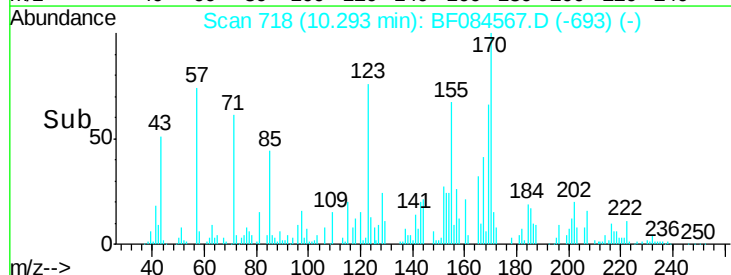
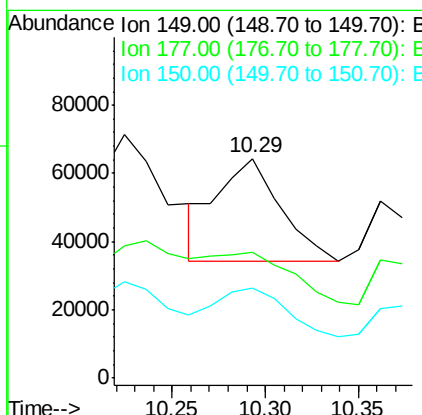
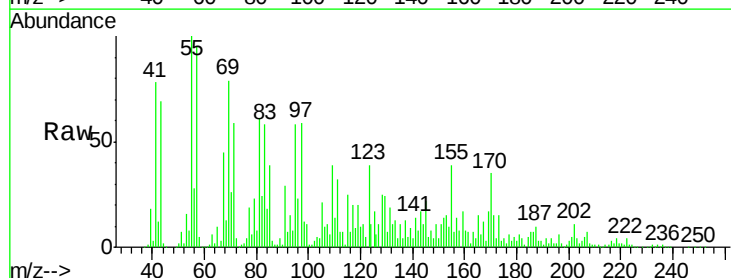
Instrument :
 BNA_F
 ClientSampleId :
 A5-4RE

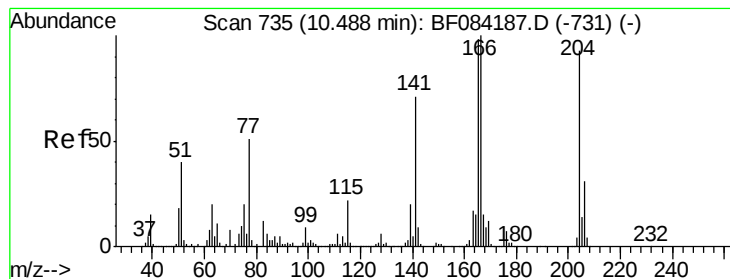
Tgt Ion: 232 Resp: 10279
 Ion Ratio Lower Upper
 232 100
 131 7831.5 47.0 70.6#
 130 1133.8 2.0 3.0#
 166 158.0 30.5 45.7#



#59
 Diethylphthalate
 Concen: 4.77 ng
 RT: 10.29 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: BF084567.D
 Acq: 20 Jan 2016 13:45

Tgt Ion: 149 Resp: 70908
 Ion Ratio Lower Upper
 149 100
 177 57.2 17.3 25.9#
 150 40.9 9.8 14.8#





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.36 min Scan# 724

Delta R.T. -0.06 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

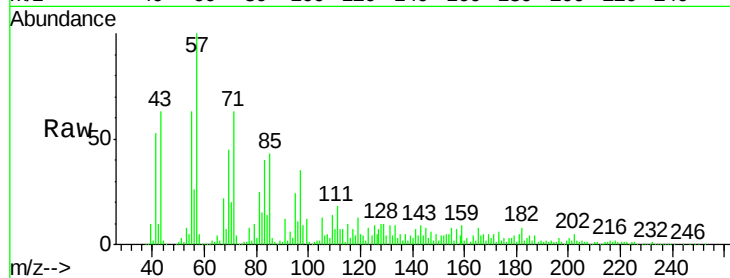
Tgt Ion:204 Resp: 18423

Ion Ratio Lower Upper

204 100

206 81.5 25.7 38.5#

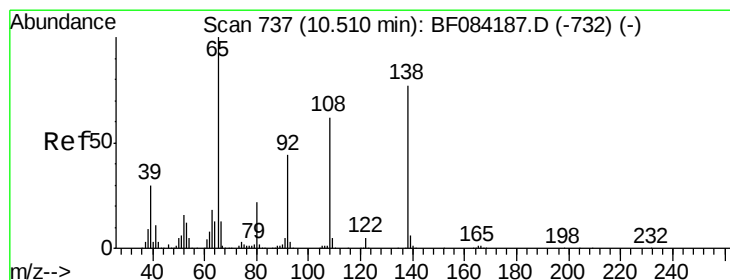
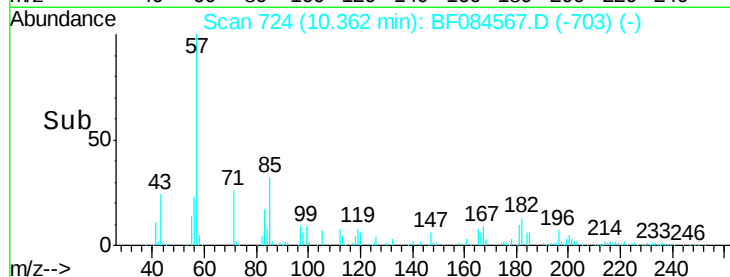
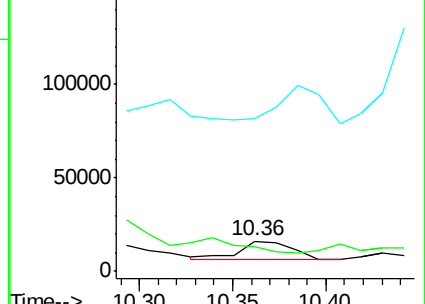
141 505.0 55.1 82.7#



