

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093356.D
 Acq On : 3 Mar 2017 12:00
 Operator : SJ/MA
 Sample : I2057-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 21B-20

Quant Time: Mar 03 13:03:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139074	20.00	ng	-0.06
21) Naphthalene-d8	8.10	136	403876	20.00	ng	-0.05
38) Acenaphthene-d10	9.88	164	158195	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	212175	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	138136	20.00	ng	0.00
86) Perylene-d12	15.47	264	143562	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1091156	134.61	ng	-0.06
7) Phenol-d6	6.45	99	1205106	115.54	ng	-0.03
23) Nitrobenzene-d5	7.38	82	766365	105.67	ng	-0.05
41) 2,4,6-Tribromophenol	10.68	330	126964	110.97	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	903151	103.43	ng	-0.03
78) Terphenyl-d14	12.96	244	418029	71.11	ng	-0.01

Target Compounds						Qvalue
10) Phenol	6.46	94	69639	5.71	ng	87
15) Benzyl Alcohol	6.96	79	29907	3.87	ng	# 37
18) Hexachloroethane	7.38	117	583160	161.14	ng	# 21
19) n-Nitroso-di-n-propylamine	7.23	70	82075	12.36	ng	# 64
22) Acetophenone	7.13	105	317964	34.48	ng	# 71
24) Nitrobenzene	7.45	77	48226	6.48	ng	# 56
25) Isophorone	7.62	82	202435	14.98	ng	# 1
26) 2-Nitrophenol	7.77	139	42096	11.89	ng	# 1
27) 2,4-Dimethylphenol	7.74	122	30624	4.93	ng	# 23
28) bis(2-Chloroethoxy)methane	7.85	93	25453	2.84	ng	# 1
29) 2,4-Dichlorophenol	7.94	162	35074	6.05	ng	# 13
30) 1,2,4-Trichlorobenzene	7.98	180	13910	2.23	ng	# 66
31) Naphthalene	8.14	128	93340	4.56	ng	# 1
32) Benzoic acid	7.88	122	25211	13.25	ng	# 37
33) 4-Chloroaniline	8.14	127	41298	5.14	ng	# 1
35) Caprolactam	8.54	113	208114	114.11	ng	# 6
36) 4-Chloro-3-methylphenol	8.62	107	35450	5.86	ng	# 25
37) 2-Methylnaphthalene	8.83	142	1420113	108.03	ng	99
42) 2,4,6-Trichlorophenol	9.10	196	19765	6.77	ng	# 9
43) 2,4,5-Trichlorophenol	9.10	196	19765	6.18	ng	# 1
46) 2-Chloronaphthalene	9.37	162	18049	2.01	ng	# 1
47) 2-Nitroaniline	9.50	65	17176	5.70	ng	# 37
48) Acenaphthylene	9.74	152	65937	4.26	ng	# 1
49) Dimethylphthalate	9.60	163	95943	9.00	ng	# 25
50) 2,6-Dinitrotoluene	9.65	165	28005	12.17	ng	# 43
51) Acenaphthene	9.92	154	104109	11.25	ng	# 5
52) 3-Nitroaniline	9.82	138	32266	12.25	ng	# 34
53) 2,4-Dinitrophenol	9.95	184	5937	9.51	ng	# 1
54) Dibenzofuran	10.09	168	83771	6.77	ng	# 1
55) 4-Nitrophenol	9.98	139	76909	40.55	ng	# 28
56) 2,4-Dinitrotoluene	10.09	165	47615	15.54	ng	# 60
57) Fluorene	10.43	166	289758	30.42	ng	# 76
58) 2,3,4,6-Tetrachlorophenol	10.19	232	4323	2.03	ng	# 1
61) 4-Nitroaniline	10.34	138	26260	9.74	ng	85

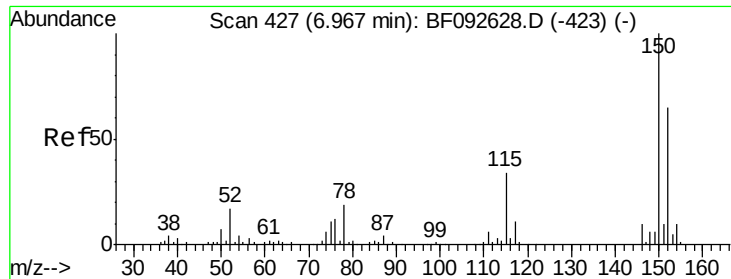
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Azobenzene	10.58	77	101363	9.77	nq	# 1
64) 4,6-Dinitro-2-methylphenol	10.50	198	3925	5.54	nq	# 1
65) n-Nitrosodiphenylamine	10.52	169	367779	54.26	nq	# 71
66) 4-Bromophenyl-phenylether	10.90	248	5762	2.60	nq	# 1
68) Atrazine	11.09	200	18593	8.55	nq	# 1
69) Pentachlorophenol	11.21	266	5894	11.94	nq	# 31
70) Phenanthrene	11.40	178	676352	55.64	nq	# 93
71) Anthracene	11.45	178	47411	3.88	nq	# 52
72) Carbazole	11.61	167	29826	2.56	nq	# 1
73) Di-n-butylphthalate	11.90	149	44956	3.56	nq	# 1
74) Fluoranthene	12.59	202	87098	6.95	nq	# 74
77) Pyrene	12.82	202	211332	20.44	nq	# 87
79) Butylbenzylphthalate	13.41	149	19080	4.55	nq	# 1
80) Benzo(a)anthracene	14.04	228	168896	19.99	nq	# 42
81) 3,3'-Dichlorobenzidine	14.01	252	8155	2.71	nq	# 2
82) Chrysene	14.04	228	168896	21.35	nq	# 49
85) Indeno(1,2,3-cd)pyrene	16.90	276	20726	3.38	nq	# 86
87) Benzo(b)fluoranthene	15.06	252	49210	5.21	nq	# 1
88) Benzo(k)fluoranthene	15.06	252	49210	6.03	nq	# 1
89) Benzo(a)pyrene	15.41	252	24487	3.00	nq	# 1
91) Benzo(g,h,i)perylene	17.33	276	21908	3.28	nq	# 5

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

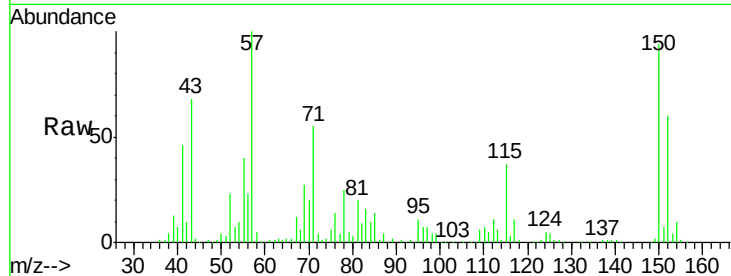


#1

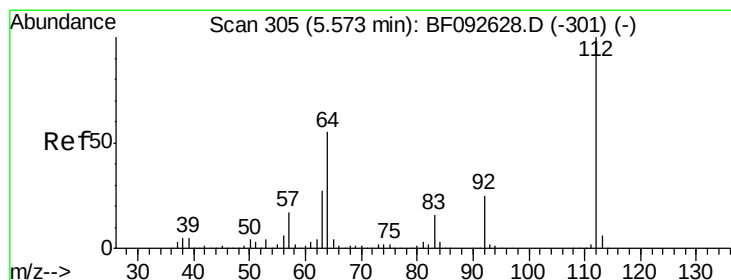
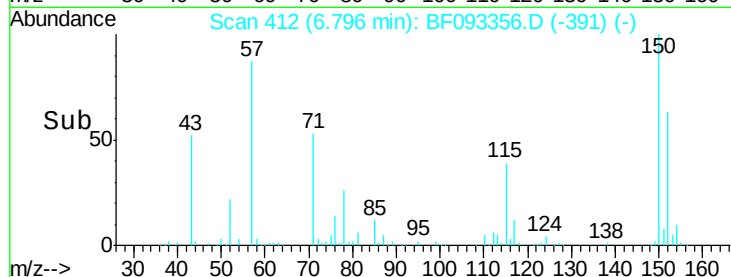
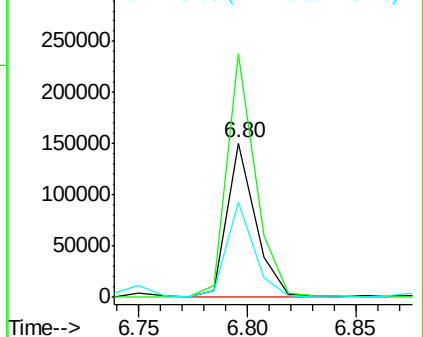
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.06 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

Instrument :
BNA_F
ClientSampleId :
21B-20

Tot Ion:152 Resp: 139074
Ion Ratio Lower Upper
152 100
150 157.8 124.9 187.3
115 61.3 46.0 69.0



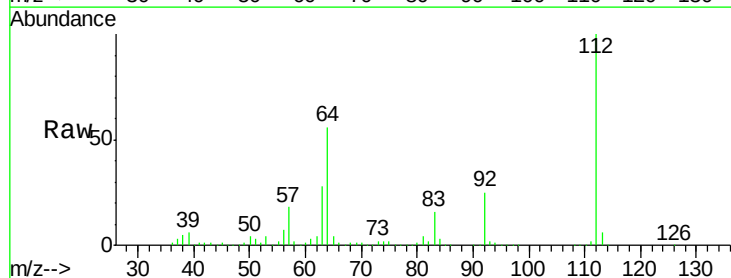
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



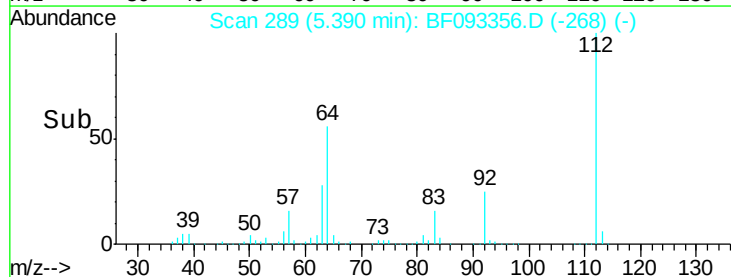
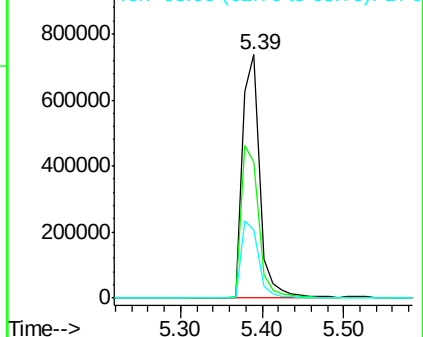
#5

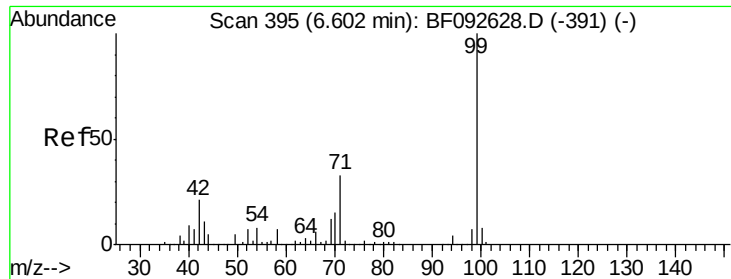
2-Fluorophenol
Concen: 134.61 ng
RT: 5.39 min Scan# 289
Delta R.T. -0.06 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

Tgt Ion:112 Resp: 1091156
Ion Ratio Lower Upper
112 100
64 56.1 46.1 69.1
63 28.0 23.8 35.6



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: 115.54 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

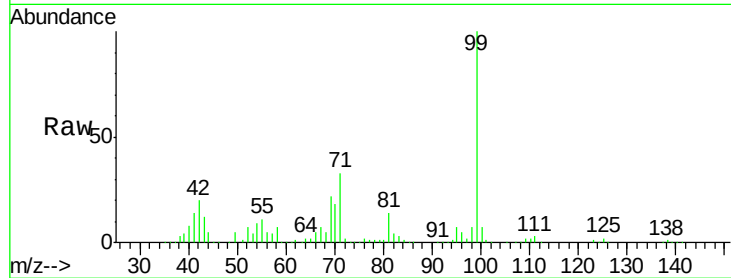
Tot Ion: 99 Resp: 1205106

Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.6	23.4
71	33.1	27.5	41.3

99 100

42 20.2 15.6 23.4

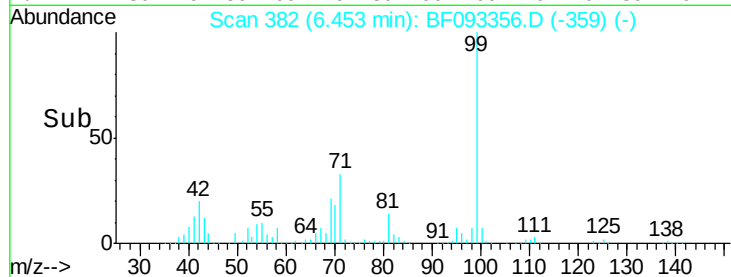
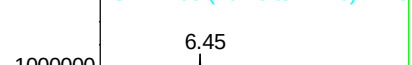
71 33.1 27.5 41.3



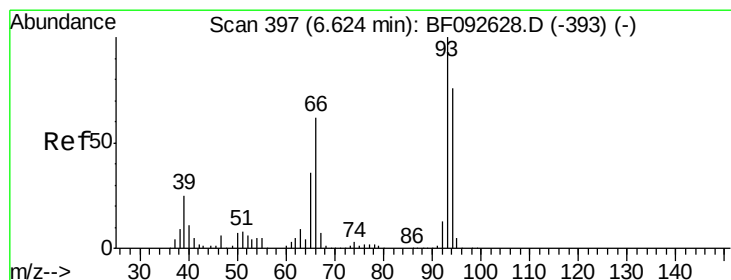
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#10

Phenol

Concen: 5.71 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

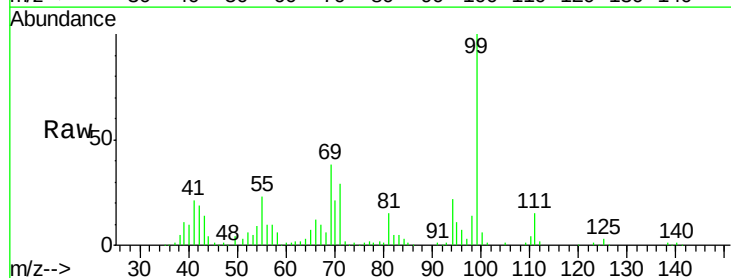
Tgt Ion: 94 Resp: 69639

Ion	Ratio	Lower	Upper
94	100		
65	33.6	21.4	61.4
66	53.8	44.0	84.0

94 100

65 33.6 21.4 61.4

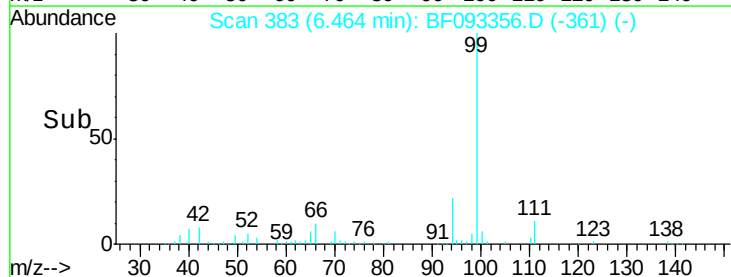
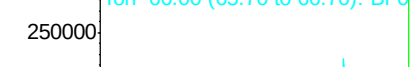
66 53.8 44.0 84.0



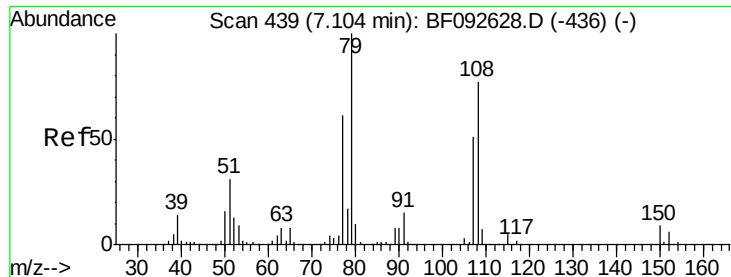
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



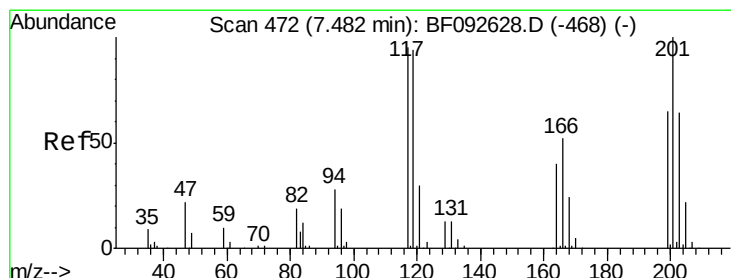
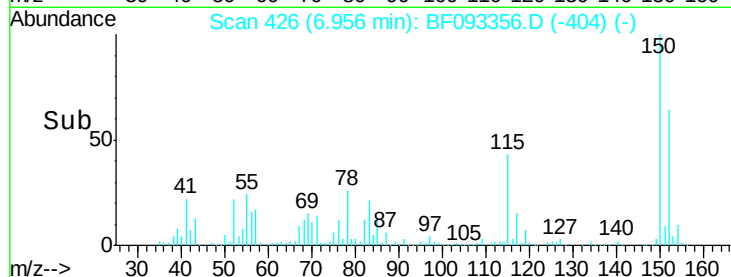
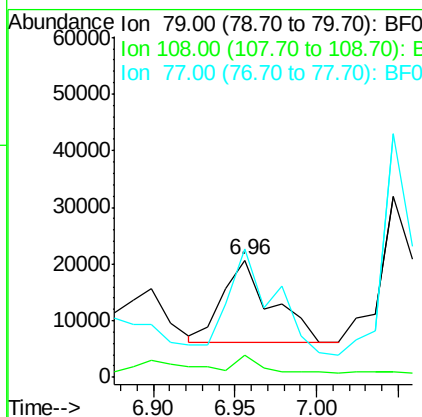
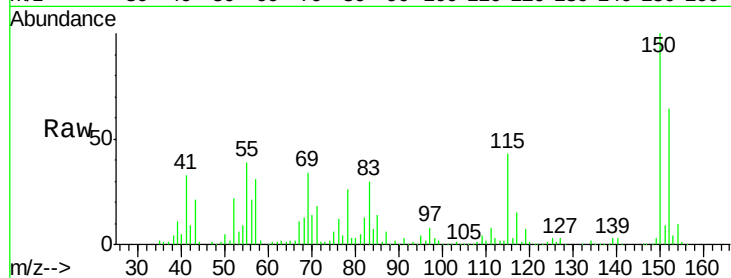
Time-->



#15
Benzyl Alcohol
Concen: 3.87 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.05 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

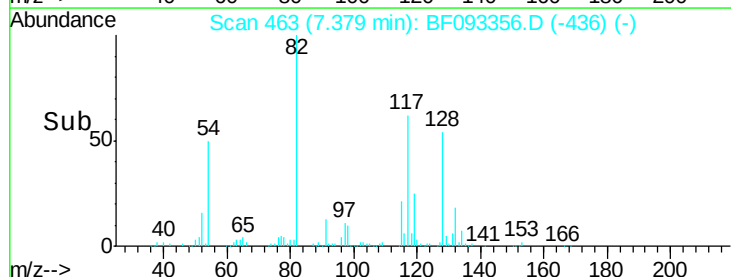
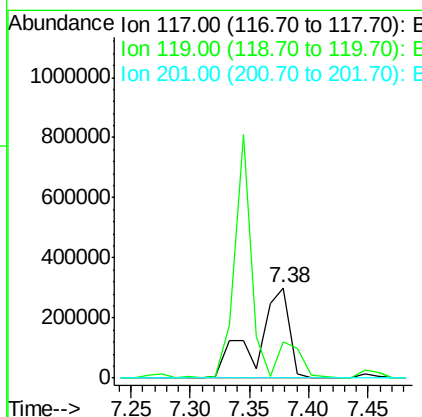
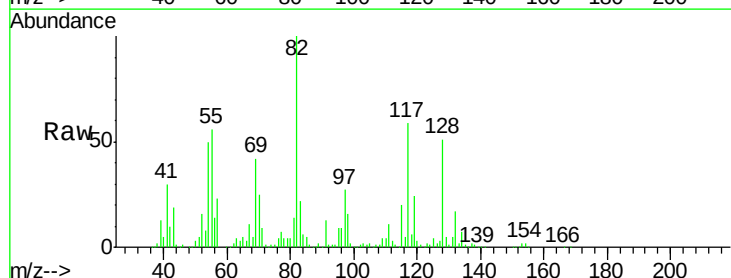
Instrument :
BNA_F
ClientSampleId :
21B-20

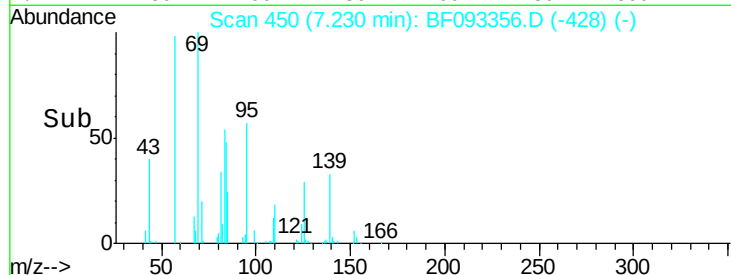
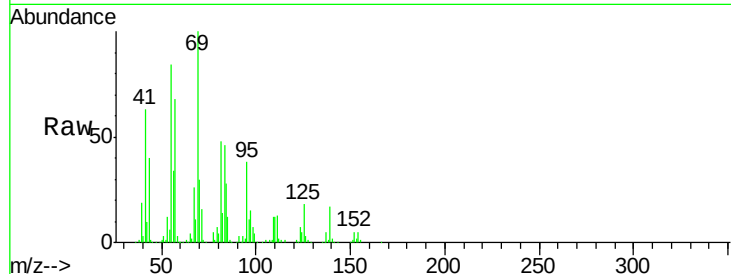
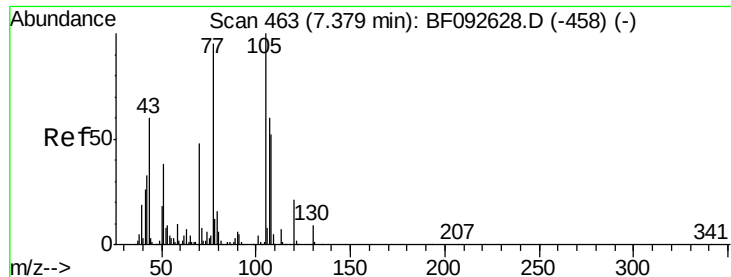
Tot Ion: 79 Resp: 29907
Ion Ratio Lower Upper
79 100
108 19.2 61.4 92.0#
77 109.3 50.9 76.3#



#18
Hexachloroethane
Concen: 161.14 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.01 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

Tgt Ion: 117 Resp: 583160
Ion Ratio Lower Upper
117 100
119 40.6 78.1 117.1#
201 0.0 78.6 117.8#

