

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090815\
 Data File : BF081550.D
 Acq On : 9 Sep 2015 7:15
 Operator : UM/IZ
 Sample : G3519-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 09 07:40:23 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 08 15:49:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	54805	20.00	ng	0.01
21) Naphthalene-d8	7.63	136	175569	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	74324	20.00	ng	0.00
63) Phenanthrene-d10	10.87	188	119787	20.00	ng	0.02
75) Chrysene-d12	13.50	240	123669	20.00	ng	0.05
86) Perylene-d12	14.80	264	94610	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	4.89	112	434817	123.10	ng	0.01
7) Phenol-d6	6.02	99	549332	117.49	ng	0.00
23) Nitrobenzene-d5	6.92	82	313846	86.25	ng	0.00
41) 2,4,6-Tribromophenol	10.18	330	76688	115.88	ng	0.02
44) 2-Fluorobiphenyl	8.73	172	470471	81.12	ng	0.01
78) Terphenyl-d14	12.47	244	354562	66.74	ng	0.05

Target Compounds

						Qvalue
3) Pyridine	2.20	79	16677	3.81	ng	# 25
9) Benzaldehyde	5.88	77	11665	3.98	ng	# 1
12) 1,3-Dichlorobenzene	6.28	146	89490	21.52	ng	# 90
13) 1,4-Dichlorobenzene	6.38	146	519744	122.74	ng	# 94
14) 1,2-Dichlorobenzene	6.38	146	519744	136.32	ng	# 98
15) Benzyl Alcohol	6.50	79	8147	2.12	ng	# 32
18) Hexachloroethane	6.83	117	4753	2.89	ng	# 1
22) Acetophenone	6.78	105	10968	2.29	ng	# 57
25) Isophorone	7.28	82	25532	3.77	ng	# 37
30) 1,2,4-Trichlorobenzene	7.59	180	27282	10.18	ng	# 95
31) Naphthalene	7.66	128	64116	6.85	ng	# 97
32) Benzoic acid	7.44	122	2515	3.71	ng	# 1
33) 4-Chloroaniline	7.66	127	10763	2.82	ng	# 47
35) Caprolactam	8.10	113	26122	34.53	ng	# 1
37) 2-Methylnaphthalene	8.35	142	18539	3.04	ng	# 59
48) Acenaphthylene	9.24	152	150766	17.21	ng	# 91
49) Dimethylphthalate	9.13	163	81393	14.09	ng	# 97
50) 2,6-Dinitrotoluene	9.44	165	2915	2.22	ng	# 92
51) Acenaphthene	9.42	154	81036	16.26	ng	# 88
52) 3-Nitroaniline	9.34	138	8263	5.54	ng	# 47
53) 2,4-Dinitrophenol	9.59	184	3270	5.92	ng	# 1
54) Dibenzofuran	9.38	168	20752	2.85	ng	# 93
55) 4-Nitrophenol	9.59	139	22446	23.95	ng	# 23
56) 2,4-Dinitrotoluene	9.60	165	10633	6.37	ng	# 56
57) Fluorene	9.93	166	92480	16.75	ng	# 87
61) 4-Nitroaniline	10.02	138	5867	3.89	ng	# 1
65) n-Nitrosodiphenylamine	10.06	169	42856	9.83	ng	# 57
68) Atrazine	10.57	200	3446	2.73	ng	# 1
69) Pentachlorophenol	10.67	266	548	9.54	ng	# 1
70) Phenanthrene	10.90	178	381367	57.27	ng	# 93
71) Anthracene	10.95	178	103219	15.09	ng	# 78
72) Carbazole	11.11	167	30128	4.69	ng	# 1
73) Di-n-butylphthalate	11.43	149	31277	4.13	ng	# 39
74) Fluoranthene	12.10	202	629607	87.33	ng	# 86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

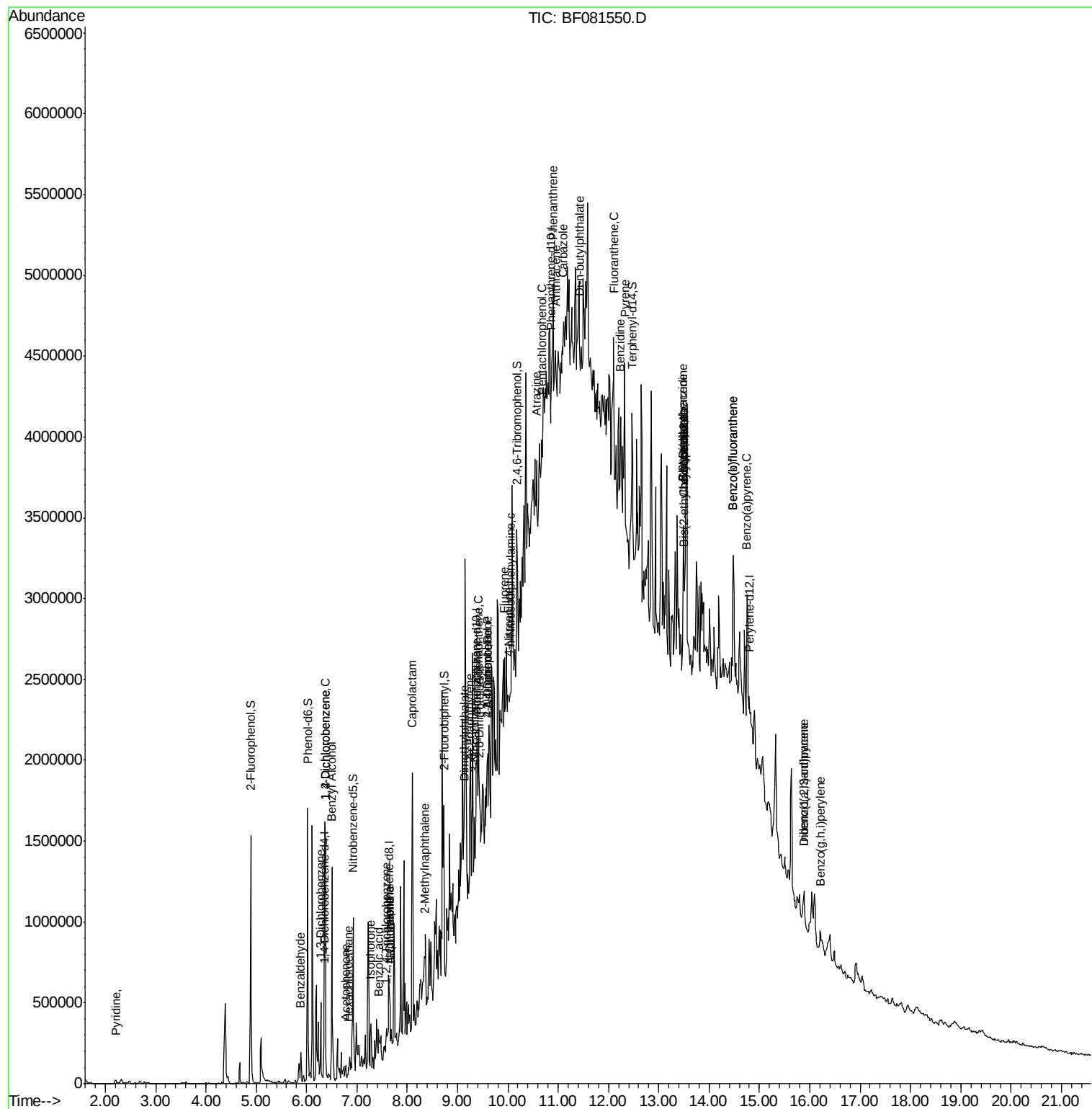
76) Benzidine	12.24	184	33286	6.27	ng	# 29
77) Pyrene	12.32	202	668022	72.92	ng	95
80) Benzo(a)anthracene	13.49	228	408379	51.85	ng	# 83
81) 3,3'-Dichlorobenzidine	13.49	252	6545	2.46	ng	# 16
82) Chrysene	13.49	228	408379	57.85	ng	# 85
83) Bis(2-ethylhexyl)phthalate	13.51	149	24832	4.72	ng	93
85) Indeno(1,2,3-cd)pyrene	15.89	276	97383	18.80	ng	# 80
87) Benzo(b)fluoranthene	14.48	252	423932	62.76	ng	97
88) Benzo(k)fluoranthene	14.48	252	423932	75.64	ng	95
89) Benzo(a)pyrene	14.75	252	185121	32.34	ng	# 88
90) Dibenzo(a,h)anthracene	15.89	278	34427	7.78	ng	# 84
91) Benzo(a,h,i)perylene	16.21	276	90968	21.55	ng	# 78

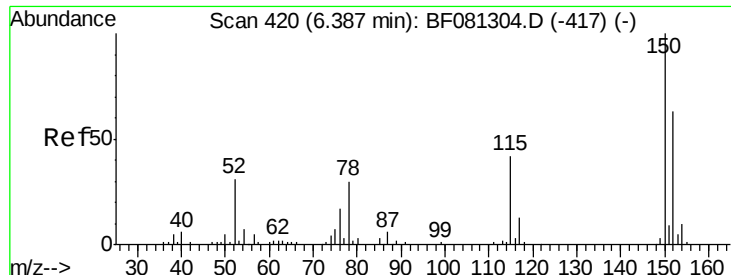
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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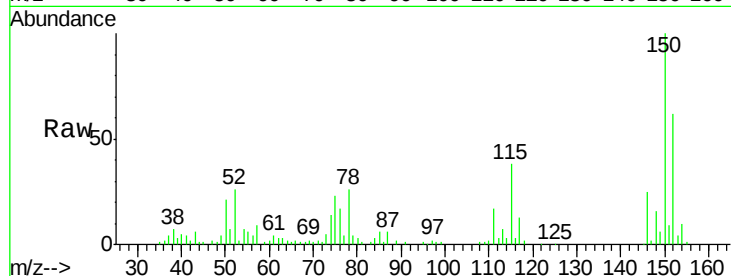


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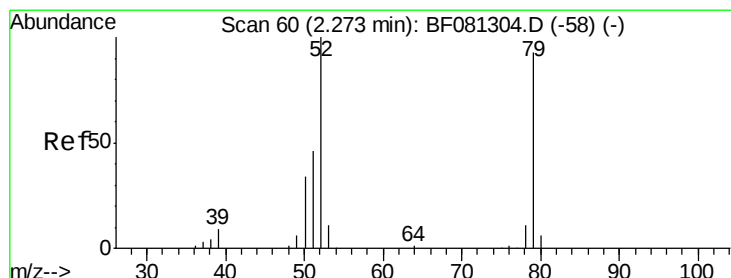
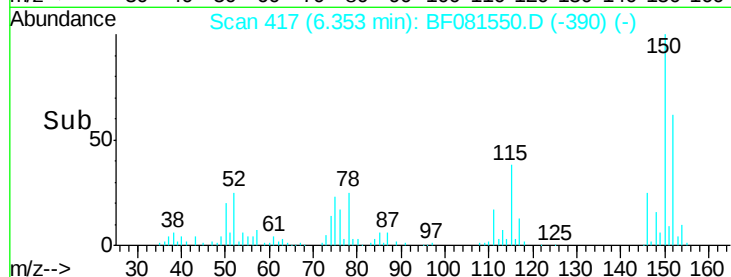
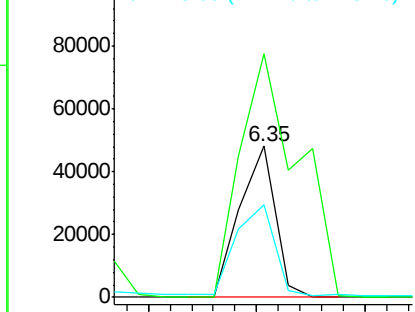
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.35 min Scan# 417
Delta R.T. 0.01 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 54805
Ion Ratio Lower Upper
152 100
150 160.8 124.7 187.1
115 60.9 39.0 58.4#



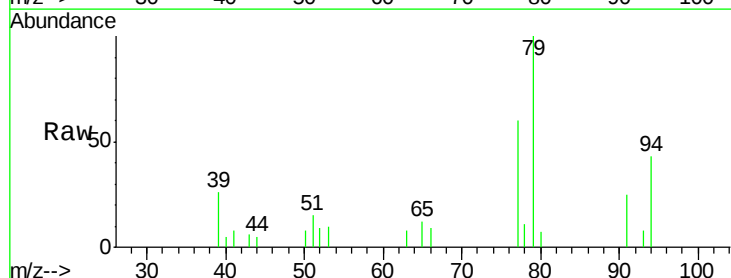
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



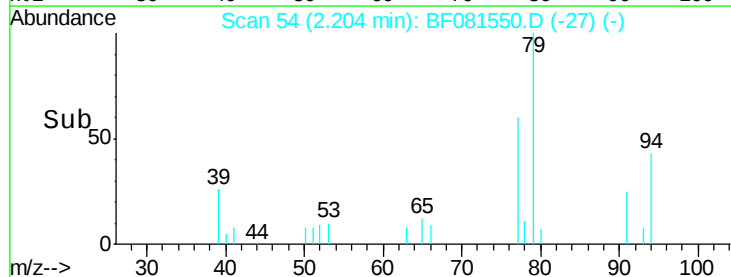
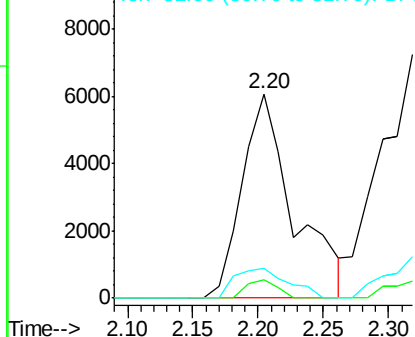
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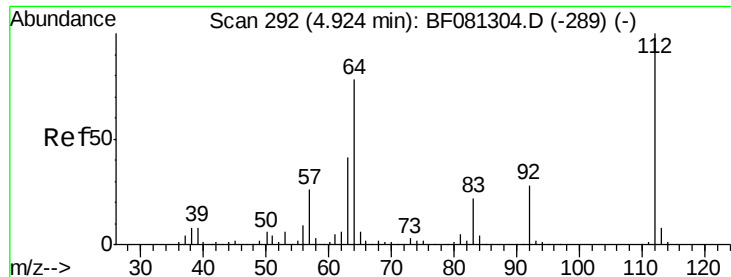
Pyridine
Concen: 3.81 ng
RT: 2.20 min Scan# 54
Delta R.T. 0.01 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Tgt Ion: 79 Resp: 16677
Ion Ratio Lower Upper
79 100
52 9.2 76.8 115.2#
51 14.8 32.2 48.4#



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





#5

2-Fluorophenol

Concen: 123.10 ng

RT: 4.89 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampled :

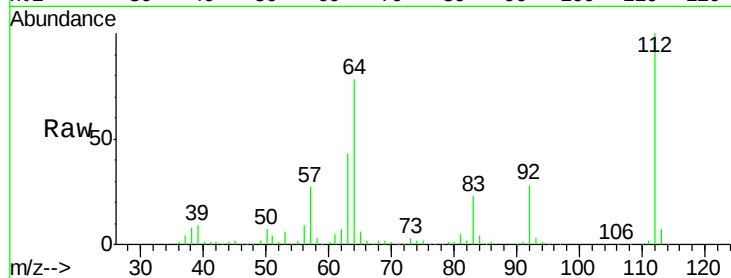
Tot Ion:112 Resp: 434817

Ion Ratio Lower Upper

112 100

64 78.5 39.7 59.5#

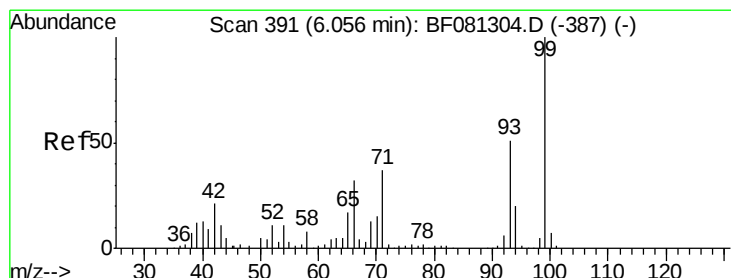
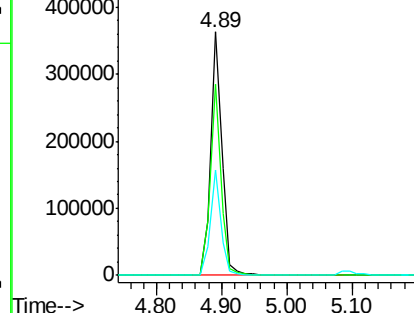
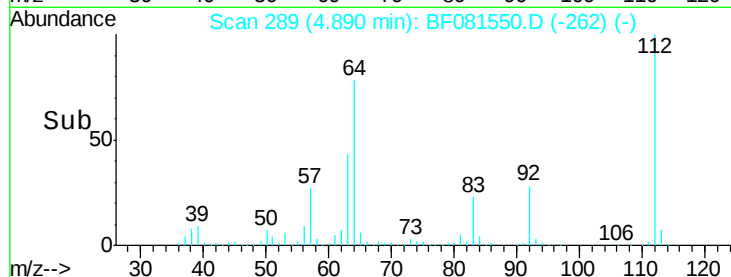
63 43.2 17.4 26.0#



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: 117.49 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

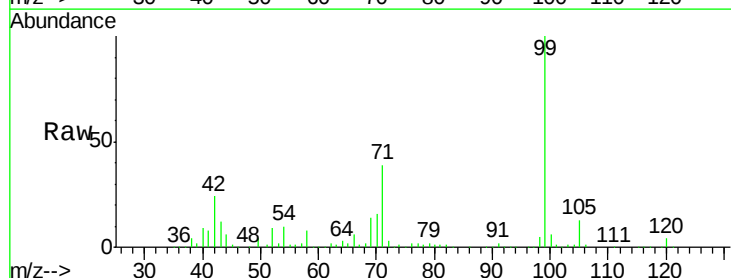
Tgt Ion: 99 Resp: 549332

Ion Ratio Lower Upper

99 100

42 23.8 13.7 20.5#

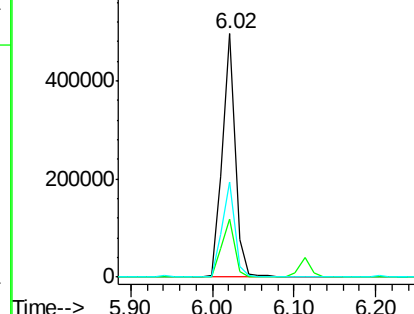
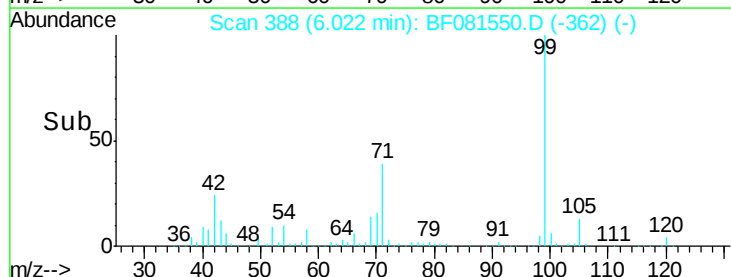
71 39.0 14.2 21.2#

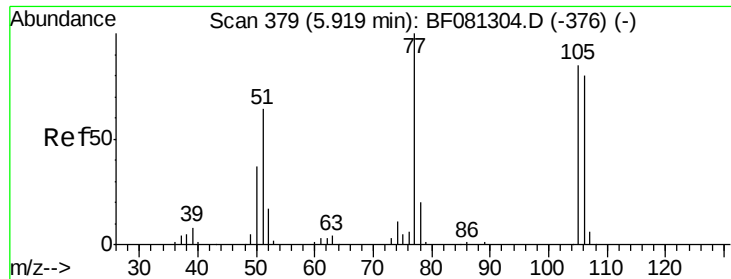


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

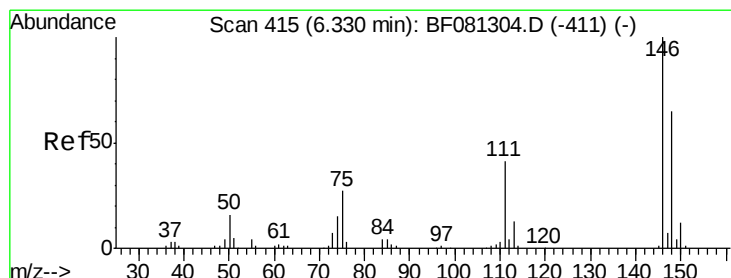
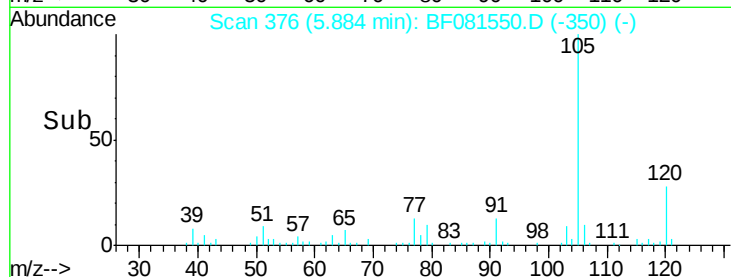
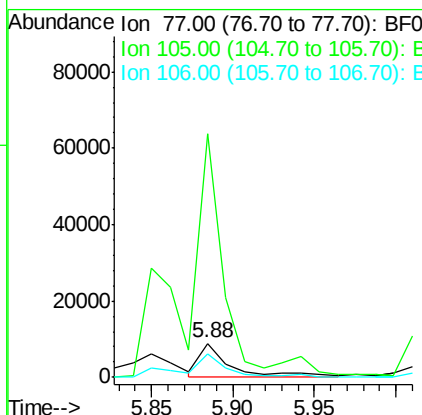
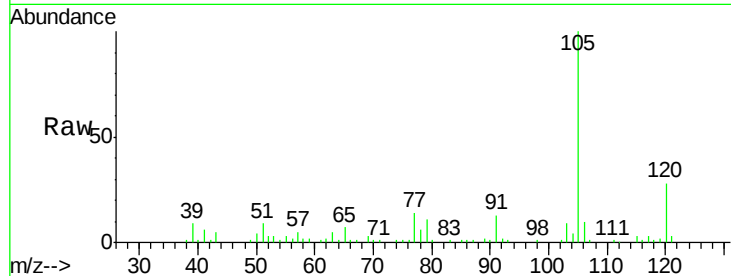