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: 13.44 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.06 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

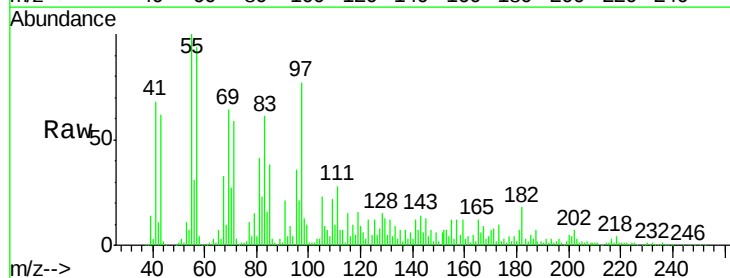
Tgt Ion:138 Resp: 49091

Ion Ratio Lower Upper

138 100

92 119.9 32.6 72.6#

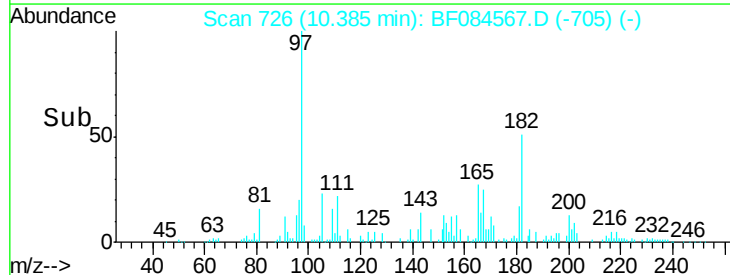
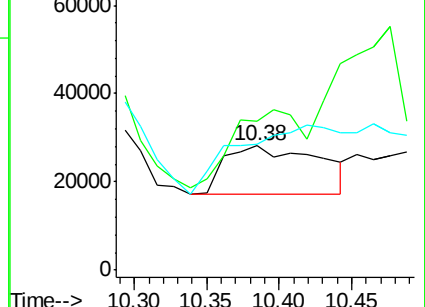
108 101.7 68.6 108.6

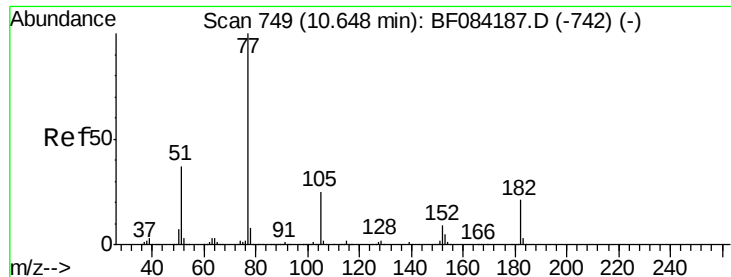


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 4.93 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

Tgt Ion: 77 Resp: 80377

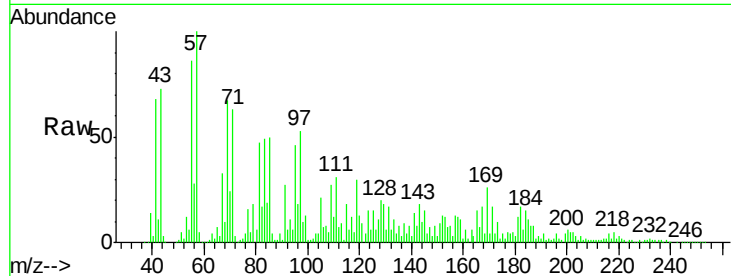
Ion Ratio Lower Upper

77 100

182 110.5 8.3 48.3#

105 135.1 4.6 44.6#

51 29.5 6.2 46.2



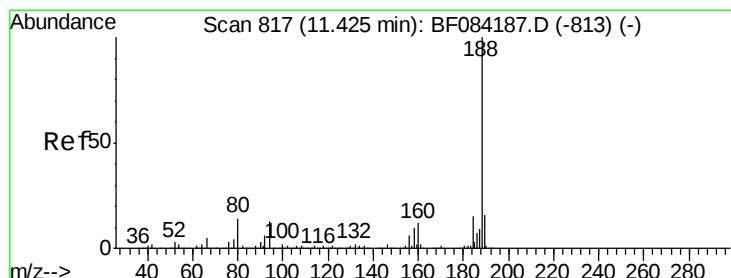
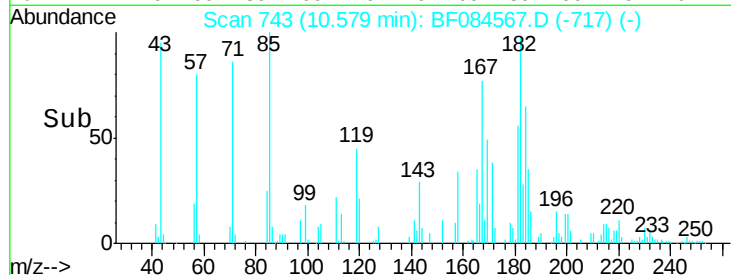
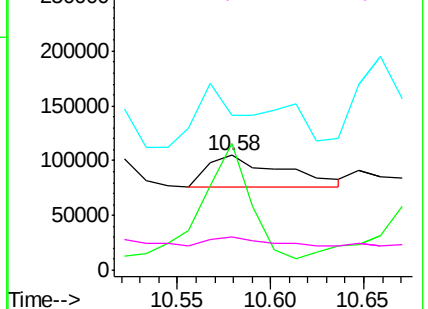
Abundance