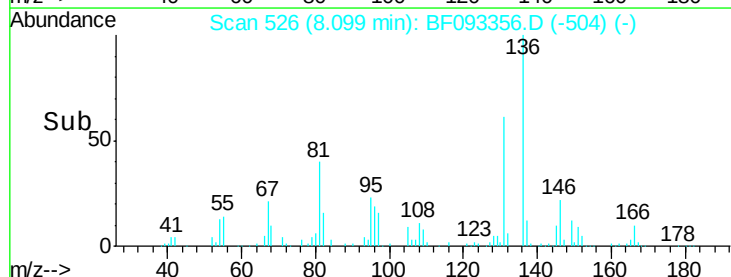
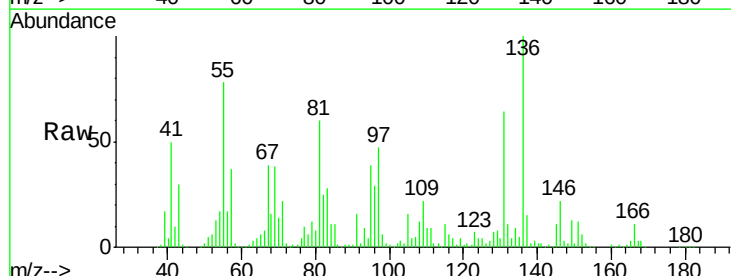
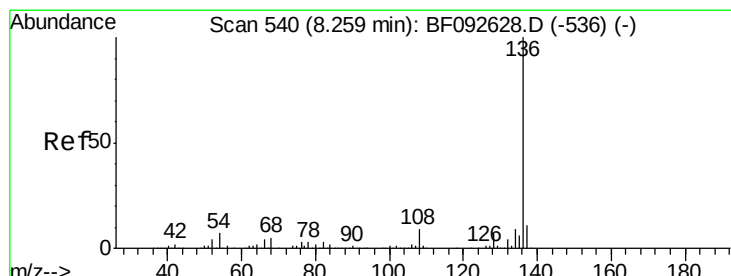
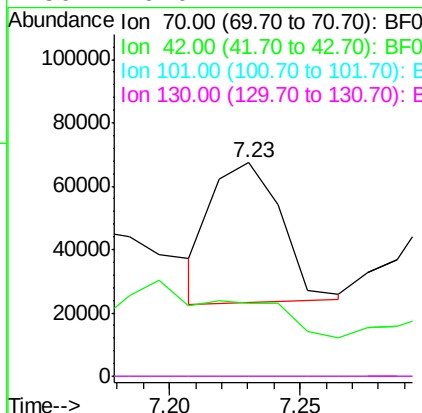




#19
n-Nitroso-di-n-propylamine
Concen: 12.36 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.05 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

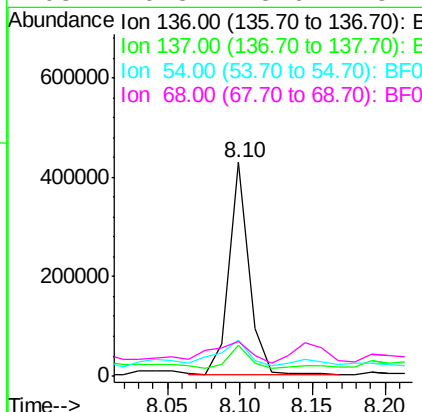
Instrument :
BNA_F
ClientSampleId :
21B-20

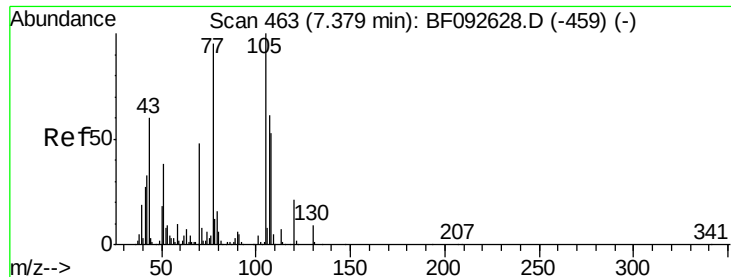
Tot Ion:	70	Resp:	82075
Ion	Ratio	Lower	Upper
70	100		
42	34.0	49.4	74.0#
101	0.0	7.4	11.2#
130	0.0	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

Tgt Ion:	136	Resp:	403876
Ion	Ratio	Lower	Upper
136	100		
137	14.5	8.4	12.6#
54	16.7	4.5	6.7#
68	16.3	3.6	5.4#





#22

Acetophenone

Concen: 34.48 ng

RT: 7.13 min Scan# 441

Delta R.T. -0.14 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

Tot Ion:105 Resp: 317964

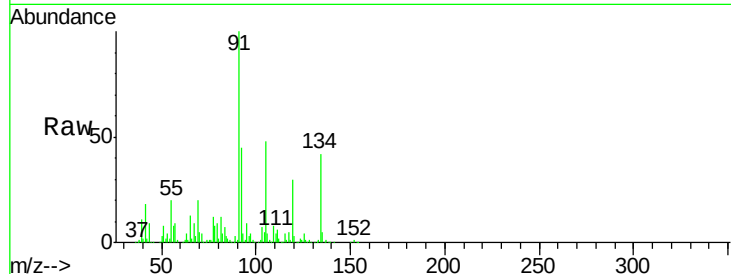
Ion Ratio Lower Upper

105 100

71 8.9 3.2 4.8#

51 16.6 26.2 39.4#

120 5.7 16.6 24.8#



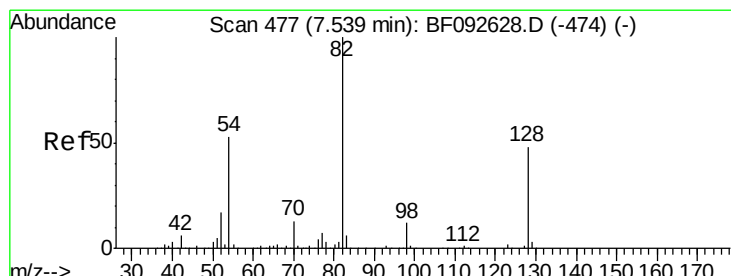
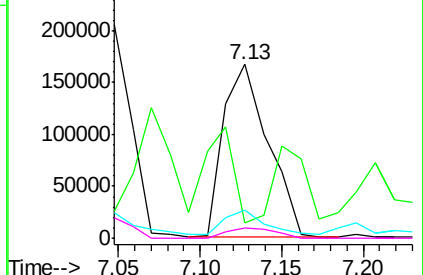
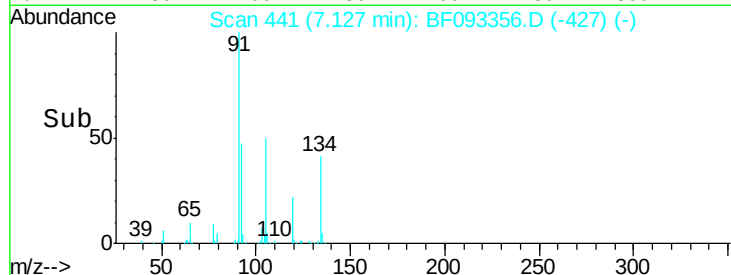
Abundance Ion 105.00 (104.70 to 105.70): E

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: 105.67 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.05 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

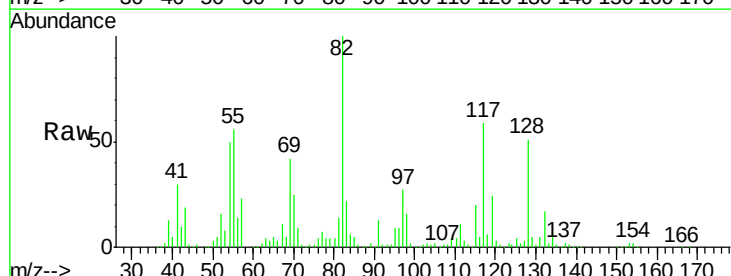
Tgt Ion: 82 Resp: 766365

Ion Ratio Lower Upper

82 100

128 50.8 34.6 52.0

54 50.1 39.5 59.3

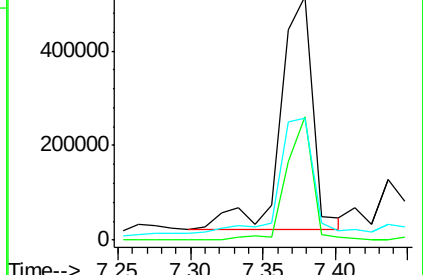
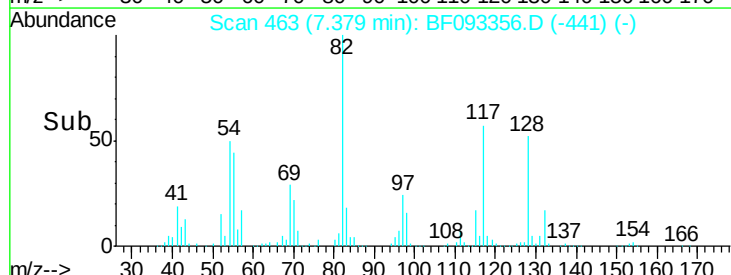


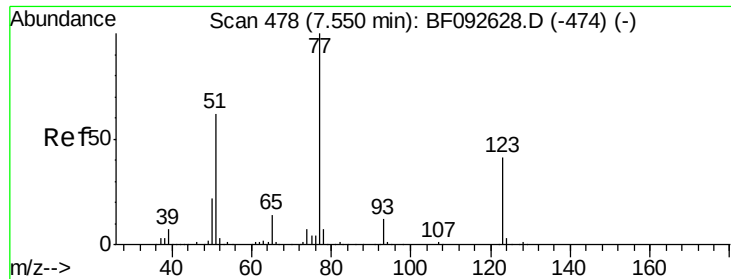
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->





#24

Nitrobenzene

Concen: 6.48 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.00 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

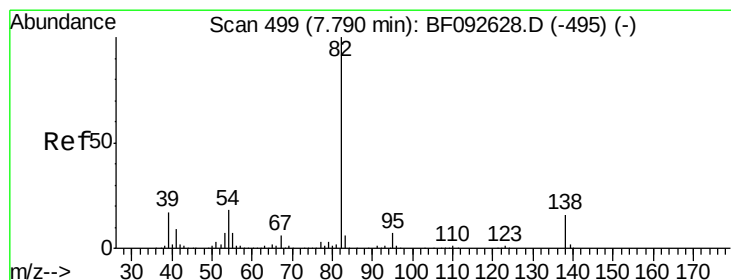
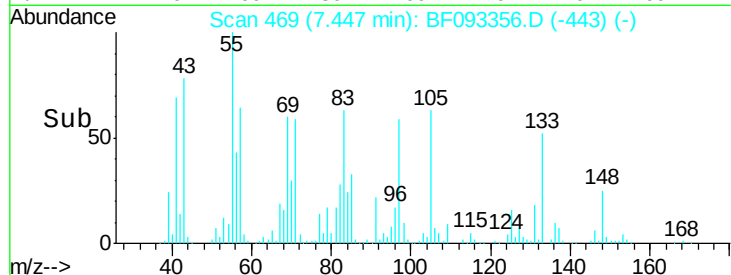
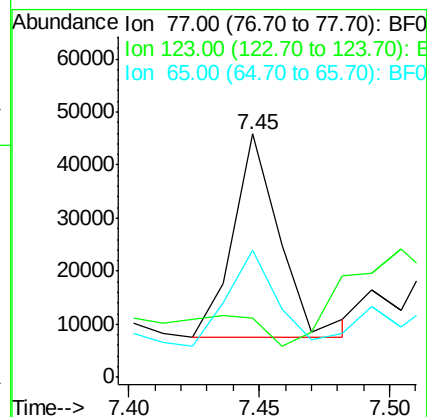
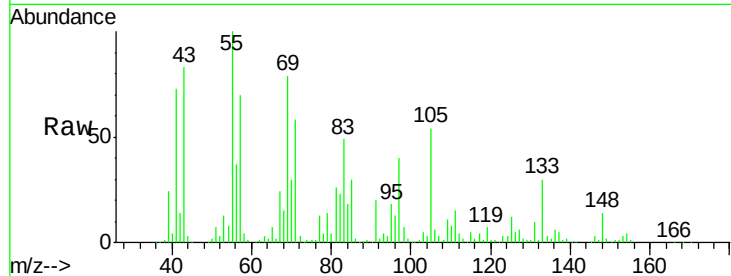
Tot Ion: 77 Resp: 48226

Ion Ratio Lower Upper

77 100

123 24.1 33.0 49.4#

65 52.1 11.2 16.8#



#25

Isophorone

Concen: 14.98 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.07 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

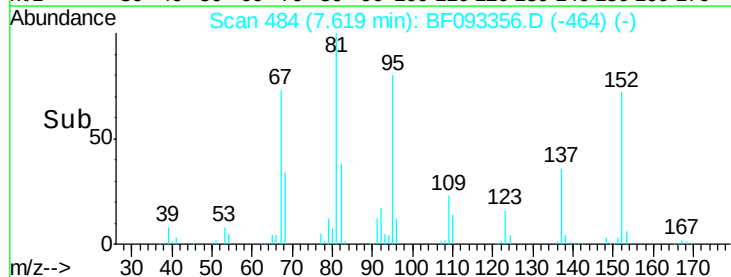
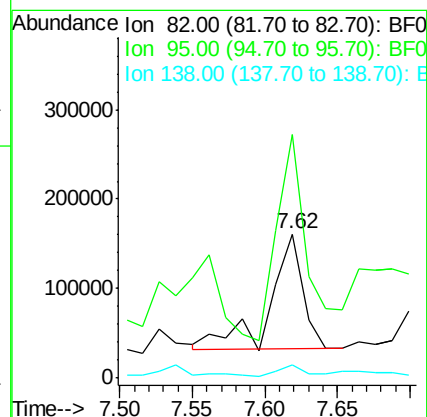
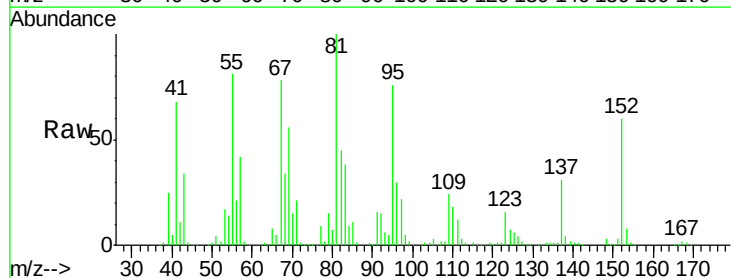
Tgt Ion: 82 Resp: 202435

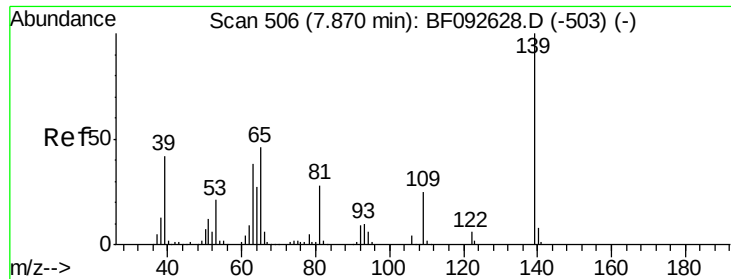
Ion Ratio Lower Upper

82 100

95 169.0 5.6 8.4#

138 9.5 14.6 22.0#





#26

2-Nitrophenol

Concen: 11.89 ng

RT: 7.77 min Scan# 497

Delta R.T. 0.01 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

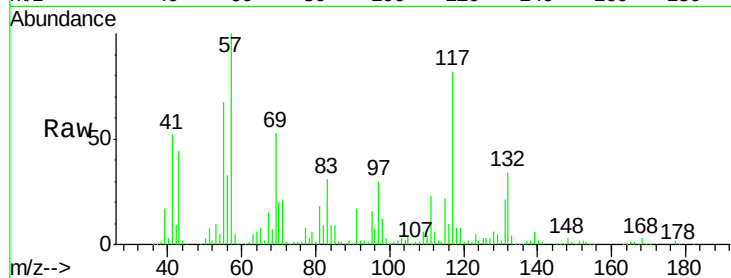
Tot Ion:139 Resp: 42096

Ion Ratio Lower Upper

139 100

109 103.3 23.3 34.9#

65 125.6 42.7 64.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

Time-->

7.65 7.70 7.75 7.80

7.77

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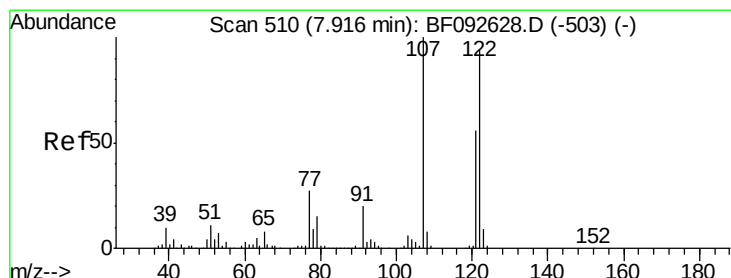
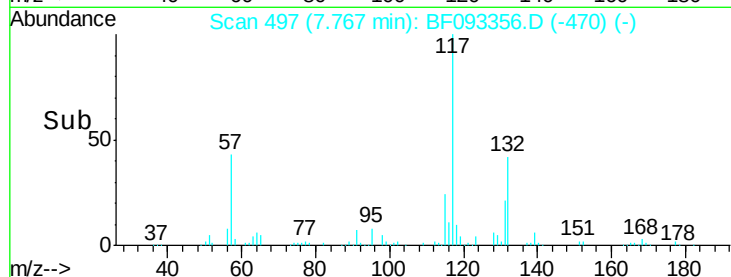
7.77

7.77

7.77

7.77

7.77



#27

2,4-Dimethylphenol

Concen: 4.93 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.06 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

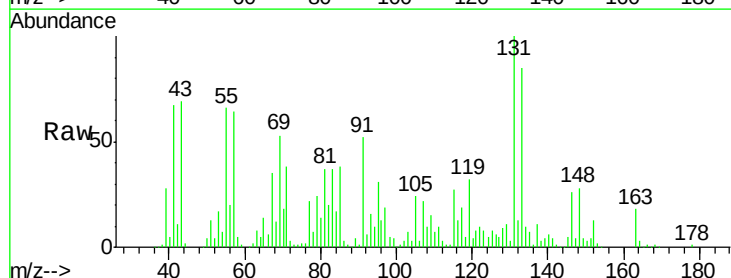
Tgt Ion:122 Resp: 30624

Ion Ratio Lower Upper

122 100

107 226.2 94.1 141.1#

121 82.0 46.0 69.0#



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

Time-->

7.60 7.70 7.80

7.74

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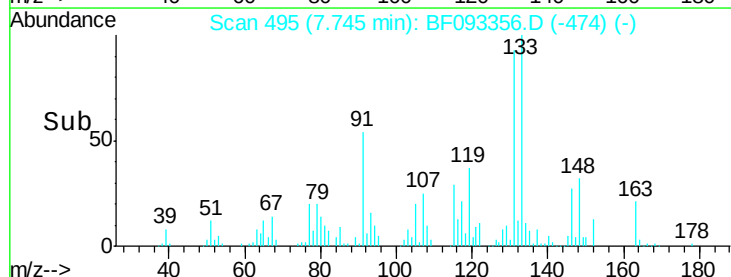
7.74

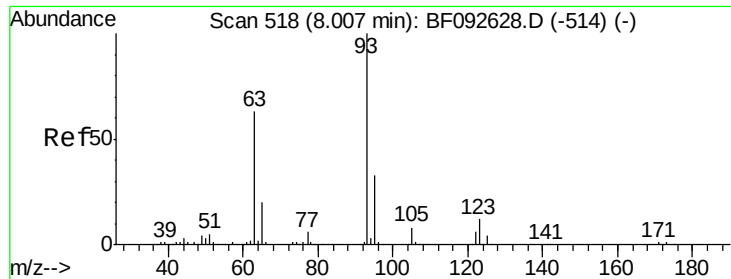
7.74

7.74

7.74

7.74





#28

bis(2-Chloroethoxy)methane

Concen: 2.84 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.05 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

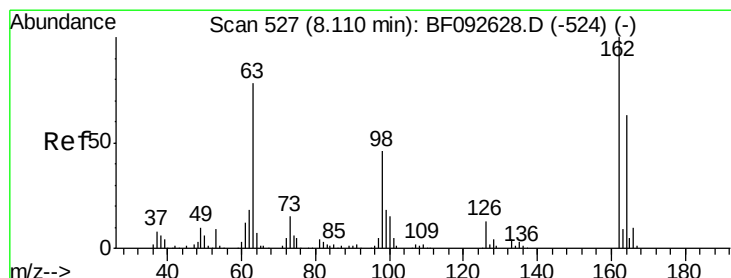
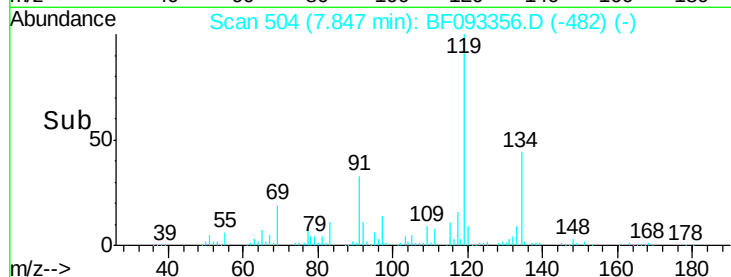
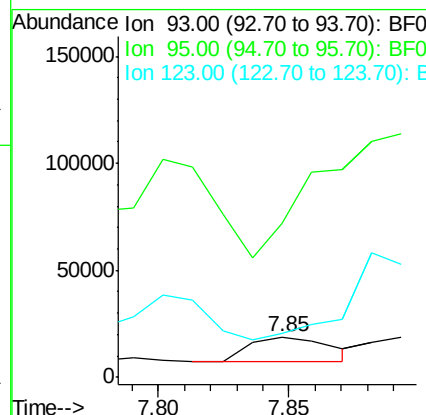
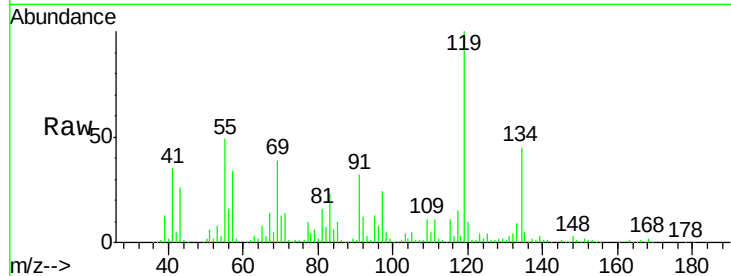
Tot Ion: 93 Resp: 25453

Ion Ratio Lower Upper

93 100

95 382.3 26.5 39.7#

123 109.2 8.6 13.0#



#29

2,4-Dichlorophenol

Concen: 6.05 ng

RT: 7.94 min Scan# 512

Delta R.T. -0.07 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

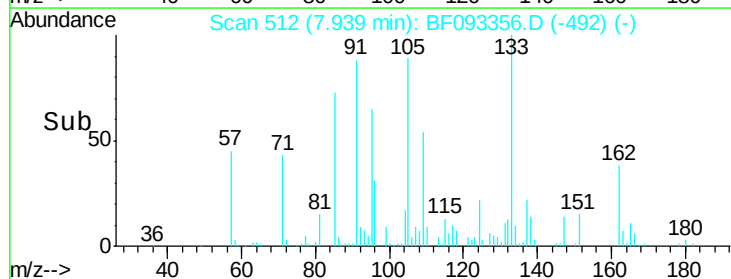
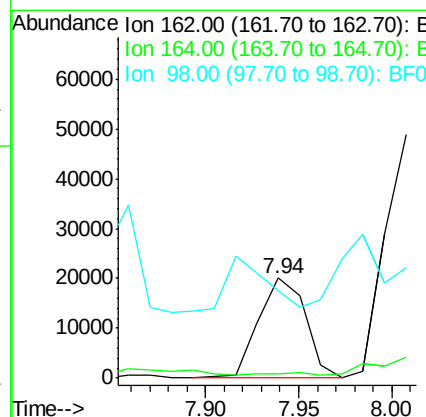
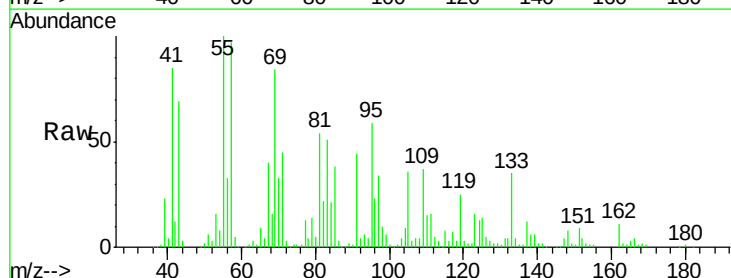
Tgt Ion: 162 Resp: 35074

