

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
 Data File : BF080930.D
 Acq On : 7 Aug 2015 16:52
 Operator : TP/UM
 Sample : G3083-18DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 08 01:59:18 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 08 01:33:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	80983	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	305144	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	162831	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	325796	20.00	ng	0.00
75) Chrysene-d12	13.95	240	263035	20.00	ng	-0.01
86) Perylene-d12	15.36	264	227880	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	66778	13.47	ng	0.00
7) Phenol-d6	6.43	99	101551	14.95	ng	-0.01
23) Nitrobenzene-d5	7.37	82	67899	10.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	25499	14.25	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	121030	10.46	ng	0.00
78) Terphenyl-d14	12.90	244	136200	10.70	ng	-0.01

Target Compounds						Qvalue
8) 2-Chlorophenol	6.58	128	95213	16.60	ng	82
10) Phenol	6.44	94	136669	16.96	ng	98
11) bis(2-Chloroethyl)ether	6.54	93	67638	11.24	ng	86
12) 1,3-Dichlorobenzene	6.98	146	28730	4.72	ng	97
13) 1,4-Dichlorobenzene	6.98	146	28725	4.54	ng	95
14) 1,2-Dichlorobenzene	6.98	146	28725	5.02	ng	94
15) Benzyl Alcohol	7.06	79	41225	7.42	ng	# 1
16) 2,2'-oxybis(1-Chloropropan	7.09	45	120069	9.92	ng	98
17) 2-Methylphenol	7.06	107	65519	13.38	ng	96
19) n-Nitroso-di-n-propylamine	7.22	70	80601	16.24	ng	98
20) 3+4-Methylphenols	7.06	107	65519	10.65	ng	# 48
25) Isophorone	7.63	82	308754	24.89	ng	96
26) 2-Nitrophenol	7.71	139	24168	8.65	ng	# 83
28) bis(2-Chloroethoxy)methane	7.85	93	64894	8.71	ng	97
30) 1,2,4-Trichlorobenzene	8.03	180	84048	17.88	ng	# 92
31) Naphthalene	8.11	128	167788	9.98	ng	99
33) 4-Chloroaniline	8.11	127	21593	3.16	ng	# 30
34) Hexachlorobutadiene	8.24	225	36882	13.19	ng	98
36) 4-Chloro-3-methylphenol	8.64	107	59069	11.26	ng	96
37) 2-Methylnaphthalene	8.81	142	158983	14.85	ng	98
42) 2,4,6-Trichlorophenol	9.08	196	43771	11.90	ng	98
43) 2,4,5-Trichlorophenol	9.12	196	81660	22.03	ng	# 92
46) 2-Chloronaphthalene	9.29	162	162036	14.87	ng	# 92
48) Acenaphthylene	9.70	152	102541	5.41	ng	99
50) 2,6-Dinitrotoluene	9.63	165	73289	26.23	ng	# 71
54) Dibenzofuran	10.05	168	444188	28.32	ng	94
55) 4-Nitrophenol	10.05	139	170521	66.13	ng	# 14
56) 2,4-Dinitrotoluene	10.03	165	75232	20.12	ng	# 69
57) Fluorene	10.38	166	134680	11.10	ng	97
60) 4-Chlorophenyl-phenylether	10.38	204	95201	16.10	ng	92
62) Azobenzene	10.38	77	51806	3.29	ng	# 42
66) 4-Bromophenyl-phenylether	10.88	248	111881	32.42	ng	93
67) Hexachlorobenzene	10.93	284	22508	5.87	ng	# 73
69) Pentachlorophenol	11.13	266	28520	12.79	ng	98

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 Misc :
 ALS Vial : 15 Sample Multiplier: 1

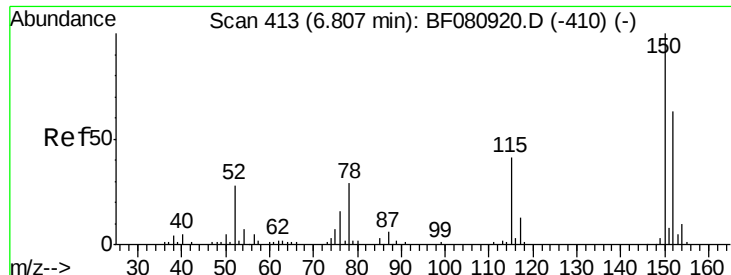
Instrument :
 BNA_F
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Quant Time: Aug 08 01:59:18 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
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 Response via : Initial Calibration

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

70) Phenanthrene	11.40	178	371465	20.14	nq	99
71) Anthracene	11.40	178	371465	20.34	nq	99
73) Di-n-butylphthalate	11.89	149	620754	27.92	nq	99
74) Fluoranthene	12.53	202	137236	6.88	nq	95
77) Pyrene	12.76	202	468098	24.09	nq	99
79) Butylbenzylphthalate	13.38	149	175865	18.77	nq	# 64
80) Benzo(a)anthracene	13.94	228	268696	16.17	nq	100
82) Chrysene	13.99	228	442467	27.81	nq	99
84) Di-n-octyl phthalate	14.56	149	144879	6.56	nq	100
85) Indeno(1,2,3-cd)pyrene	16.71	276	183846	12.14	nq	# 93
87) Benzo(b)fluoranthene	14.96	252	272625	17.20	nq	# 97
88) Benzo(k)fluoranthene	14.96	252	272625	19.67	nq	99
89) Benzo(a)pyrene	15.30	252	137195	10.07	nq	# 97
91) Benzo(q,h,i)perylene	17.11	276	140154	11.96	nq	100