#9
Benzaldehyde
Concen: 3.98 ng
RT: 5.88 min Scan# 376
Delta R.T. 0.00 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

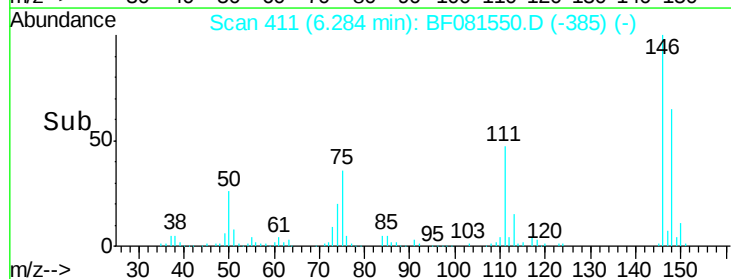
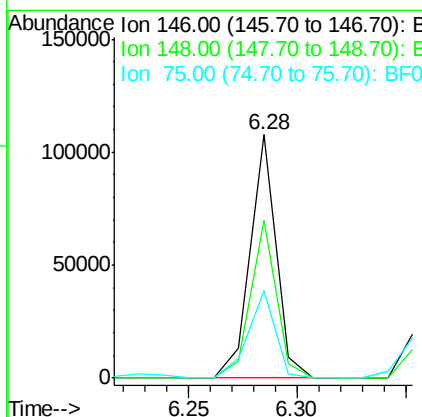
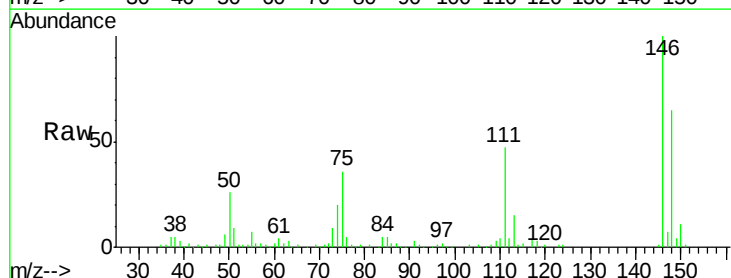
Instrument :
BNA_F
ClientSampleId :

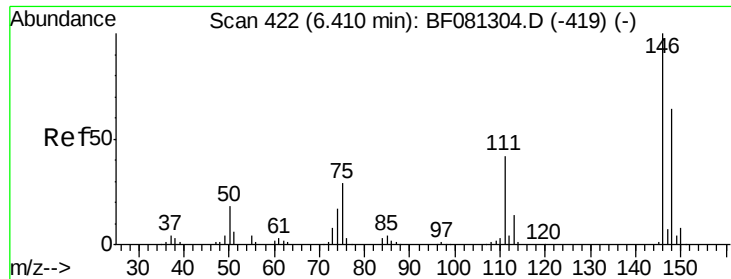
Tot Ion: 77 Resp: 11665
Ion Ratio Lower Upper
77 100
105 715.2 91.6 131.6#
106 69.2 102.6 142.6#



#12
1,3-Dichlorobenzene
Concen: 21.52 ng
RT: 6.28 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Tgt Ion: 146 Resp: 89490
Ion Ratio Lower Upper
146 100
148 65.0 51.0 76.4
75 36.1 15.0 22.6#

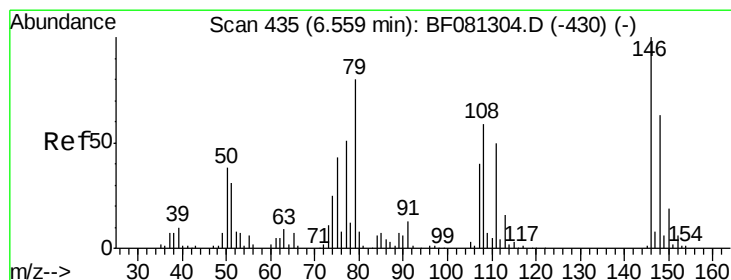
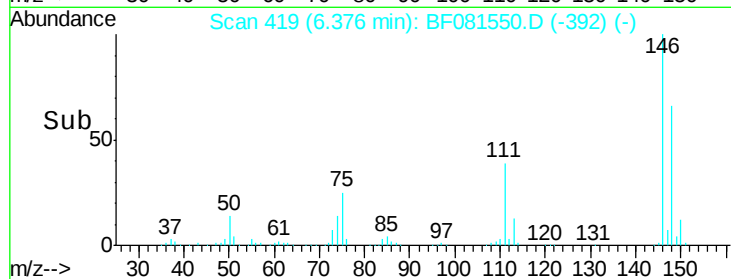
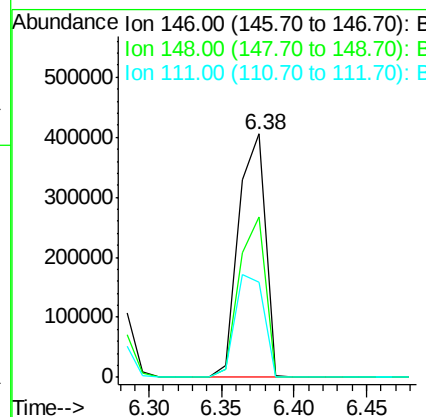
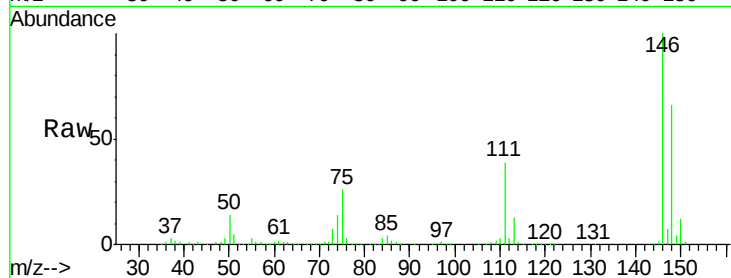




#13
 1,4-Dichlorobenzene
 Concen: 122.74 ng
 RT: 6.38 min Scan# 419
 Delta R.T. 0.01 min
 Lab File: BF081550.D
 Acq: 9 Sep 2015 7:15

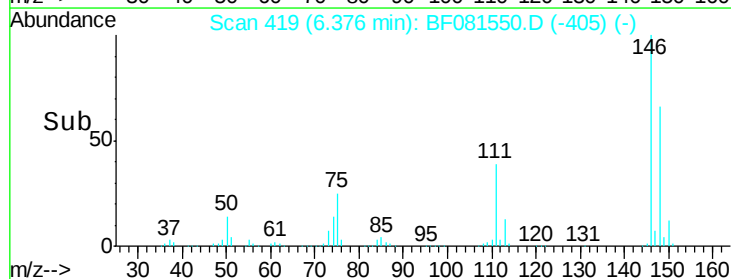
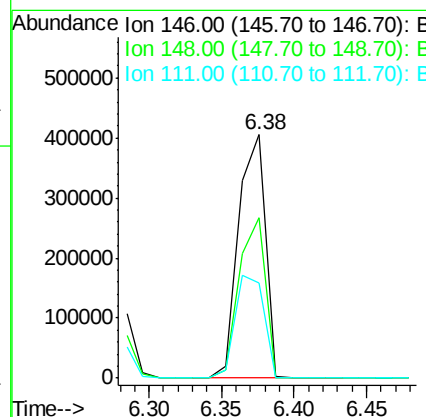
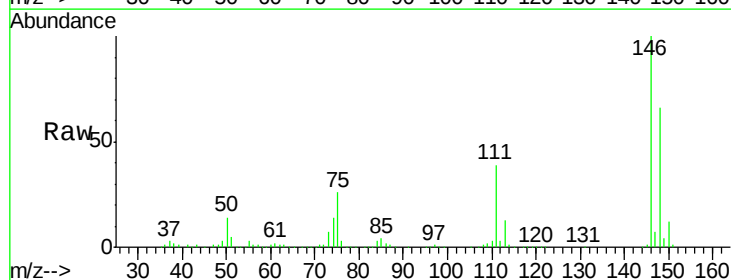
Instrument :
 BNA_F
 ClientSampleId :

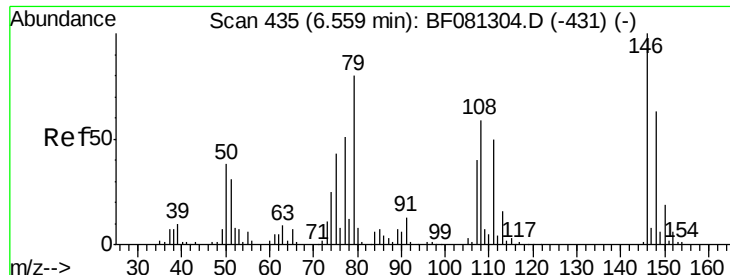
Tot Ion:146 Resp: 519744
 Ion Ratio Lower Upper
 146 100
 148 65.9 51.8 77.6
 111 39.1 24.9 37.3#



#14
 1,2-Dichlorobenzene
 Concen: 136.32 ng
 RT: 6.38 min Scan# 419
 Delta R.T. -0.14 min
 Lab File: BF081550.D
 Acq: 9 Sep 2015 7:15

Tgt Ion:146 Resp: 519744
 Ion Ratio Lower Upper
 146 100
 148 65.9 52.7 79.1
 111 39.1 28.8 43.2

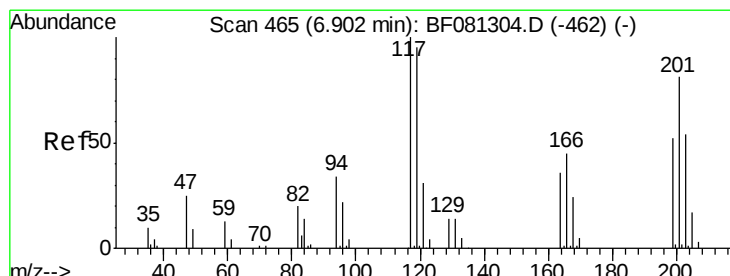
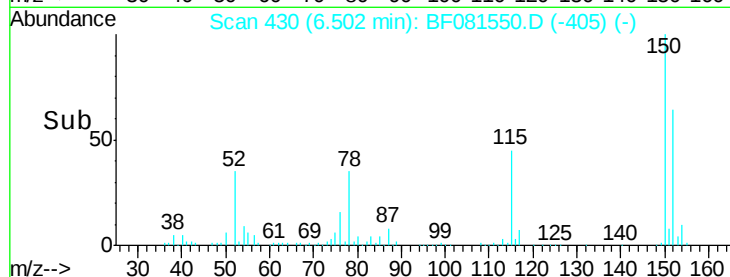
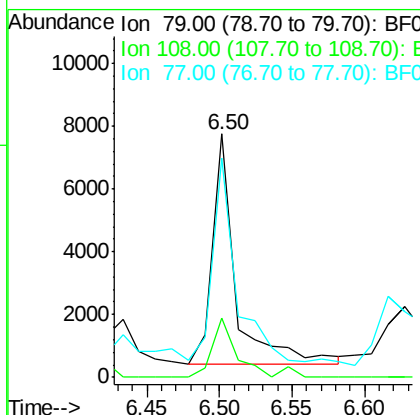
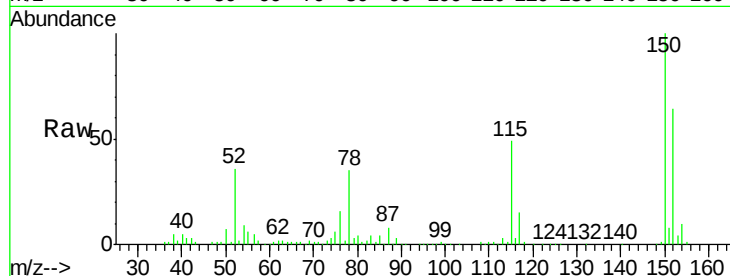




#15
Benzyl Alcohol
Concen: 2.12 ng
RT: 6.50 min Scan# 430
Delta R.T. -0.01 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

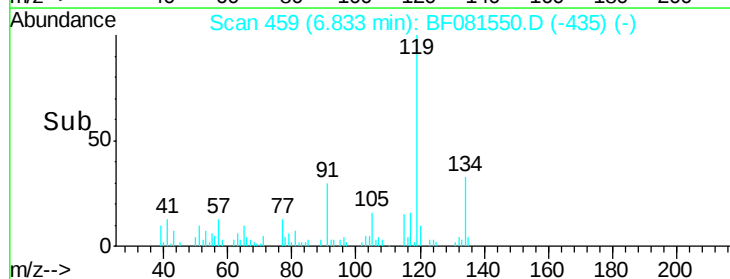
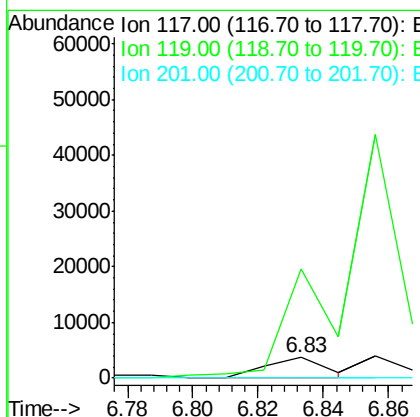
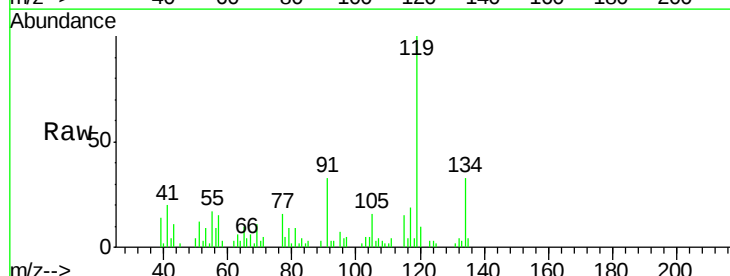
Instrument :
BNA_F
ClientSampleID :

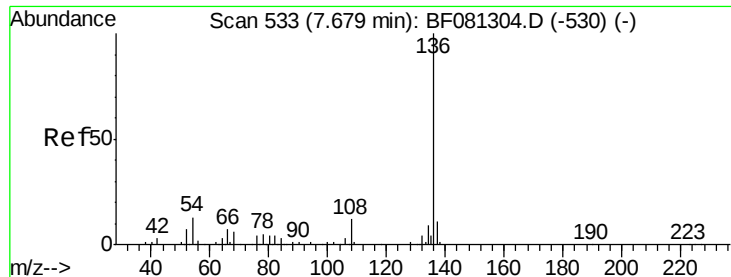
Tot Ion: 79 Resp: 8147
Ion Ratio Lower Upper
79 100
108 24.2 88.6 132.8#
77 90.3 47.0 70.4#



#18
Hexachloroethane
Concen: 2.89 ng
RT: 6.83 min Scan# 459
Delta R.T. -0.02 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Tgt Ion: 117 Resp: 4753
Ion Ratio Lower Upper
117 100
119 532.1 83.8 125.6#
201 0.0 55.1 82.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 175569

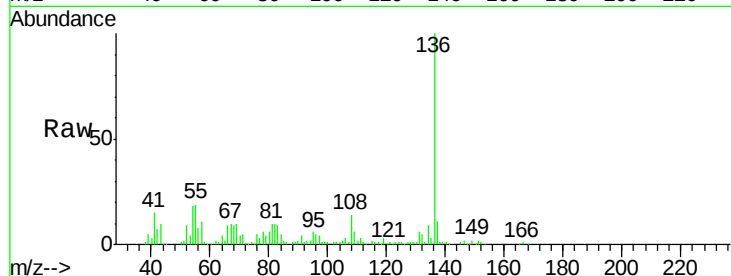
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 18.2 8.2 12.2#

68 8.8 5.8 8.6#

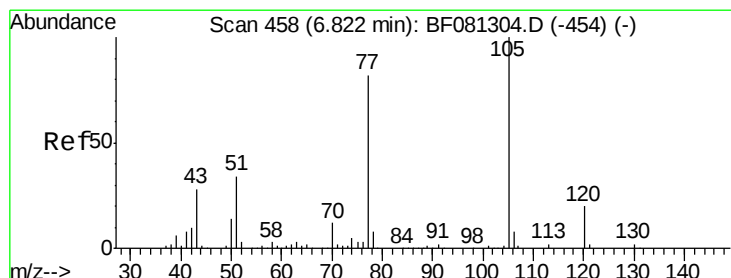
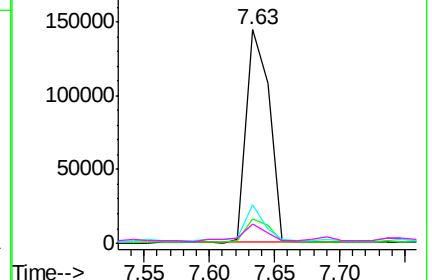
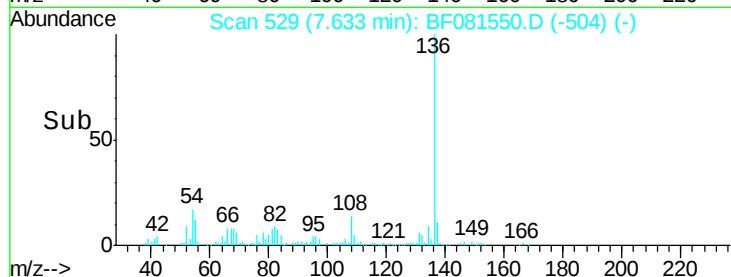


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 2.29 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Tgt Ion:105 Resp: 10968

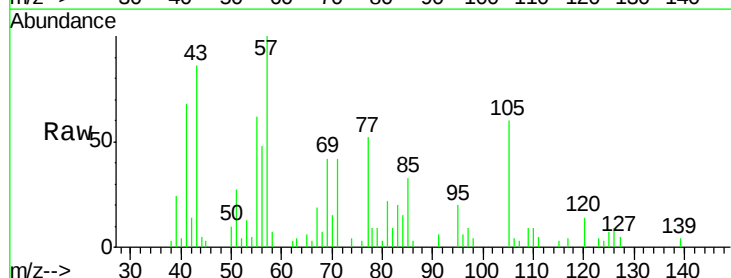
Ion Ratio Lower Upper

105 100

71 71.1 4.7 7.1#

51 45.7 22.0 33.0#

120 22.8 30.1 45.1#

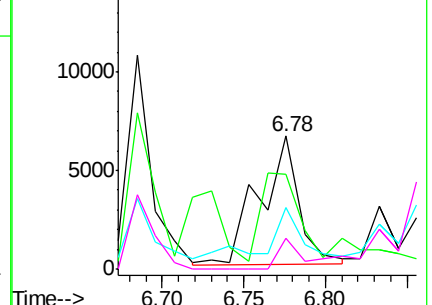
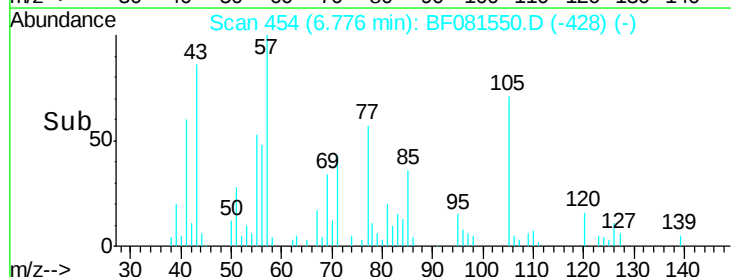