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: 11.37 min Scan# 812

Delta R.T. 0.01 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

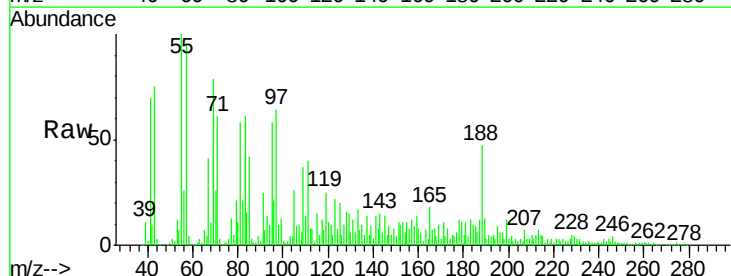
Tgt Ion: 188 Resp: 359810

Ion Ratio Lower Upper

188 100

94 22.0 9.0 13.4#

80 23.2 9.6 14.4#

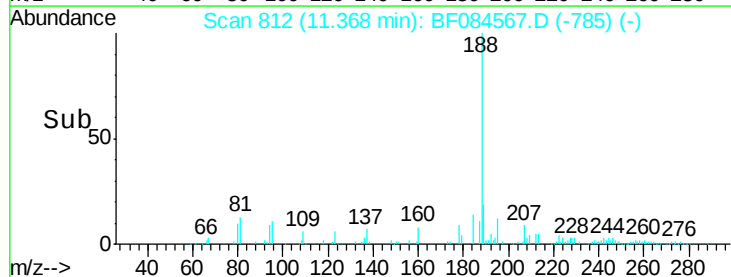
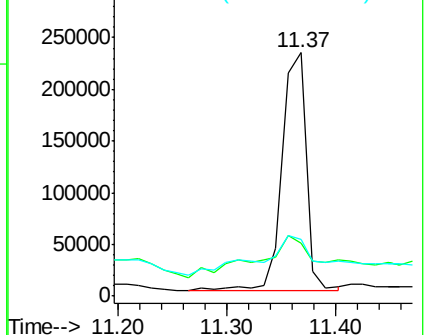


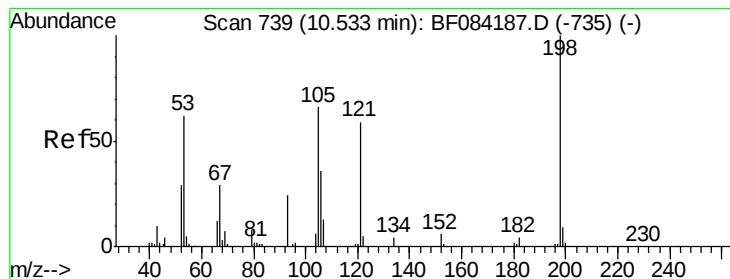
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 9.47 ng

RT: 10.52 min Scan# 738

Delta R.T. 0.05 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

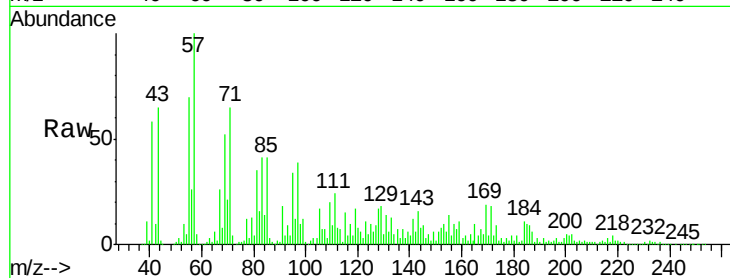
Tgt Ion:198 Resp: 9161

Ion Ratio Lower Upper

198 100

51 452.5 18.9 58.9#

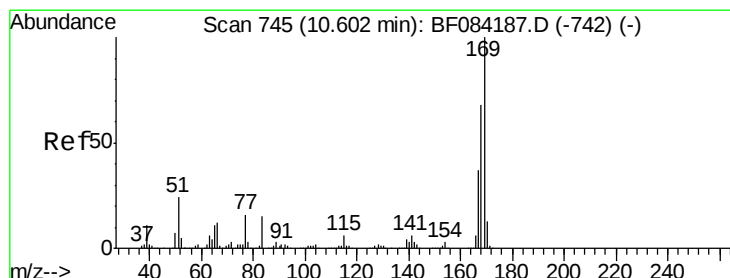
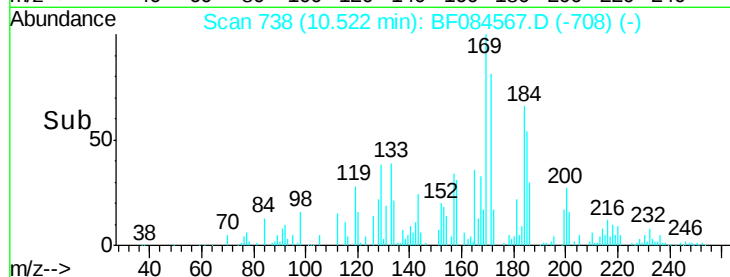
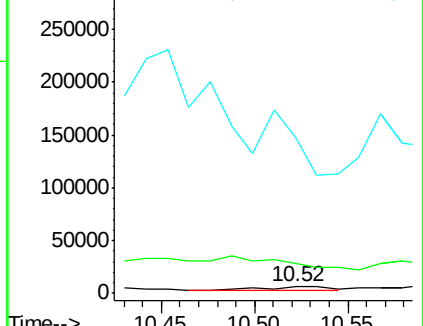
105 2379.9 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 38.87 ng