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

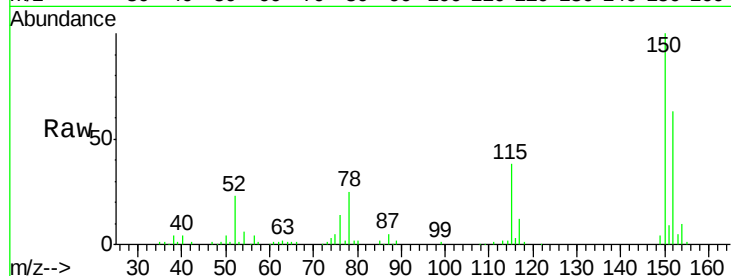


#1

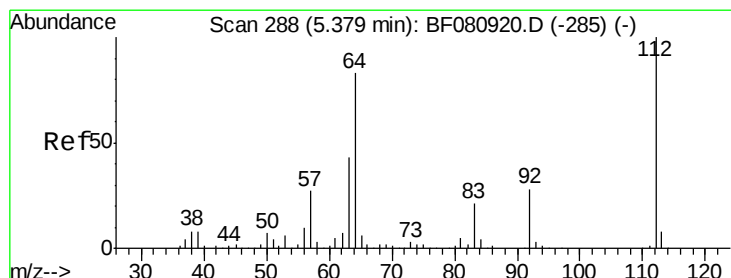
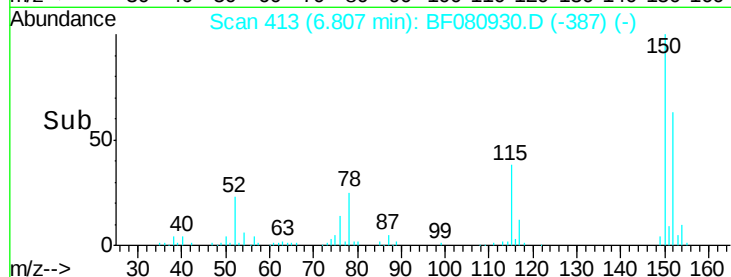
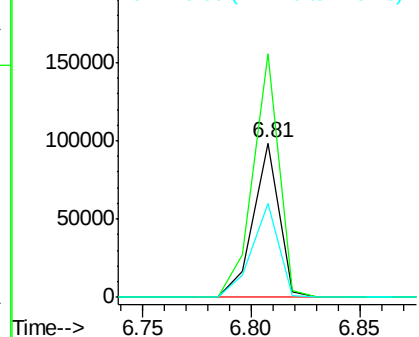
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80983
Ion Ratio Lower Upper
152 100
150 158.0 127.4 191.2
115 60.6 52.6 78.8



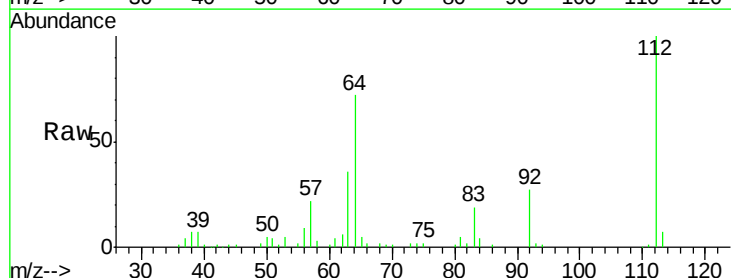
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



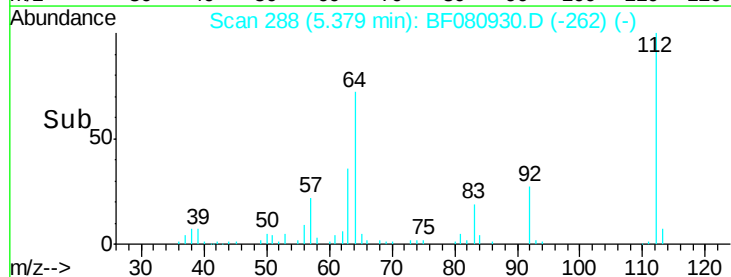
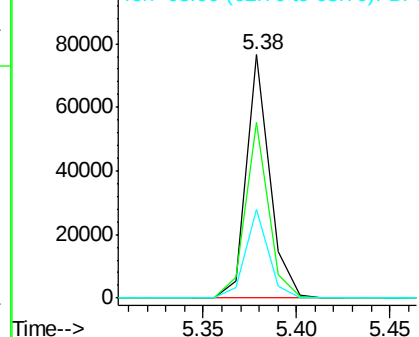
#5

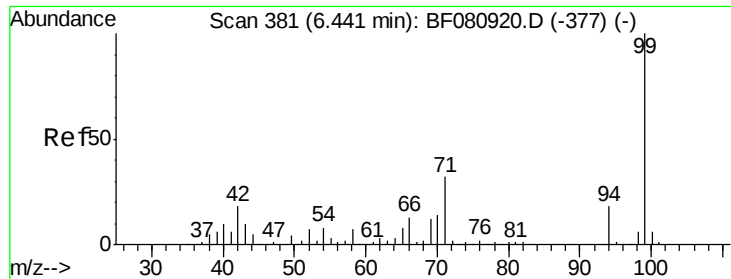
2-Fluorophenol
Concen: 13.47 ng
RT: 5.38 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:112 Resp: 66778
Ion Ratio Lower Upper
112 100
64 72.3 66.1 99.1
63 36.5 34.6 52.0



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: 14.95 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampled :

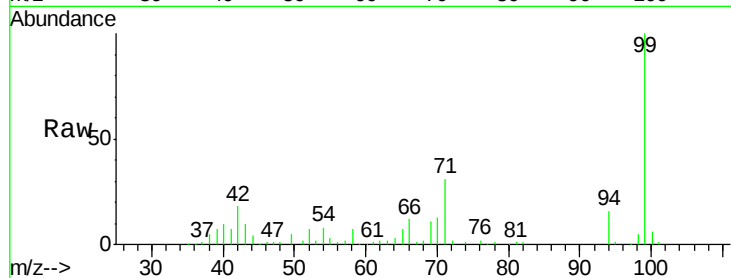
Tot Ion: 99 Resp: 101551

Ion Ratio Lower Upper

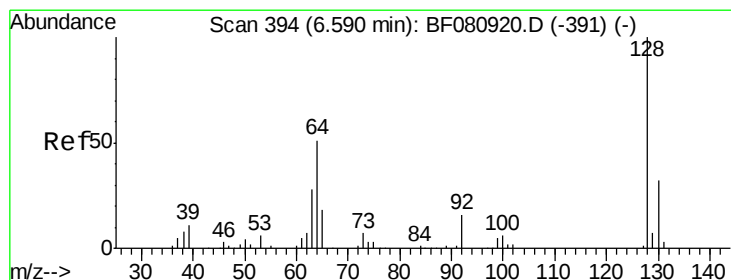
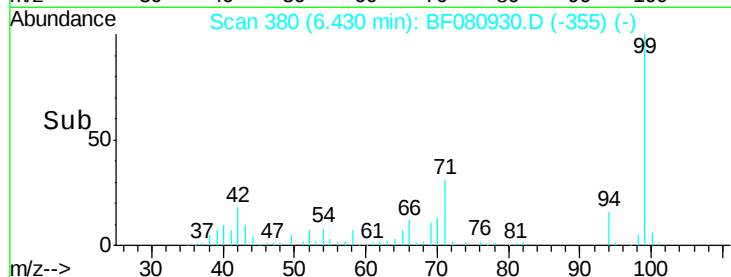
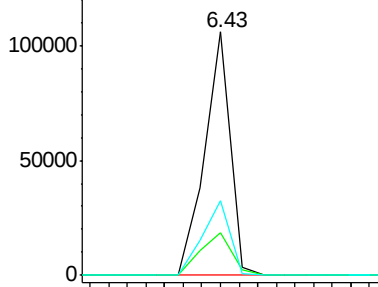
99 100

42 17.8 14.4 21.6

71 30.7 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 16.60 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

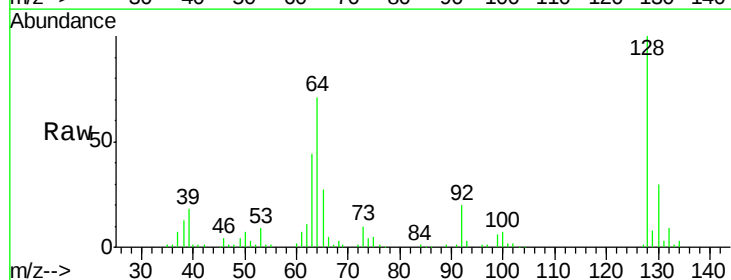
Tgt Ion: 128 Resp: 95213

Ion Ratio Lower Upper

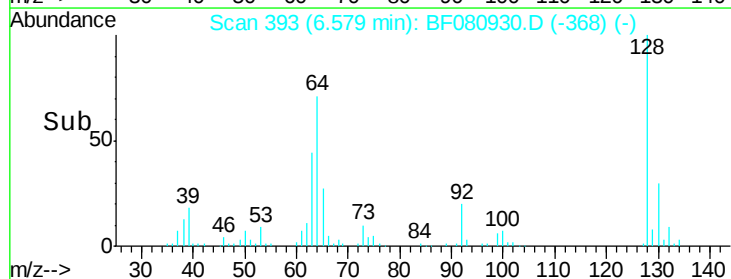
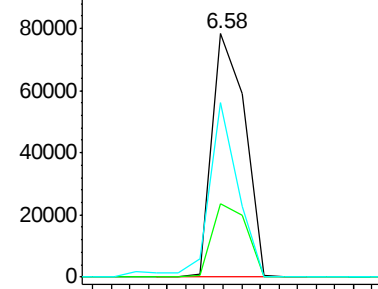
128 100

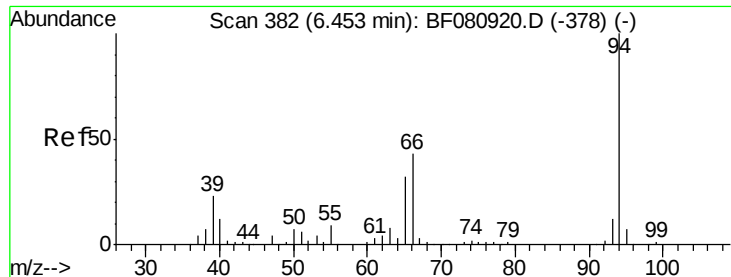
130 30.2 12.4 52.4

64 71.5 32.1 72.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 16.96 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampled :