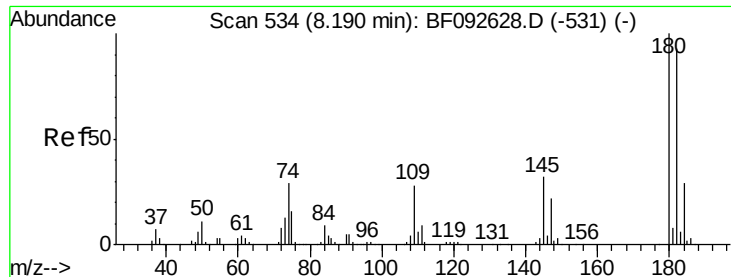
Ion Ratio Lower Upper

162 100

164 4.5 46.8 86.8#

98 86.9 9.1 49.1#

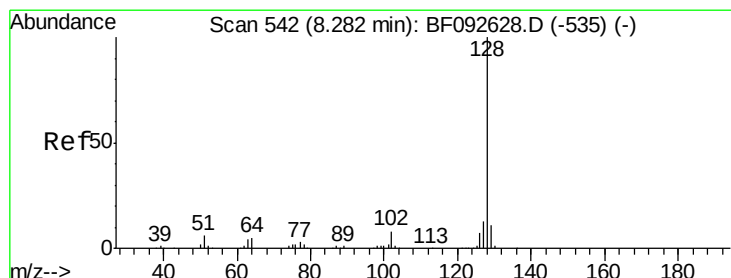
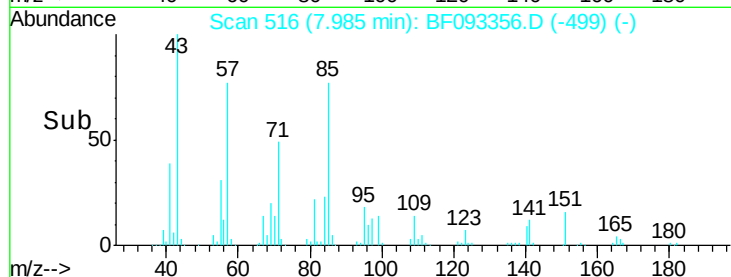
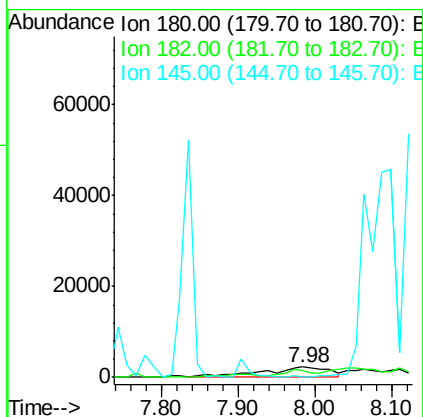
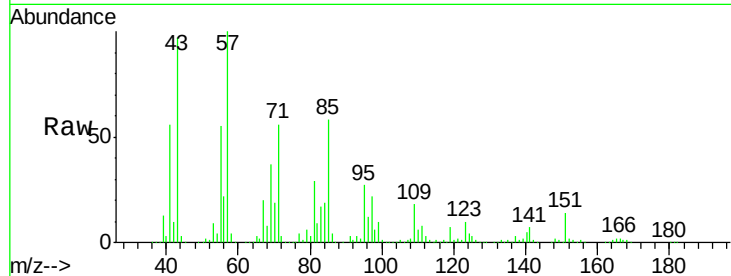




#30
 1,2,4-Trichlorobenzene
 Concen: 2.23 ng
 RT: 7.98 min Scan# 516
 Delta R.T. -0.10 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

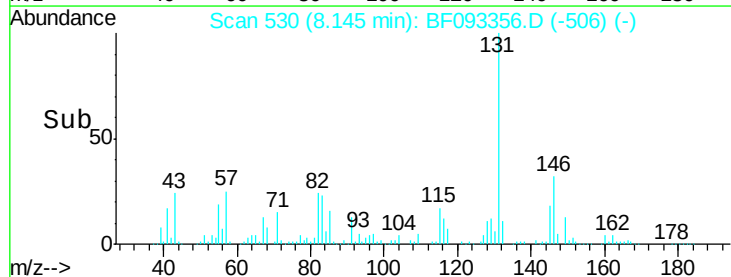
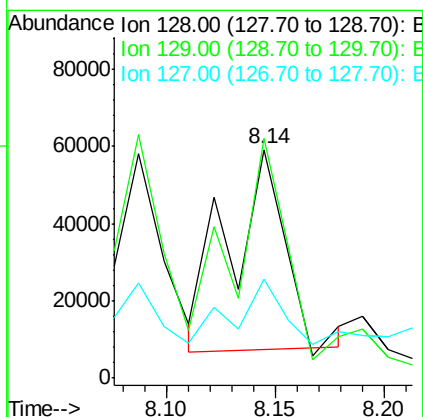
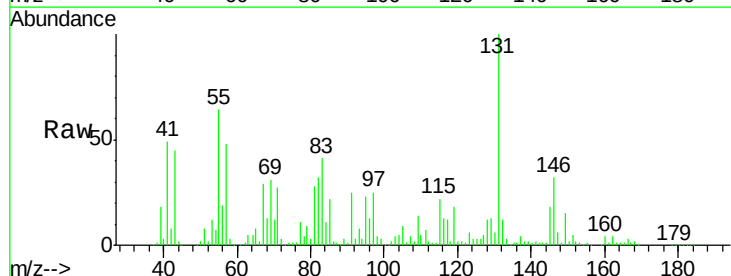
Instrument :
 BNA_F
 ClientSampleId :
 21B-20

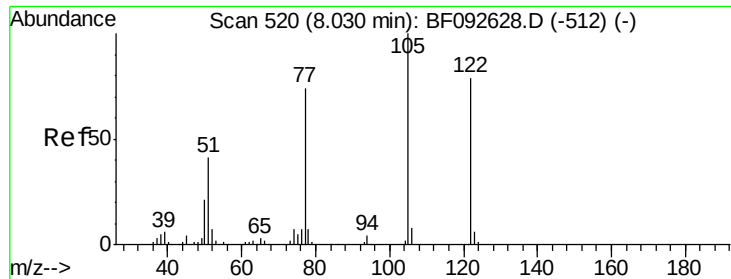
Tot Ion:180 Resp: 13910
 Ion Ratio Lower Upper
 180 100
 182 69.0 78.2 117.4#
 145 0.0 21.6 32.4#



#31
 Naphthalene
 Concen: 4.56 ng
 RT: 8.14 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

Tgt Ion:128 Resp: 93340
 Ion Ratio Lower Upper
 128 100
 129 105.0 9.5 14.3#
 127 43.1 10.8 16.2#





#32

Benzoic acid

Concen: 13.25 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.05 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

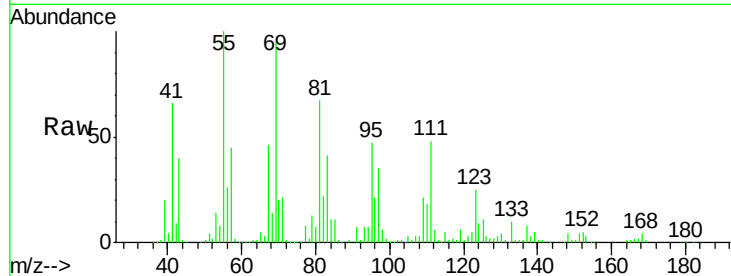
Tot Ion:122 Resp: 25211

Ion Ratio Lower Upper

122 100

105 68.9 107.2 147.2#

77 171.9 74.5 114.5#

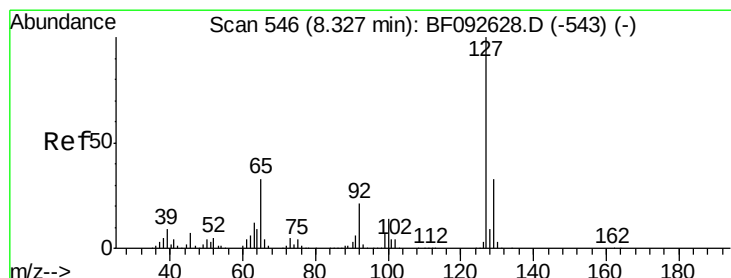
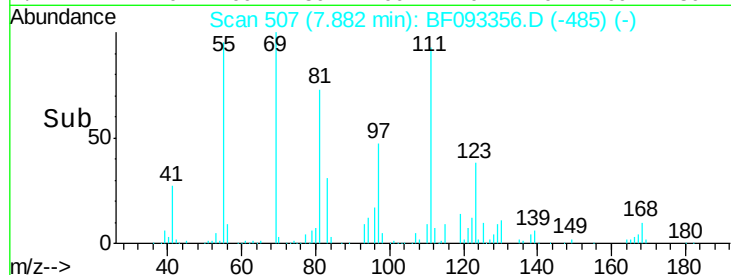
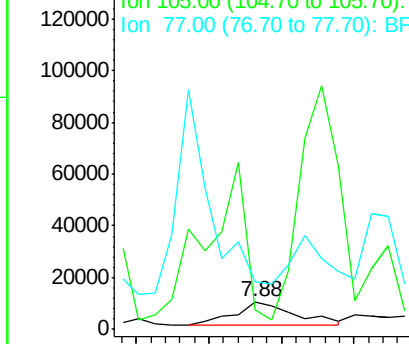


Abundance

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: 5.14 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.07 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Tgt Ion:127 Resp: 41298

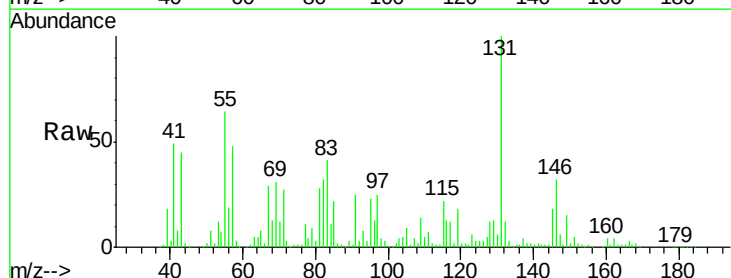
Ion Ratio Lower Upper

127 100

129 243.6 26.3 39.5#

65 157.1 25.8 38.8#

92 55.6 16.1 24.1#



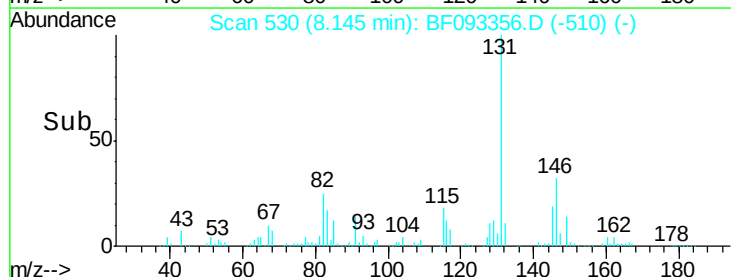
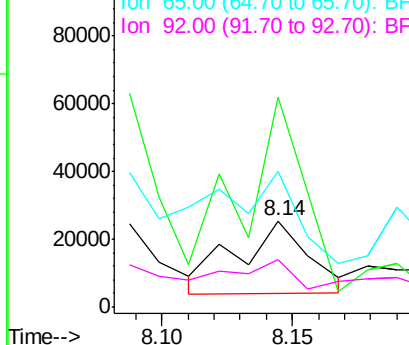
Abundance

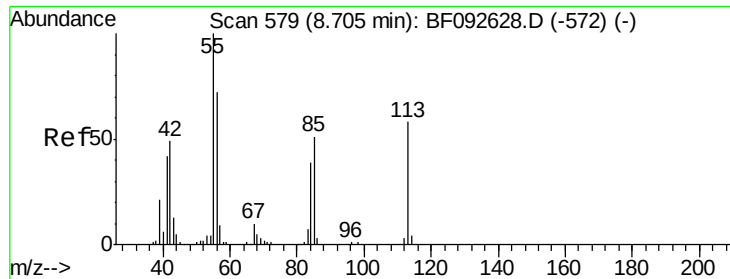
Ion 127.00 (126.70 to 127.70): E

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

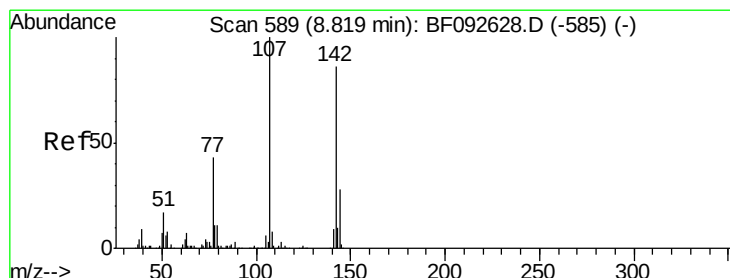
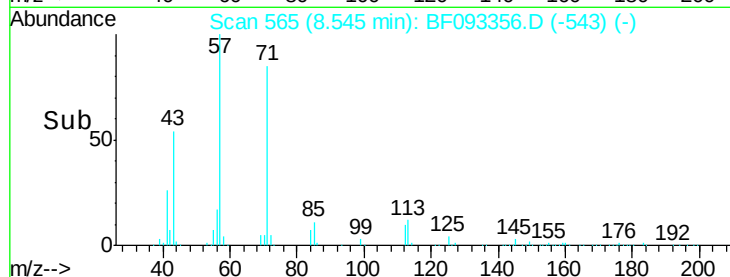
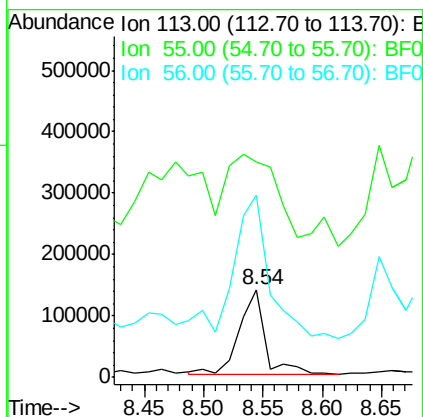
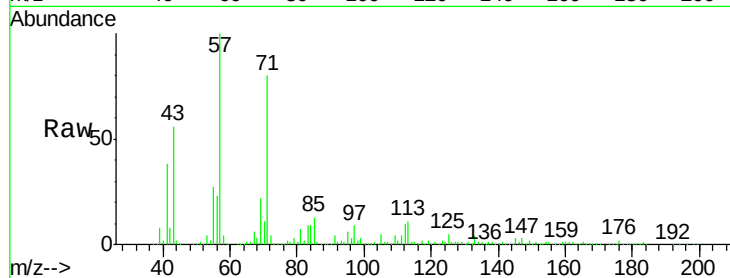




#35
 Caprolactam
 Concen: 114.11 ng
 RT: 8.54 min Scan# 565
 Delta R.T. -0.05 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

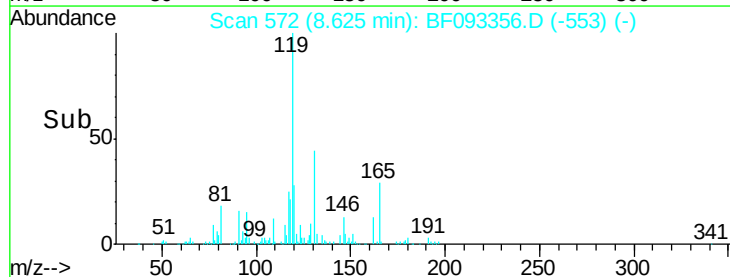
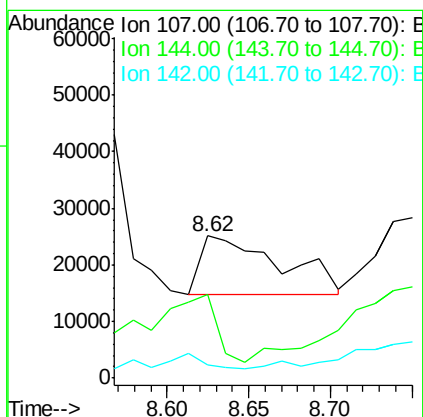
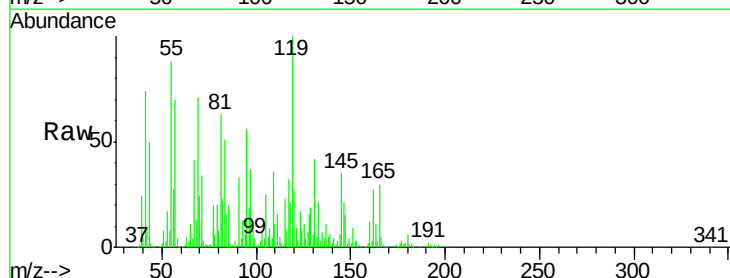
Instrument :
 BNA_F
 ClientSampleId :
 21B-20

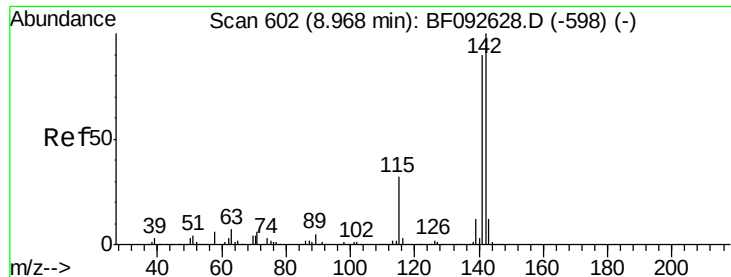
Tot Ion:113 Resp: 208114
 Ion Ratio Lower Upper
 113 100
 55 245.8 119.2 159.2#
 56 207.8 83.8 123.8#



#36
 4-Chloro-3-methylphenol
 Concen: 5.86 ng
 RT: 8.62 min Scan# 572
 Delta R.T. -0.08 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

Tgt Ion:107 Resp: 35450
 Ion Ratio Lower Upper
 107 100
 144 59.1 19.3 28.9#
 142 9.1 59.0 88.6#

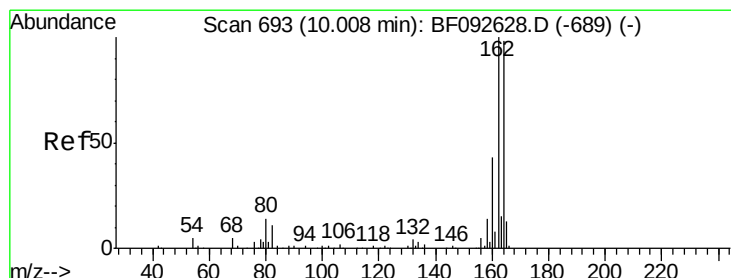
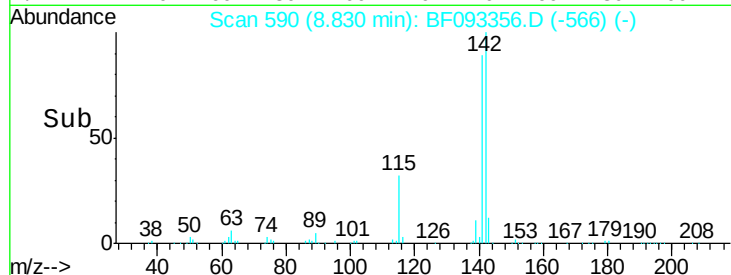
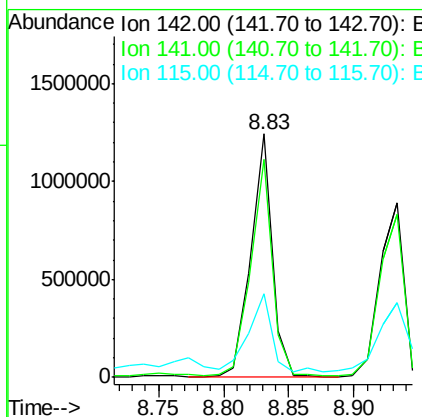
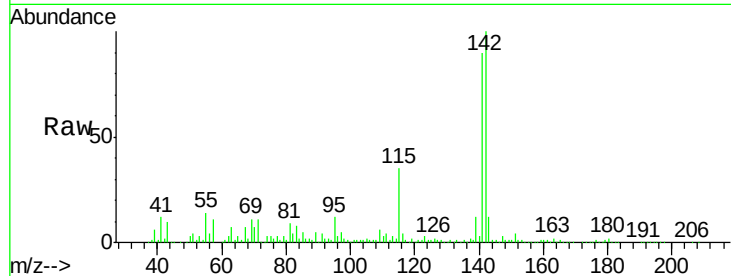




#37
2-Methylnaphthalene
Concen: 108.03 ng
RT: 8.83 min Scan# 590
Delta R.T. -0.02 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

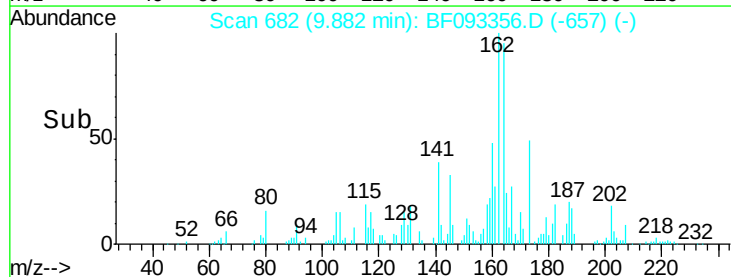
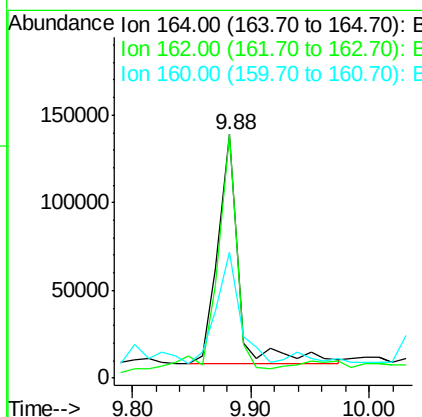
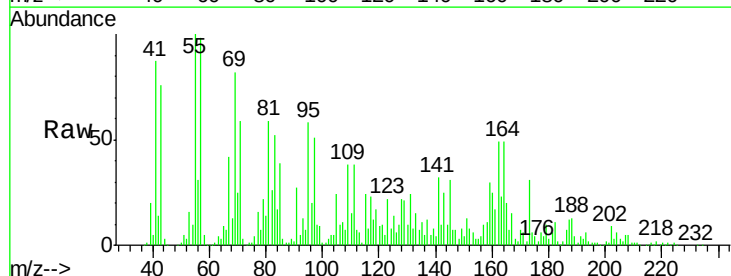
Instrument :
BNA_F
ClientSampleId :
21B-20