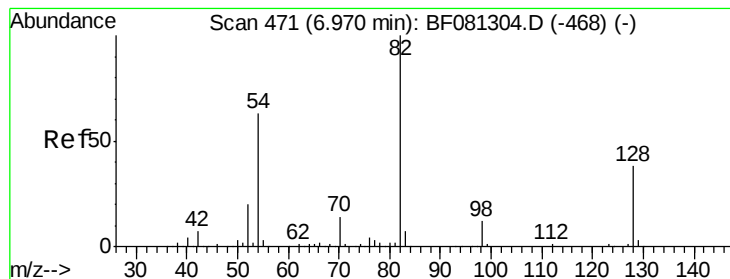
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 86.25 ng

RT: 6.92 min Scan# 467

Delta R.T. -0.00 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampleId :

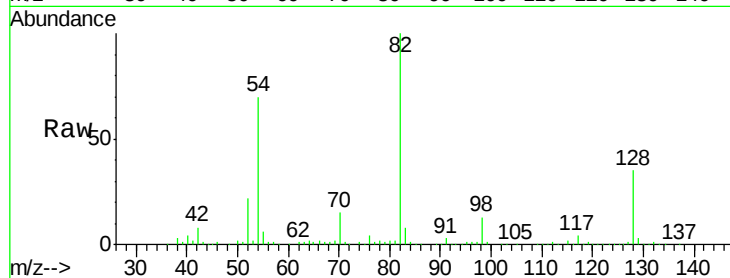
Tot Ion: 82 Resp: 313846

Ion Ratio Lower Upper

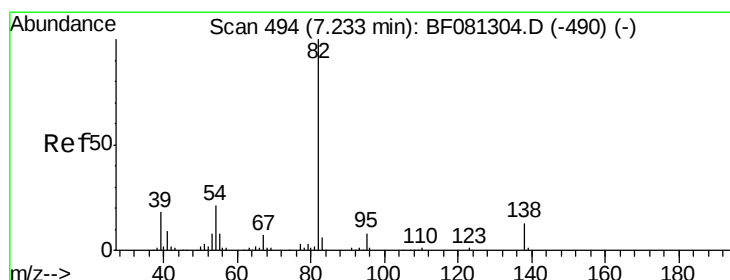
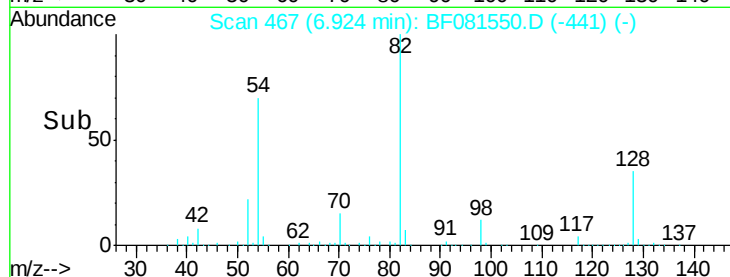
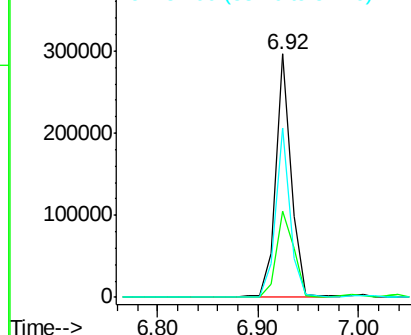
82 100

128 35.1 51.0 76.6#

54 69.8 47.5 71.3



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



#25

Isophorone

Concen: 3.77 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.08 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

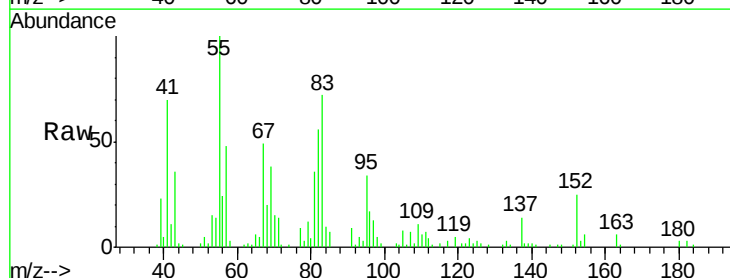
Tgt Ion: 82 Resp: 25532

Ion Ratio Lower Upper

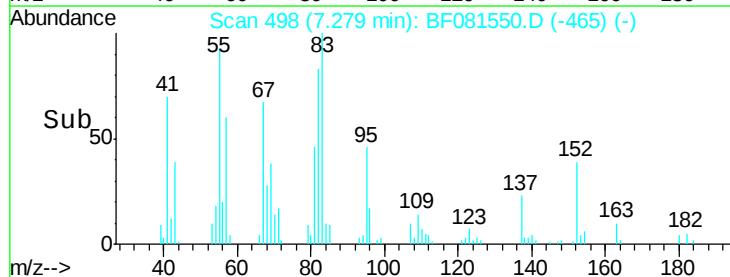
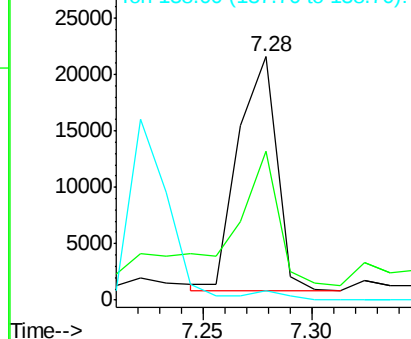
82 100

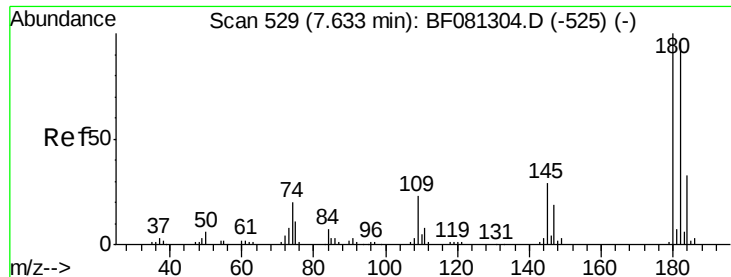
95 61.0 4.0 6.0#

138 3.9 18.3 27.5#



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

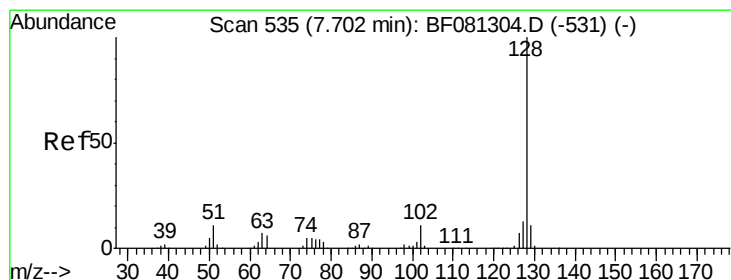
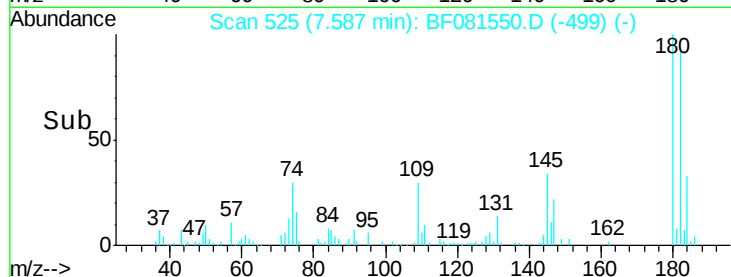
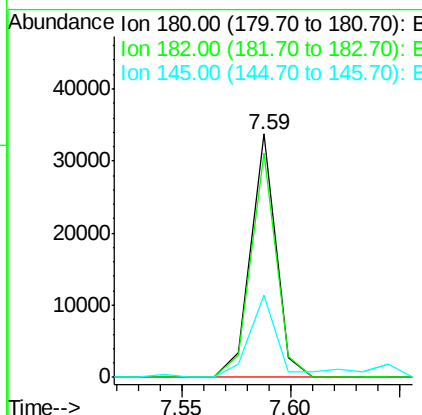
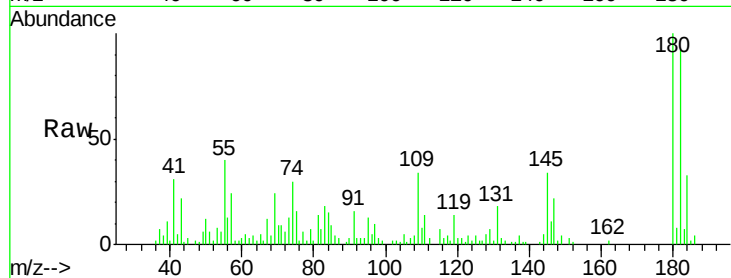




#30
1,2,4-Trichlorobenzene
Concen: 10.18 ng
RT: 7.59 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

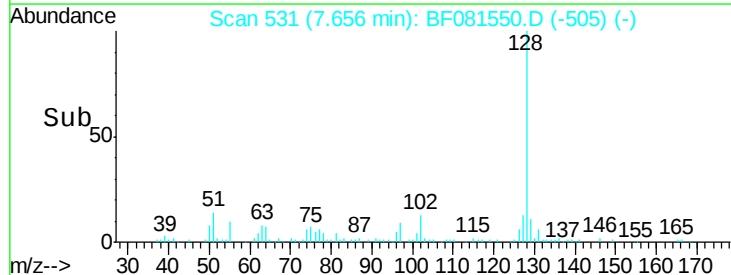
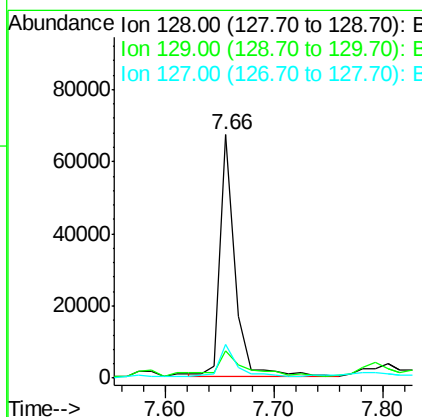
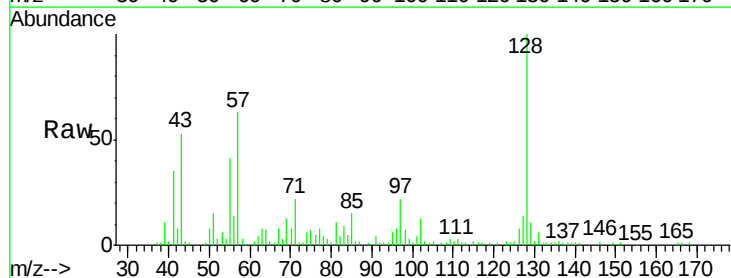
Instrument :
BNA_F
ClientSampleId :

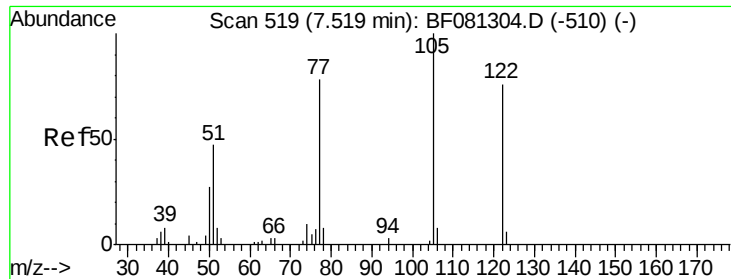
Tot Ion:180 Resp: 27282
Ion Ratio Lower Upper
180 100
182 92.0 77.1 115.7
145 33.7 23.3 34.9



#31
Naphthalene
Concen: 6.85 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Tgt Ion:128 Resp: 64116
Ion Ratio Lower Upper
128 100
129 11.4 8.4 12.6
127 13.7 9.9 14.9

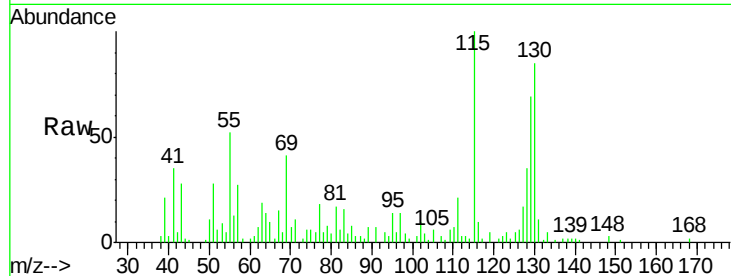




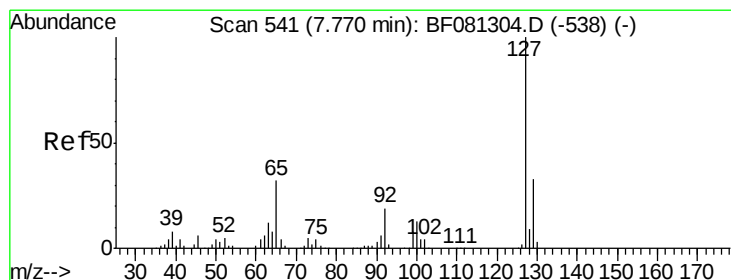
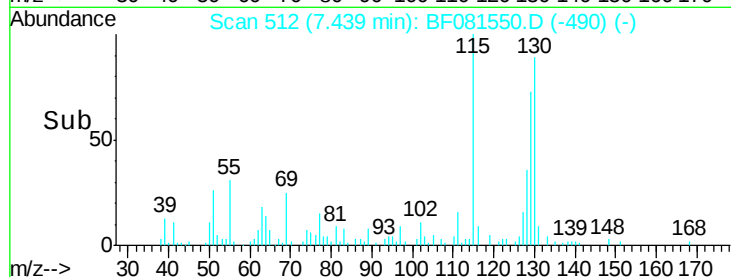
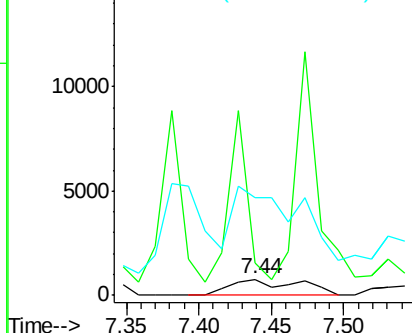
#32
Benzoic acid
Concen: 3.71 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.05 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 2515
Ion Ratio Lower Upper
122 100
105 201.3 76.1 116.1#
77 607.8 40.5 80.5#

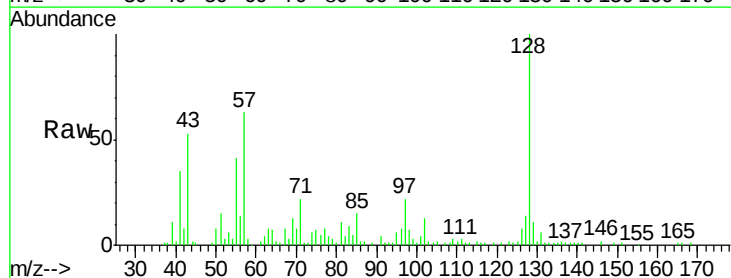


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

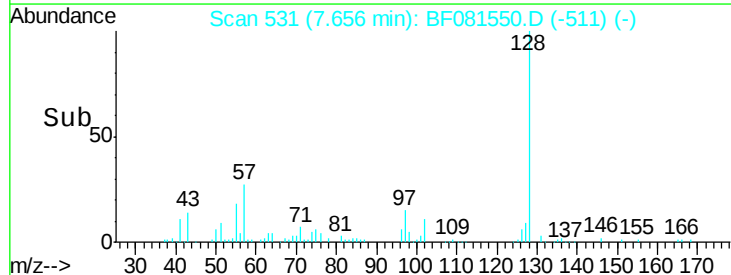
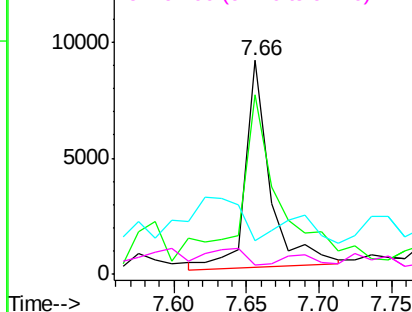


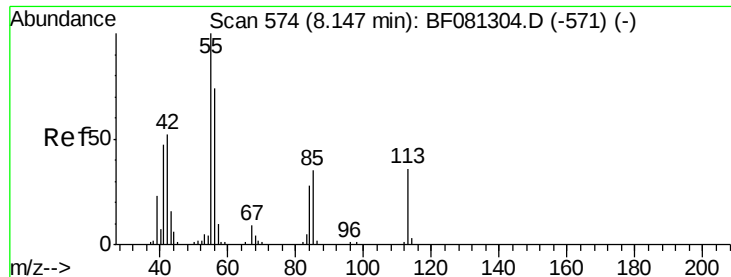
#33
4-Chloroaniline
Concen: 2.82 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.07 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Tgt Ion:127 Resp: 10763
Ion Ratio Lower Upper
127 100
129 83.7 25.8 38.6#
65 15.7 17.9 26.9#
92 4.0 10.5 15.7#



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





#35

Caprolactam

Concen: 34.53 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.01 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampleId :

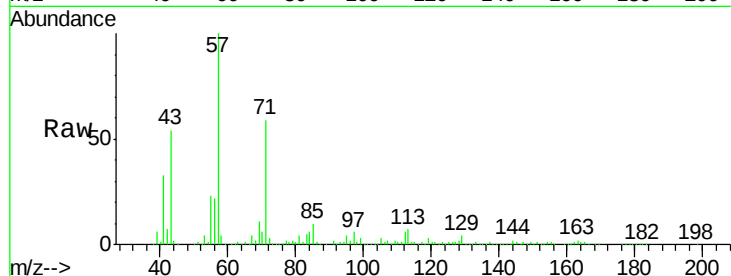
Tot Ion:113 Resp: 26122

Ion Ratio Lower Upper

113 100

55 344.6 152.4 192.4#

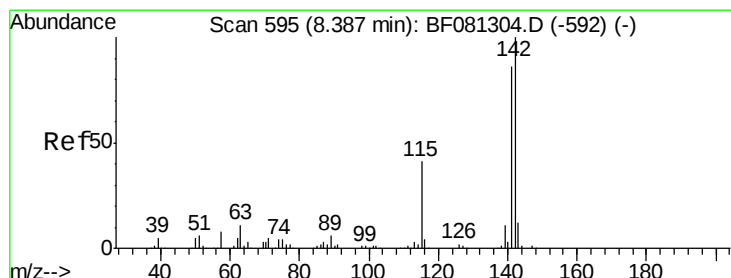
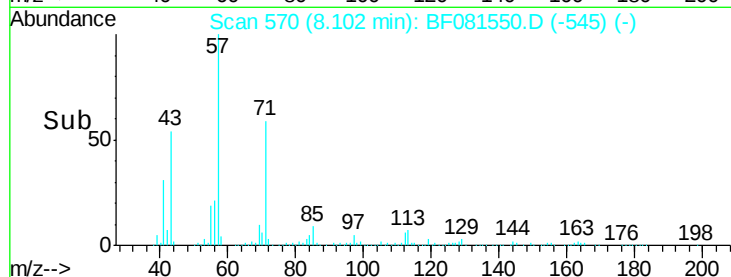
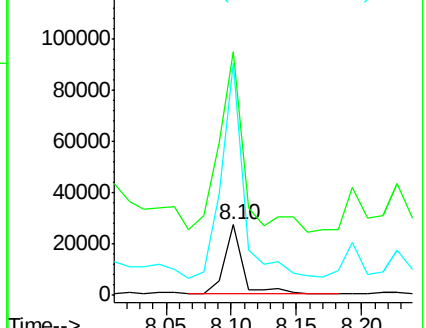
56 328.1 104.6 144.6#



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



#37

2-Methylnaphthalene

Concen: 3.04 ng

RT: 8.35 min Scan# 592

Delta R.T. 0.00 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

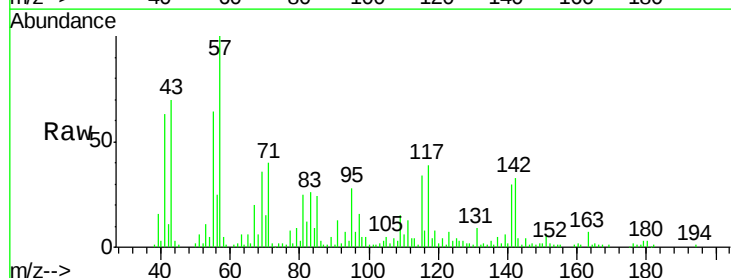
Tgt Ion:142 Resp: 18539

Ion Ratio Lower Upper

142 100

141 90.1 67.5 101.3

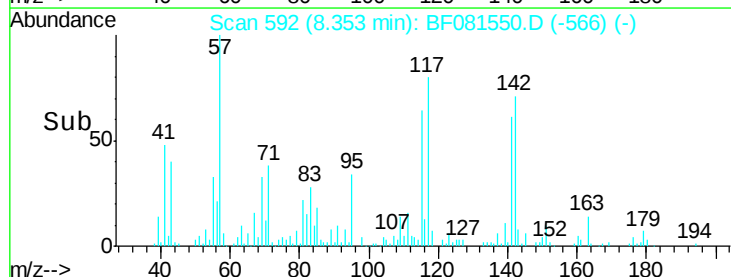
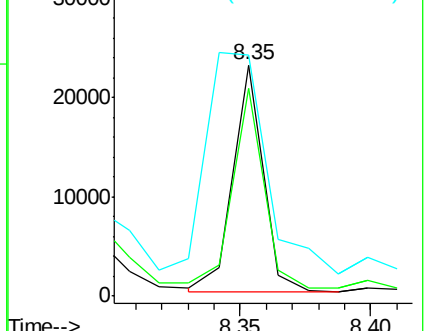
115 104.4 18.2 27.2#