RT: 10.54 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

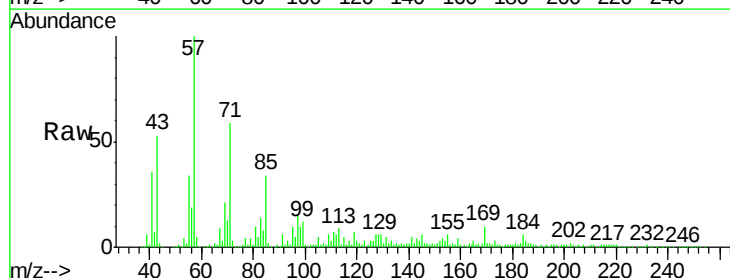
Tgt Ion:169 Resp: 447196

Ion Ratio Lower Upper

169 100

168 21.2 55.1 82.7#

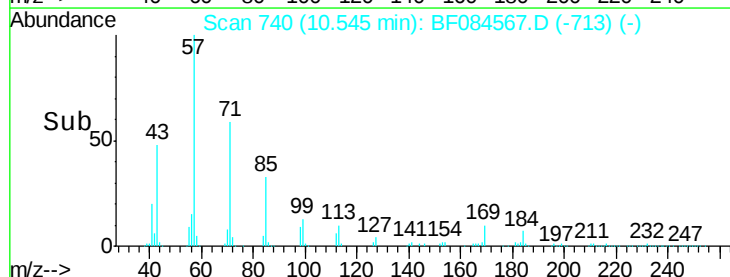
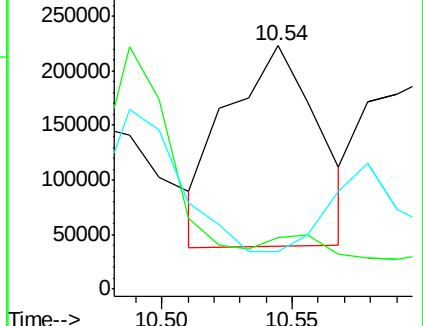
167 15.5 30.0 45.0#

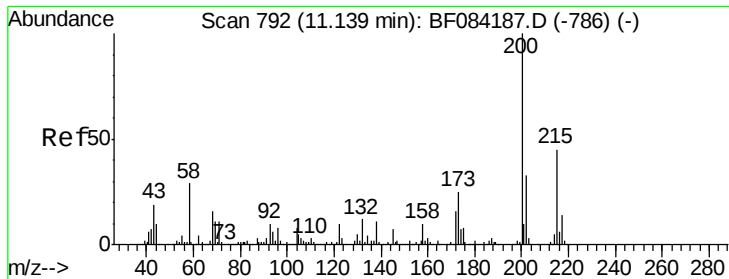


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

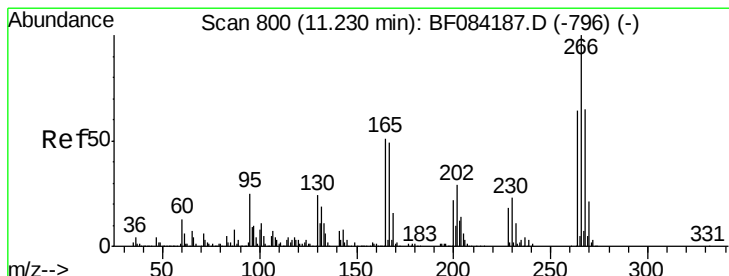
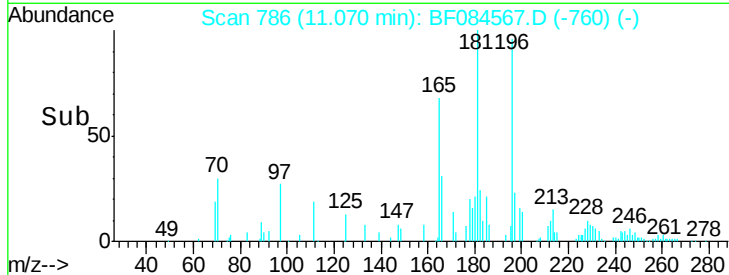
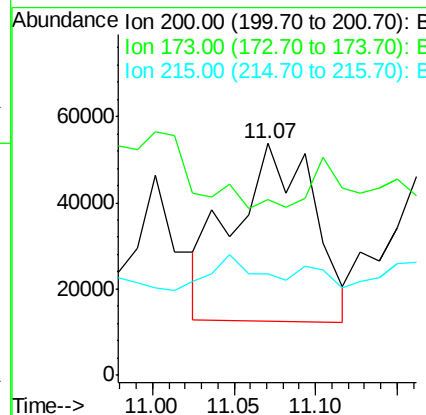
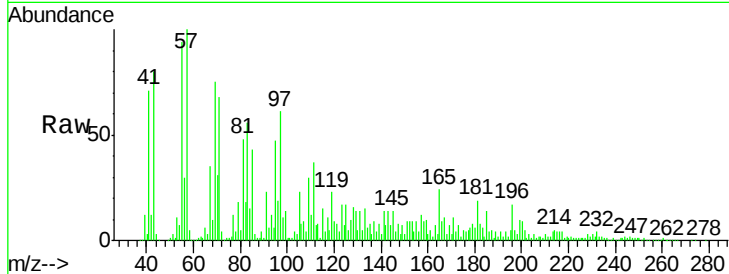




#68
Atrazine
Concen: 37.66 ng
RT: 11.07 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF084567.D
Acq: 20 Jan 2016 13:45