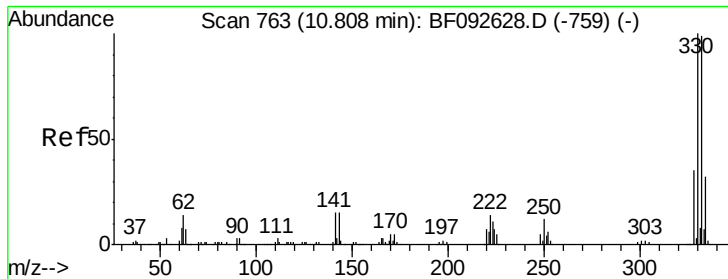
Tot Ion:142 Resp: 1420113
Ion Ratio Lower Upper
142 100
141 89.7 71.0 106.6
115 34.6 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

Tgt Ion:164 Resp: 158195
Ion Ratio Lower Upper
164 100
162 99.9 80.2 120.2
160 51.5 36.9 55.3

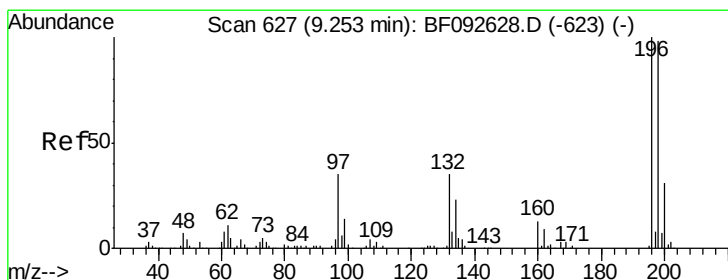
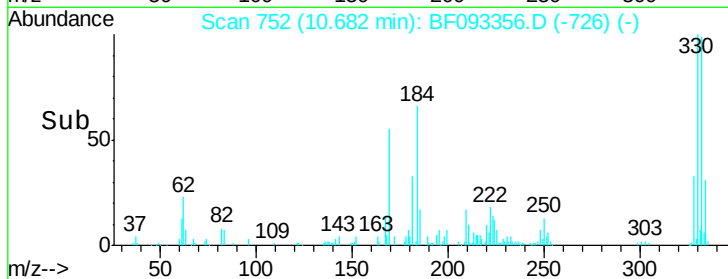
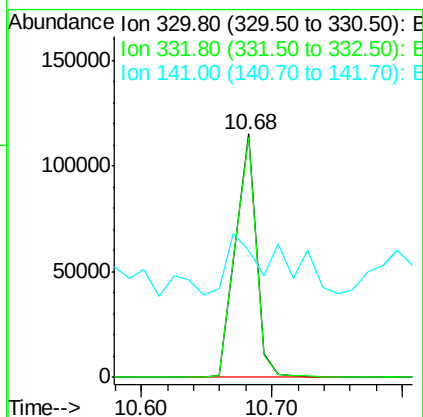
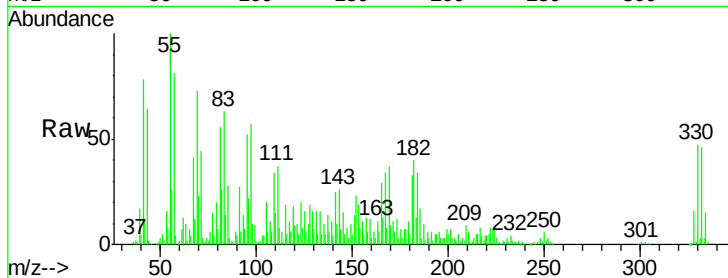




#41
 2,4,6-Tribromophenol
 Concen: 110.97 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

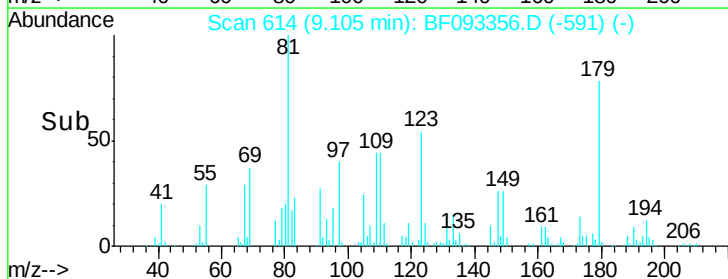
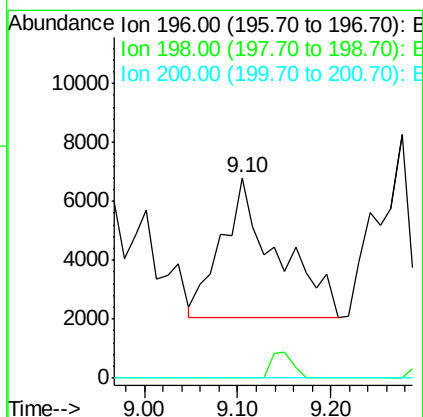
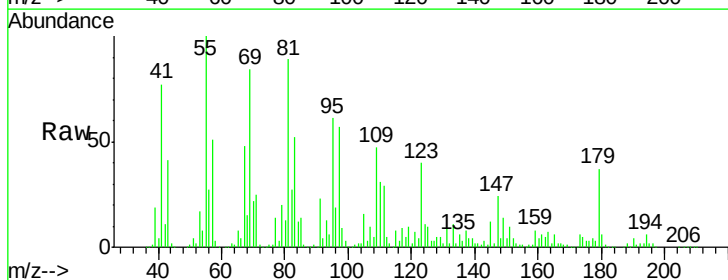
Instrument :
 BNA_F
 ClientSampleId :
 21B-20

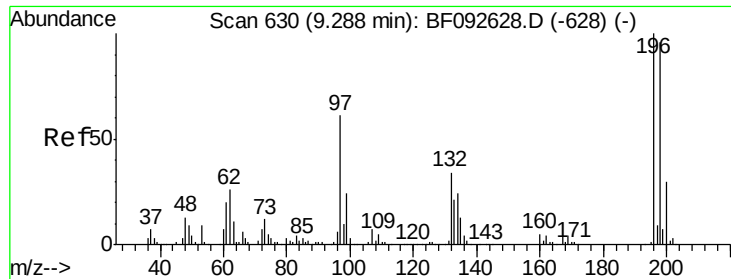
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.4	116.2
141	33.2	34.1	51.1#



#42
 2,4,6-Trichlorophenol
 Concen: 6.77 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

Tgt Ion	Ratio	Lower	Upper
196	100		
198	0.0	82.1	123.1#
200	0.0	27.0	40.4#

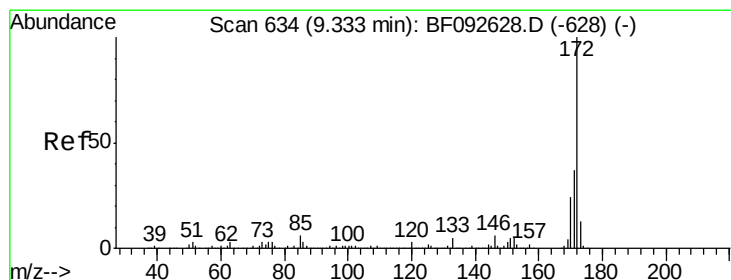
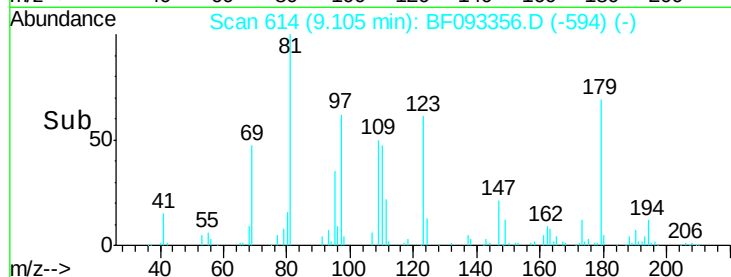
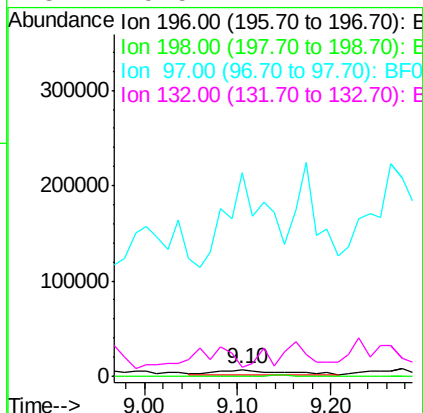
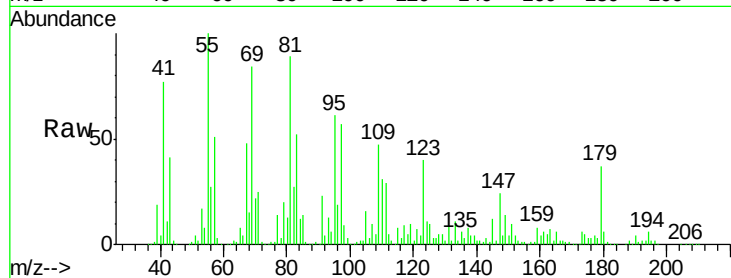




#43
 2,4,5-Trichlorophenol
 Concen: 6.18 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.07 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

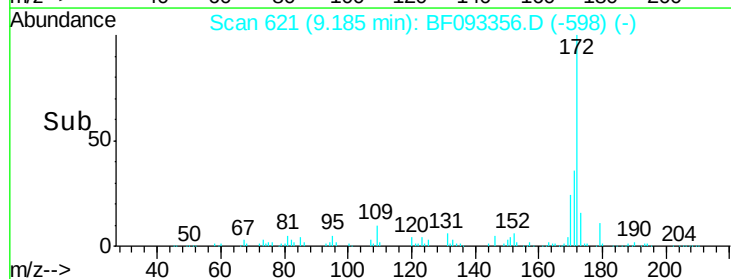
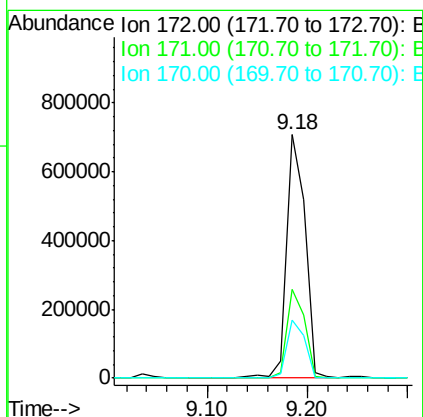
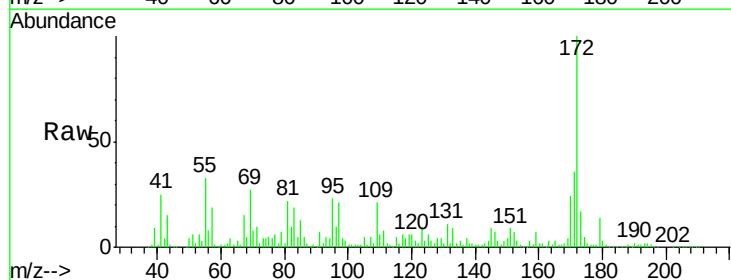
Instrument :
 BNA_F
 ClientSampled :
 21B-20

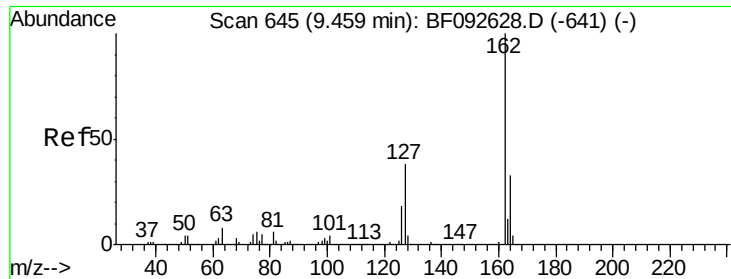
Tot Ion:196 Resp: 19765
 Ion Ratio Lower Upper
 196 100
 198 0.0 79.4 119.2#
 97 3128.5 51.5 77.3#
 132 129.5 27.4 41.2#



#44
 2-Fluorobiphenyl
 Concen: 103.43 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.03 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

Tgt Ion:172 Resp: 903151
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 23.8 20.2 30.4

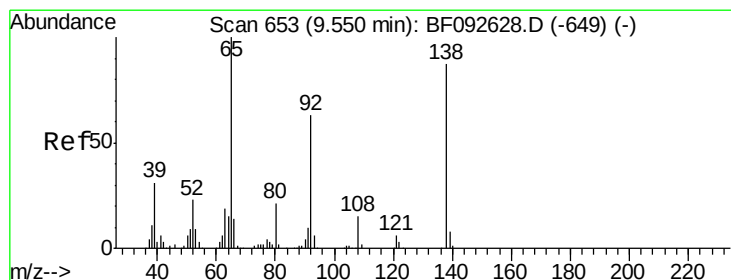
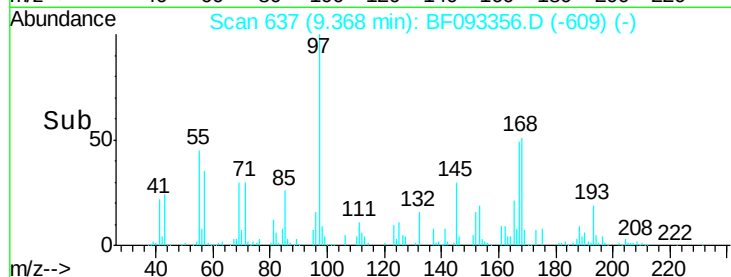
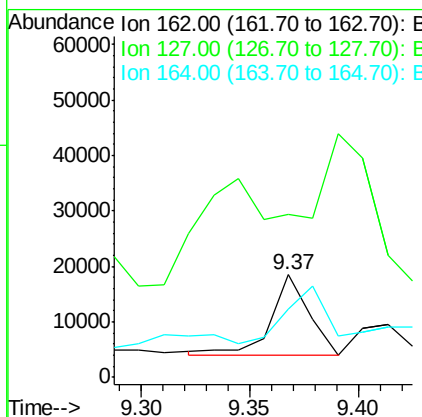
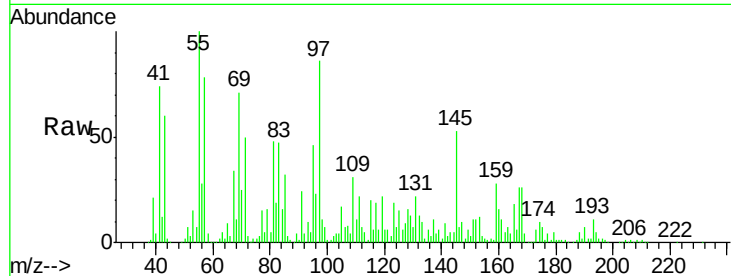




#46
 2-Chloronaphthalene
 Concen: 2.01 ng
 RT: 9.37 min Scan# 637
 Delta R.T. 0.02 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

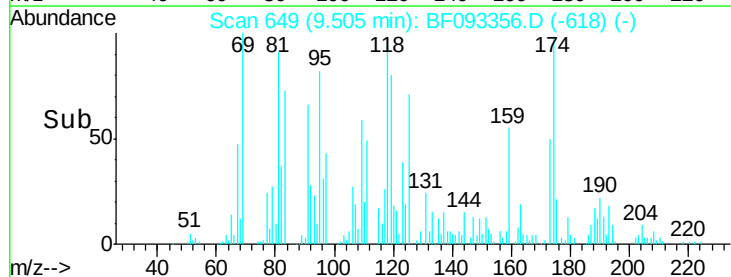
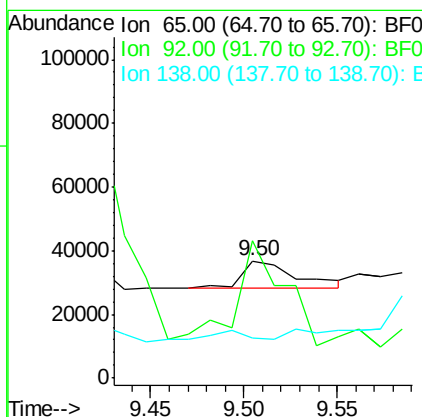
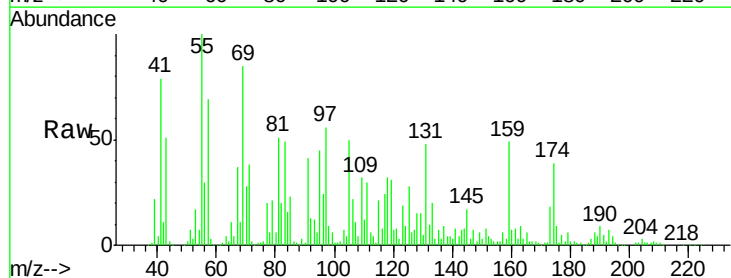
Instrument :
 BNA_F
 ClientSampled :
 21B-20

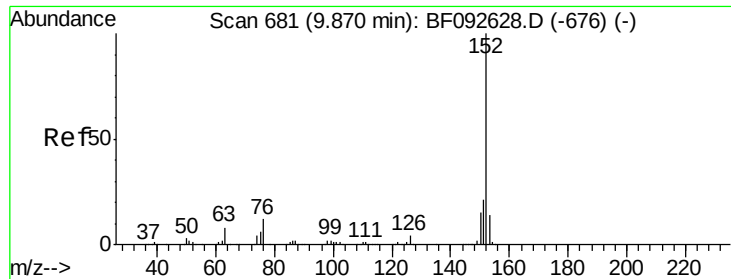
Tot Ion:162 Resp: 18049
 Ion Ratio Lower Upper
 162 100
 127 159.5 30.7 46.1#
 164 66.7 27.6 41.4#



#47
 2-Nitroaniline
 Concen: 5.70 ng
 RT: 9.50 min Scan# 649
 Delta R.T. 0.06 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

Tgt Ion: 65 Resp: 17176
 Ion Ratio Lower Upper
 65 100
 92 118.1 53.9 80.9#
 138 33.8 76.8 115.2#





#48

Acenaphthylene

Concen: 4.26 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

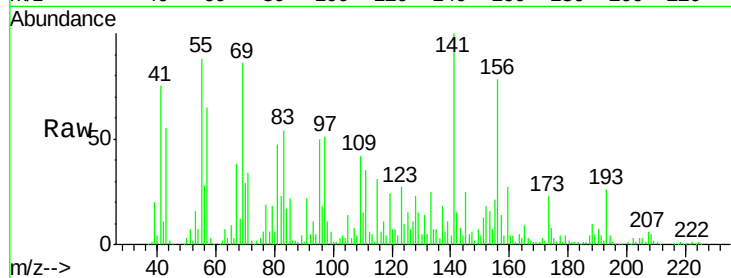
Tot Ion:152 Resp: 65937

Ion Ratio Lower Upper

152 100

151 71.6 16.9 25.3#

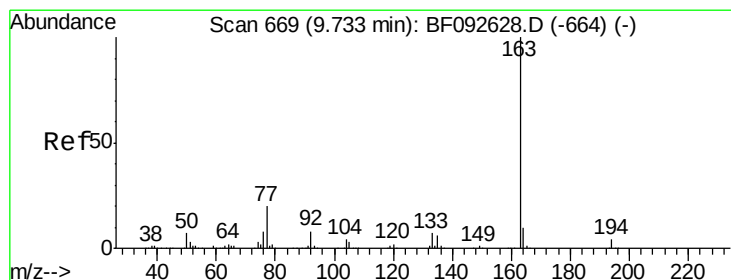
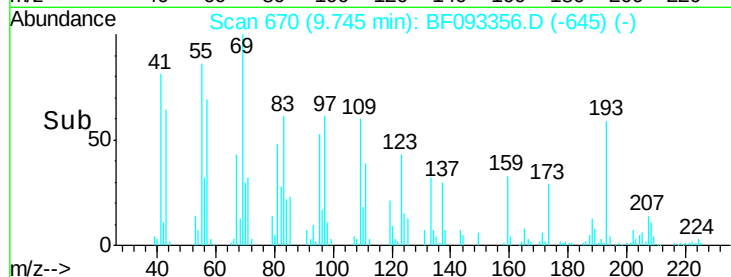
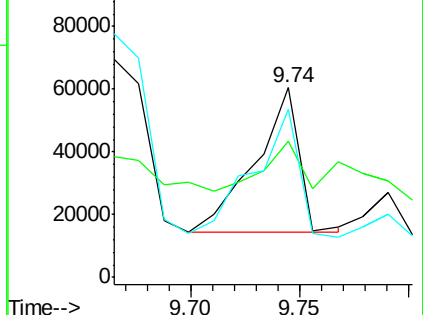
153 88.9 11.4 17.2#



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: 9.00 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

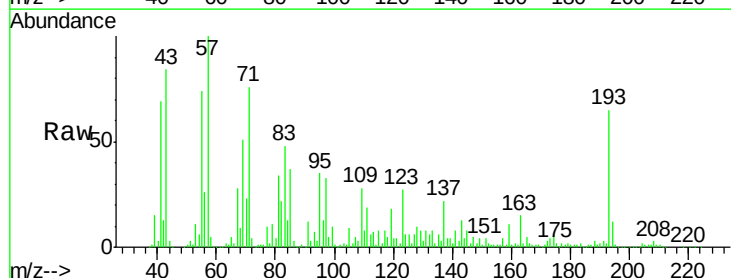
Tgt Ion:163 Resp: 95943

Ion Ratio Lower Upper

163 100

194 81.0 3.0 4.4#

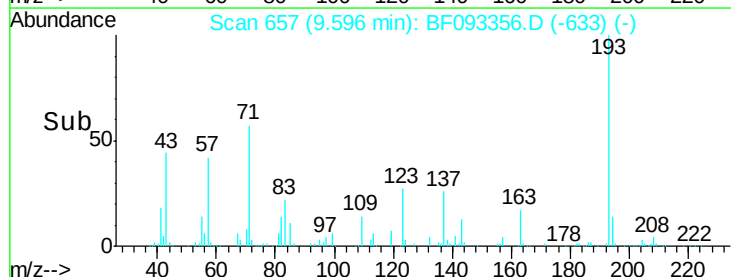
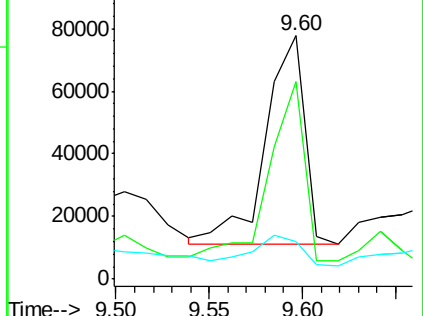
164 15.7 8.0 12.0#