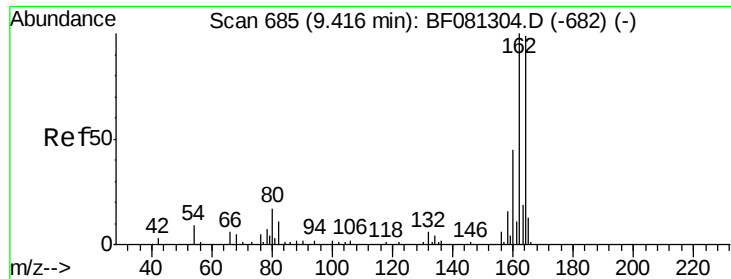


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

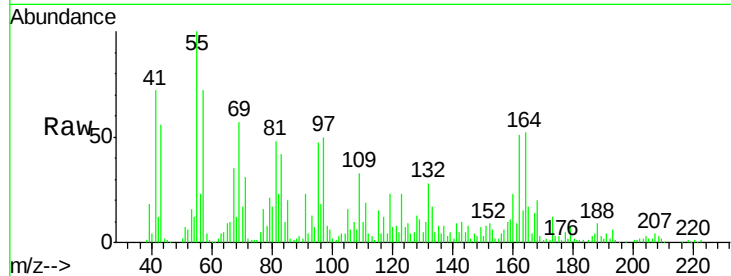




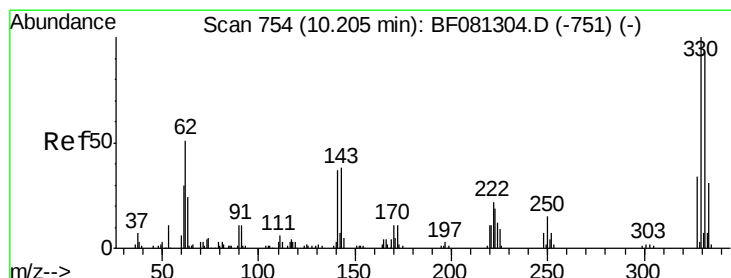
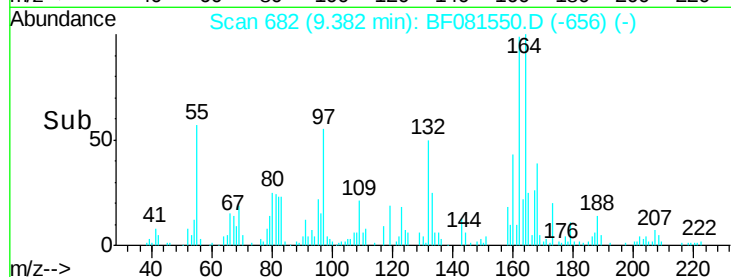
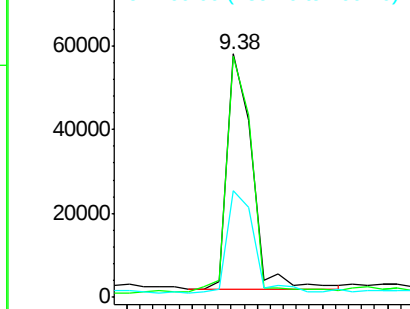
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 74324
Ion Ratio Lower Upper
164 100
162 98.8 75.2 112.8
160 43.7 31.5 47.3

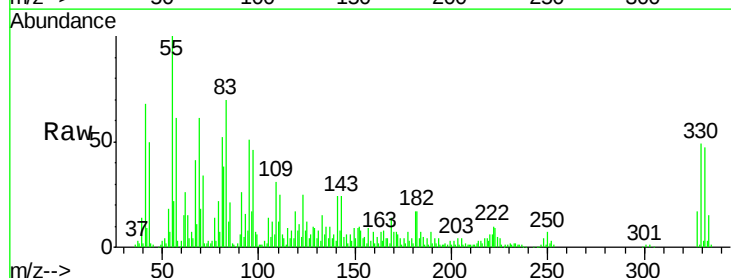


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

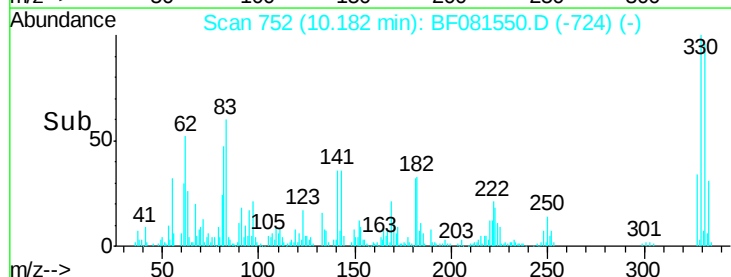
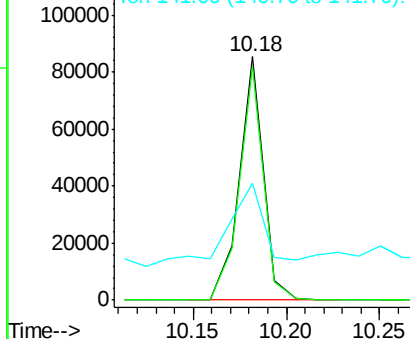


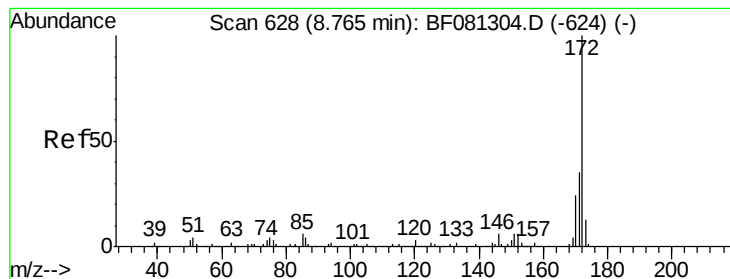
#41
2,4,6-Tribromophenol
Concen: 115.88 ng
RT: 10.18 min Scan# 752
Delta R.T. 0.02 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Tgt Ion:330 Resp: 76688
Ion Ratio Lower Upper
330 100
332 95.7 76.6 114.8
141 53.8 29.7 44.5#



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

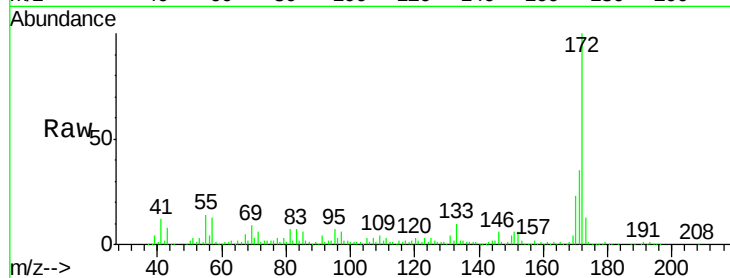




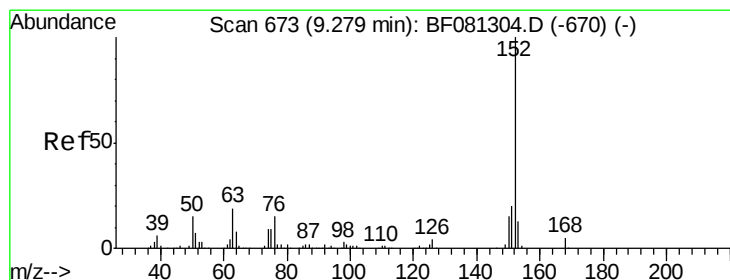
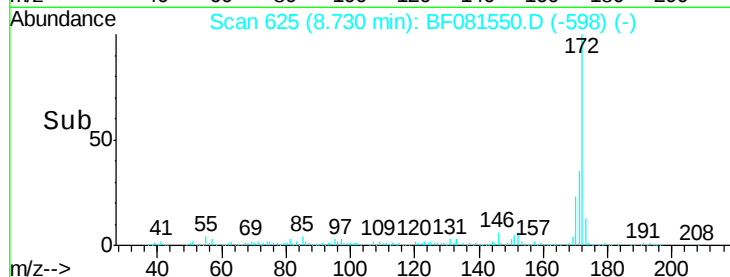
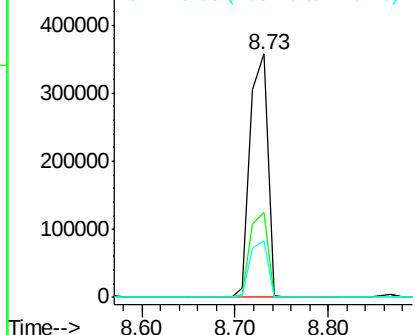
#44
2-Fluorobiphenyl
Concen: 81.12 ng
RT: 8.73 min Scan# 625
Delta R.T. 0.01 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 470471
Ion Ratio Lower Upper
172 100
171 34.9 26.1 39.1
170 23.4 17.4 26.2

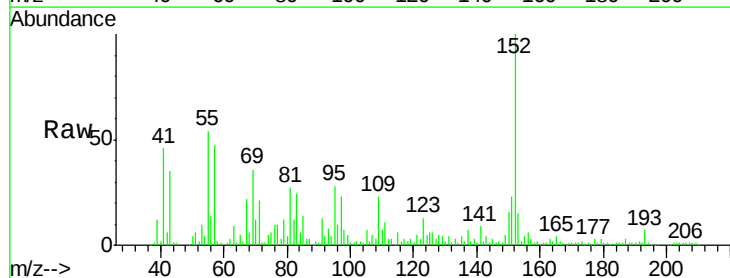


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

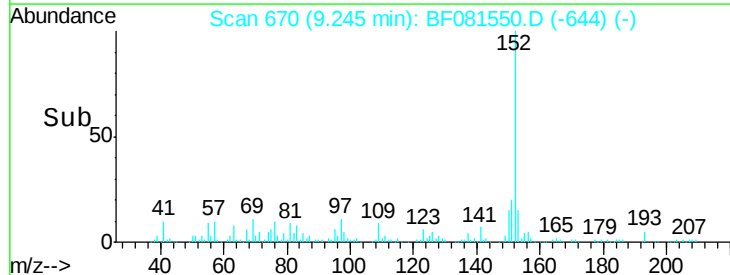
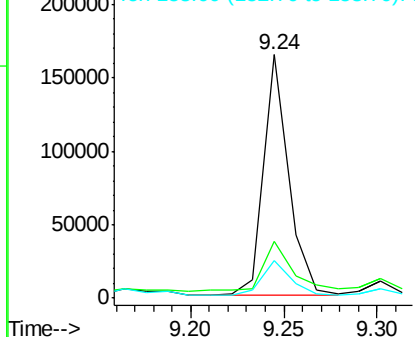


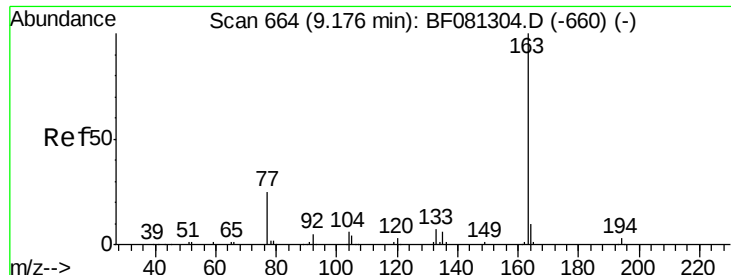
#48
Acenaphthylene
Concen: 17.21 ng
RT: 9.24 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Tgt Ion:152 Resp: 150766
Ion Ratio Lower Upper
152 100
151 23.4 14.6 22.0#
153 15.4 10.3 15.5



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

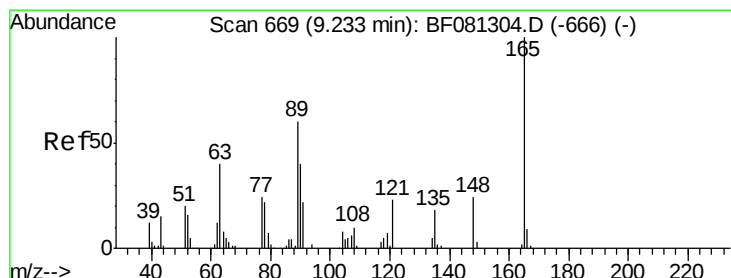
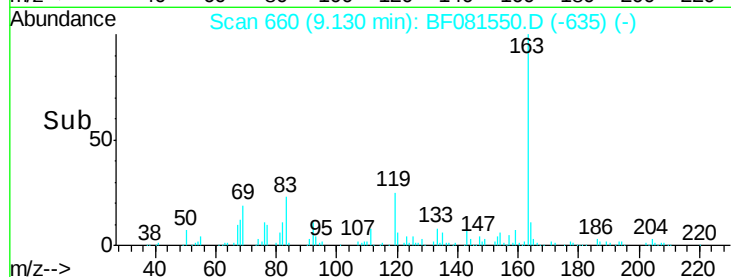
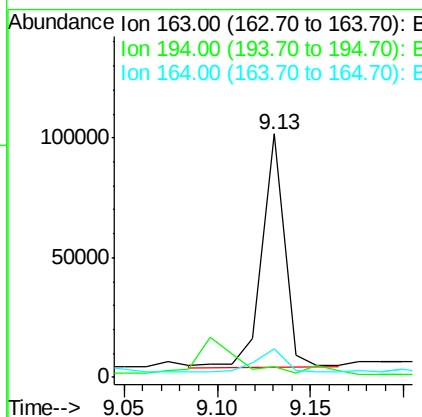
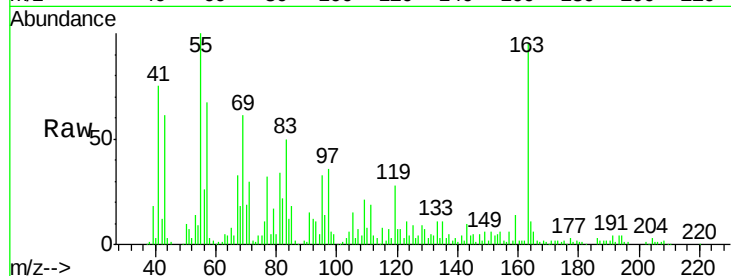




#49
Dimethylphthalate
Concen: 14.09 ng
RT: 9.13 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

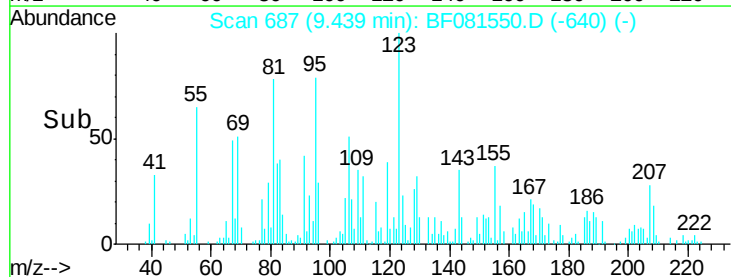
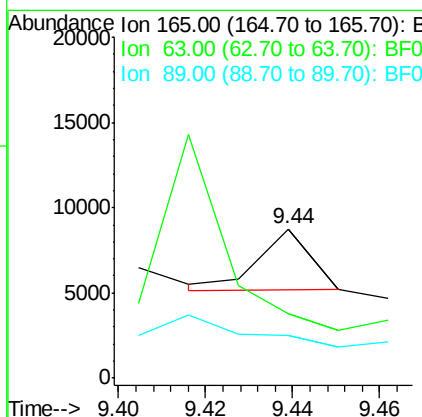
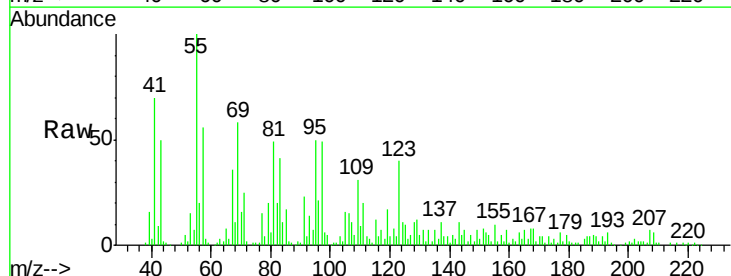
Instrument :
BNA_F
ClientSampled :

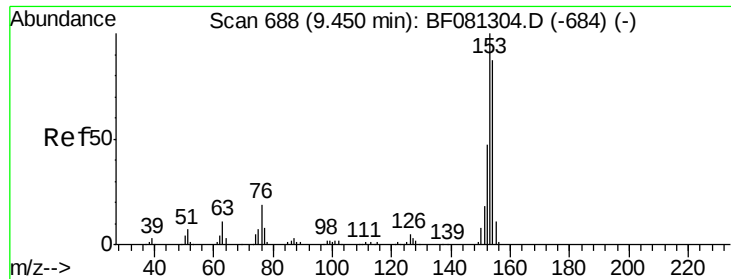
Tot Ion:163 Resp: 81393
Ion Ratio Lower Upper
163 100
194 4.4 4.4 6.6#
164 11.6 8.3 12.5



#50
2,6-Dinitrotoluene
Concen: 2.22 ng
RT: 9.44 min Scan# 687
Delta R.T. 0.24 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Tgt Ion:165 Resp: 2915
Ion Ratio Lower Upper
165 100
63 42.8 32.3 48.5
89 28.9 28.6 43.0





#51

Acenaphthene

Concen: 16.26 ng

RT: 9.42 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampleId :

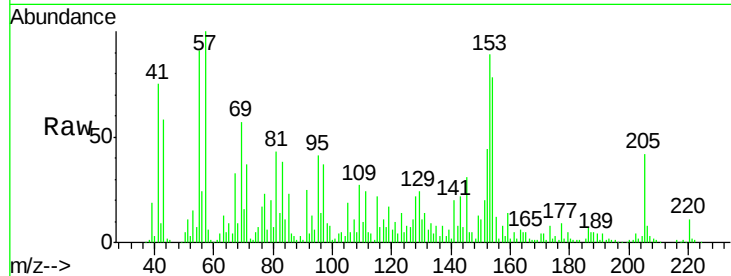
Tot Ion:154 Resp: 81036

Ion Ratio Lower Upper

154 100

153 113.8 82.1 123.1

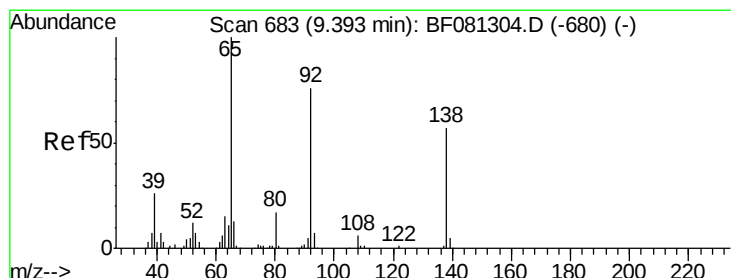
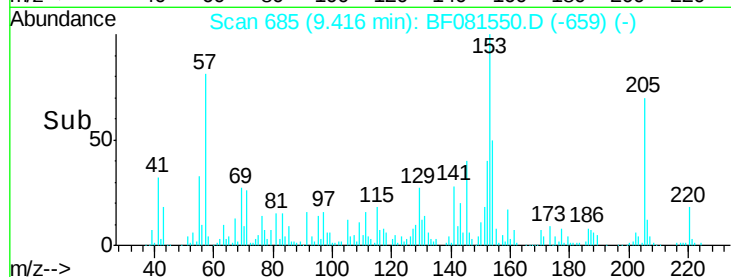
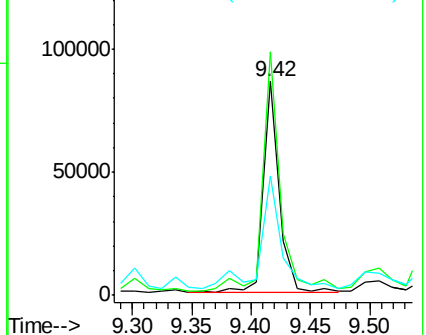
152 55.9 37.9 56.9