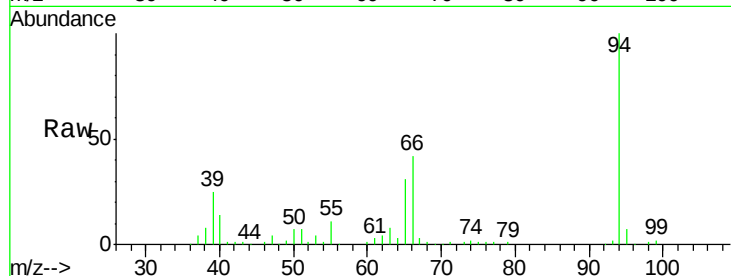
Tot Ion: 94 Resp: 136669

Ion Ratio Lower Upper

94 100

65 31.1 11.8 51.8

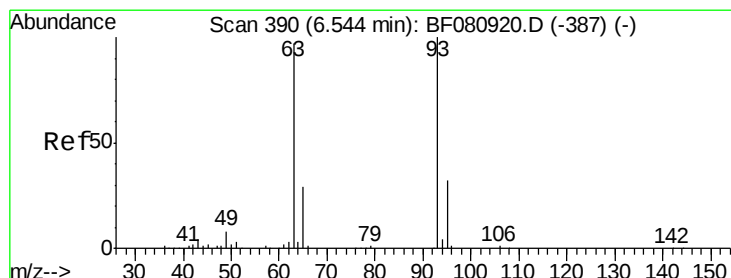
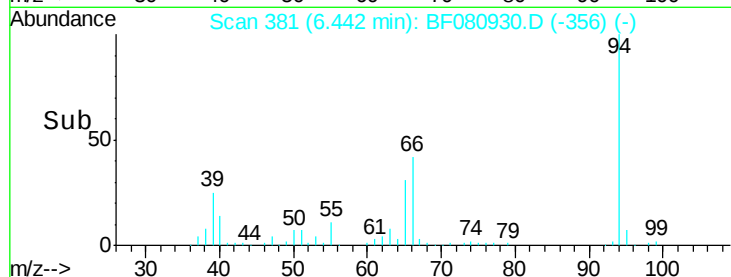
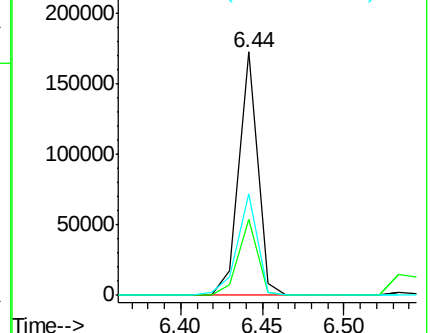
66 41.6 22.9 62.9



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



#11

bis(2-Chloroethyl)ether

Concen: 11.24 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

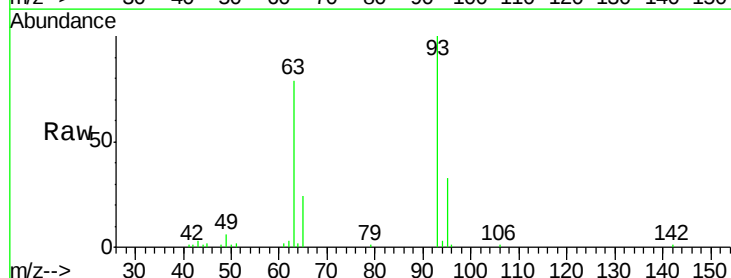
Tgt Ion: 93 Resp: 67638

Ion Ratio Lower Upper

93 100

63 78.8 76.7 116.7

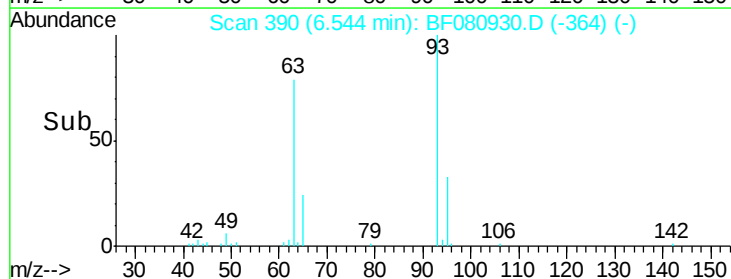
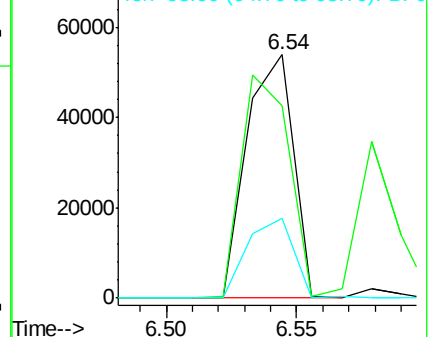
95 32.9 12.3 52.3

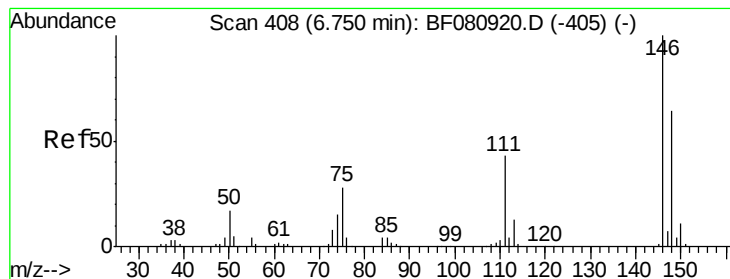


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 4.72 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.23 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampleId :

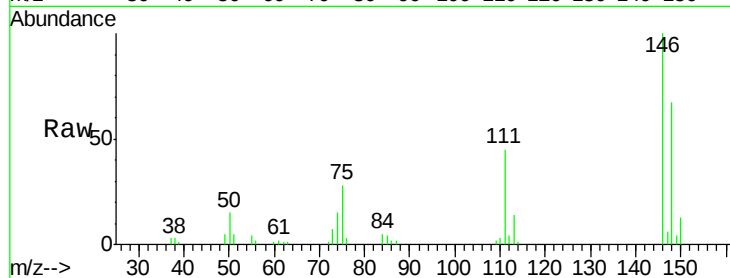
Tot Ion:146 Resp: 28730

Ion Ratio Lower Upper

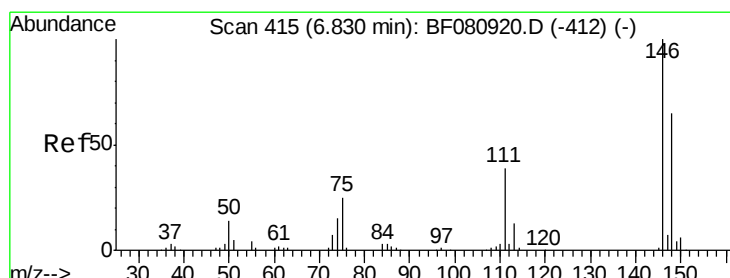
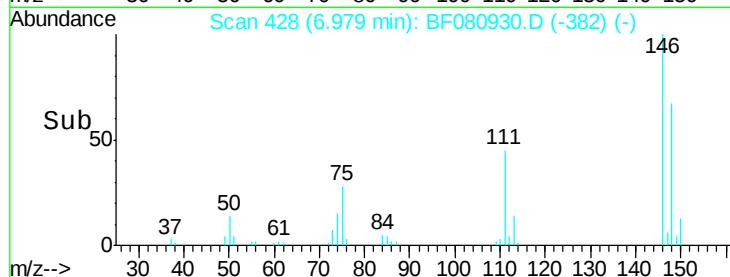
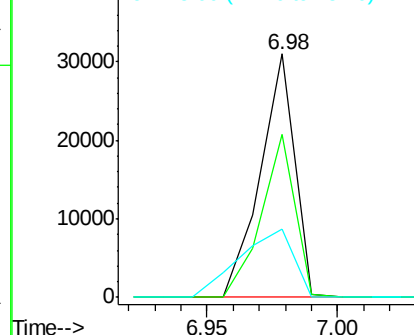
146 100

148 67.1 51.4 77.0

75 28.2 22.2 33.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 4.54 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.15 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

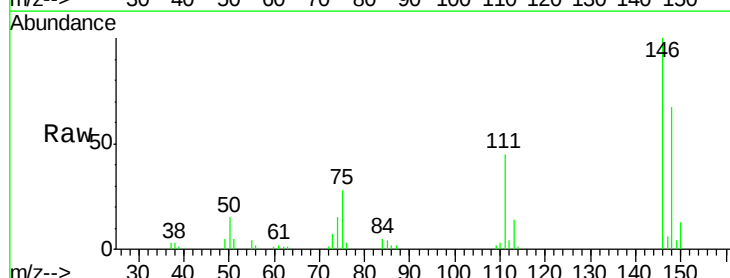
Tgt Ion:146 Resp: 28725

Ion Ratio Lower Upper

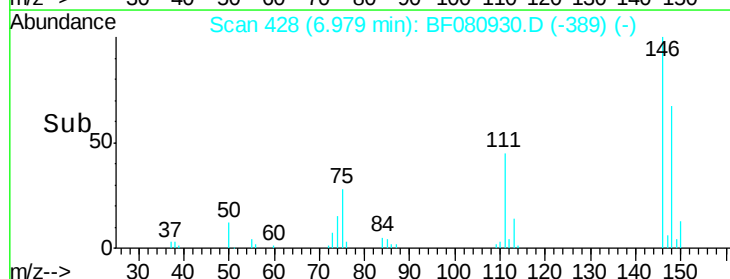
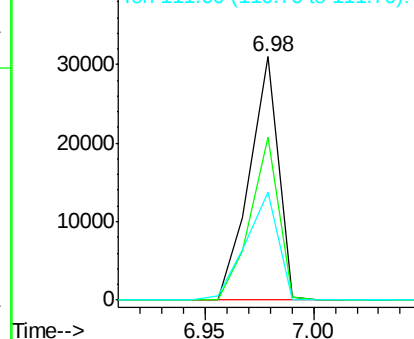
146 100

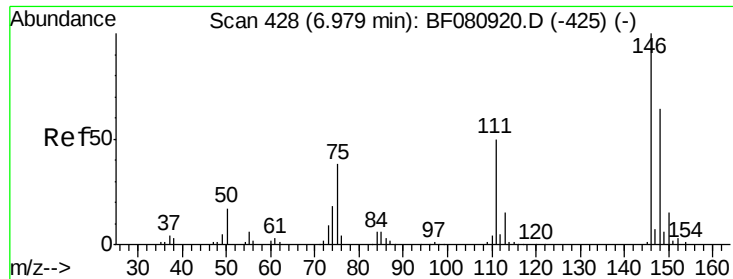
148 67.1 52.2 78.4

111 44.6 31.5 47.3



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 5.02 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampled :

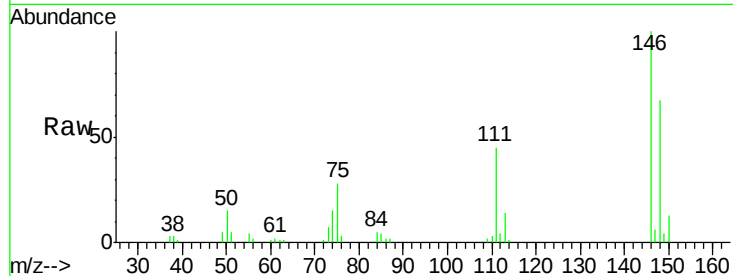
Tot Ion:146 Resp: 28725

Ion Ratio Lower Upper

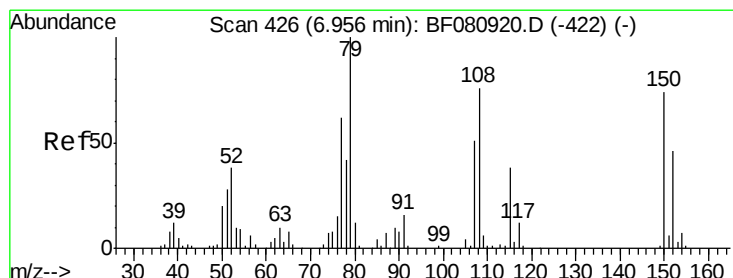
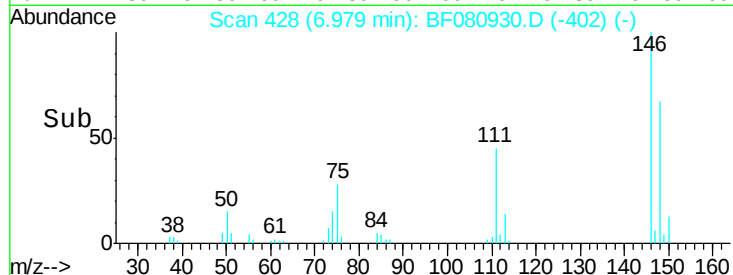
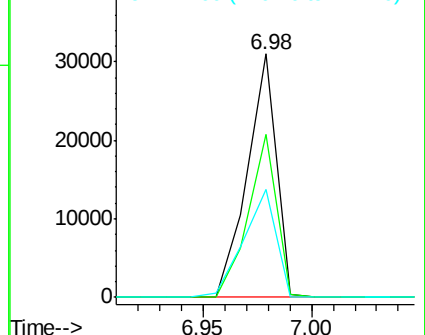
146 100