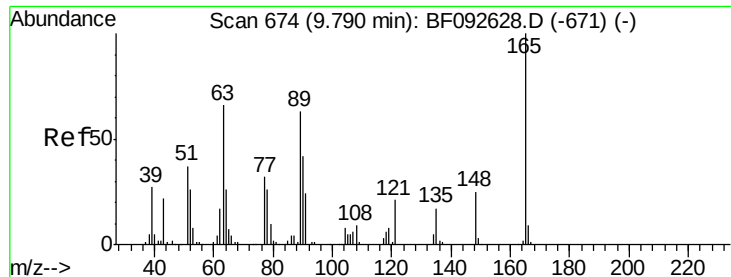


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

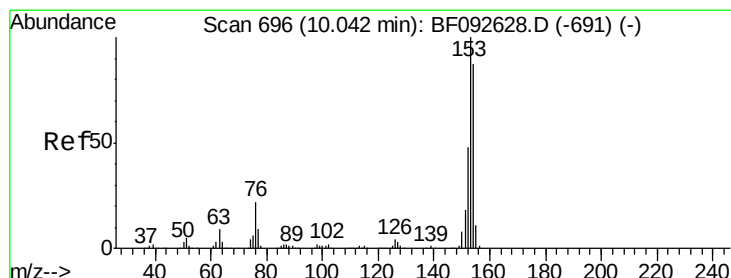
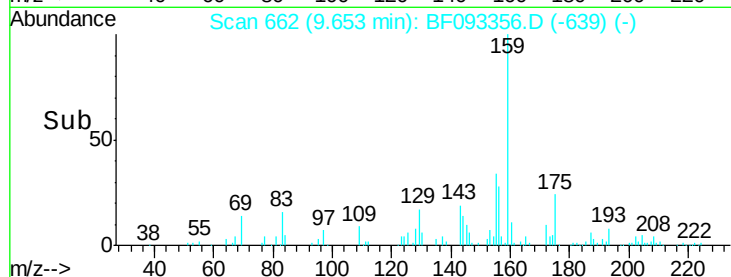
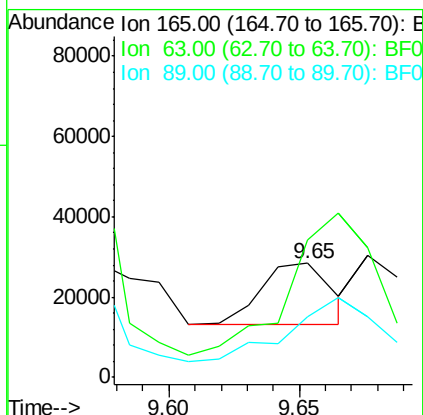
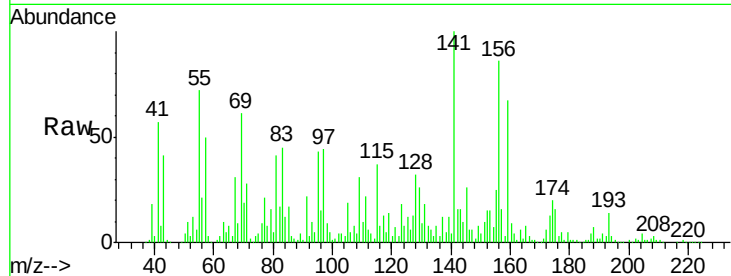




#50
2,6-Dinitrotoluene
Concen: 12.17 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.03 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

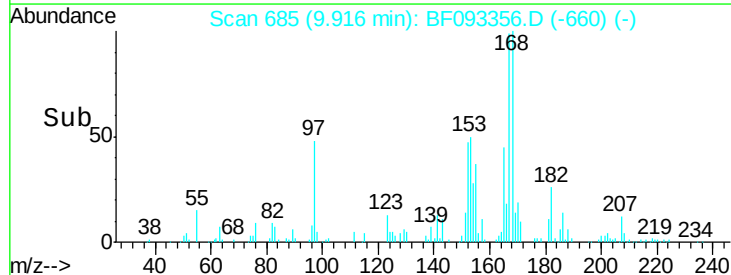
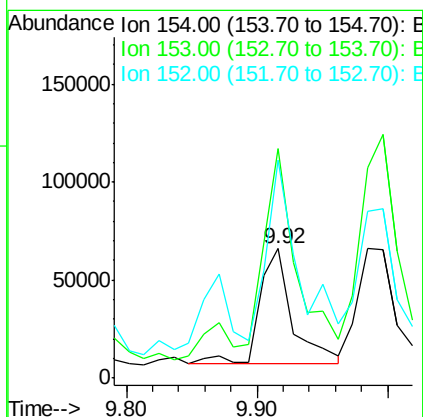
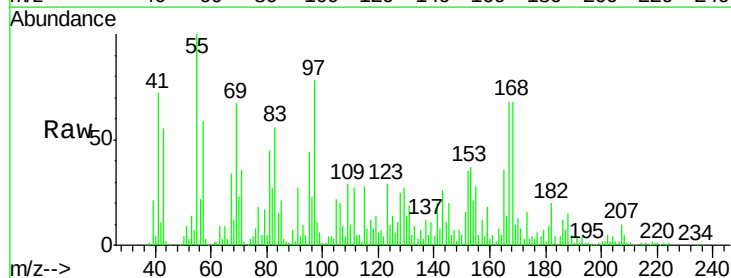
Instrument :
BNA_F
ClientSampleId :
21B-20

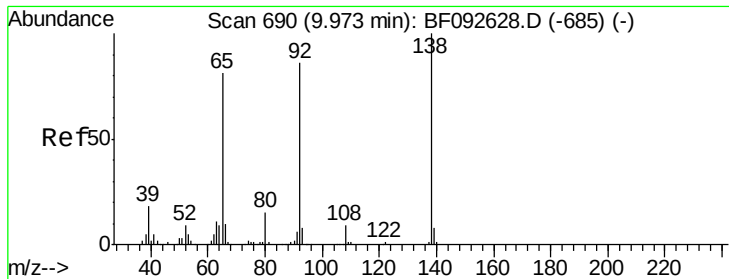
Tot Ion:165 Resp: 28005
Ion Ratio Lower Upper
165 100
63 121.2 36.2 54.4#
89 53.6 40.2 60.4



#51
Acenaphthene
Concen: 11.25 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

Tgt Ion:154 Resp: 104109
Ion Ratio Lower Upper
154 100
153 176.8 88.6 133.0#
152 168.5 41.6 62.4#





#52

3-Nitroaniline

Concen: 12.25 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.03 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampled :

21B-20

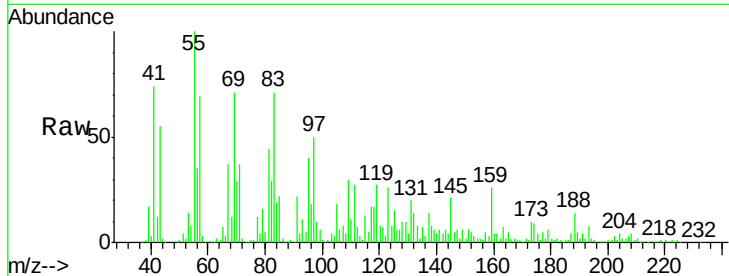
Tot Ion:138 Resp: 32266

Ion Ratio Lower Upper

138 100

108 57.6 8.5 12.7#

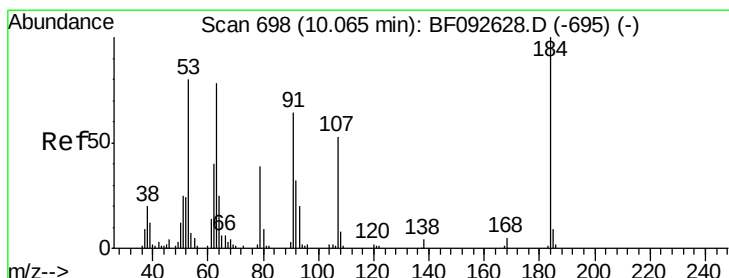
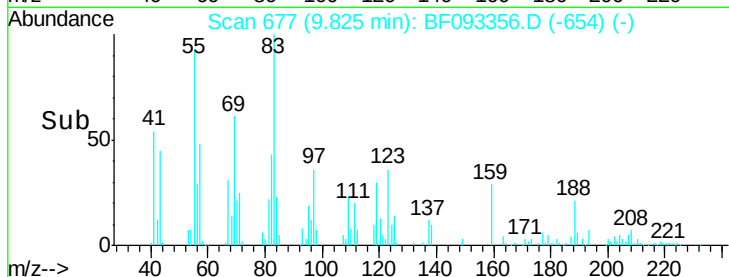
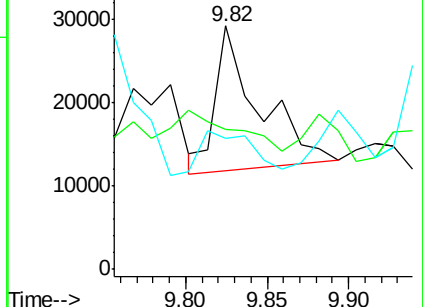
92 53.6 97.8 146.8#



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: 9.51 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

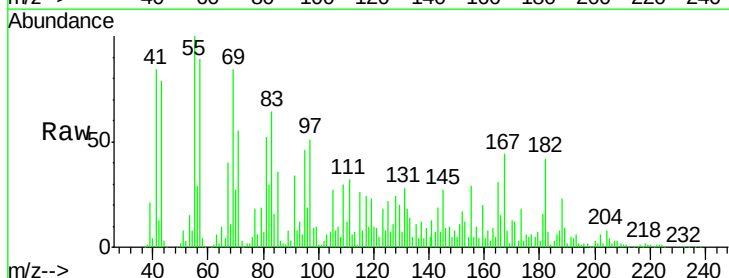
Tgt Ion:184 Resp: 5937

Ion Ratio Lower Upper

184 100

63 848.5 28.4 42.6#

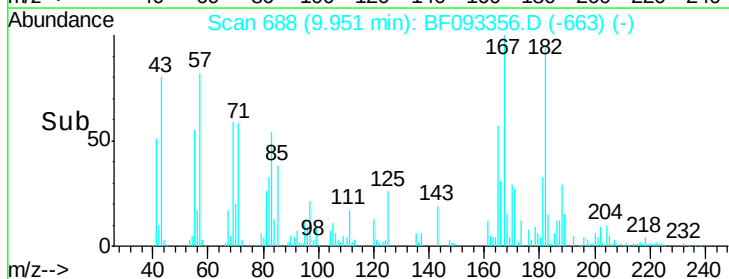
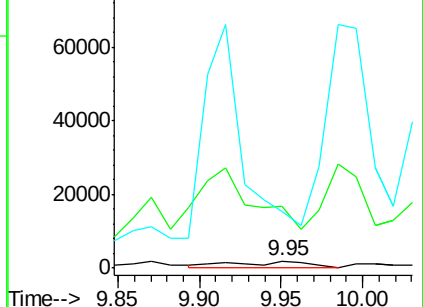
154 773.5 44.3 66.5#

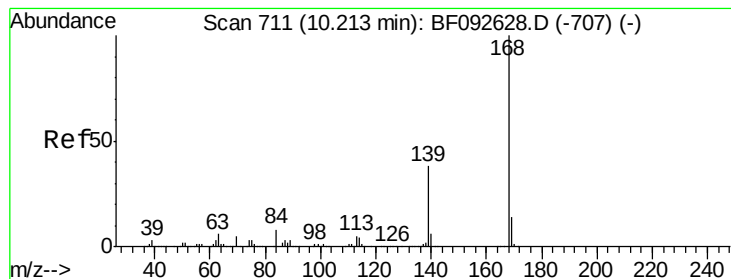


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 6.77 ng

RT: 10.09 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

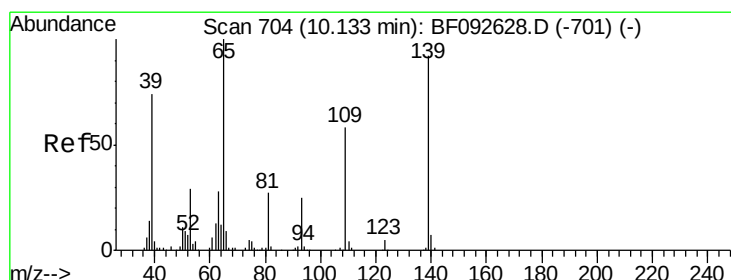
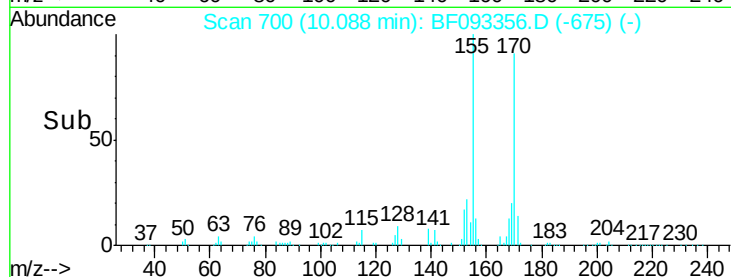
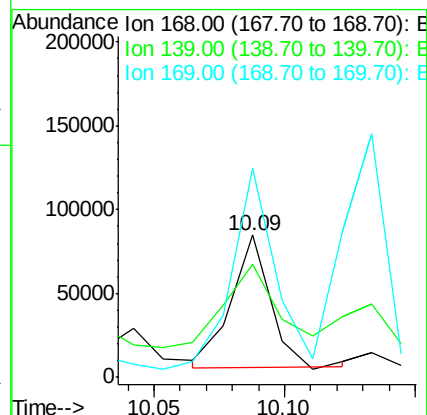
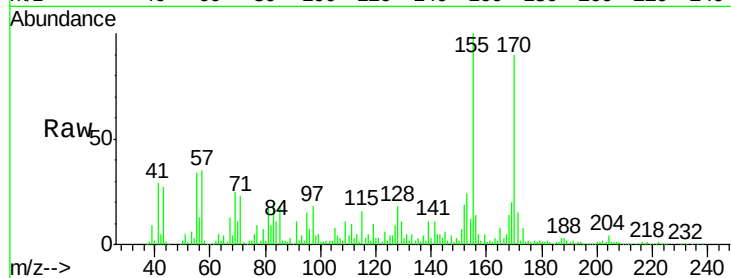
Tot Ion:168 Resp: 83771

Ion Ratio Lower Upper

168 100

139 79.6 32.6 49.0#

169 147.2 11.3 16.9#



#55

4-Nitrophenol

Concen: 40.55 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.03 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

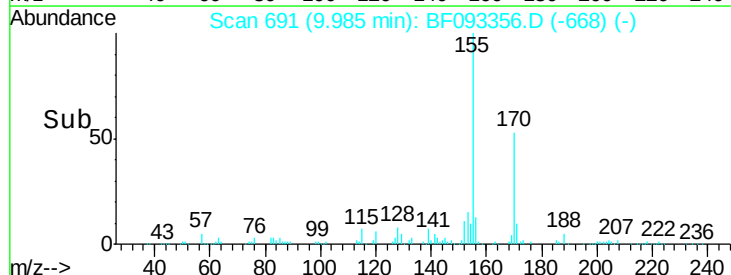
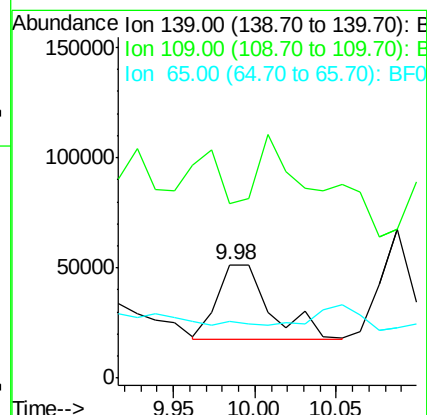
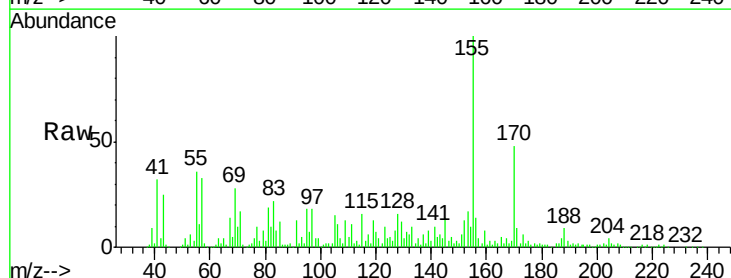
Tgt Ion:139 Resp: 76909

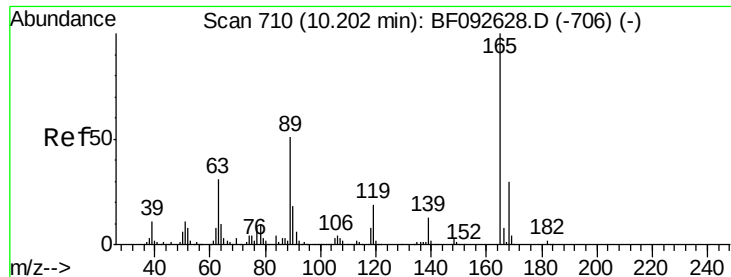
Ion Ratio Lower Upper

139 100

109 154.0 52.2 92.2#

65 50.2 85.8 125.8#

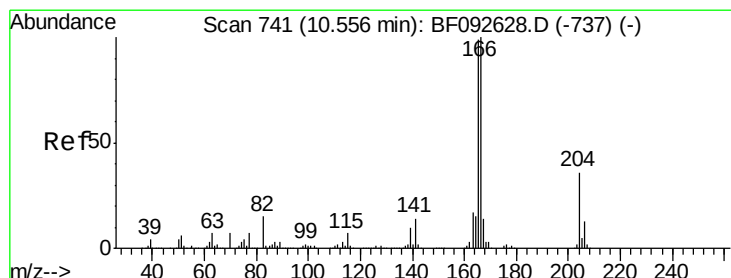
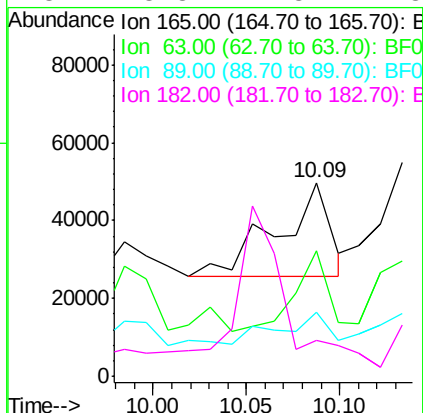
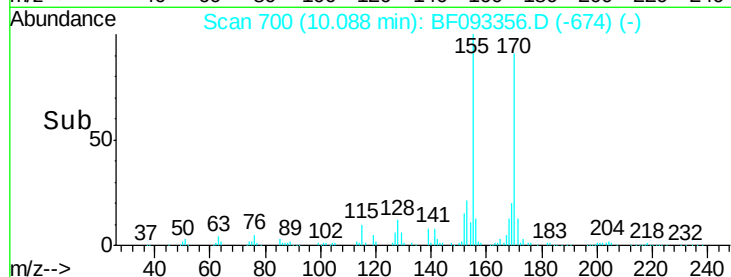
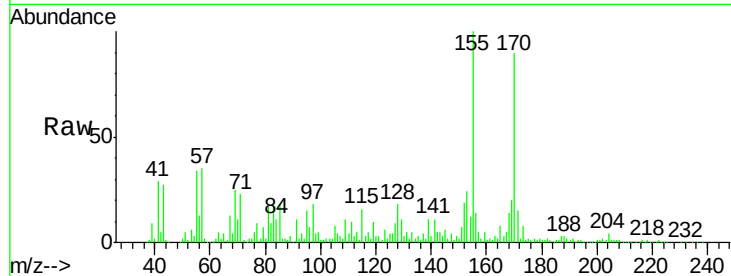




#56
2,4-Dinitrotoluene
Concen: 15.54 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.00 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

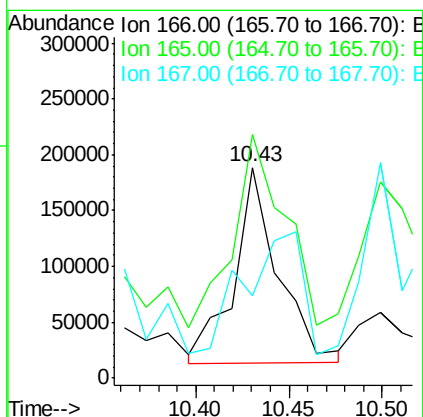
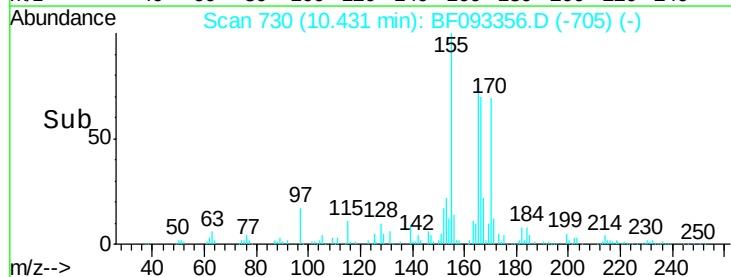
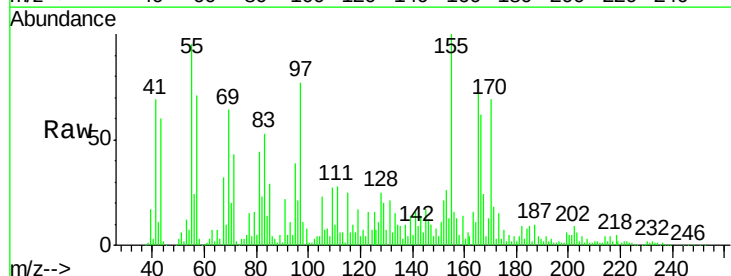
Instrument :
BNA_F
ClientSampleId :
21B-20

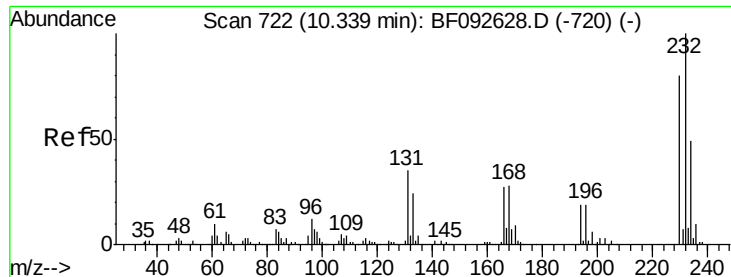
Tot Ion:	165	Resp:	47615
Ion	Ratio	Lower	Upper
165	100		
63	64.6	40.2	60.4#
89	33.1	62.5	93.7#
182	18.8	1.8	2.8#



#57
Fluorene
Concen: 30.42 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

Tgt Ion:	166	Resp:	289758
Ion	Ratio	Lower	Upper
166	100		
165	115.6	77.8	116.8
167	39.3	10.8	16.2#

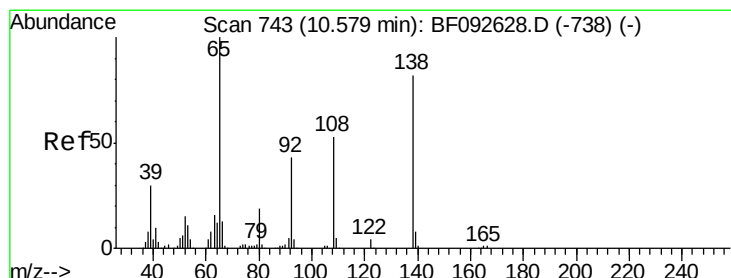
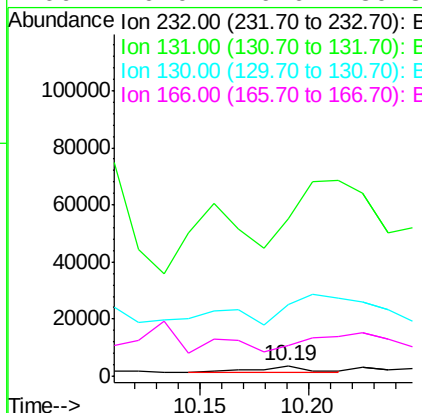
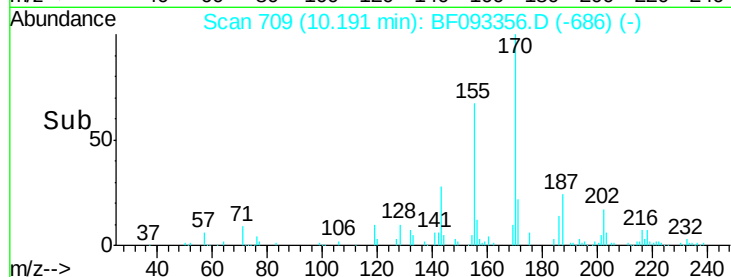
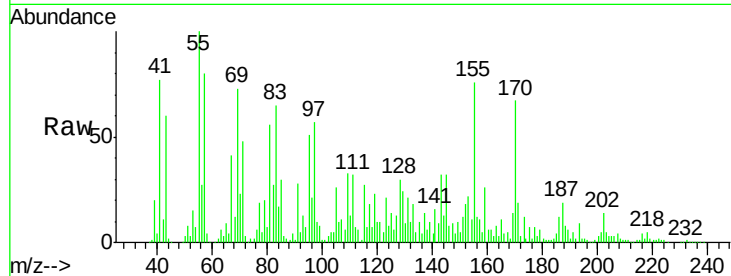