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: 5.54 ng

RT: 9.34 min Scan# 678

Delta R.T. -0.02 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

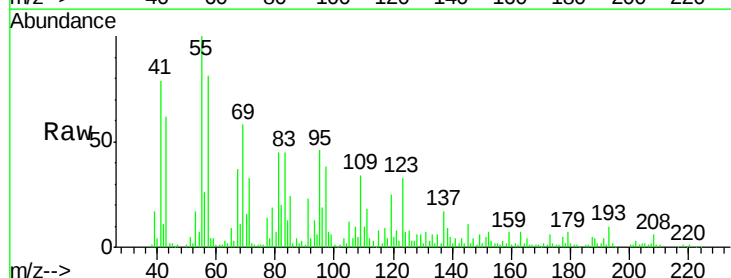
Tgt Ion:138 Resp: 8263

Ion Ratio Lower Upper

138 100

108 54.2 5.7 8.5#

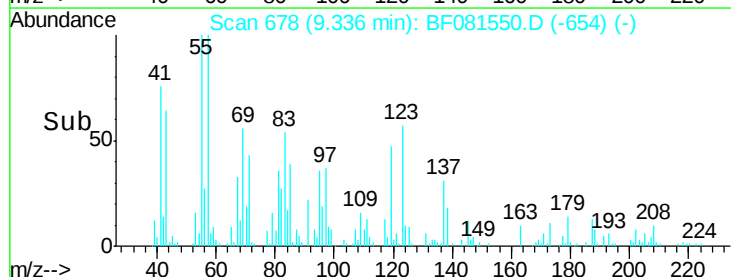
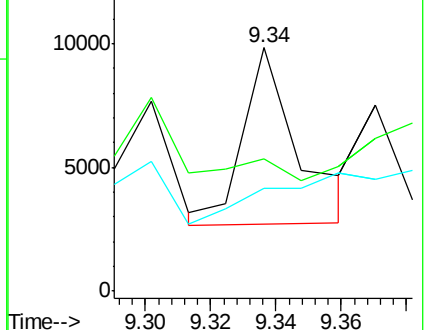
92 42.2 67.7 101.5#

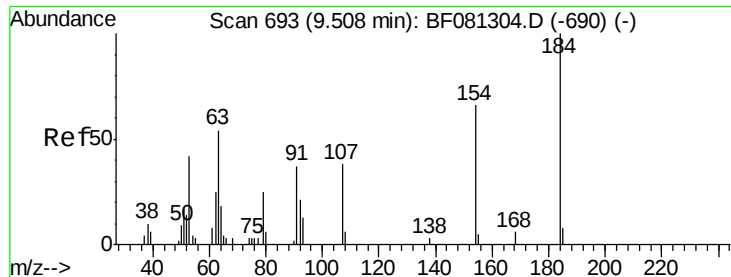


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

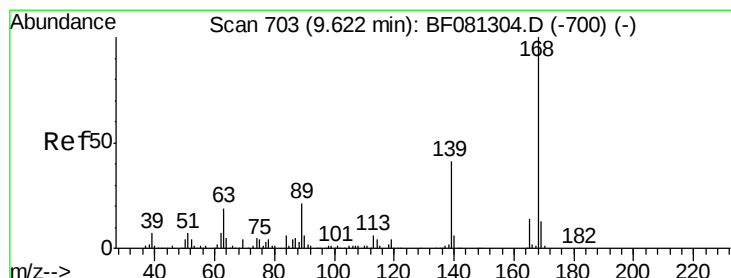
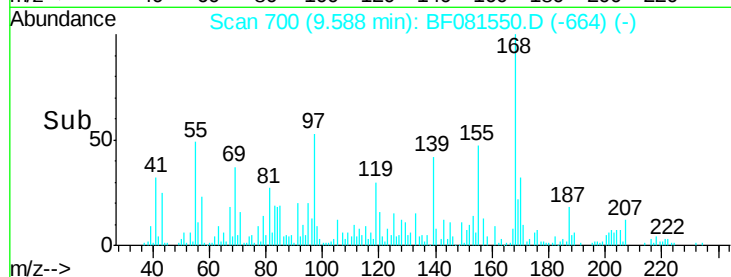
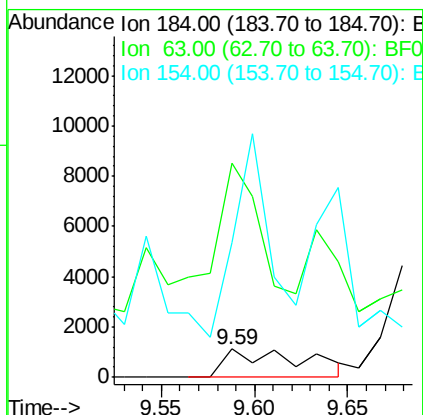
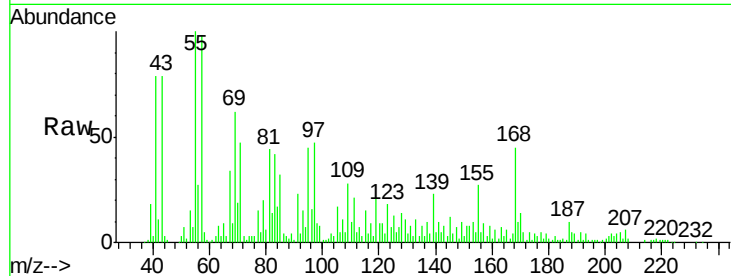




#53
 2,4-Dinitrophenol
 Concen: 5.92 ng
 RT: 9.59 min Scan# 700
 Delta R.T. 0.11 min
 Lab File: BF081550.D
 Acq: 9 Sep 2015 7:15

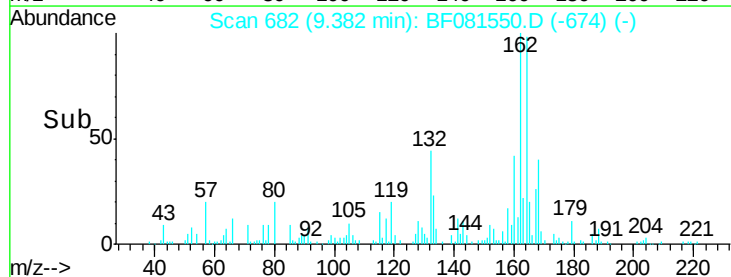
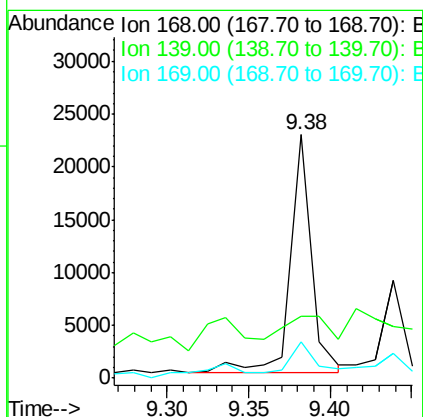
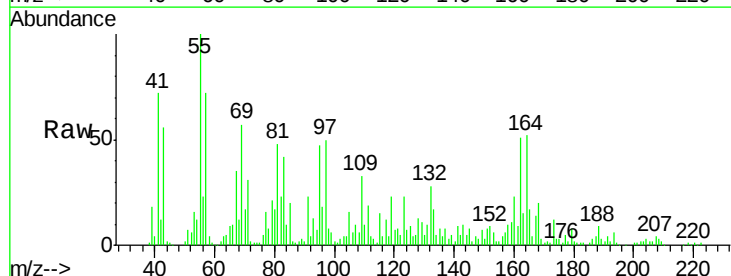
Instrument :
 BNA_F
 ClientSampled :

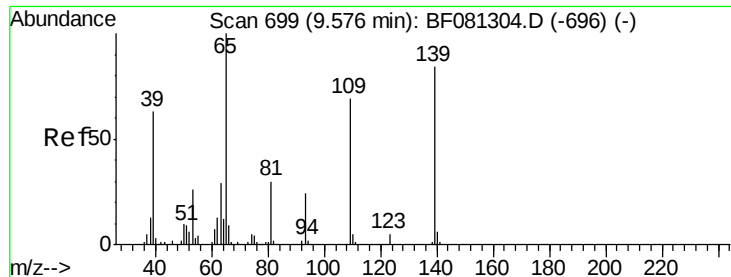
Tot Ion:184 Resp: 3270
 Ion Ratio Lower Upper
 184 100
 63 757.8 35.4 53.2#
 154 477.1 32.2 48.4#



#54
 Dibenzofuran
 Concen: 2.85 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF081550.D
 Acq: 9 Sep 2015 7:15

Tgt Ion:168 Resp: 20752
 Ion Ratio Lower Upper
 168 100
 139 25.4 24.2 36.2
 169 14.7 10.6 15.8

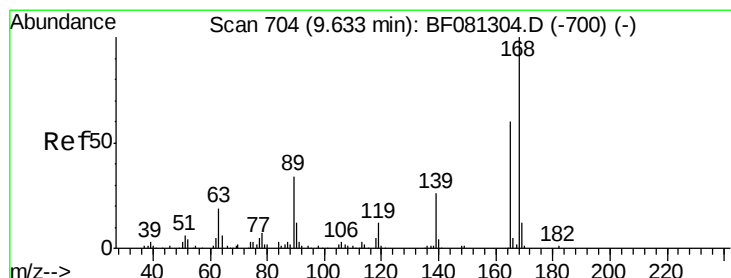
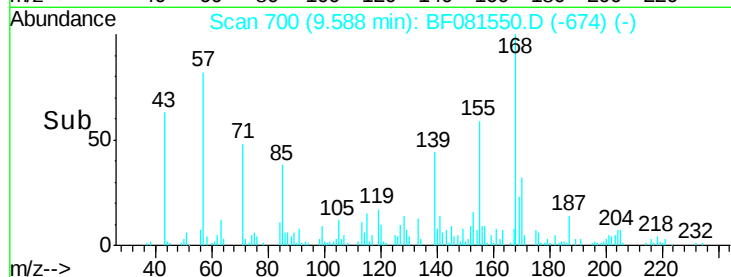
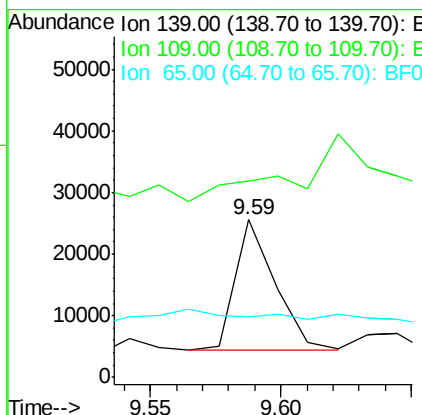
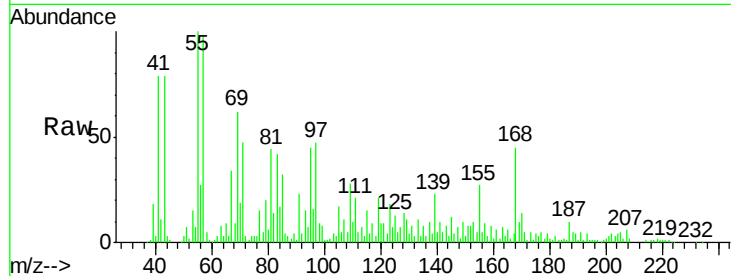




#55
4-Nitrophenol
Concen: 23.95 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.00 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

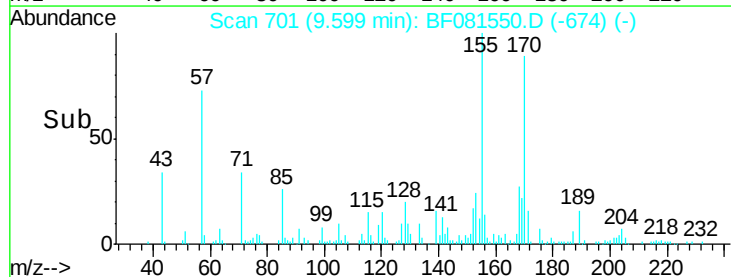
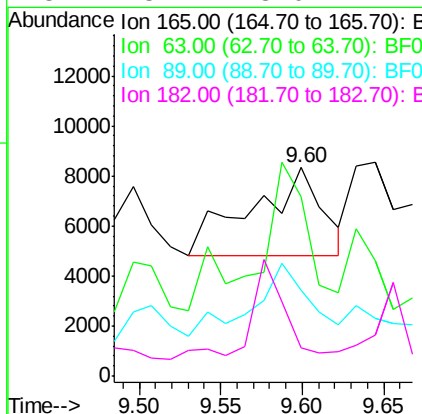
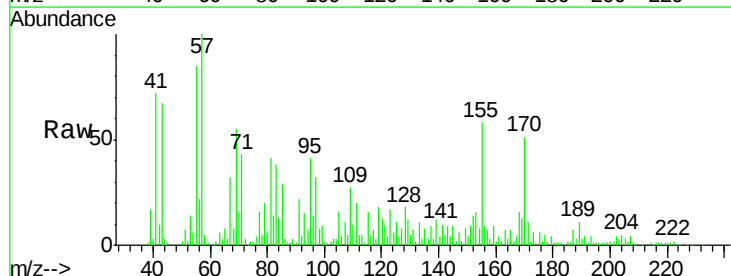
Instrument :
BNA_F
ClientSampled :

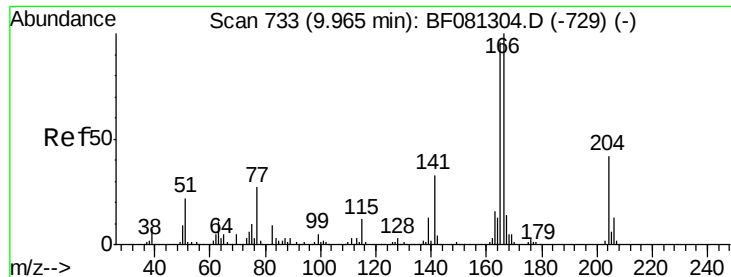
Tot Ion:139 Resp: 22446
Ion Ratio Lower Upper
139 100
109 124.9 12.7 52.7#
65 38.4 45.9 85.9#



#56
2,4-Dinitrotoluene
Concen: 6.37 ng
RT: 9.60 min Scan# 701
Delta R.T. 0.01 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Tgt Ion:165 Resp: 10633
Ion Ratio Lower Upper
165 100
63 86.0 29.8 44.6#
89 41.3 44.5 66.7#
182 13.2 3.0 4.4#





#57

Fluorene

Concen: 16.75 ng

RT: 9.93 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampleId :

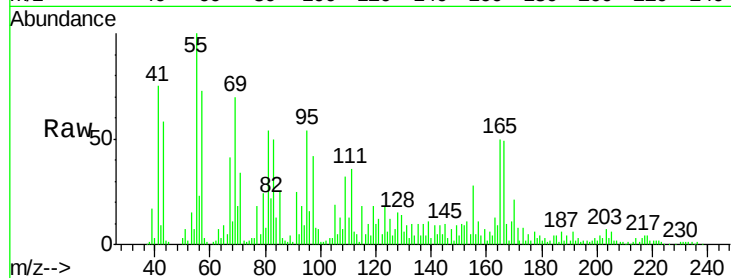
Tot Ion:166 Resp: 92480

Ion Ratio Lower Upper

166 100

165 102.4 72.6 109.0

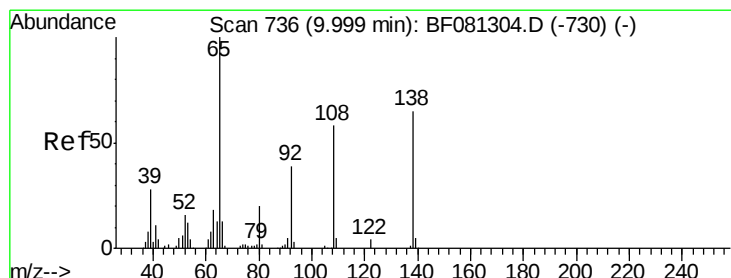
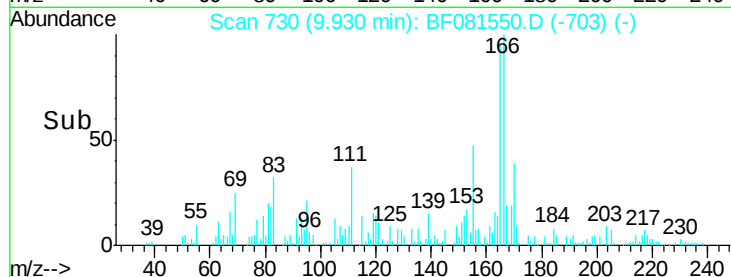
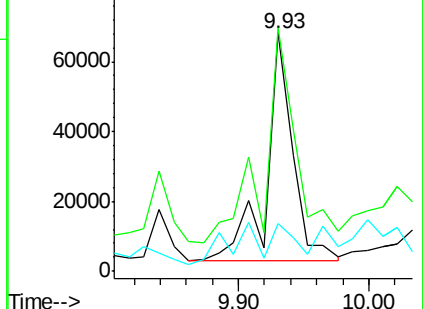
167 20.3 10.6 16.0#



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



#61

4-Nitroaniline

Concen: 3.89 ng

RT: 10.02 min Scan# 738

Delta R.T. 0.06 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

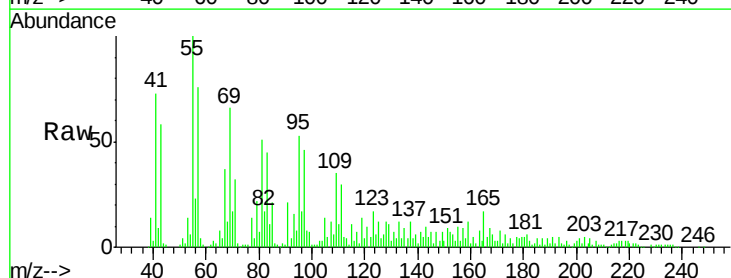
Tgt Ion:138 Resp: 5867

Ion Ratio Lower Upper

138 100

92 93.2 12.6 52.6#

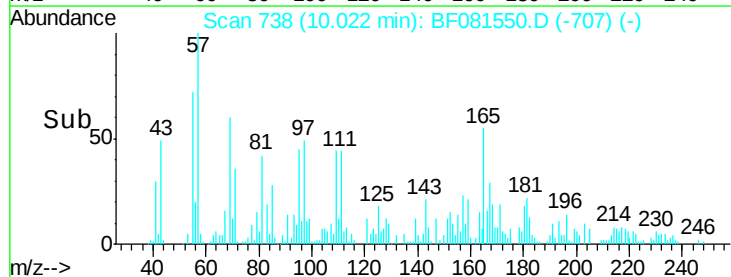
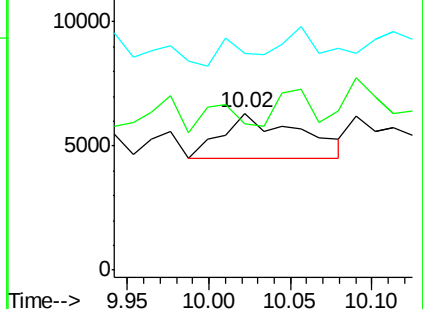
108 137.9 12.4 52.4#

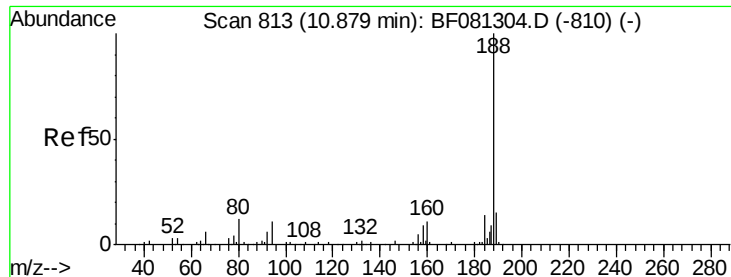


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.87 min Scan# 812

Delta R.T. 0.02 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampled :