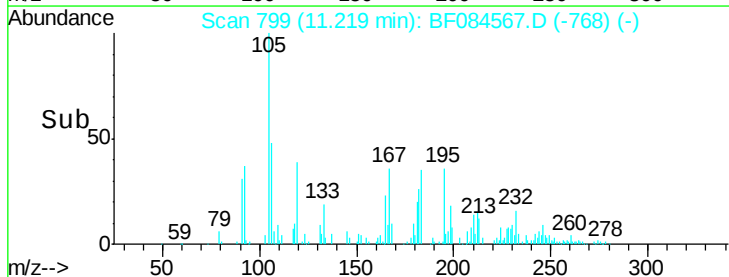
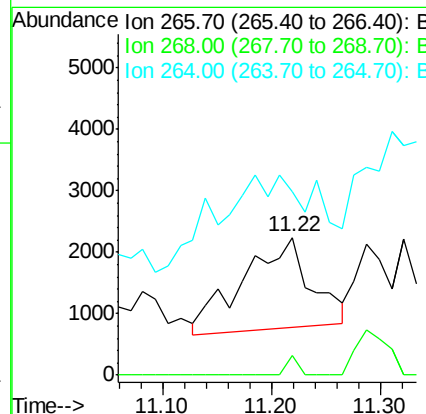
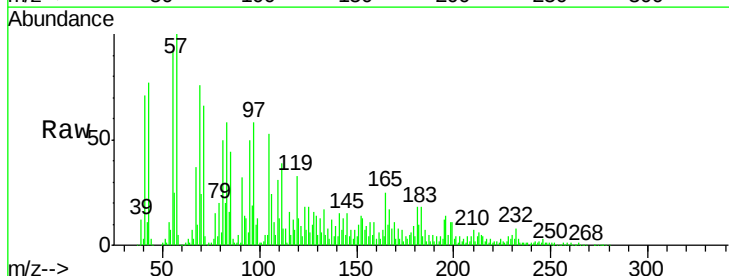
Instrument :
BNA_F
ClientSampleId :
A5-4RE

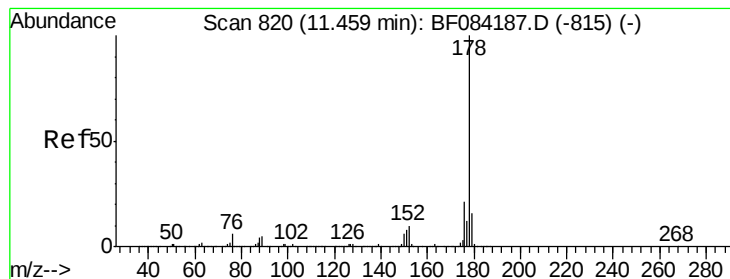
Tgt Ion:200 Resp: 141786
Ion Ratio Lower Upper
200 100
173 75.6 9.5 49.5#
215 43.9 23.8 63.8



#69
Pentachlorophenol
Concen: 2.89 ng
RT: 11.22 min Scan# 799
Delta R.T. 0.06 min
Lab File: BF084567.D
Acq: 20 Jan 2016 13:45

Tgt Ion:266 Resp: 6521
Ion Ratio Lower Upper
266 100
268 14.3 52.4 78.6#
264 133.1 50.2 75.2#





#70

Phenanthrene

Concen: 22.78 ng

RT: 11.39 min Scan# 814

Delta R.T. 0.01 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

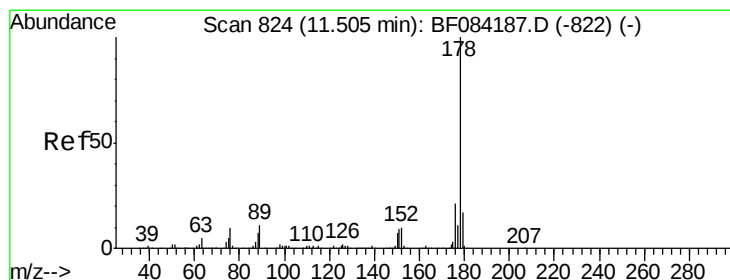
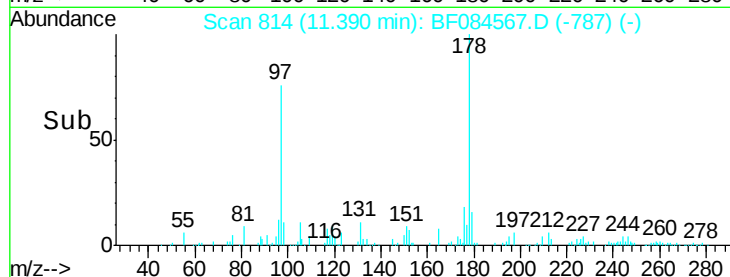
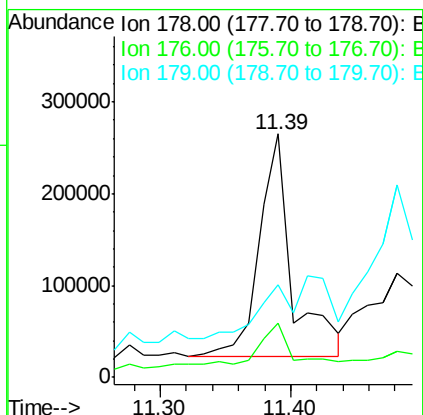
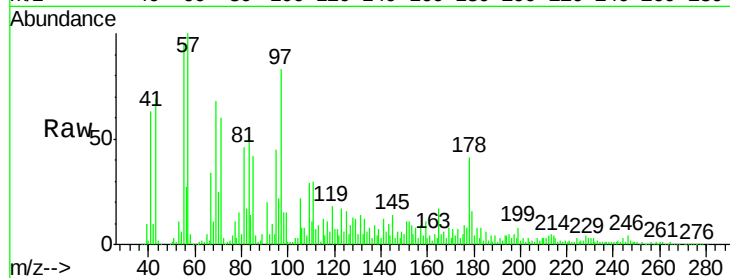
Tgt Ion:178 Resp: 428831