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.03 ng
 RT: 10.19 min Scan# 709
 Delta R.T. -0.03 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

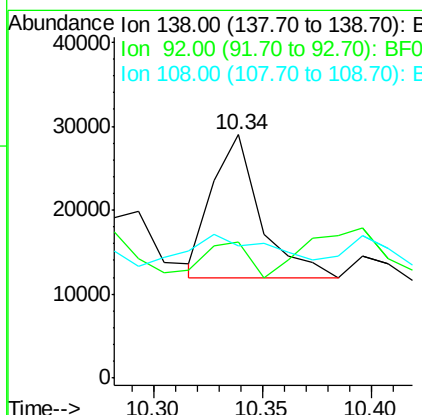
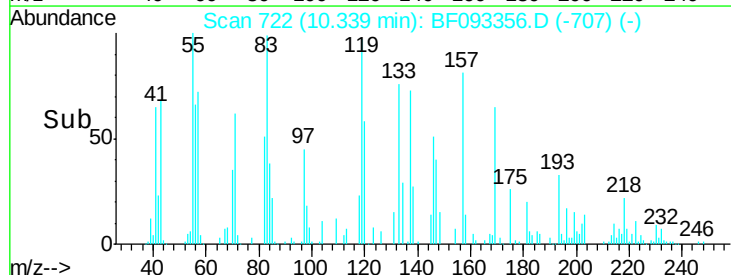
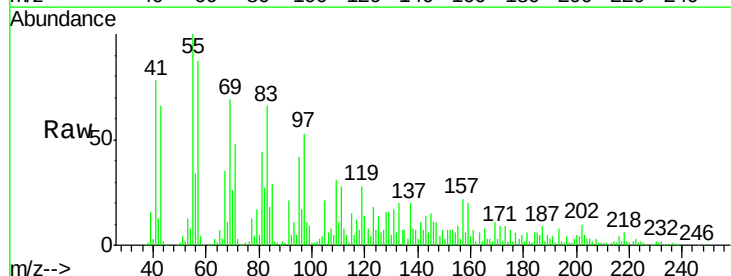
Instrument :
 BNA_F
 ClientSampleId :
 21B-20

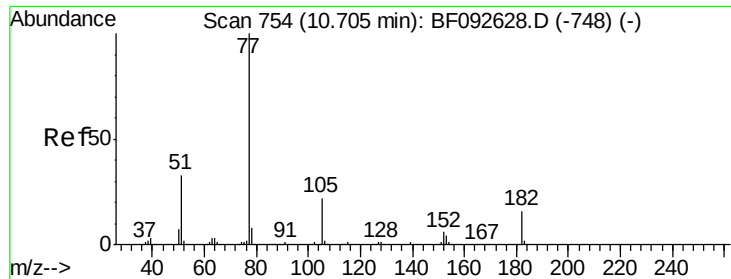
Tot Ion:232 Resp: 4323
 Ion Ratio Lower Upper
 232 100
 131 0.0 40.1 60.1#
 130 1015.7 1.8 2.8#
 166 0.0 26.6 39.8#



#61
 4-Nitroaniline
 Concen: 9.74 ng
 RT: 10.34 min Scan# 722
 Delta R.T. -0.13 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

Tgt Ion:138 Resp: 26260
 Ion Ratio Lower Upper
 138 100
 92 55.9 31.7 71.7
 108 54.2 52.6 92.6





#62

Azobenzene

Concen: 9.77 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

Tot Ion: 77 Resp: 101363

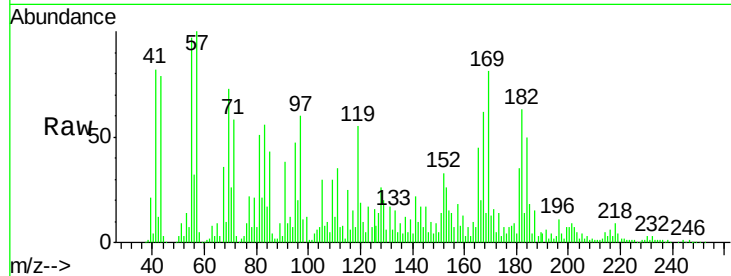
Ion Ratio Lower Upper

77 100

182 286.6 0.0 39.3#

105 135.4 2.3 42.3#

51 41.0 8.9 48.9

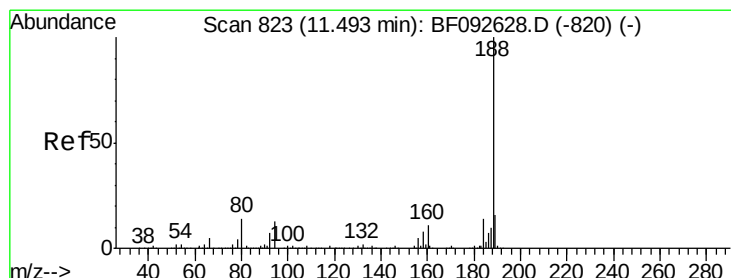
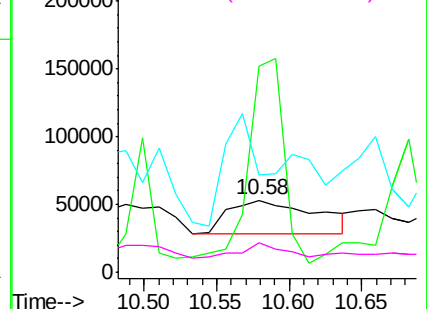
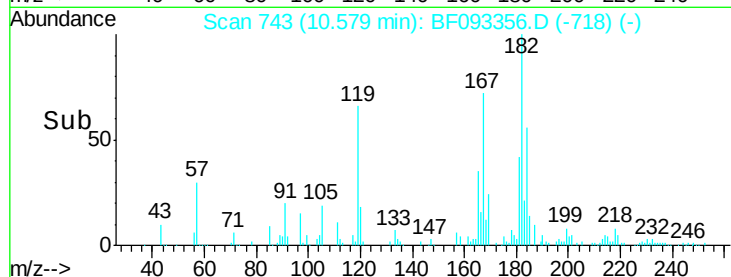


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF093356.D

Acq: 3 Mar 2017 12:00

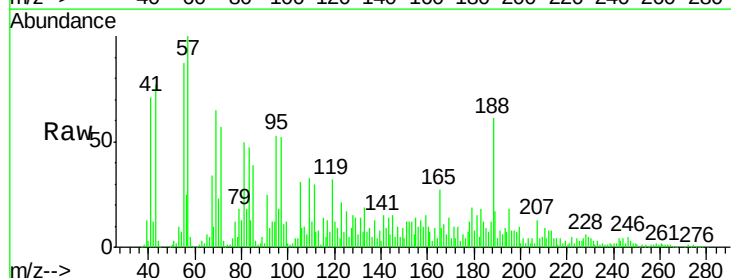
Tgt Ion: 188 Resp: 212175

Ion Ratio Lower Upper

188 100

94 19.9 10.0 15.0#

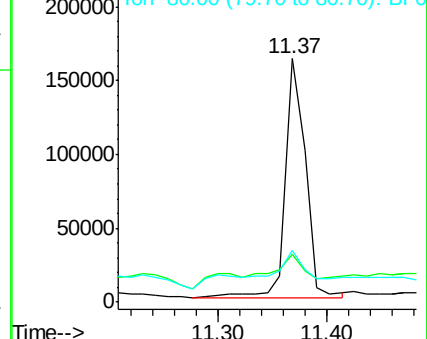
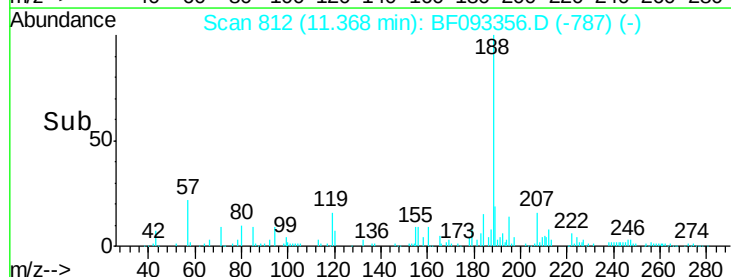
80 21.0 11.2 16.8#

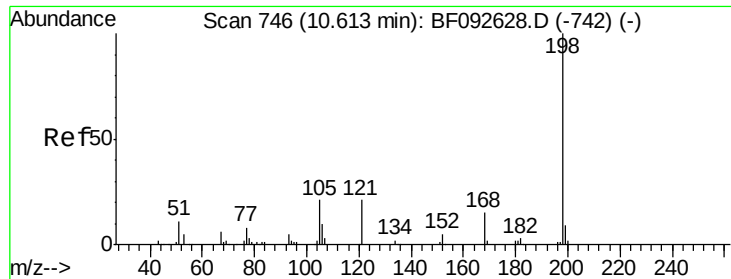


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.54 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

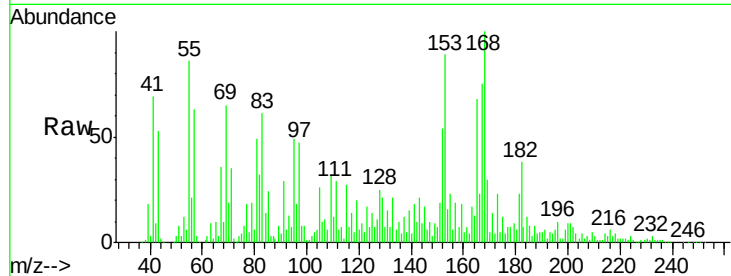
Tot Ion:198 Resp: 3925

Ion Ratio Lower Upper

198 100

51 407.8 6.7 46.7#

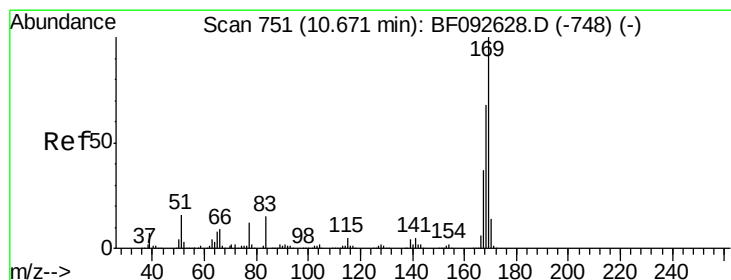
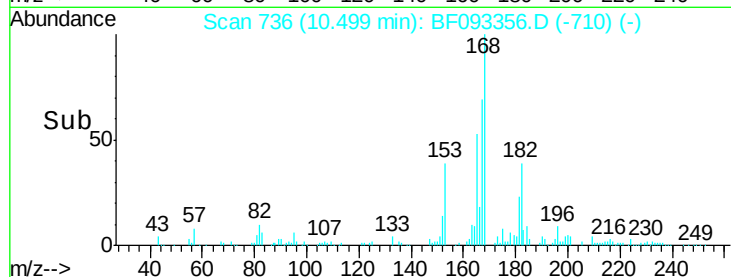
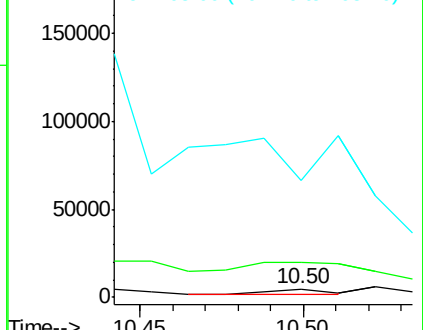
105 1361.7 16.6 56.6#



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: 54.26 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.03 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

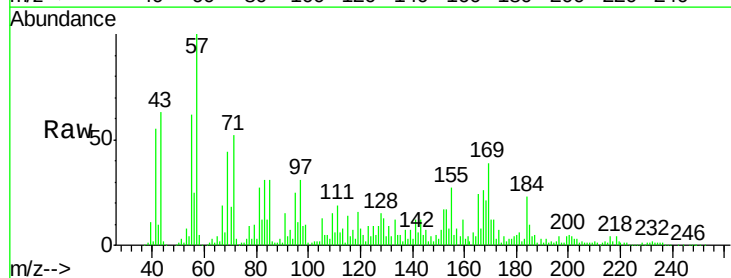
Tgt Ion:169 Resp: 367779

Ion Ratio Lower Upper

169 100

168 53.4 54.2 81.2#

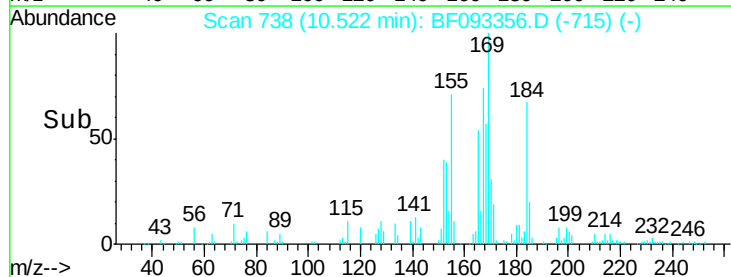
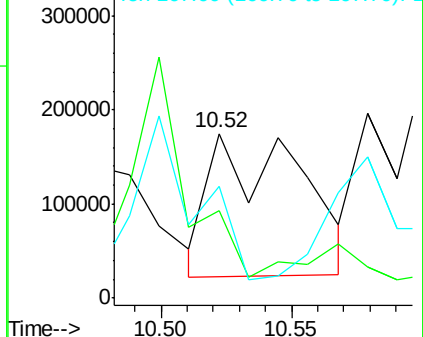
167 67.6 30.2 45.4#

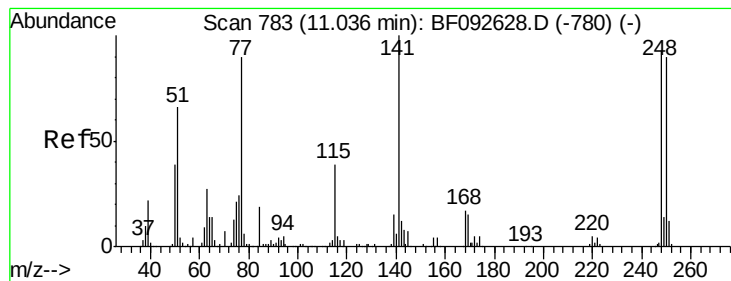


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 2.60 ng

RT: 10.90 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

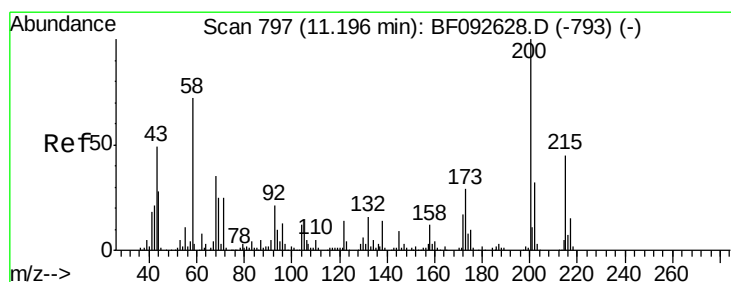
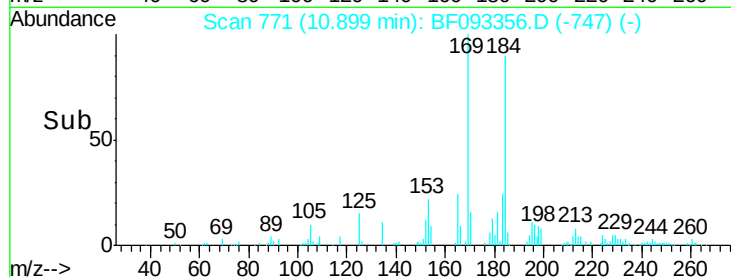
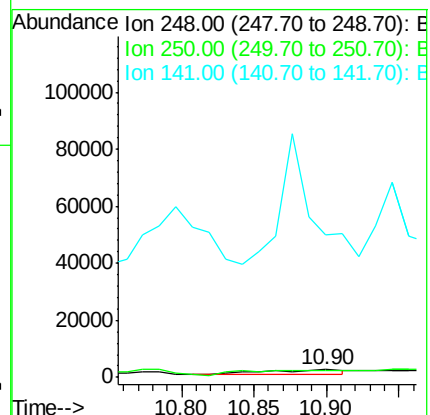
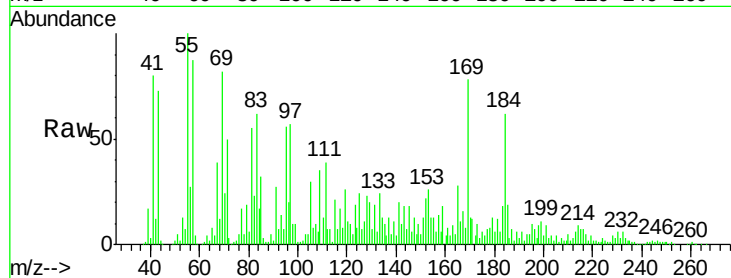
Tot Ion:248 Resp: 5762

Ion Ratio Lower Upper

248 100

250 91.5 76.9 115.3

141 1824.6 68.2 102.4#



#68

Atrazine

Concen: 8.55 ng

RT: 11.09 min Scan# 788

Delta R.T. 0.01 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

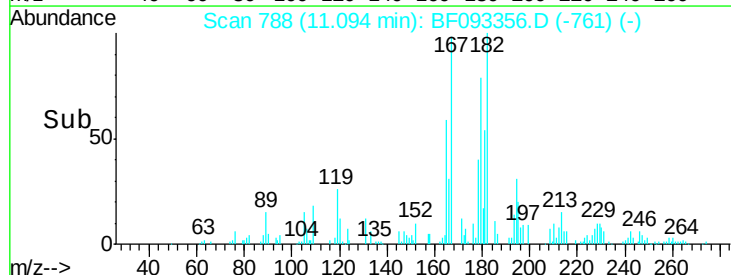
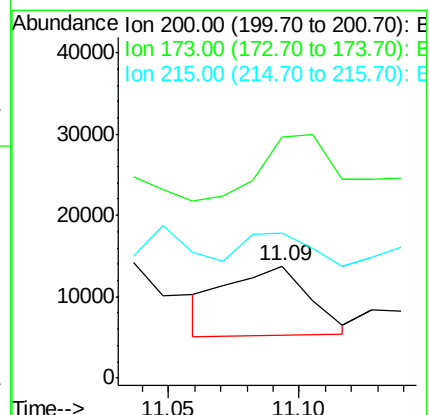
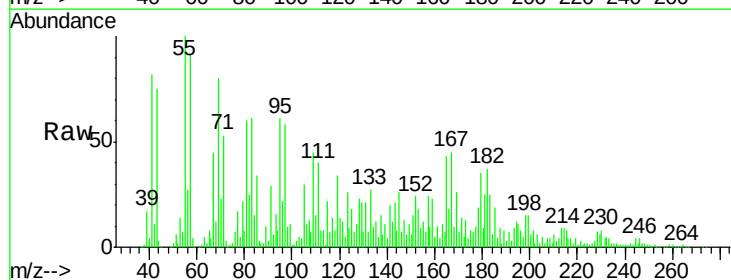
Tgt Ion:200 Resp: 18593

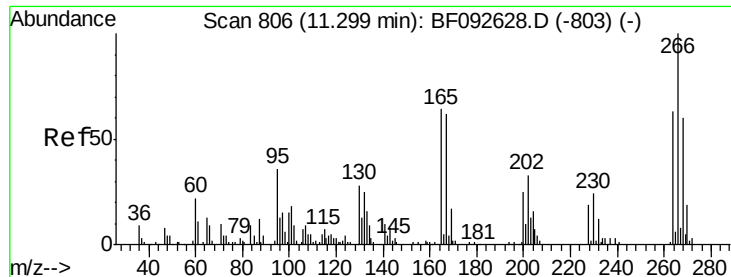
Ion Ratio Lower Upper

200 100

173 215.3 9.6 49.6#

215 129.6 25.7 65.7#

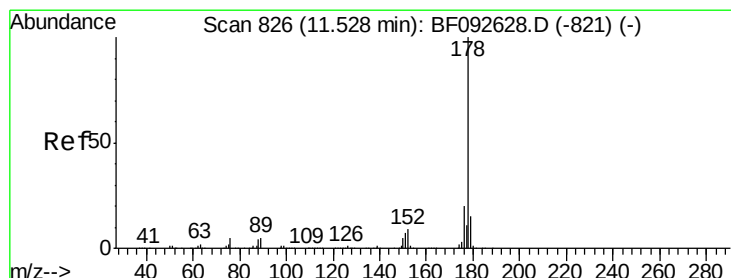
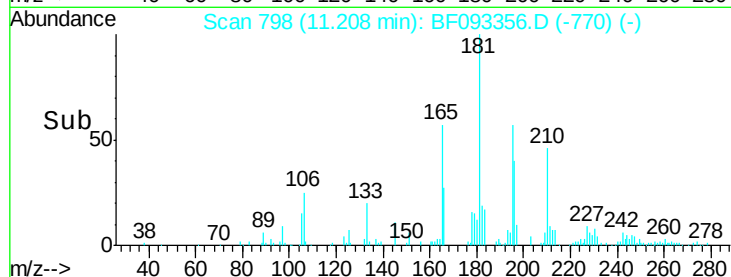
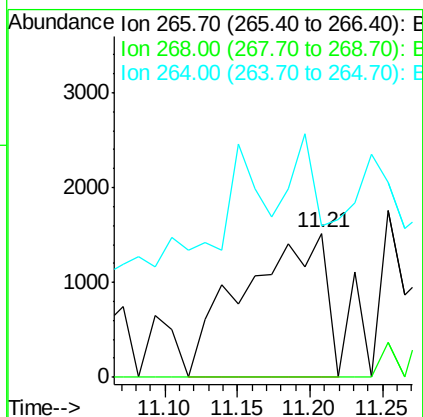
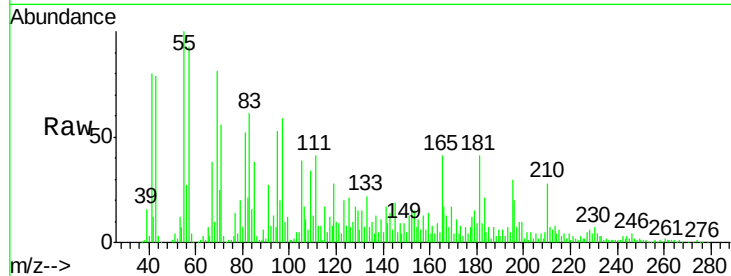




#69
 Pentachlorophenol
 Concen: 11.94 ng
 RT: 11.21 min Scan# 798
 Delta R.T. 0.02 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