148 67.1 51.1 76.7

111 44.6 40.0 60.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 7.42 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.10 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

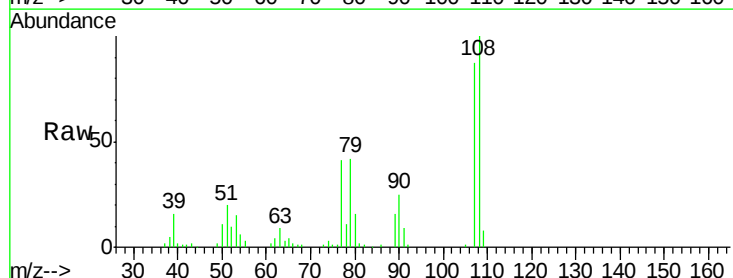
Tgt Ion: 79 Resp: 41225

Ion Ratio Lower Upper

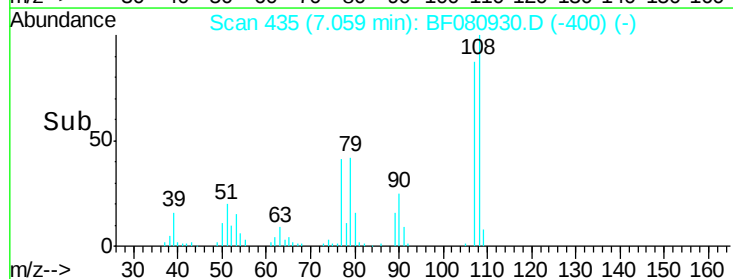
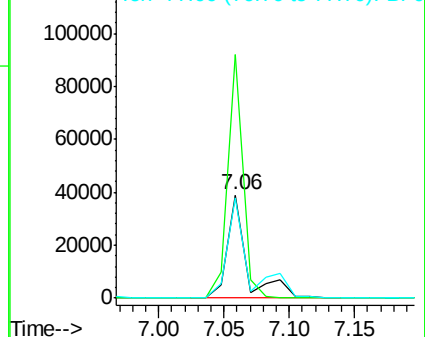
79 100

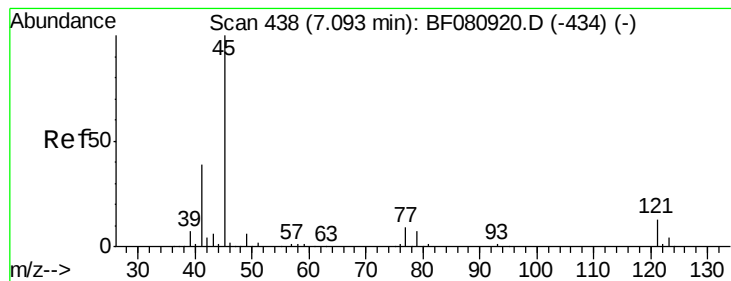
108 236.6 60.9 91.3#

77 97.8 49.4 74.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0

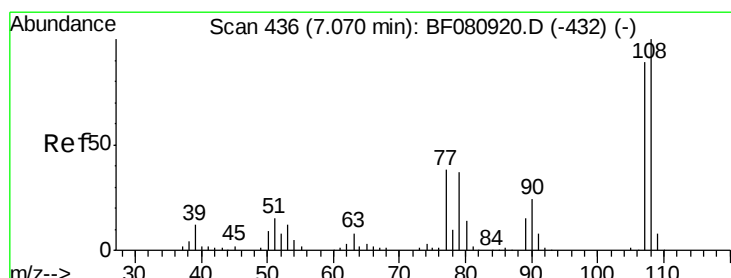
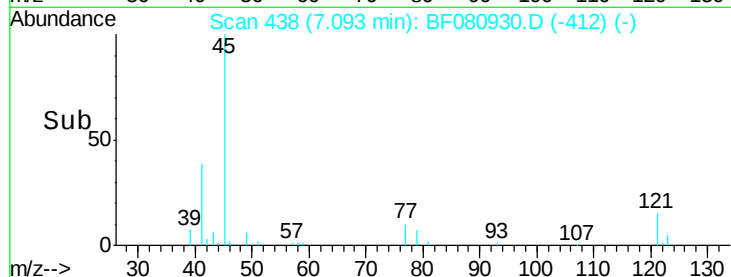
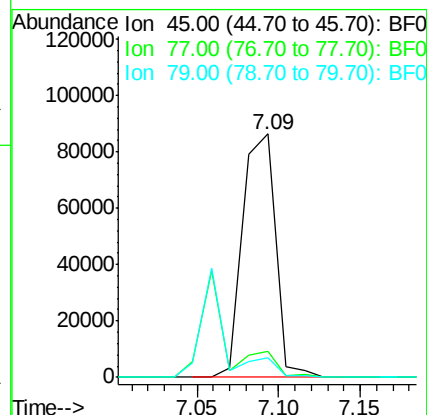
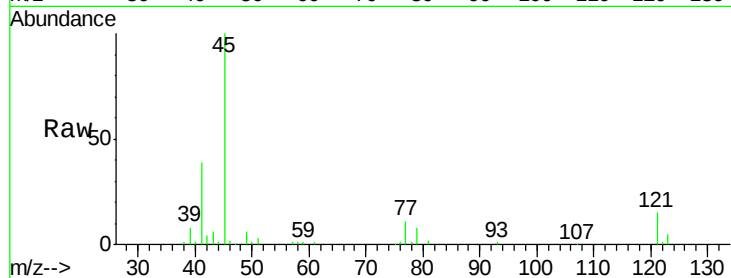