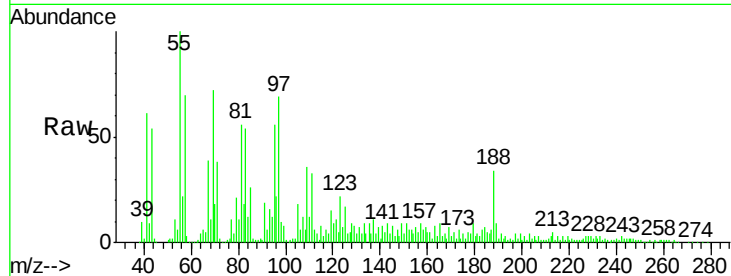
Tot Ion:188 Resp: 119787

Ion Ratio Lower Upper

188 100

94 34.3 11.1 16.7#

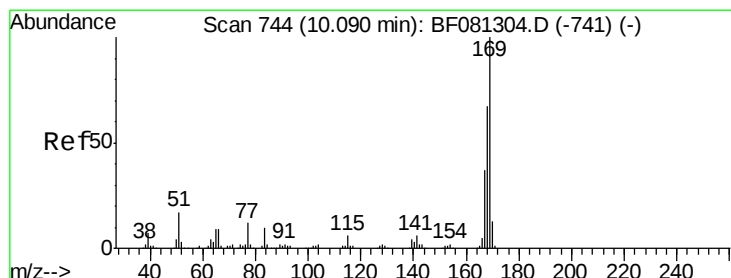
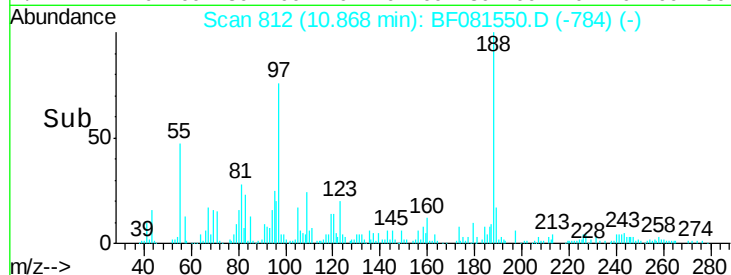
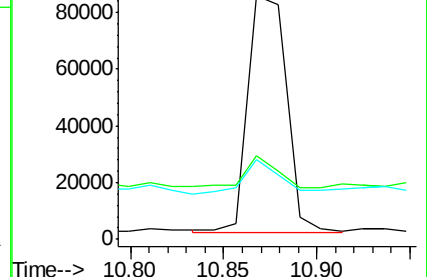
80 32.8 11.0 16.4#



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



#65

n-Nitrosodiphenylamine

Concen: 9.83 ng

RT: 10.06 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

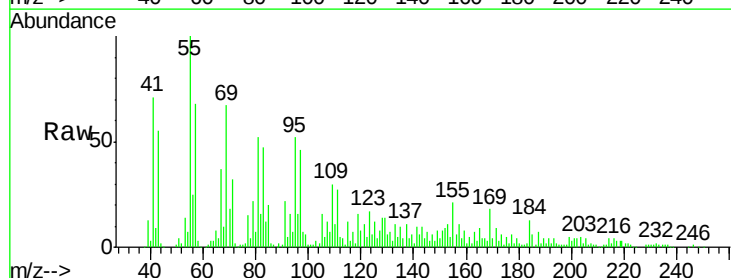
Tgt Ion:169 Resp: 42856

Ion Ratio Lower Upper

169 100

168 18.4 48.9 73.3#

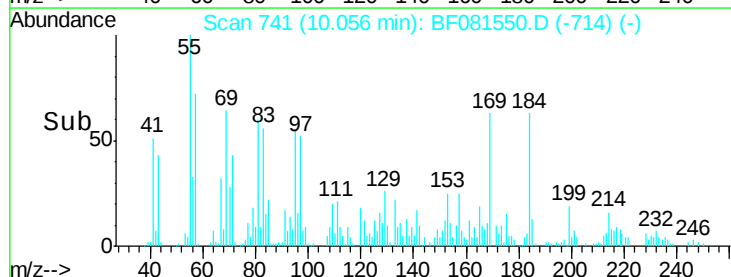
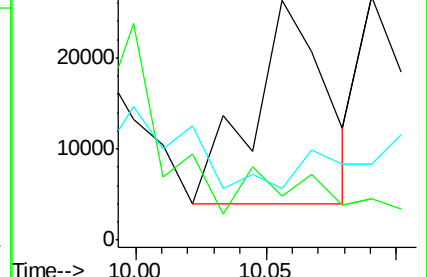
167 21.5 26.2 39.4#

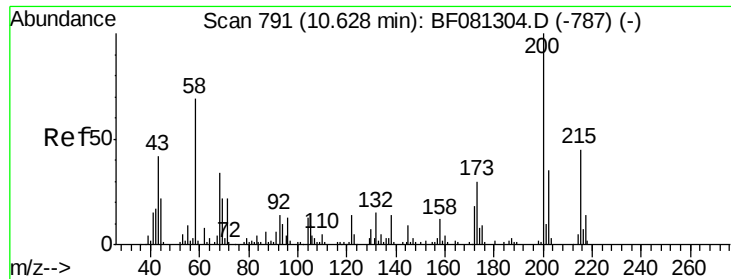


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 2.73 ng

RT: 10.57 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampled :

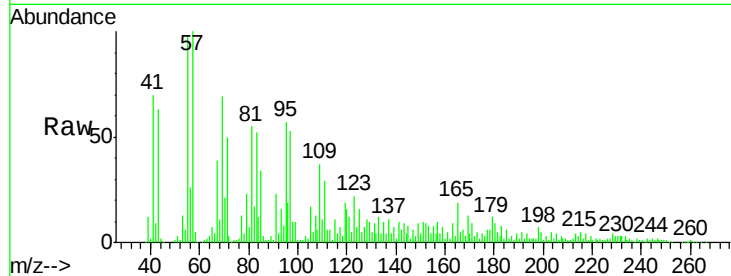
Tot Ion:200 Resp: 3446

Ion Ratio Lower Upper

200 100

173 374.2 13.2 53.2#

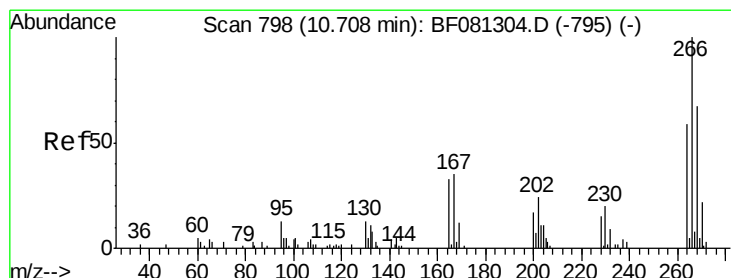
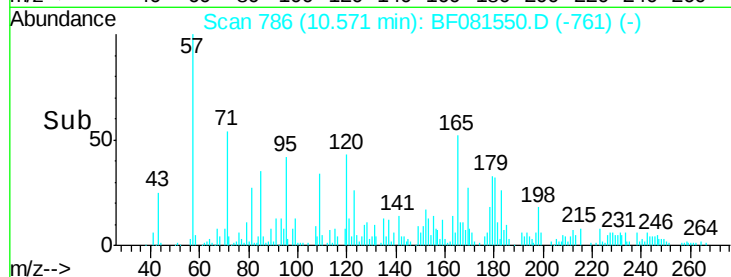
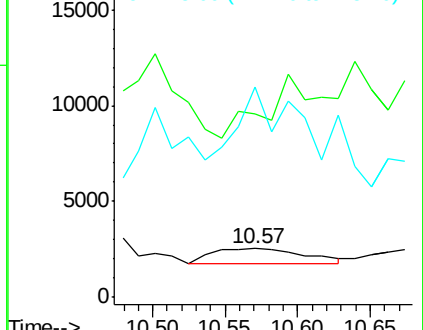
215 428.8 41.8 81.8#



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: 9.54 ng

RT: 10.67 min Scan# 795

Delta R.T. 0.01 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

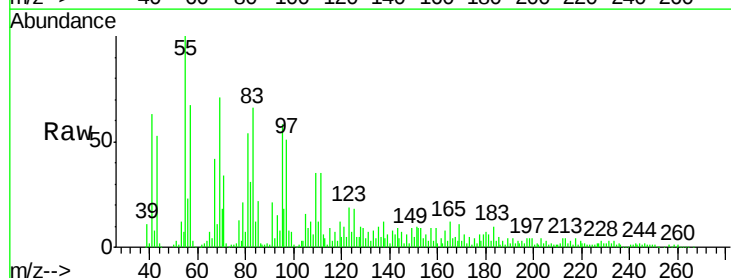
Tgt Ion:266 Resp: 548

Ion Ratio Lower Upper

266 100

268 0.0 49.8 74.6#

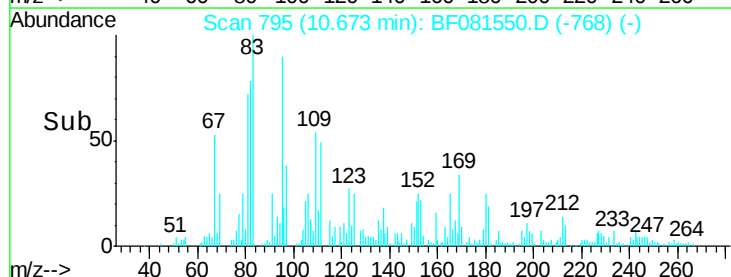
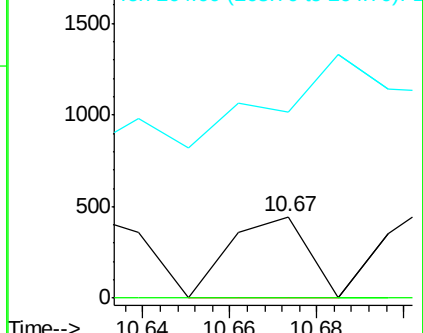
264 229.3 50.2 75.2#

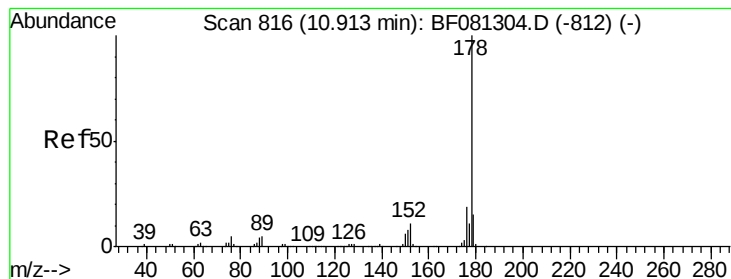


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 57.27 ng

RT: 10.90 min Scan# 815

Delta R.T. 0.03 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampled :

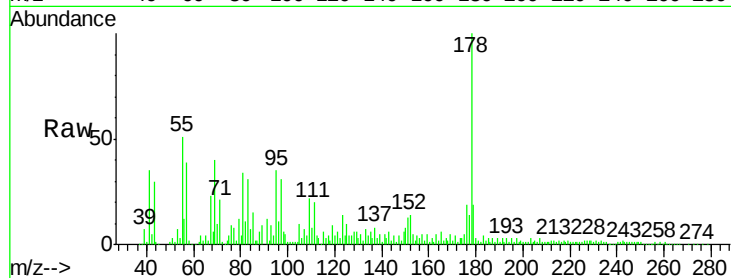
Tot Ion:178 Resp: 381367

Ion Ratio Lower Upper

178 100

176 19.3 13.8 20.8

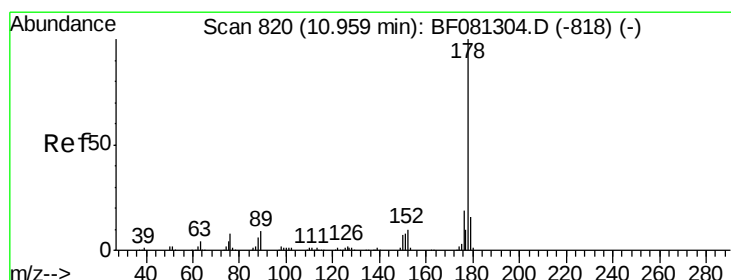
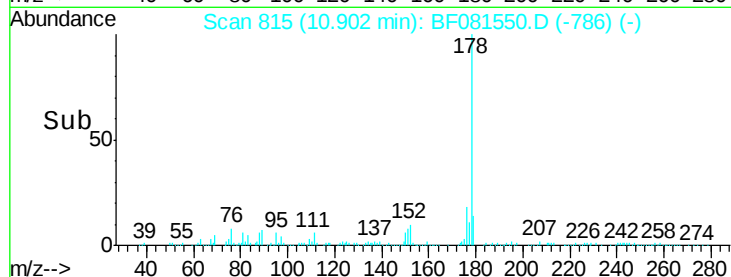
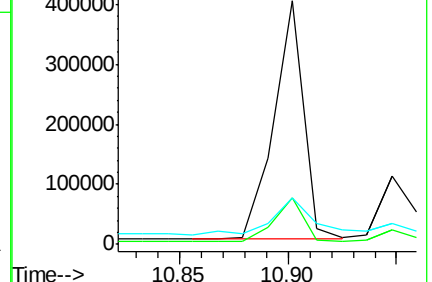
179 19.1 12.2 18.2#



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: 15.09 ng

RT: 10.95 min Scan# 819

Delta R.T. 0.03 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

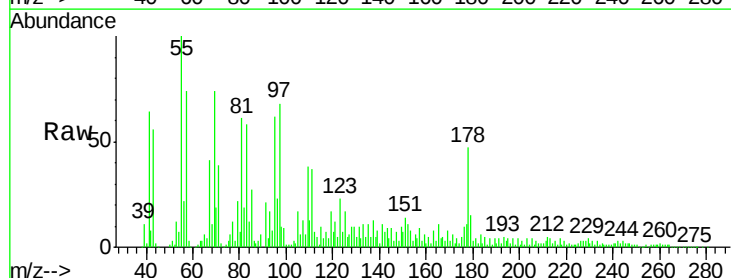
Tgt Ion:178 Resp: 103219

Ion Ratio Lower Upper

178 100

176 20.9 14.1 21.1

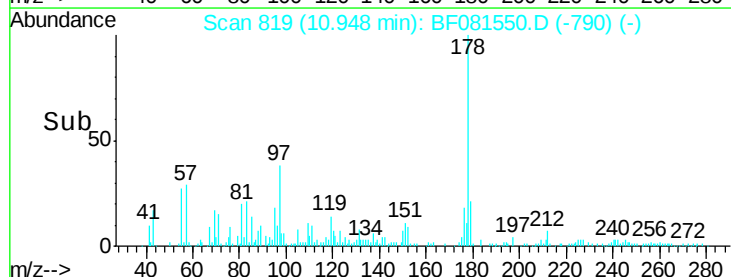
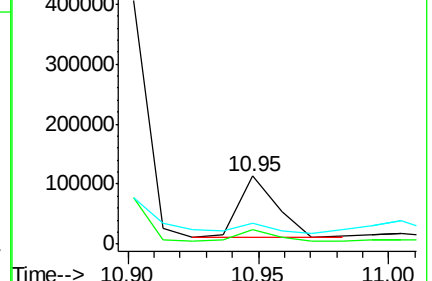
179 31.3 12.2 18.2#

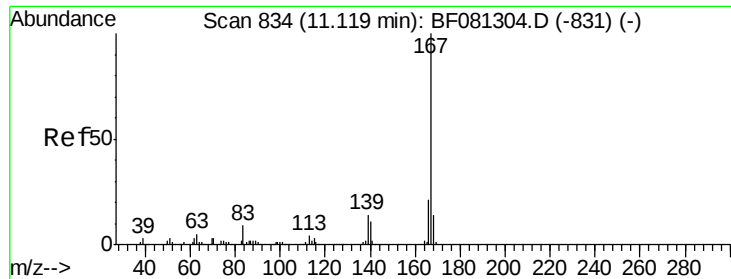


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.69 ng

RT: 11.11 min Scan# 833

Delta R.T. 0.02 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampleId :

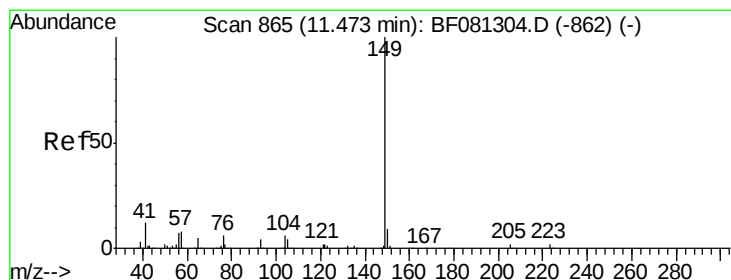
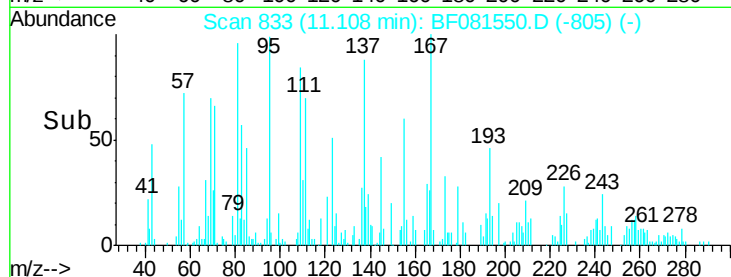
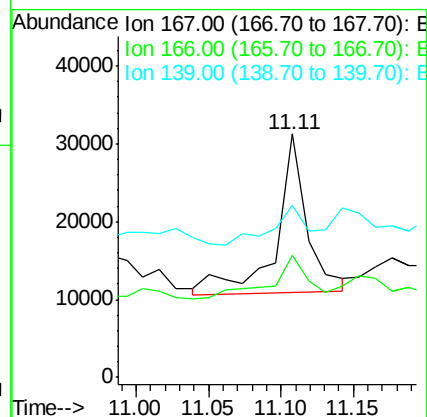
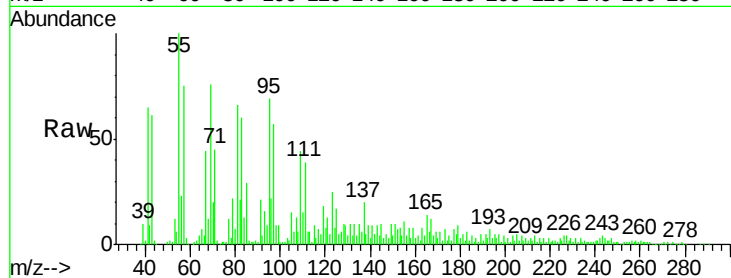
Tot Ion:167 Resp: 30128

Ion Ratio Lower Upper

167 100

166 50.3 15.7 23.5#

139 70.6 9.5 14.3#



#73

Di-n-butylphthalate

Concen: 4.13 ng

RT: 11.43 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

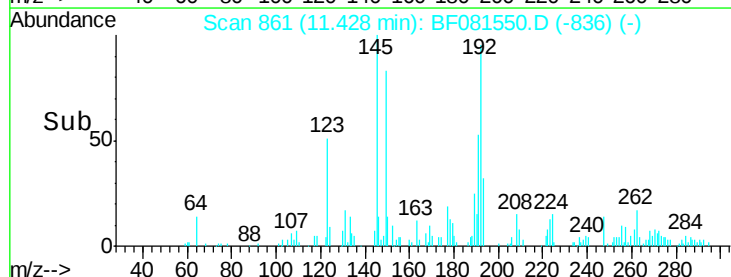
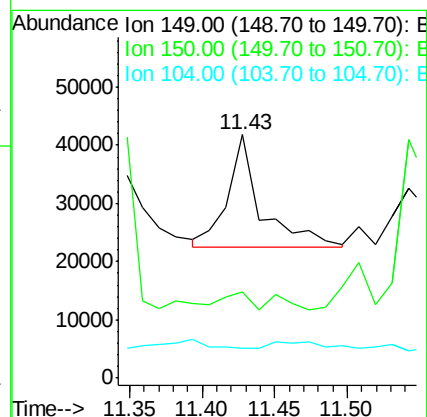
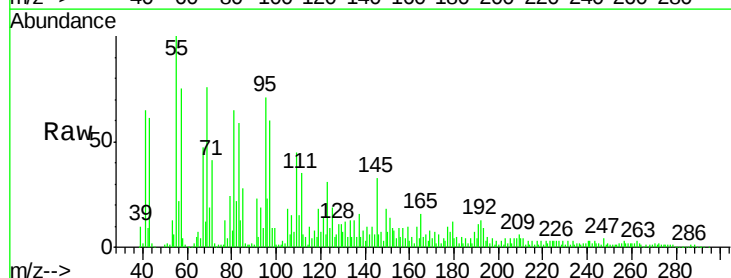
Tgt Ion:149 Resp: 31277

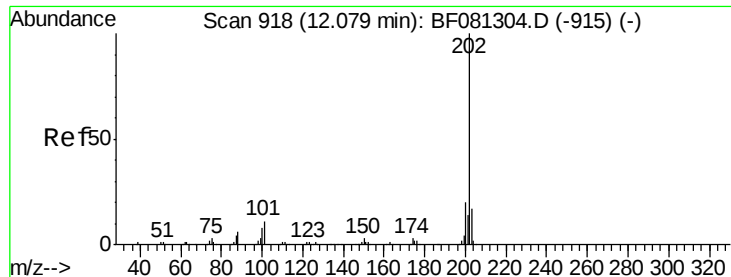
Ion Ratio Lower Upper

149 100

150 35.5 7.4 11.2#

104 12.0 2.4 3.6#





#74

Fluoranthene

Concen: 87.33 ng

RT: 12.10 min Scan# 920

Delta R.T. 0.07 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampleId :