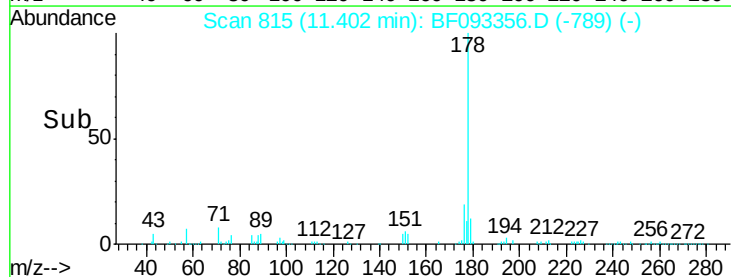
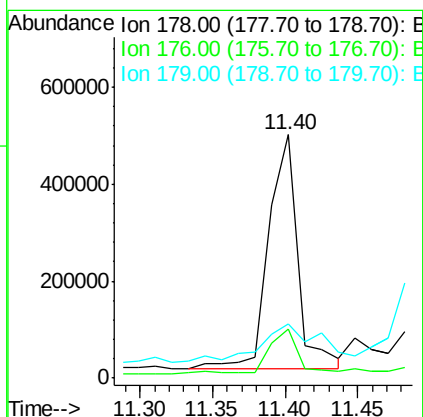
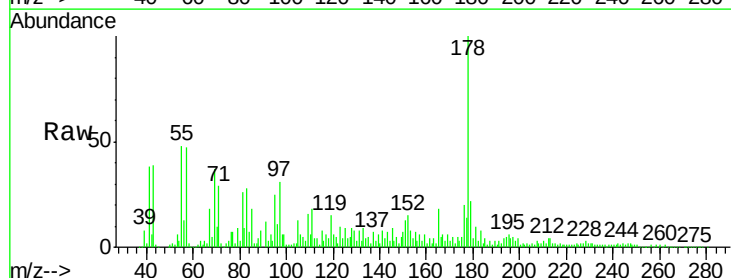
Instrument :
 BNA_F
 ClientSampleID :
 21B-20

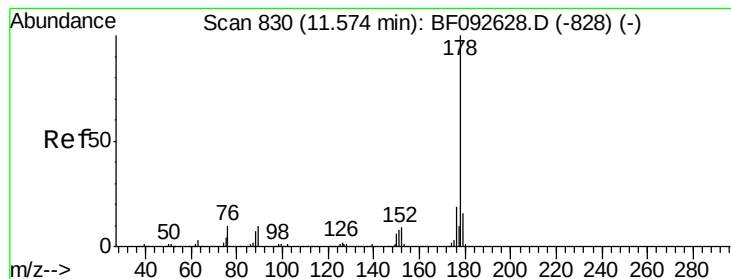
Tot Ion:266 Resp: 5894
 Ion Ratio Lower Upper
 266 100
 268 0.0 53.3 79.9#
 264 105.3 50.3 75.5#



#70
 Phenanthrene
 Concen: 55.64 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF093356.D
 Acq: 3 Mar 2017 12:00

Tgt Ion:178 Resp: 676352
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.6 25.0
 179 22.0 12.8 19.2#





#71

Anthracene

Concen: 3.88 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

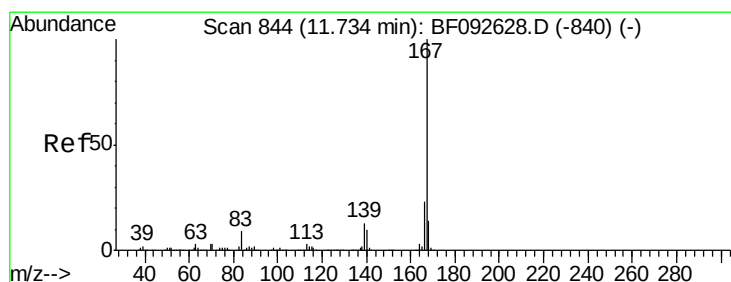
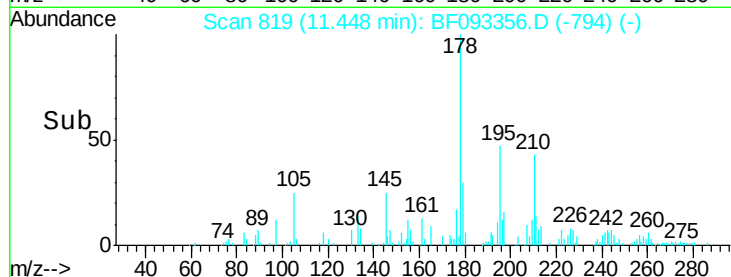
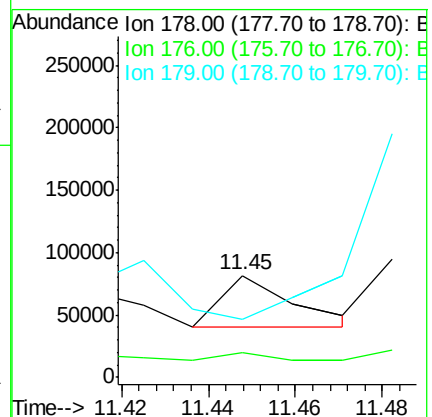
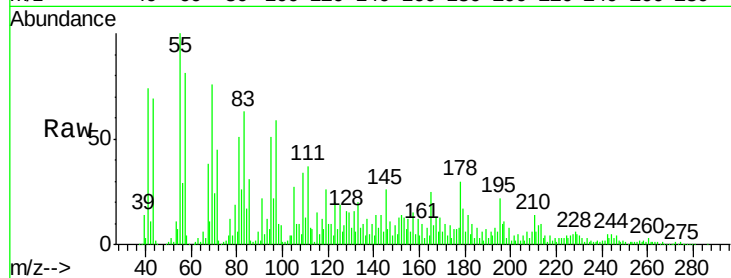
Tot Ion:178 Resp: 47411

Ion Ratio Lower Upper

178 100

176 23.8 15.9 23.9

179 57.4 13.2 19.8#



#72

Carbazole

Concen: 2.56 ng

RT: 11.61 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

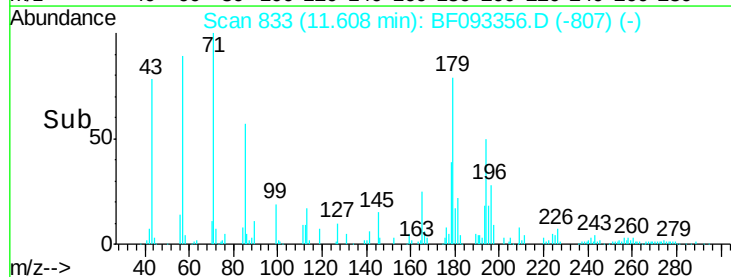
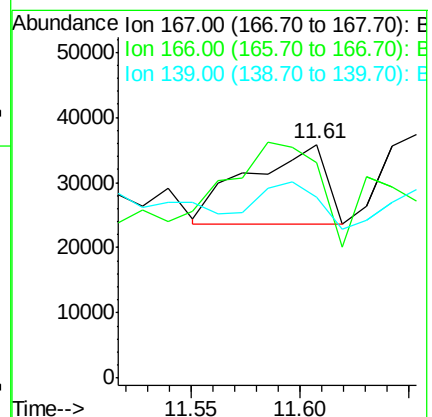
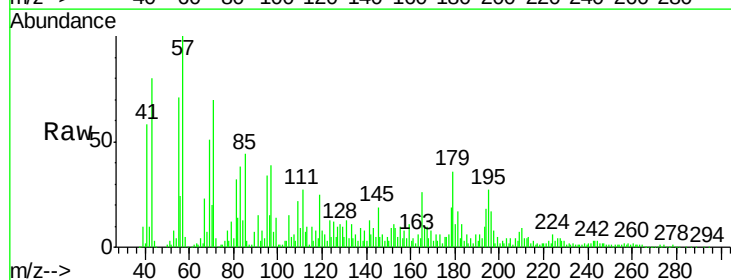
Tgt Ion:167 Resp: 29826

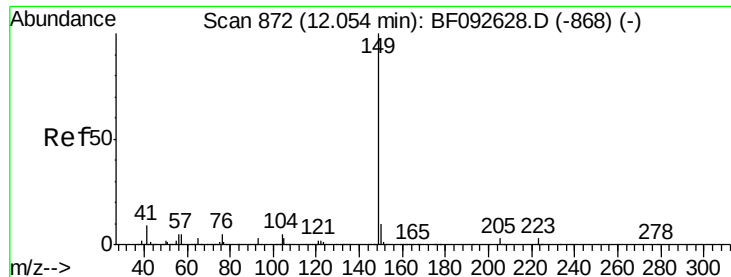
Ion Ratio Lower Upper

167 100

166 92.4 18.2 27.2#

139 77.6 11.4 17.2#





#73

Di-n-butylphthalate

Concen: 3.56 ng

RT: 11.90 min Scan# 859

Delta R.T. -0.03 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

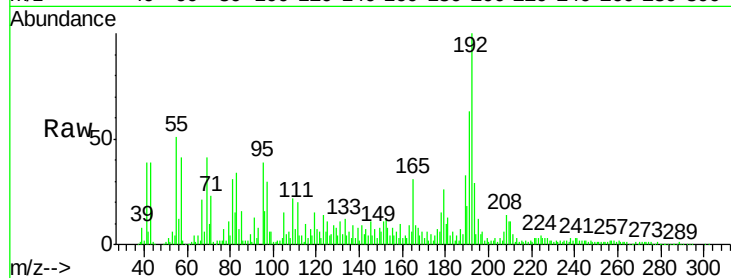
Tot Ion:149 Resp: 44956

Ion Ratio Lower Upper

149 100

150 73.7 8.1 12.1#

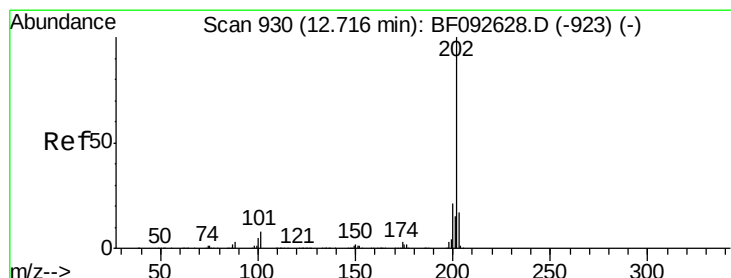
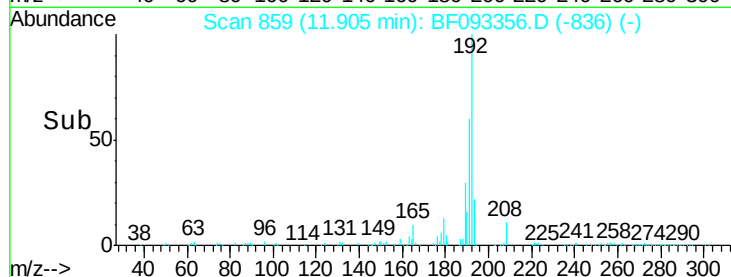
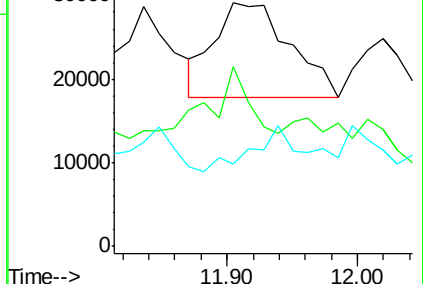
104 33.9 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 6.95 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

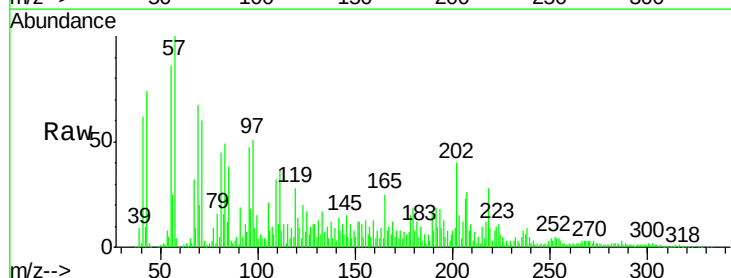
Tgt Ion:202 Resp: 87098

Ion Ratio Lower Upper

202 100

101 15.6 0.0 34.6

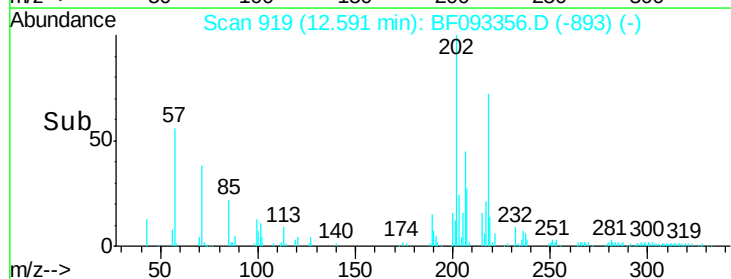
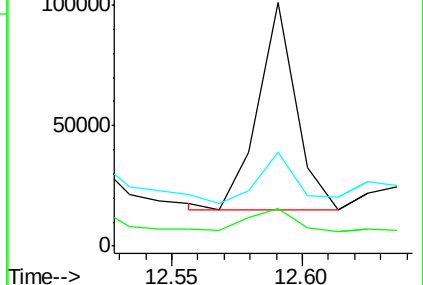
203 38.4 0.0 38.7

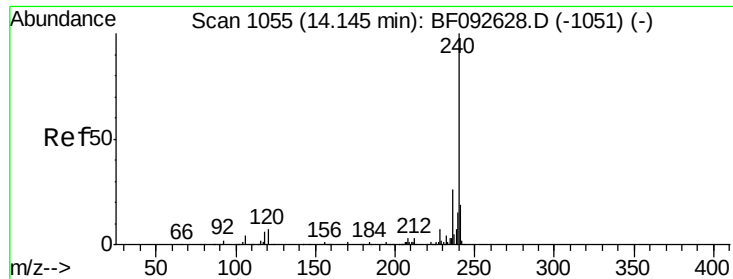


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

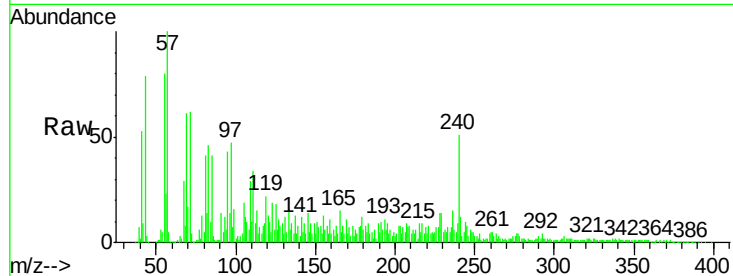
Tot Ion:240 Resp: 138136

Ion Ratio Lower Upper

240 100

120 25.5 12.9 19.3#

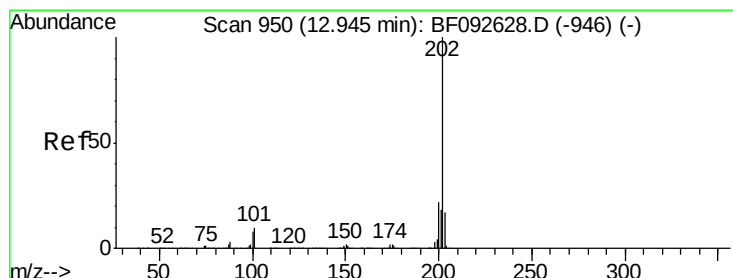
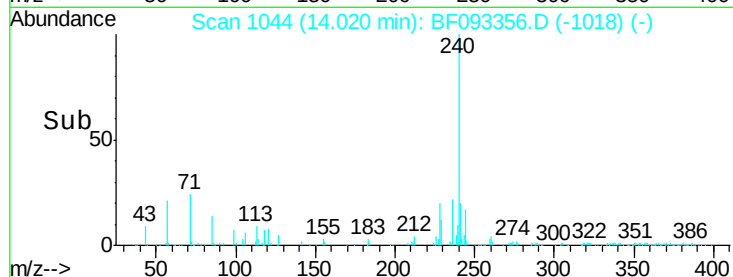
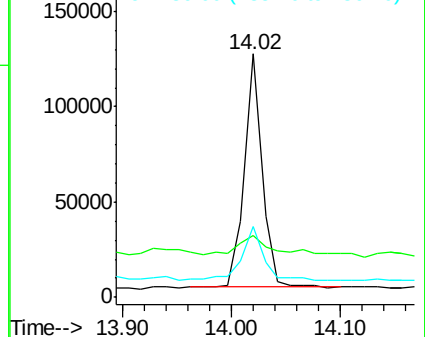
236 29.3 20.9 31.3



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



#77

Pyrene

Concen: 20.44 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

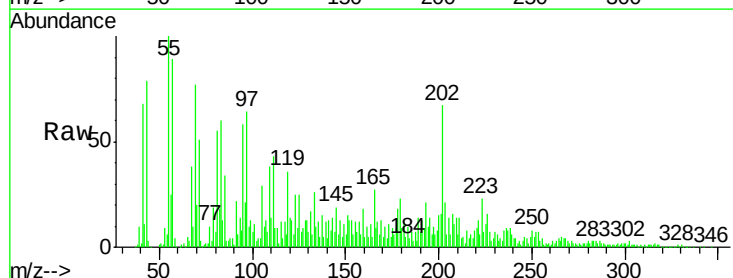
Tgt Ion:202 Resp: 211332

Ion Ratio Lower Upper

202 100

200 22.3 17.7 26.5

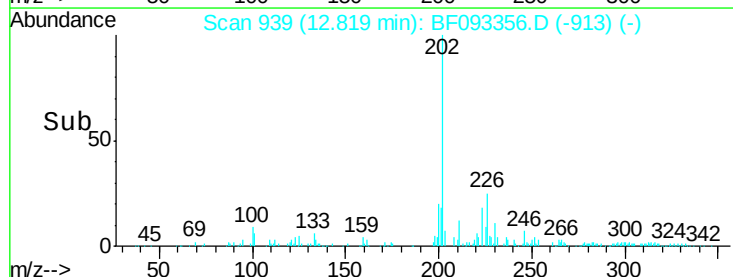
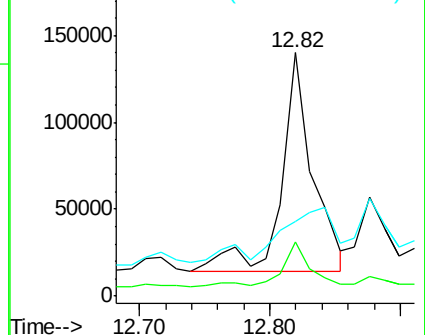
203 30.6 14.7 22.1#

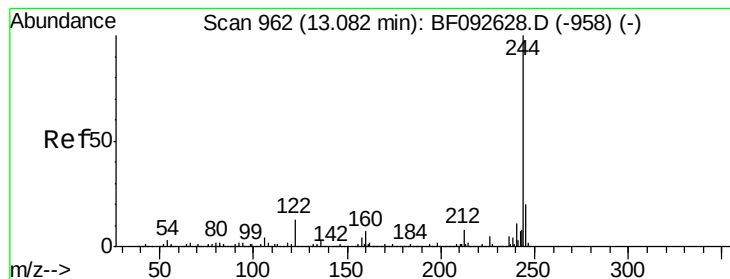


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.11 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampled :

21B-20

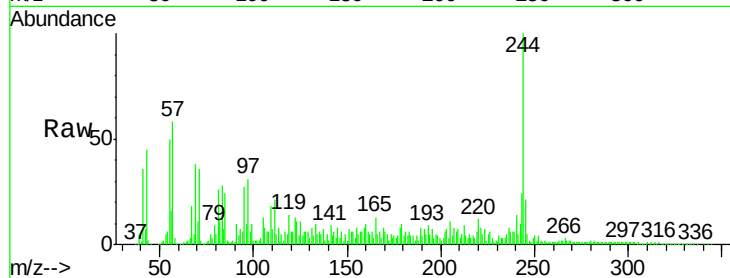
Tot Ion:244 Resp: 418029

Ion Ratio Lower Upper

244 100

212 9.1 6.2 9.2

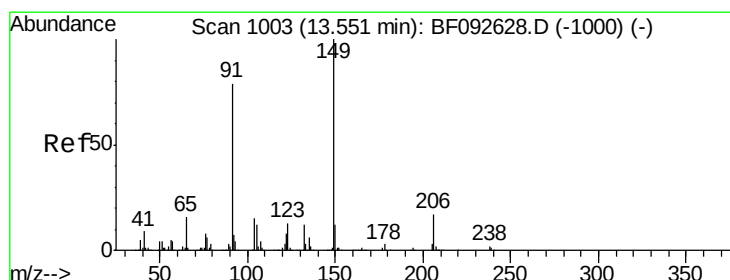
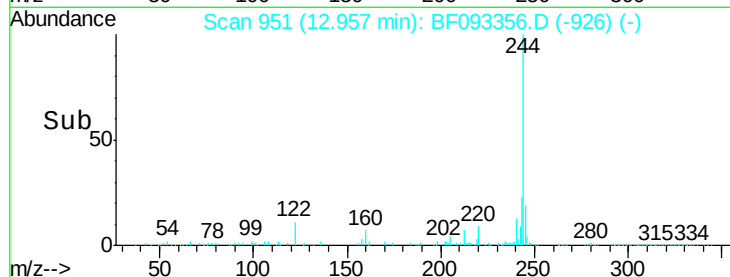
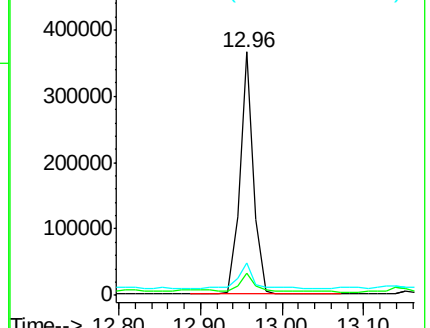
122 13.4 11.4 17.2



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



#79

Butylbenzylphthalate

Concen: 4.55 ng

RT: 13.41 min Scan# 991

Delta R.T. -0.02 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

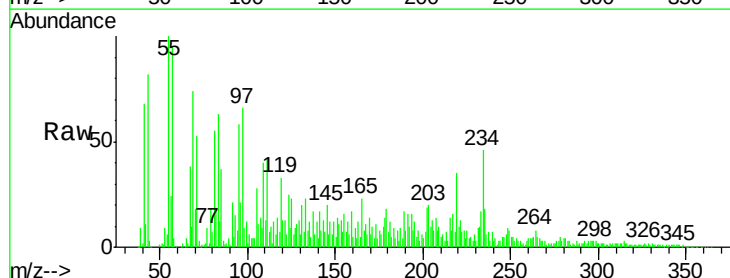
Tgt Ion:149 Resp: 19080

Ion Ratio Lower Upper

149 100

91 172.8 63.9 95.9#

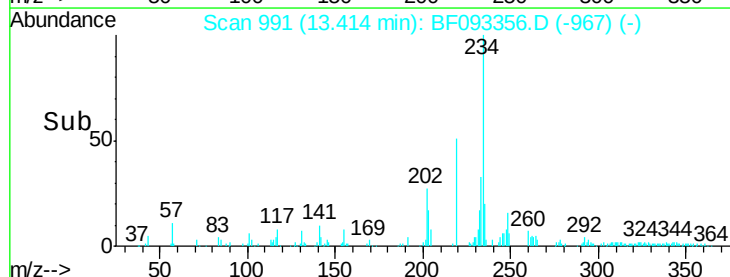
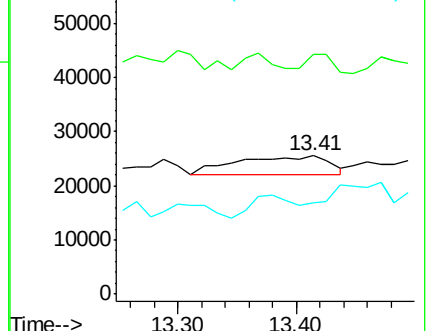
206 66.2 14.6 21.8#