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 9.92 ng
RT: 7.09 min Scan# 438
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

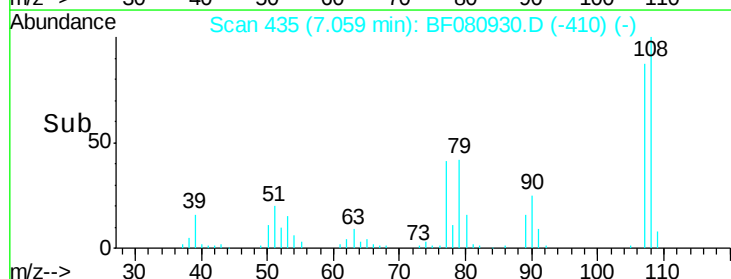
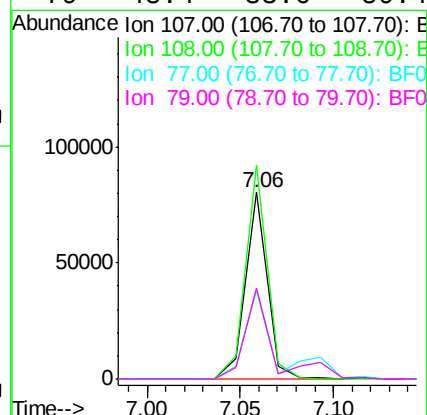
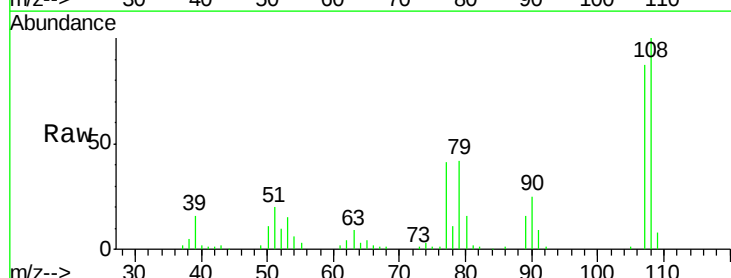
Instrument :
BNA_F
ClientSampleId :

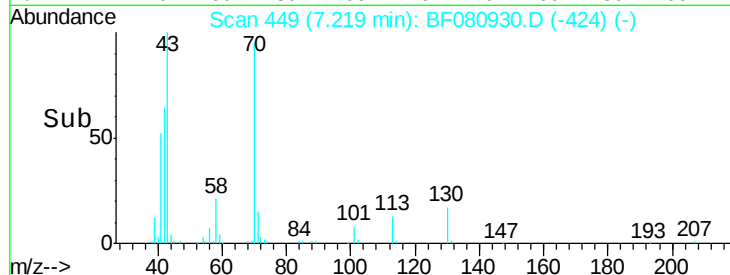
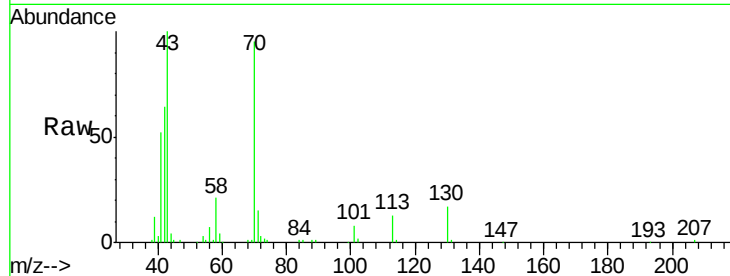
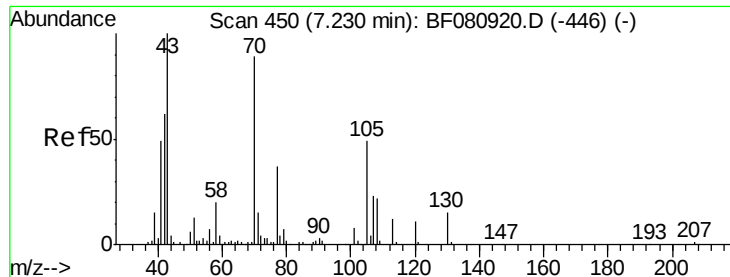
Tot Ion	Ratio	Lower	Upper
45	100		
77	10.7	0.0	29.6
79	8.2	0.0	27.7



#17
2-Methylphenol
Concen: 13.38 ng
RT: 7.06 min Scan# 435
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion	Ratio	Lower	Upper
107	100		
108	114.5	90.3	135.5
77	47.3	34.6	51.8
79	48.4	33.6	50.4