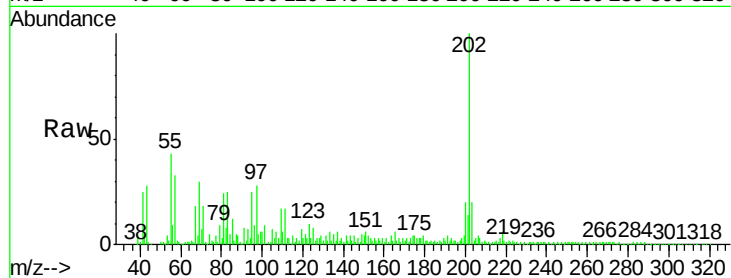
Tot Ion:202 Resp: 629607

Ion Ratio Lower Upper

202 100

101 8.7 0.0 38.3

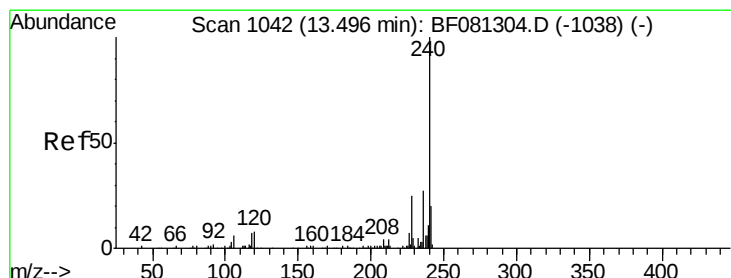
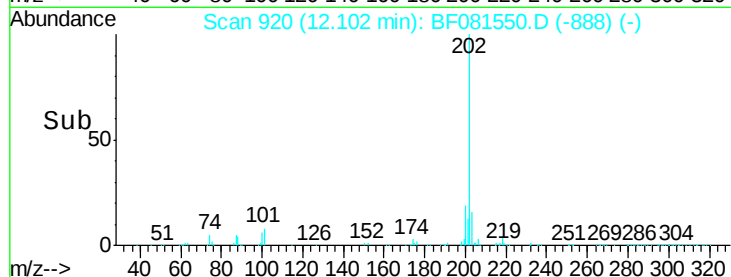
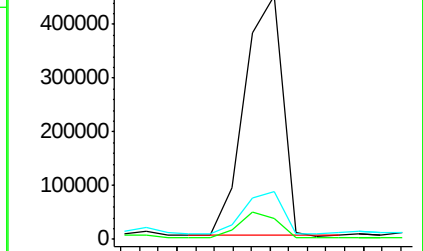
203 19.7 0.0 37.3



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: 13.50 min Scan# 1042

Delta R.T. 0.05 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

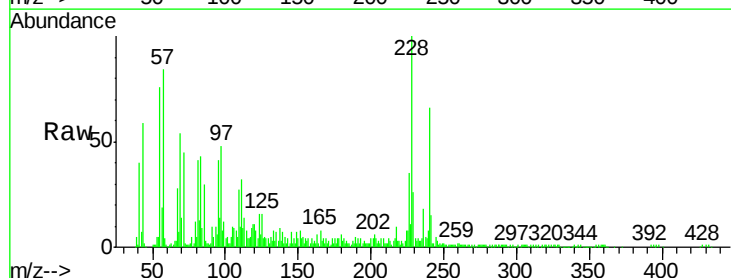
Tgt Ion:240 Resp: 123669

Ion Ratio Lower Upper

240 100

120 16.9 16.2 24.2

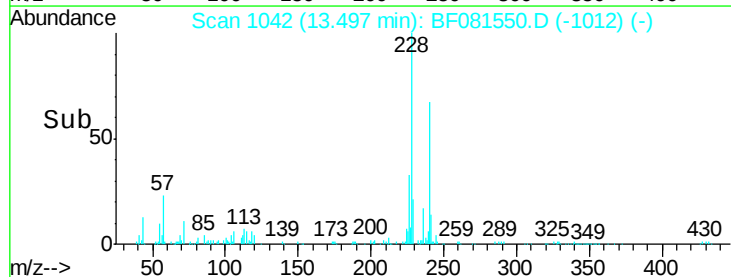
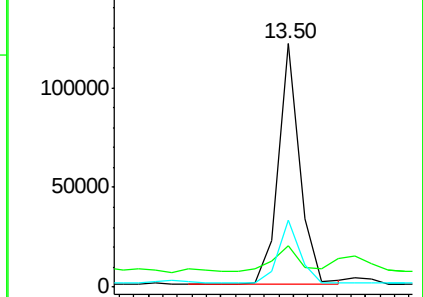
236 27.6 18.4 27.6

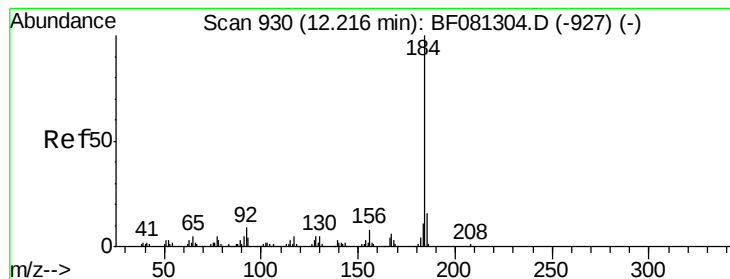


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.27 ng

RT: 12.24 min Scan# 932

Delta R.T. 0.06 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampleId :

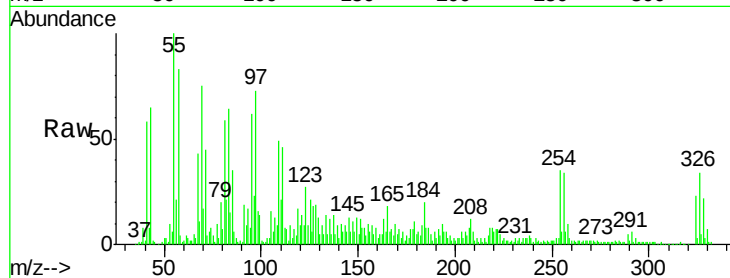
Tot Ion:184 Resp: 33286

Ion Ratio Lower Upper

184 100

185 37.5 11.8 17.6#

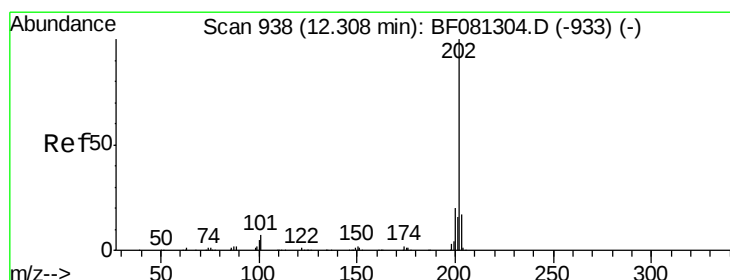
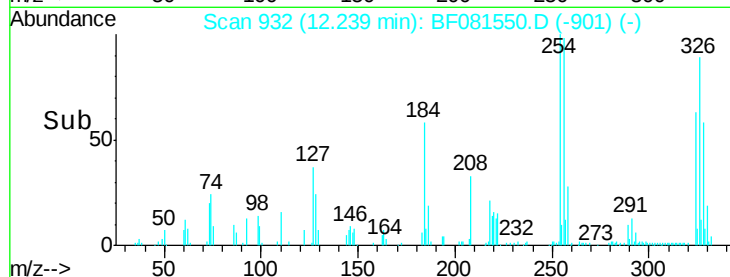
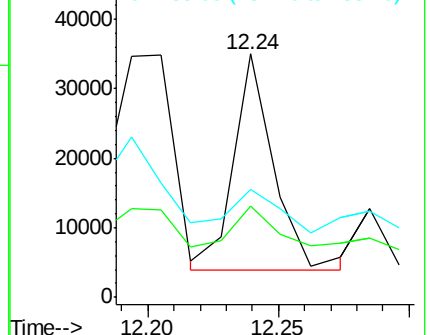
183 44.4 7.6 11.4#



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: 72.92 ng

RT: 12.32 min Scan# 939

Delta R.T. 0.06 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

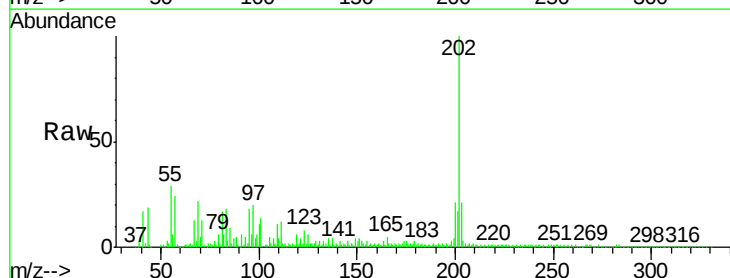
Tgt Ion:202 Resp: 668022

Ion Ratio Lower Upper

202 100

200 20.6 15.0 22.4

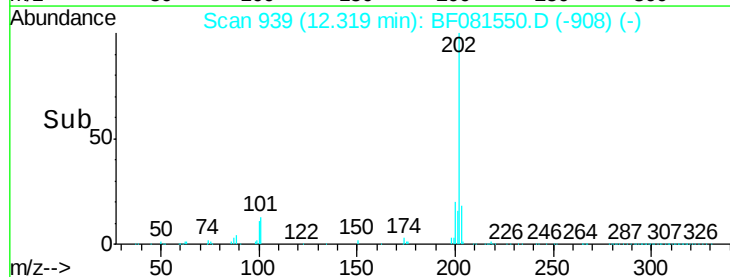
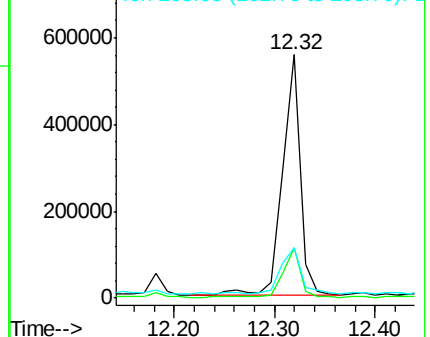
203 20.5 14.1 21.1

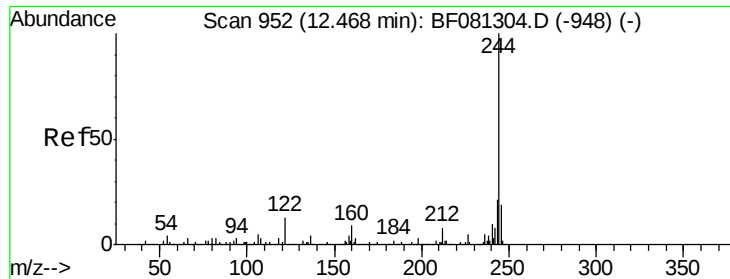


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.74 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.05 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampleId :

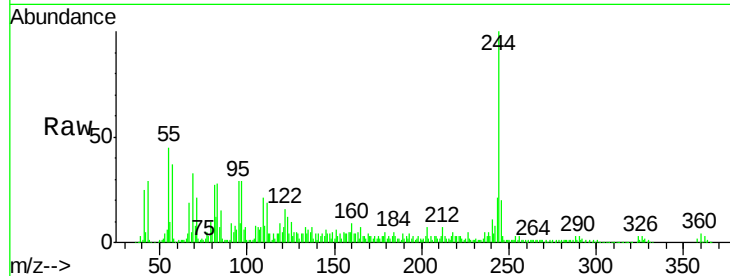
Tot Ion:244 Resp: 354562

Ion Ratio Lower Upper

244 100

212 7.4 4.3 6.5#

122 16.0 17.4 26.2#



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

12.47

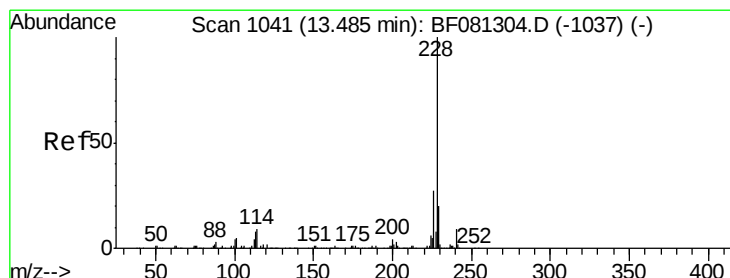
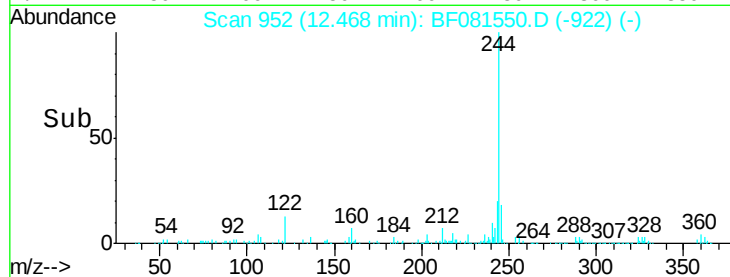
300000

200000

100000

0

Time-->



#80

Benzo(a)anthracene

Concen: 51.85 ng

RT: 13.49 min Scan# 1041

Delta R.T. 0.05 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

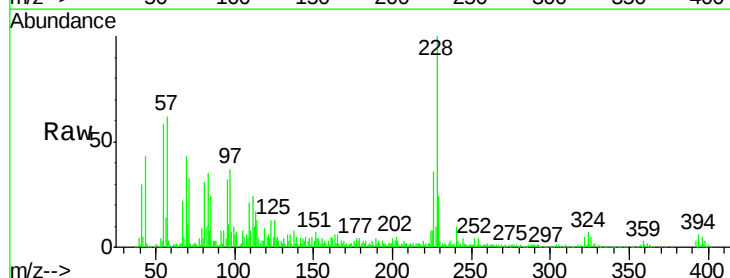
Tgt Ion:228 Resp: 408379

Ion Ratio Lower Upper

228 100

226 35.5 20.0 30.0#

229 24.2 15.4 23.2#



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

13.49

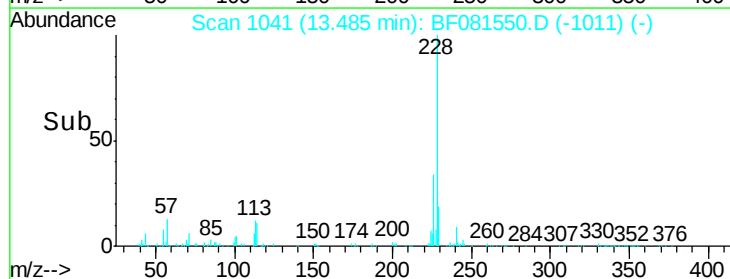
300000

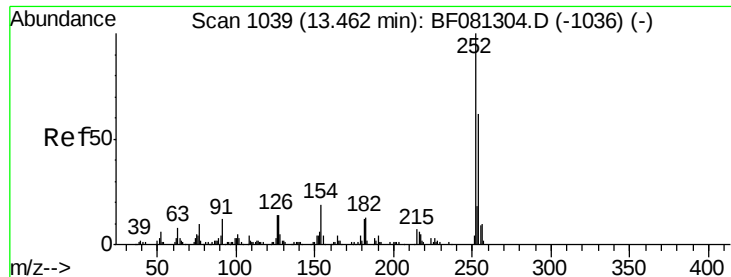
200000

100000

0

Time-->

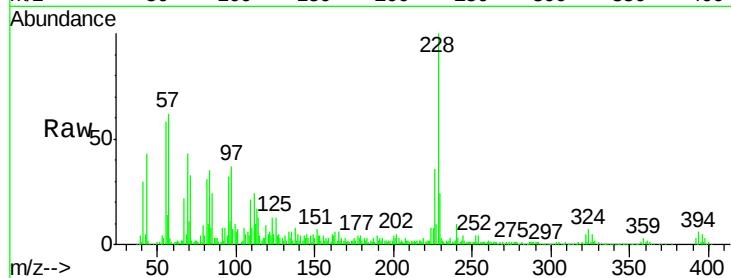




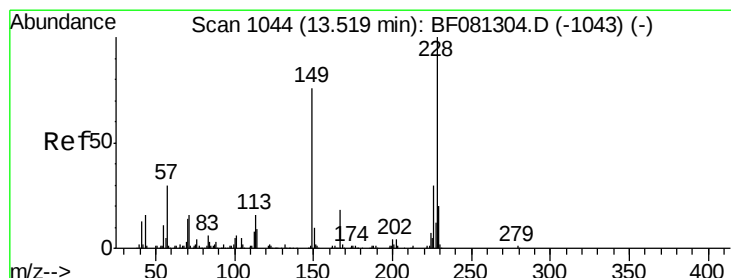
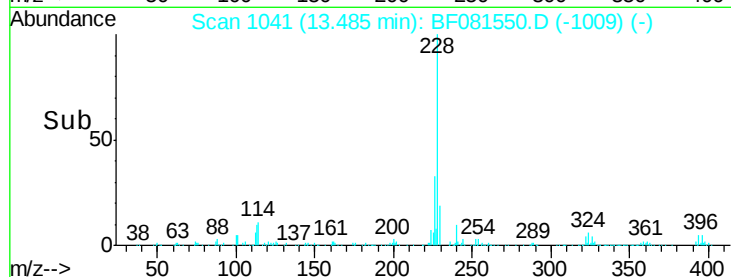
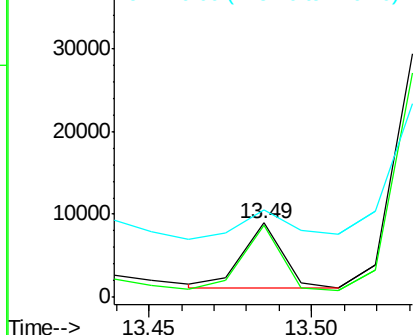
#81
 3,3'-Dichlorobenzidine
 Concen: 2.46 ng
 RT: 13.49 min Scan# 1041
 Delta R.T. 0.07 min
 Lab File: BF081550.D
 Acq: 9 Sep 2015 7:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:252 Resp: 6545
 Ion Ratio Lower Upper
 252 100
 254 98.2 51.4 77.2#
 126 118.0 16.4 24.6#

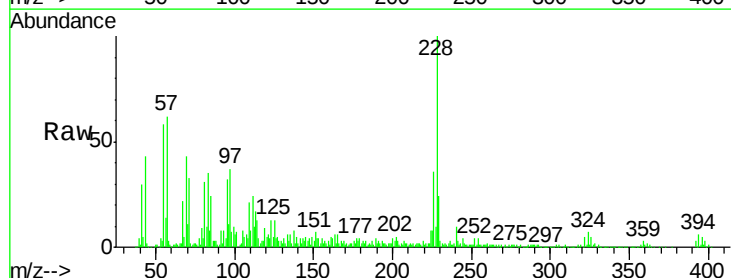


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

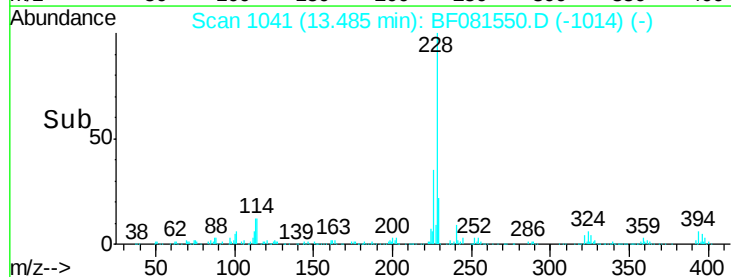
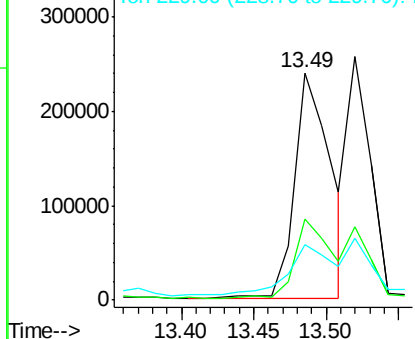


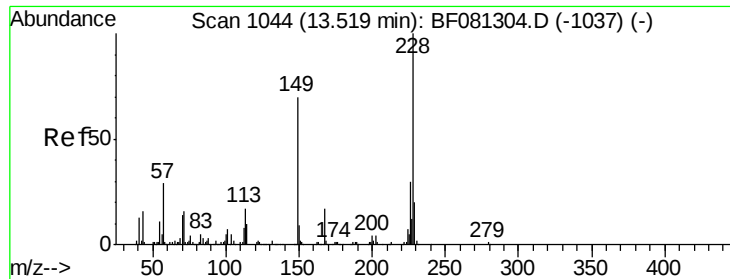
#82
 Chrysene
 Concen: 57.85 ng
 RT: 13.49 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: BF081550.D
 Acq: 9 Sep 2015 7:15

Tgt Ion:228 Resp: 408379
 Ion Ratio Lower Upper
 228 100
 226 35.5 21.0 31.4#
 229 24.2 15.6 23.4#