Ion Ratio Lower Upper

178 100

176 22.0 15.3 22.9

179 38.1 12.0 18.0#



#71

Anthracene

Concen: 10.40 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.05 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

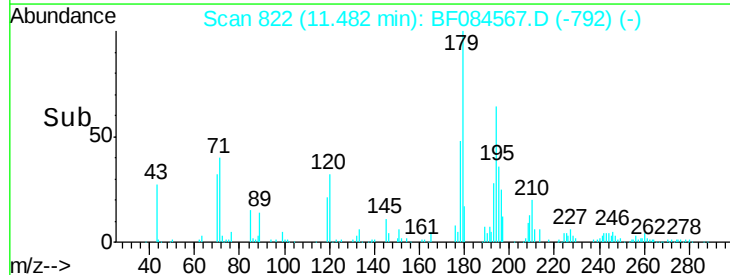
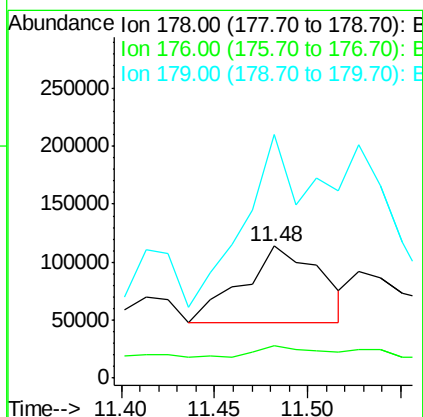
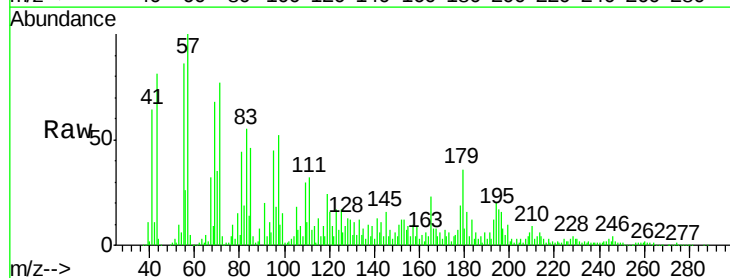
Tgt Ion:178 Resp: 191919

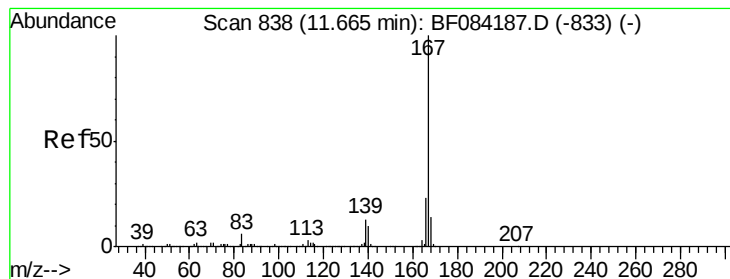
Ion Ratio Lower Upper

178 100

176 24.4 15.4 23.0#

179 184.5 12.5 18.7#





#72

Carbazole

Concen: 2.11 ng

RT: 11.64 min Scan# 836

Delta R.T. 0.05 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampled :

A5-4RE

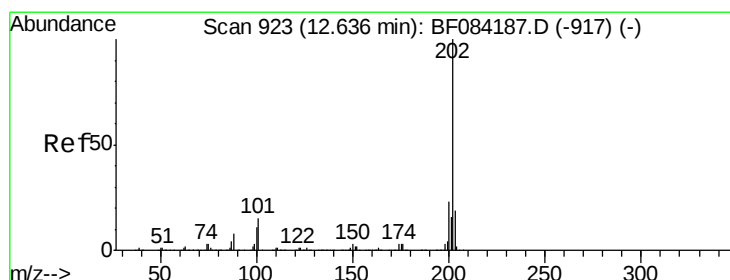
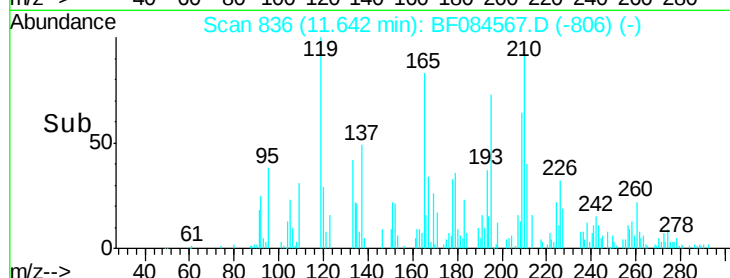
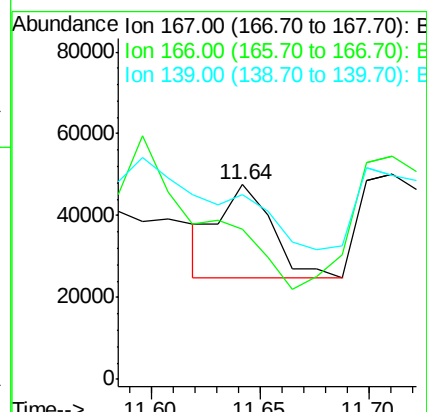
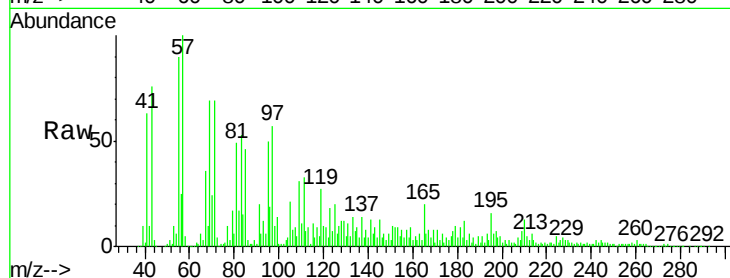
Tgt Ion:167 Resp: 38023