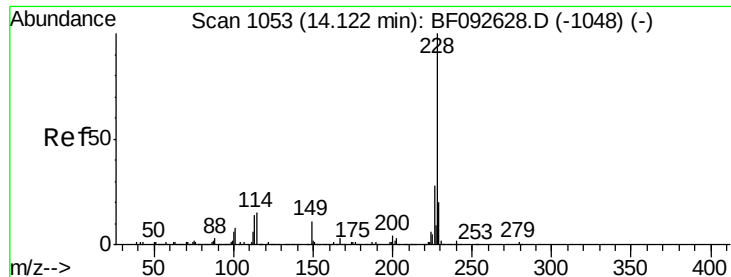


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 19.99 ng

RT: 14.04 min Scan# 1046

Delta R.T. 0.03 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampled :

21B-20

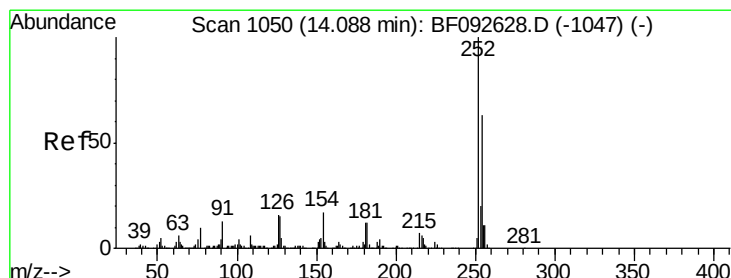
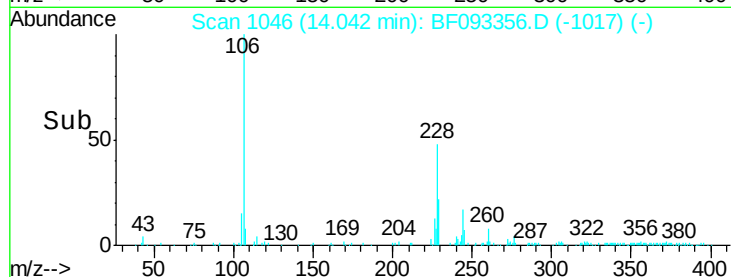
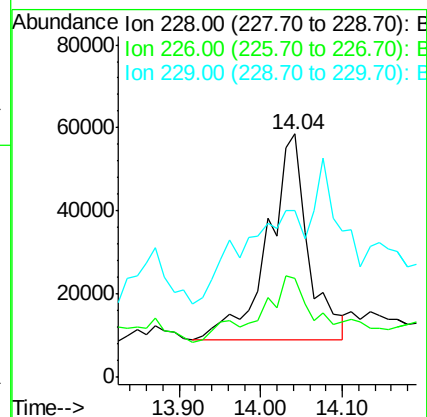
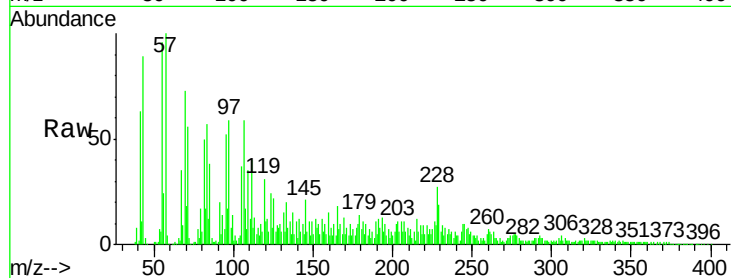
Tot Ion:228 Resp: 168896

Ion Ratio Lower Upper

228 100

226 40.9 22.4 33.6#

229 68.3 16.2 24.4#



#81

3,3'-Dichlorobenzidine

Concen: 2.71 ng

RT: 14.01 min Scan# 1043

Delta R.T. 0.03 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

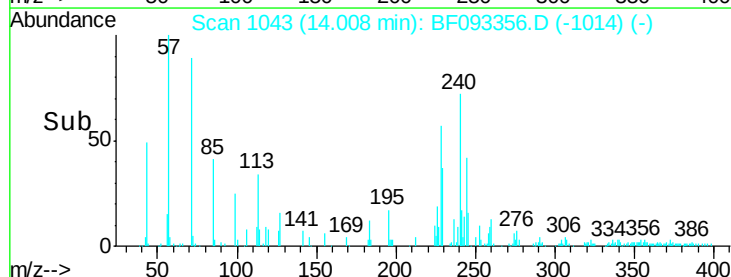
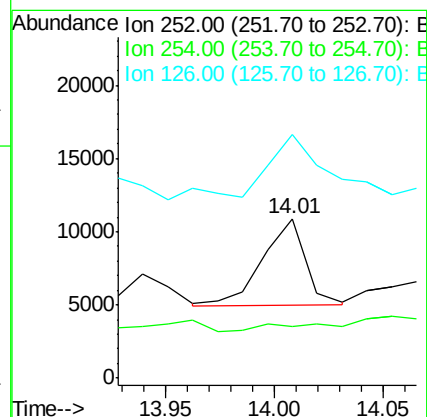
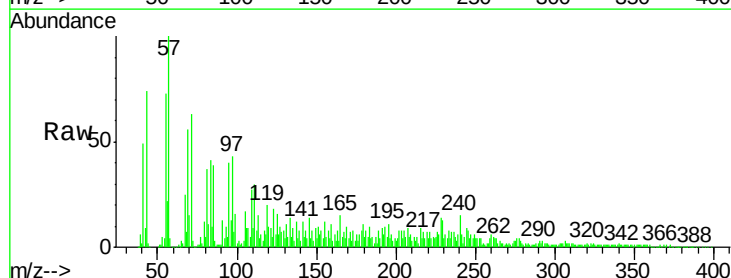
Tgt Ion:252 Resp: 8155

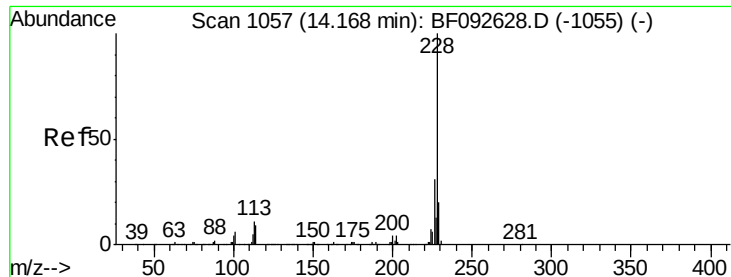
Ion Ratio Lower Upper

252 100

254 32.3 52.3 78.5#

126 153.0 13.6 20.4#





#82

Chrysene

Concen: 21.35 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampled :

21B-20

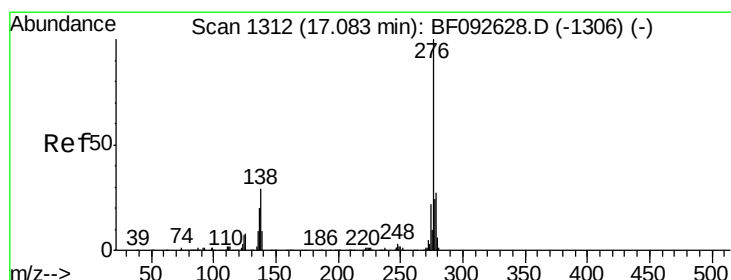
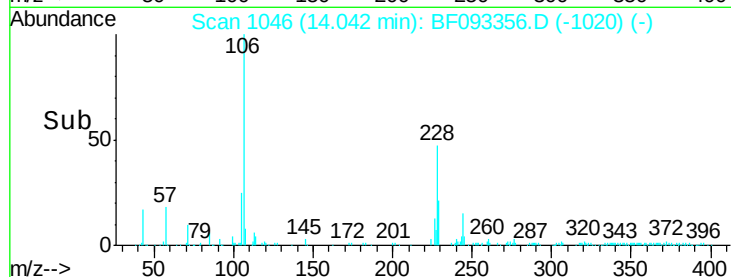
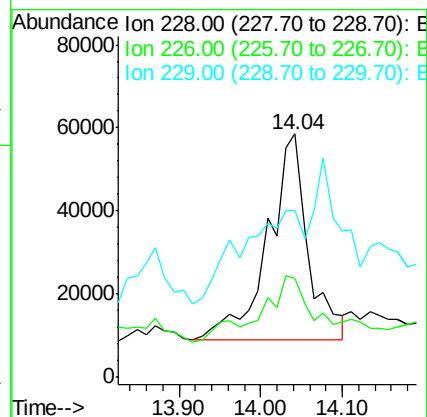
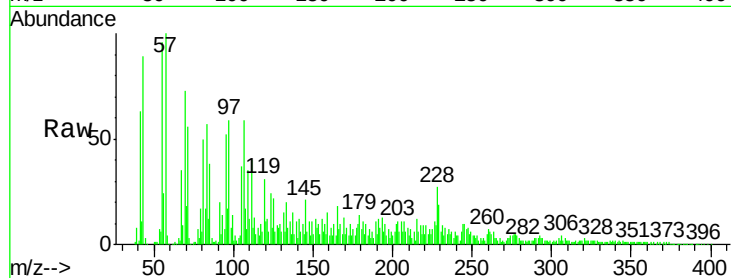
Tot Ion:228 Resp: 168896

Ion Ratio Lower Upper

228 100

226 40.9 25.4 38.0#

229 68.3 16.2 24.2#



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.38 ng

RT: 16.90 min Scan# 1296

Delta R.T. 0.05 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

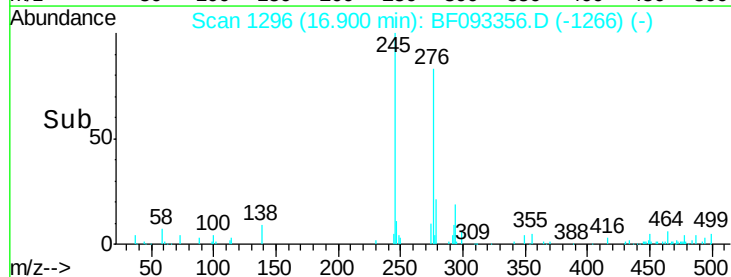
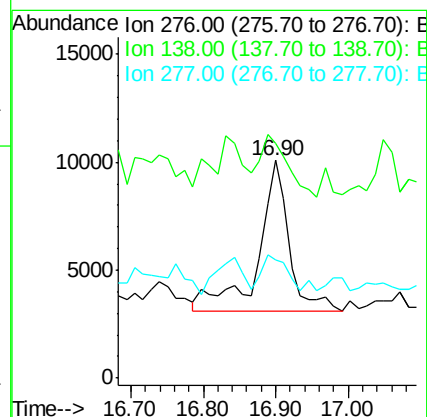
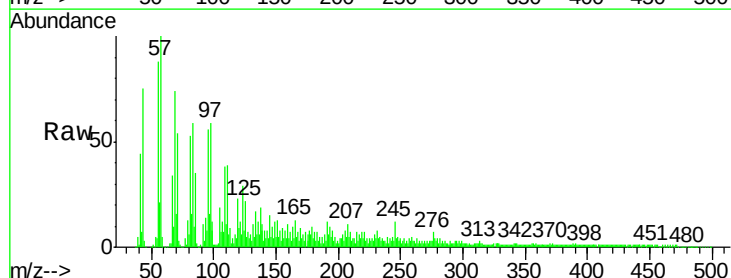
Tgt Ion:276 Resp: 20726

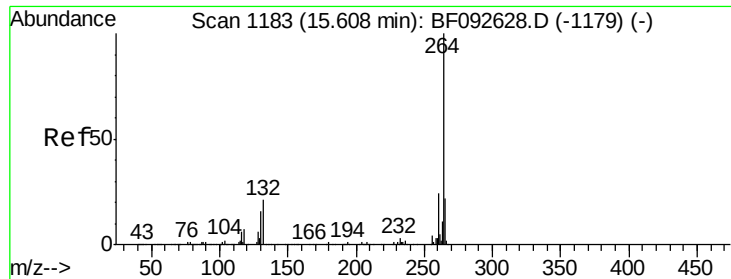
Ion Ratio Lower Upper

276 100

138 36.8 21.8 32.6#

277 20.4 20.2 30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.47 min Scan# 1171

Delta R.T. 0.02 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

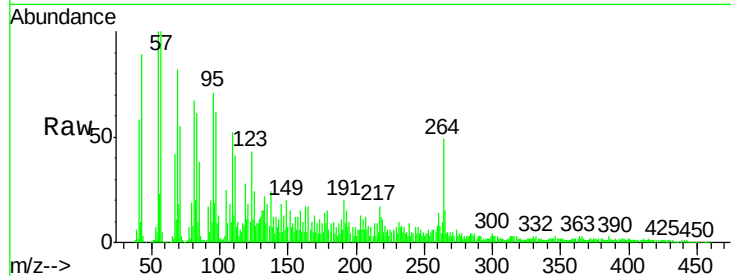
Tot Ion:264 Resp: 143562

Ion Ratio Lower Upper

264 100

260 29.1 19.2 28.8#

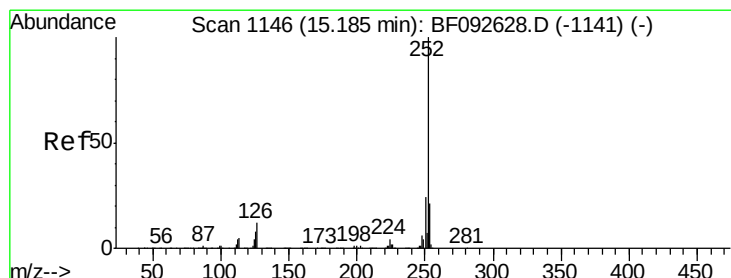
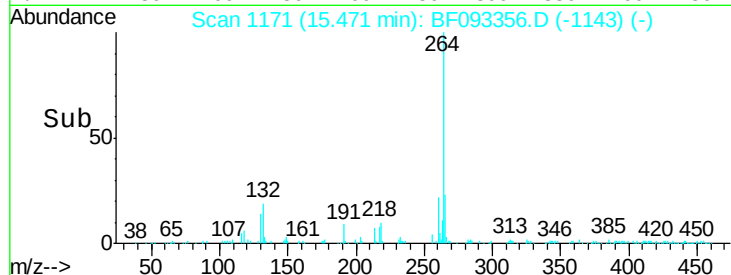
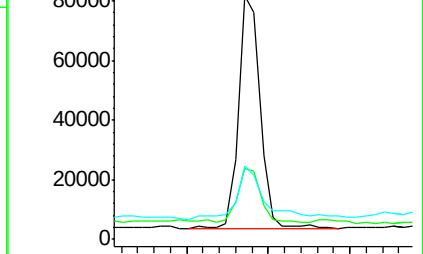
265 30.1 17.4 26.0#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 5.21 ng

RT: 15.06 min Scan# 1135

Delta R.T. 0.02 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

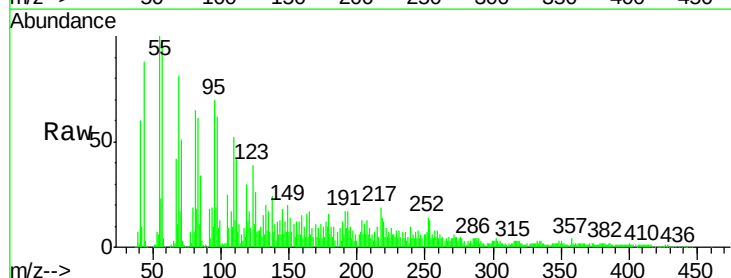
Tgt Ion:252 Resp: 49210

Ion Ratio Lower Upper

252 100

253 97.4 18.2 27.4#

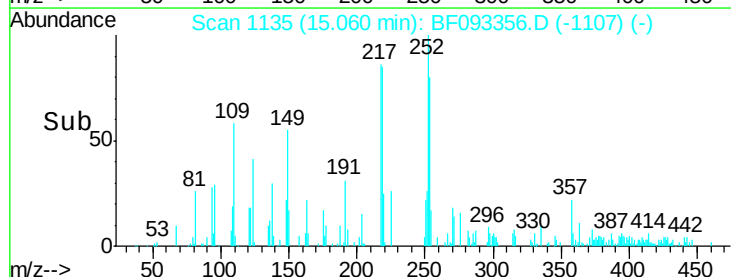
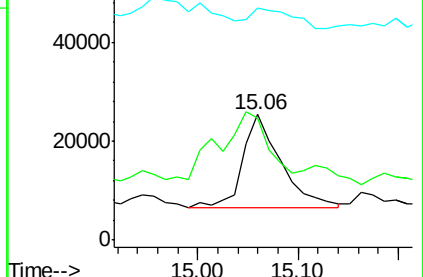
125 185.0 9.8 14.6#

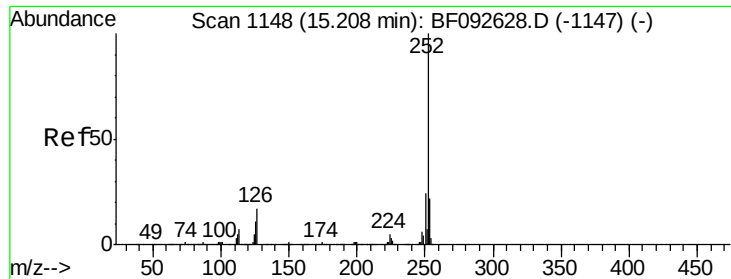


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

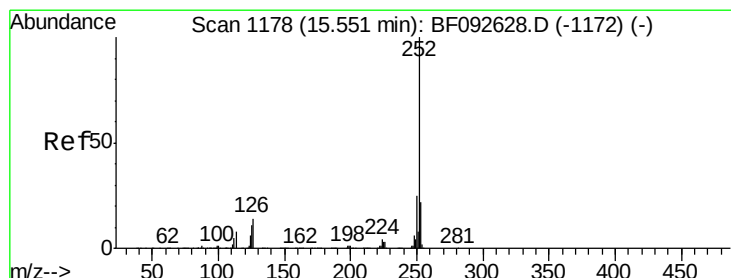
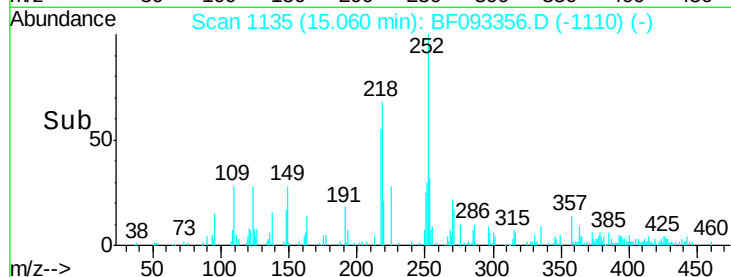
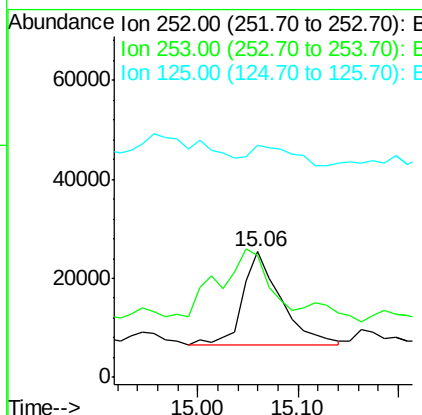
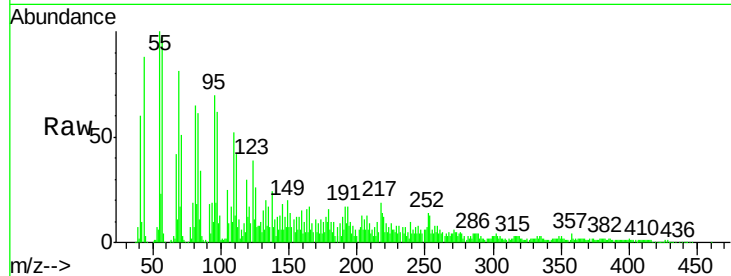




#88
Benzo(k)fluoranthene
Concen: 6.03 ng
RT: 15.06 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

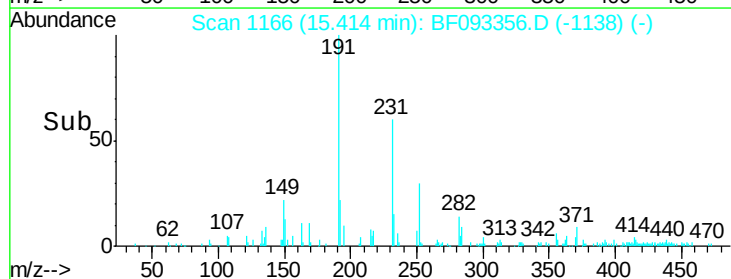
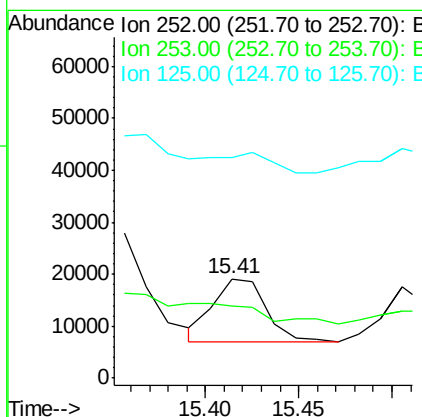
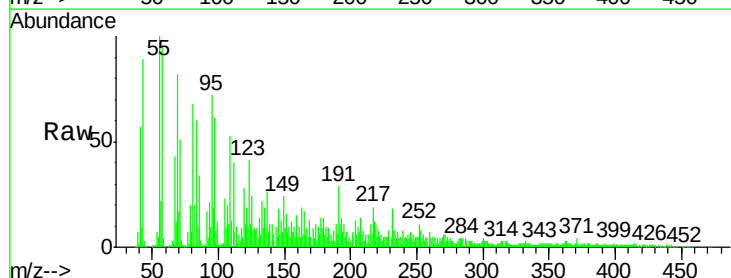
Instrument :
BNA_F
ClientSampleId :
21B-20

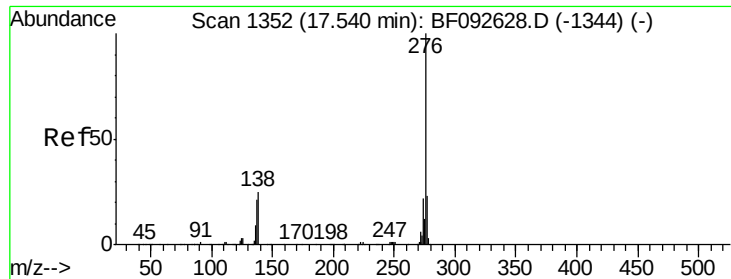
Tot Ion:252 Resp: 49210
Ion Ratio Lower Upper
252 100
253 97.4 18.5 27.7#
125 185.0 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 3.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.02 min
Lab File: BF093356.D
Acq: 3 Mar 2017 12:00

Tgt Ion:252 Resp: 24487
Ion Ratio Lower Upper
252 100
253 72.4 18.2 27.2#
125 222.4 10.0 15.0#





#91

Benzo(a,h,i)perylene

Concen: 3.28 ng

RT: 17.33 min Scan# 1334

Delta R.T. 0.05 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA_F

ClientSampleId :

21B-20

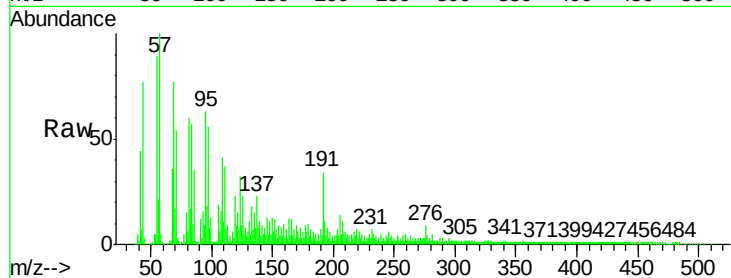
Tot Ion: 276 Resp: 21908

Ion Ratio Lower Upper

276 100

277 47.8 19.2 28.8#

138 89.4 16.0 24.0#



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