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

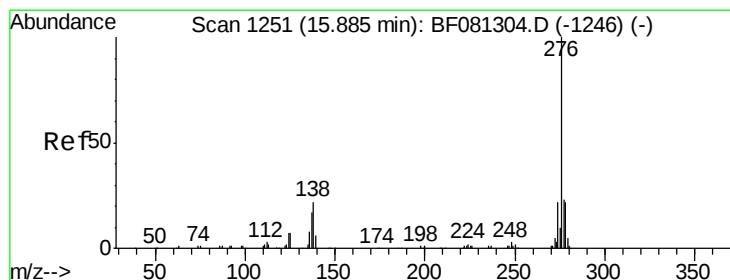
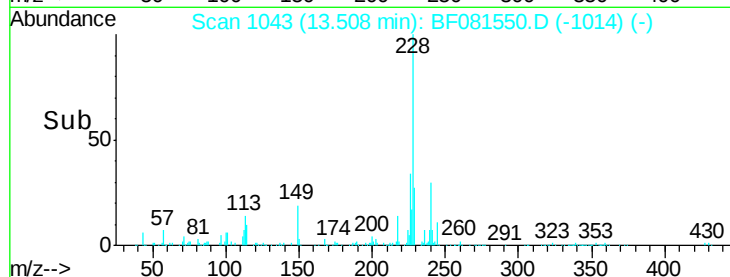
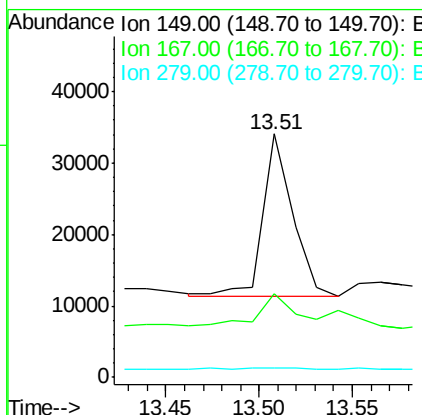
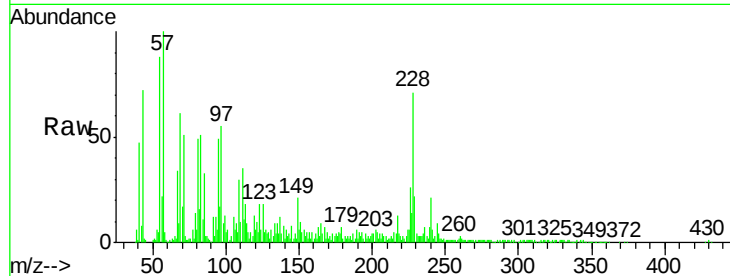




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.72 ng
 RT: 13.51 min Scan# 1043
 Delta R.T. 0.03 min
 Lab File: BF081550.D
 Acq: 9 Sep 2015 7:15

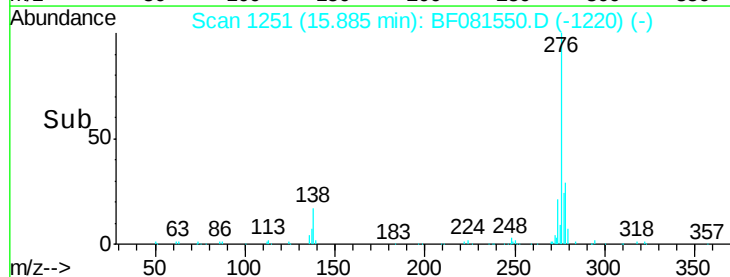
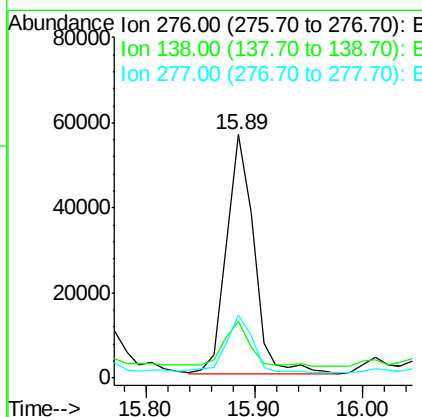
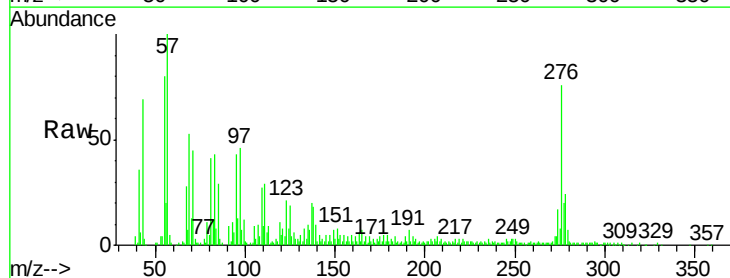
Instrument :
 BNA_F
 ClientSampleId :

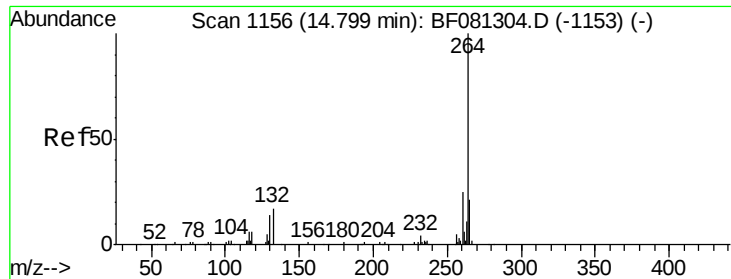
Tot Ion:149 Resp: 24832
 Ion Ratio Lower Upper
 149 100
 167 34.2 24.2 36.2
 279 3.8 3.8 5.6



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.80 ng
 RT: 15.89 min Scan# 1251
 Delta R.T. 0.06 min
 Lab File: BF081550.D
 Acq: 9 Sep 2015 7:15

Tgt Ion:276 Resp: 97383
 Ion Ratio Lower Upper
 276 100
 138 18.9 25.7 38.5#
 277 25.8 15.6 23.4#



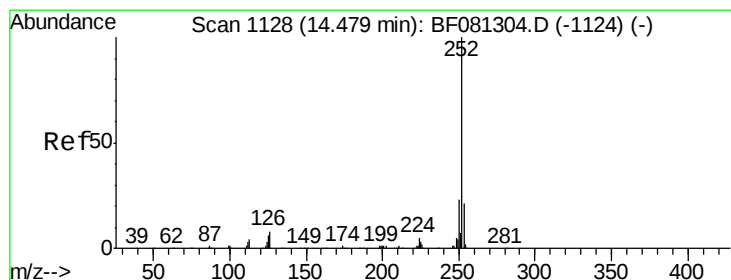
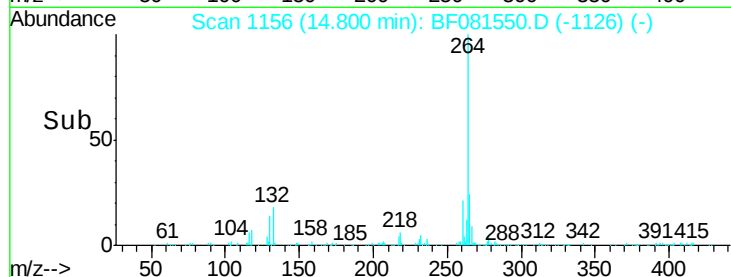
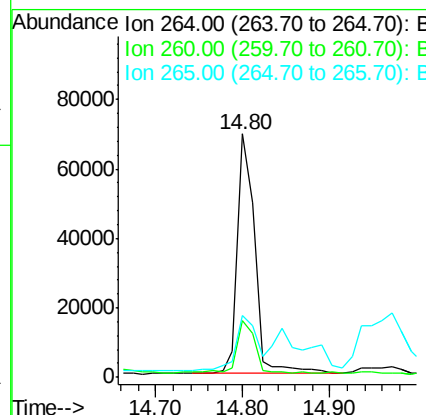
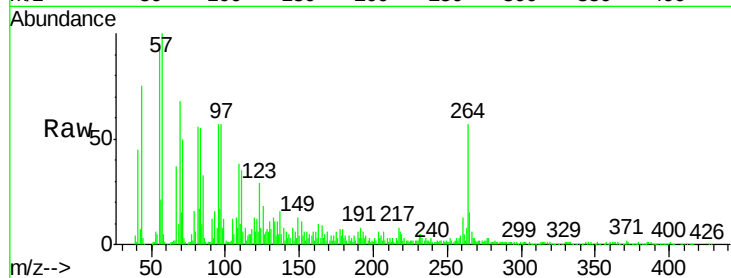


#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.80 min Scan# 1156
Delta R.T. 0.05 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 94610

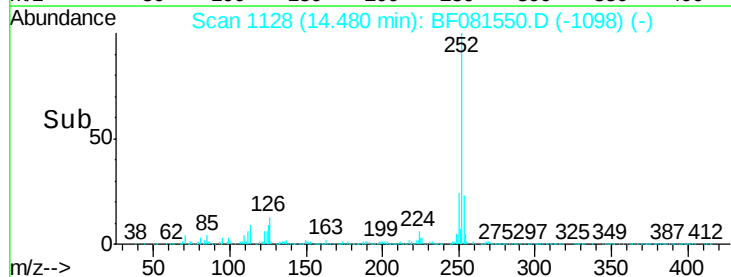
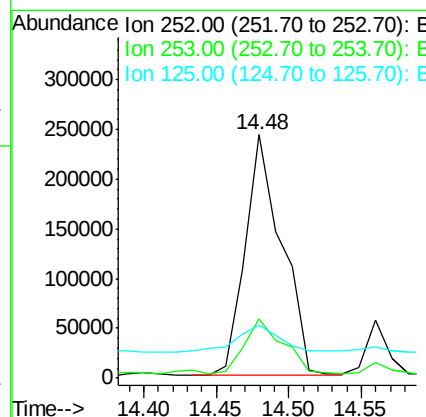
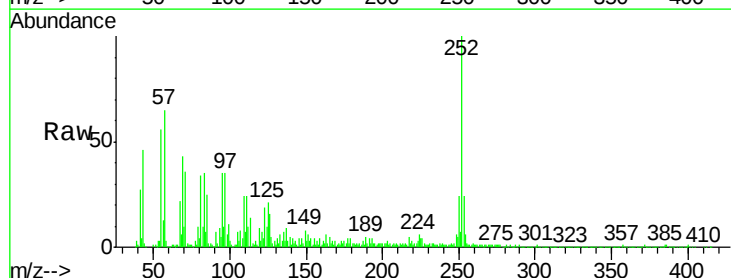
Ion	Ratio	Lower	Upper
264	100		
260	23.2	16.7	25.1
265	25.6	17.2	25.8

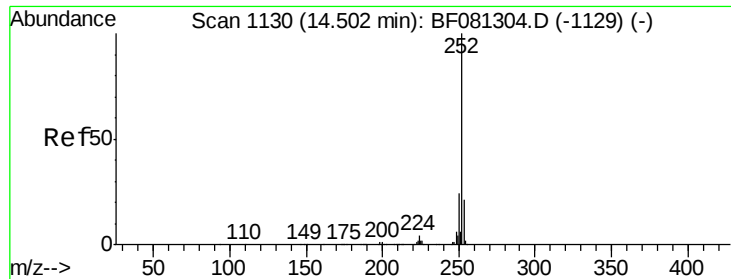


#87
Benzo(b)fluoranthene
Concen: 62.76 ng
RT: 14.48 min Scan# 1128
Delta R.T. 0.05 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Tgt Ion:252 Resp: 423932

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	21.5	17.1	25.7

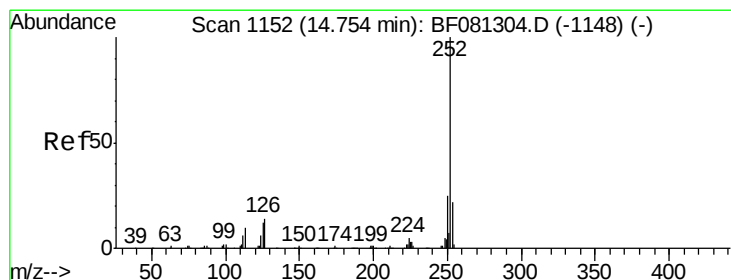
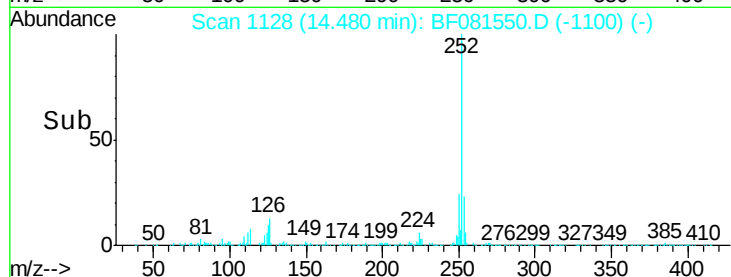
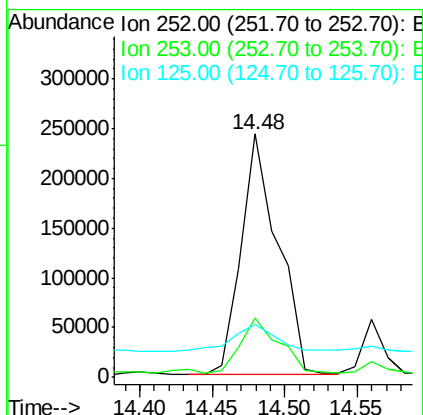
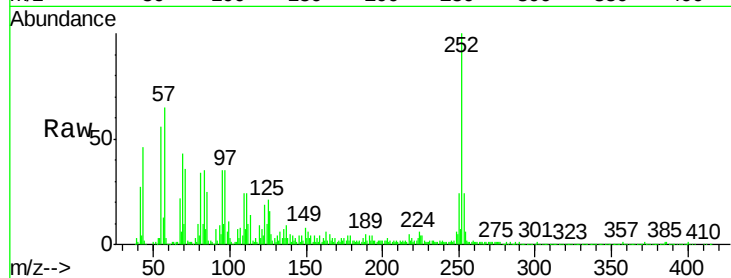




#88
Benzo(k)fluoranthene
Concen: 75.64 ng
RT: 14.48 min Scan# 1128
Delta R.T. 0.02 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

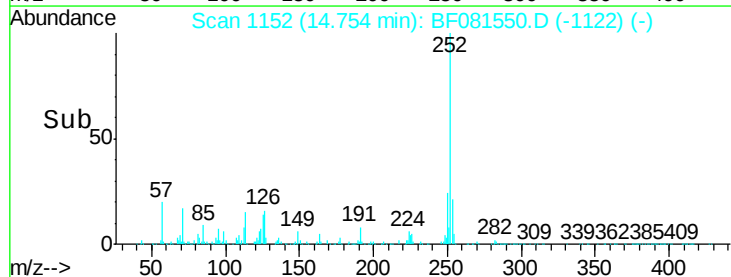
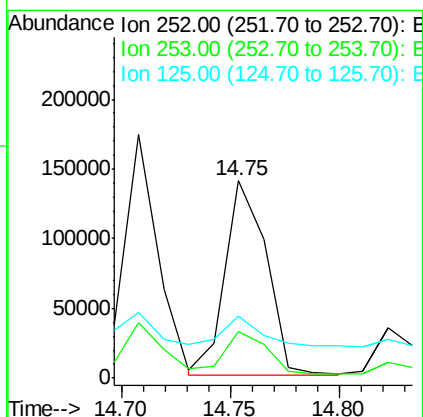
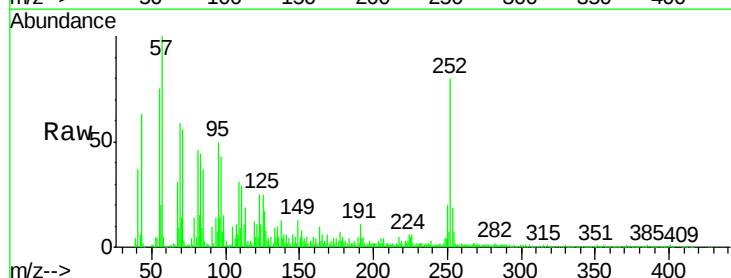
Instrument :
BNA_F
ClientSampleId :

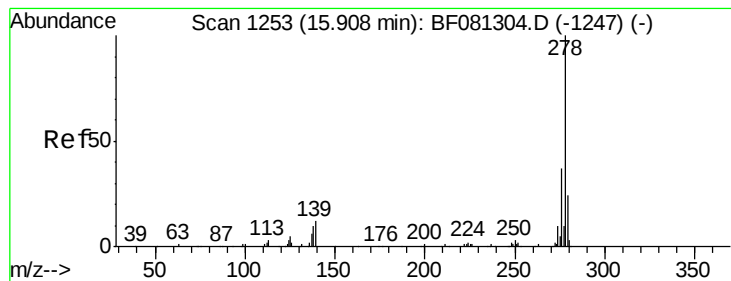
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.4
125	21.5	16.0	24.0



#89
Benzo(a)pyrene
Concen: 32.34 ng
RT: 14.75 min Scan# 1152
Delta R.T. 0.05 min
Lab File: BF081550.D
Acq: 9 Sep 2015 7:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	31.5	18.0	27.0





#90

Dibenzo(a,h)anthracene

Concen: 7.78 ng

RT: 15.89 min Scan# 1251

Delta R.T. 0.05 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

Instrument :

BNA_F

ClientSampleId :

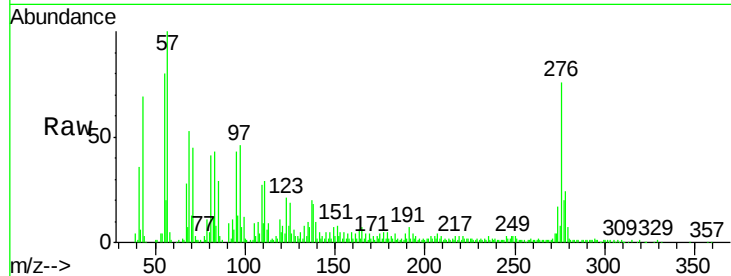
Tot Ion:278 Resp: 34427

Ion Ratio Lower Upper

278 100

139 41.2 26.3 39.5#

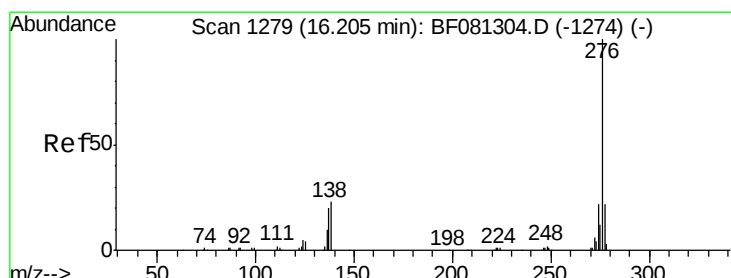
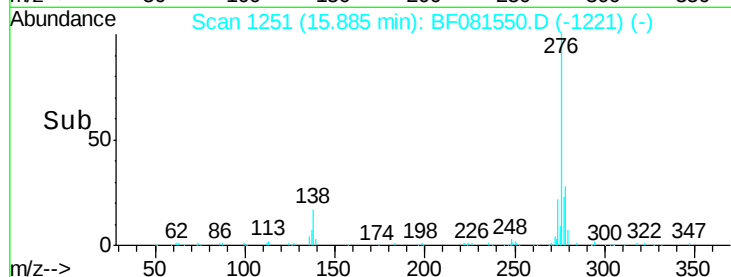
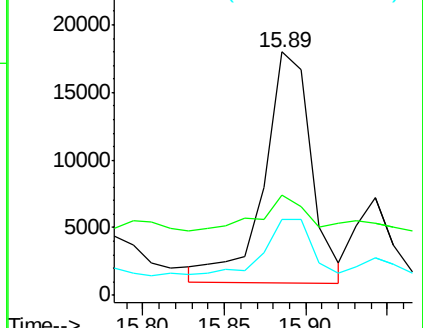
279 31.0 18.2 27.4#



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: 21.55 ng

RT: 16.21 min Scan# 1279

Delta R.T. 0.07 min

Lab File: BF081550.D

Acq: 9 Sep 2015 7:15

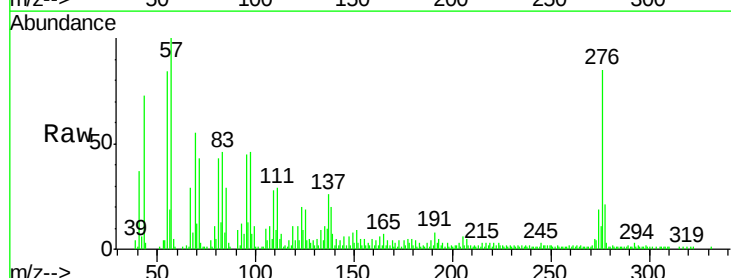
Tgt Ion:276 Resp: 90968

Ion Ratio Lower Upper

276 100

277 24.5 17.8 26.6

138 23.3 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