Ion Ratio Lower Upper

167 100

166 77.2 17.6 26.4#

139 94.5 11.8 17.8#



#74

Fluoranthene

Concen: 18.75 ng

RT: 12.78 min Scan# 936

Delta R.T. 0.22 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

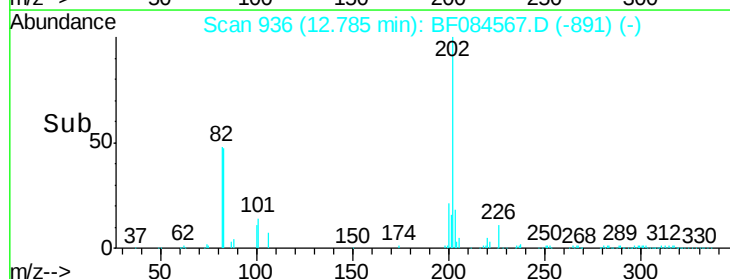
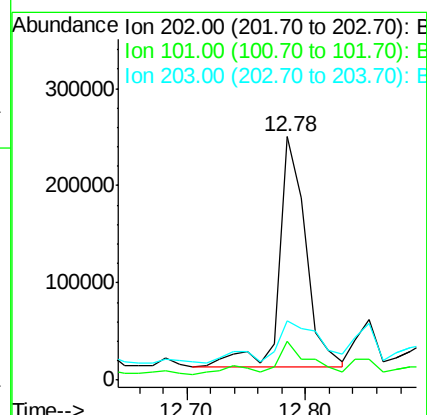
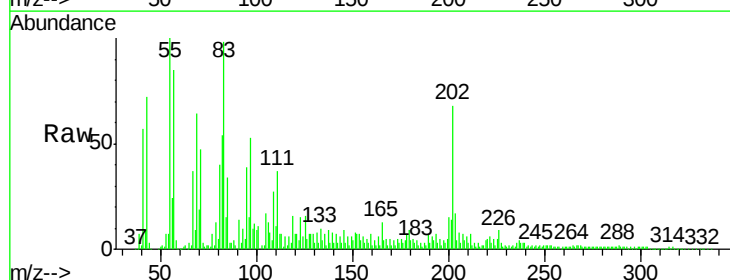
Tgt Ion:202 Resp: 368609

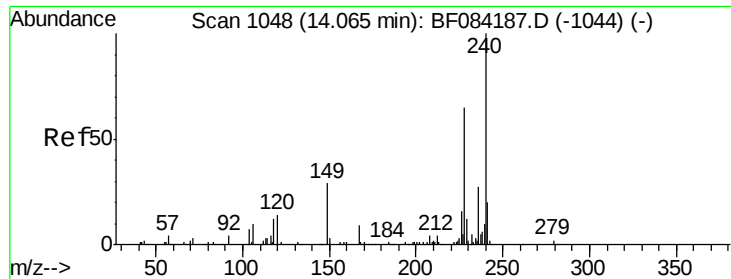
Ion Ratio Lower Upper

202 100

101 15.8 0.0 32.8

203 24.6 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.03 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

Instrument :

BNA_F

ClientSampleId :

A5-4RE

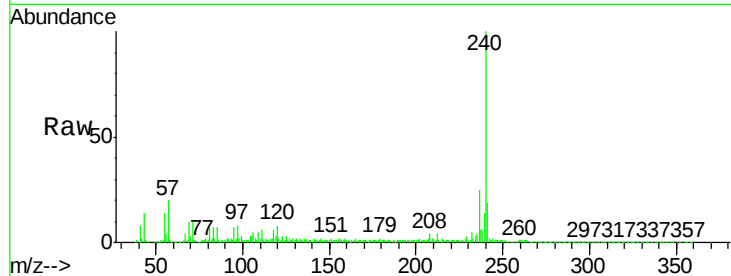
Tgt Ion:240 Resp: 446141

Ion Ratio Lower Upper

240 100

120 8.1 9.5 14.3#

236 24.9 20.6 31.0

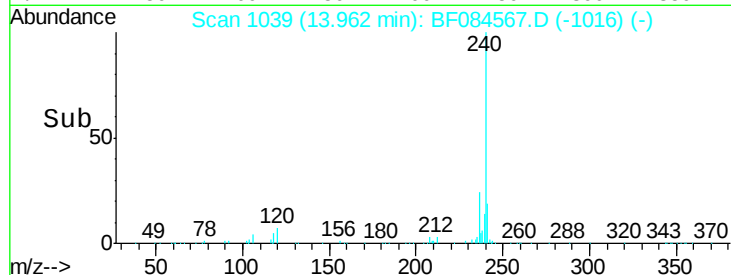


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



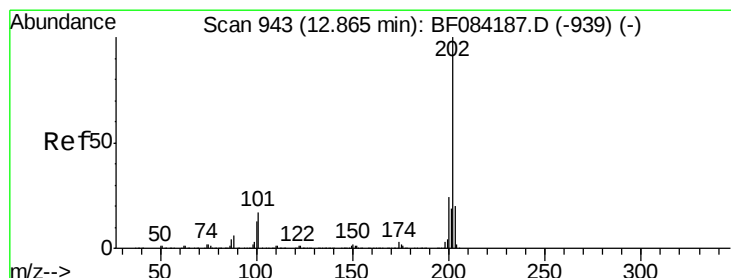
Abundance

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

Time-->



#77

Pyrene

Concen: 10.53 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084567.D

Acq: 20 Jan 2016 13:45

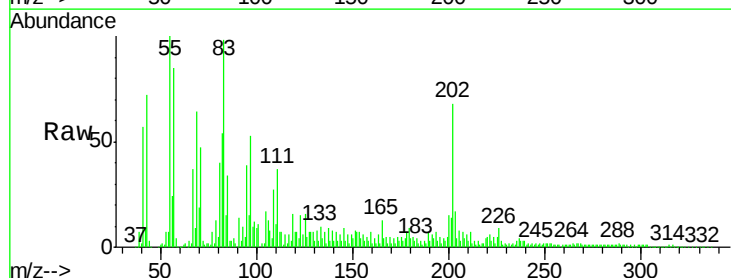
Tgt Ion:202 Resp: 368609

Ion Ratio Lower Upper

202 100

200 22.4 17.2 25.8

203 24.6 14.3 21.5#

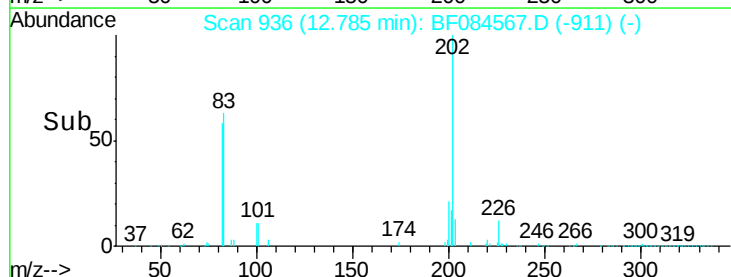


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



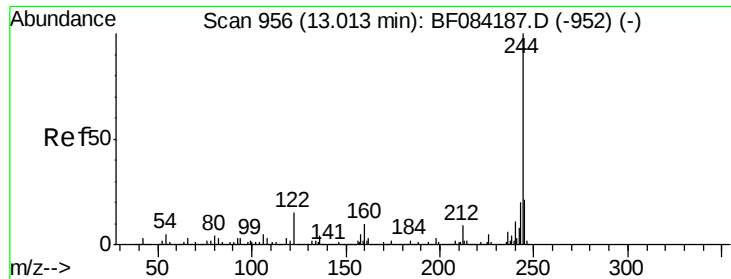
Abundance

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

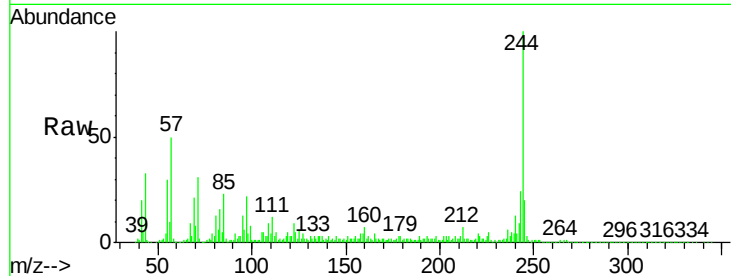
Time-->



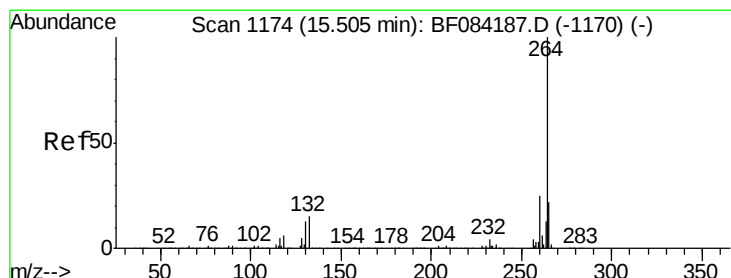
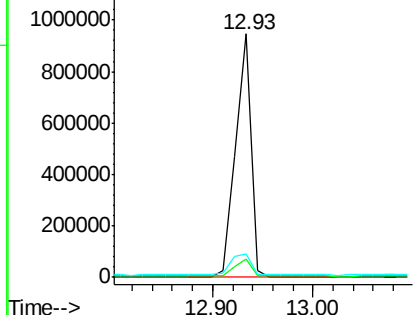
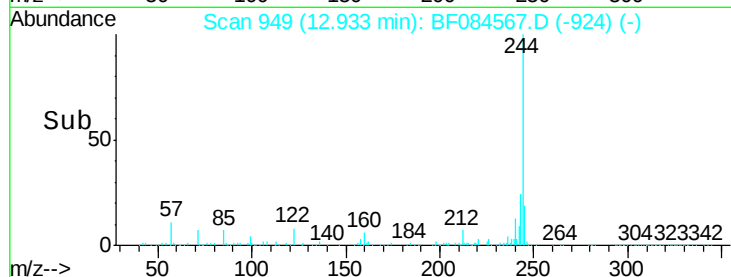
#78
 Terphenyl-d14
 Concen: 50.15 ng
 RT: 12.93 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: BF084567.D
 Acq: 20 Jan 2016 13:45

Instrument :
 BNA_F
 ClientSampleId :
 A5-4RE

Tgt Ion:244 Resp: 1002262
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 9.4 7.4 11.0

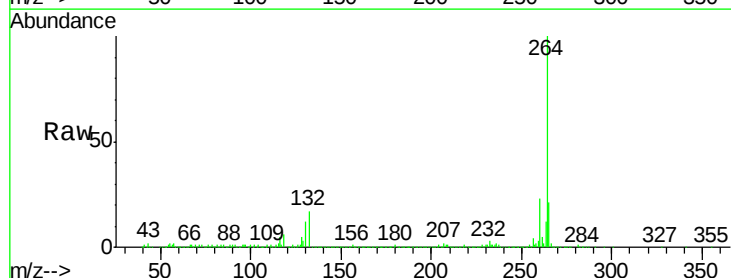


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. -0.06 min
 Lab File: BF084567.D
 Acq: 20 Jan 2016 13:45

Tgt Ion:264 Resp: 437864
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.4 29.2
 265 21.1 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