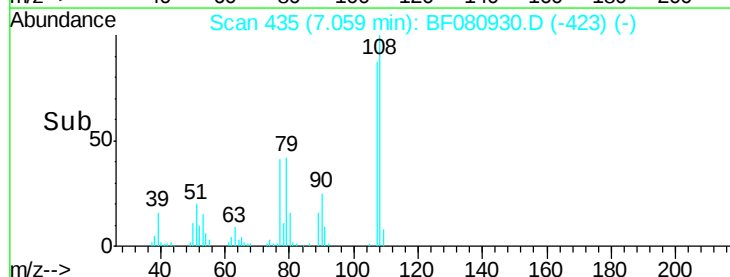
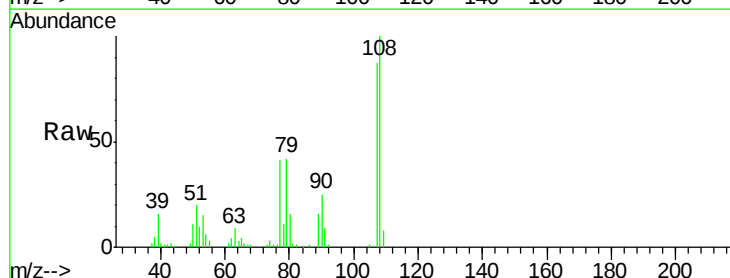
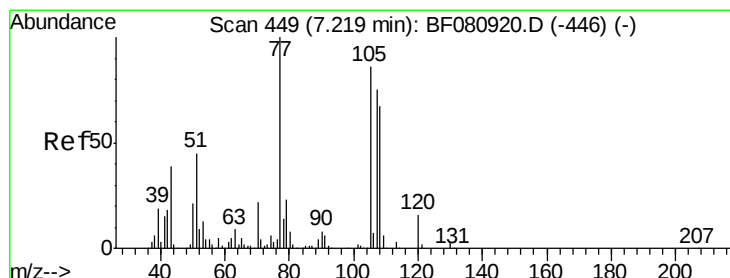
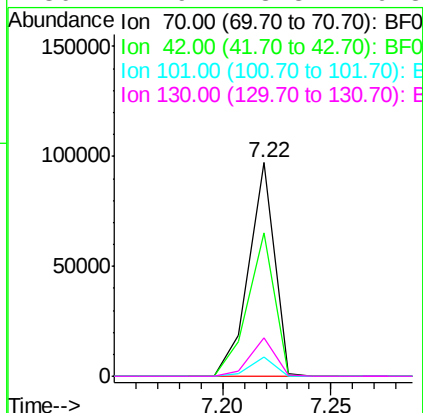




#19
n-Nitroso-di-n-propylamine
Concen: 16.24 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

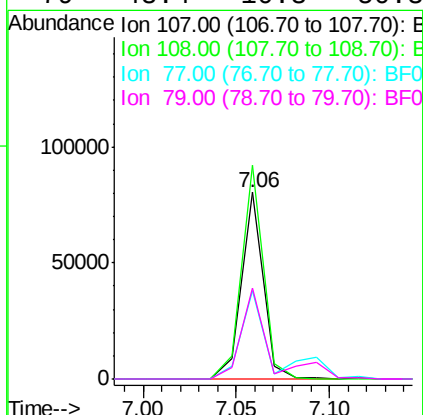
Instrument :
BNA_F
ClientSampled :

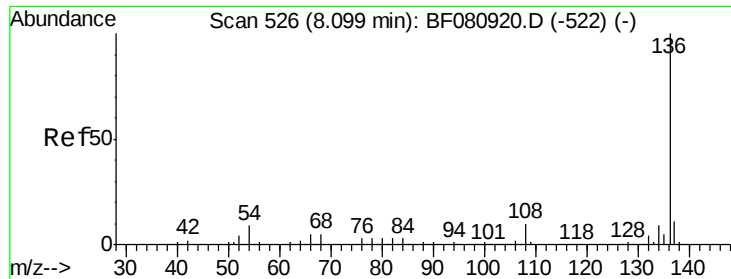
Tot Ion	Ratio	Lower	Upper
70	100		
42	67.3	55.7	83.5
101	8.9	7.0	10.6
130	17.9	13.8	20.8



#20
3+4-Methylphenols
Concen: 10.65 ng
RT: 7.06 min Scan# 435
Delta R.T. -0.16 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion	Ratio	Lower	Upper
107	100		
108	114.5	69.2	109.2#
77	47.3	113.0	153.0#
79	48.4	10.3	50.3

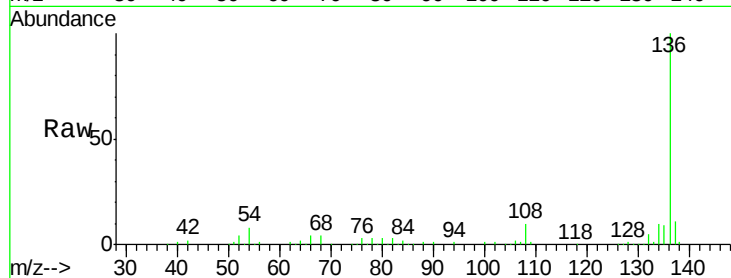




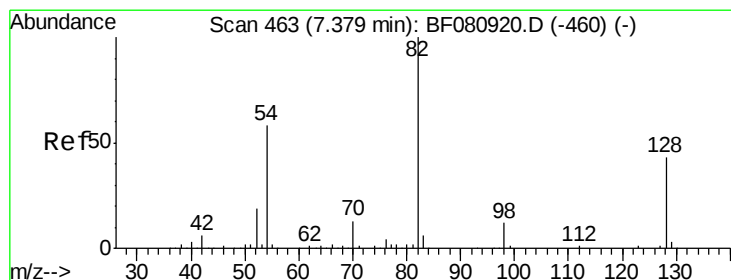
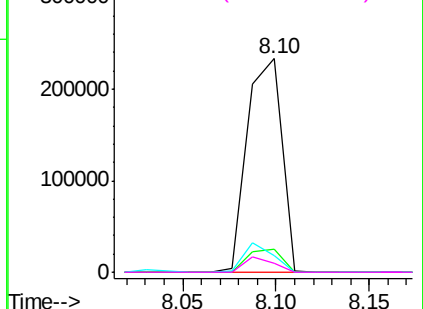
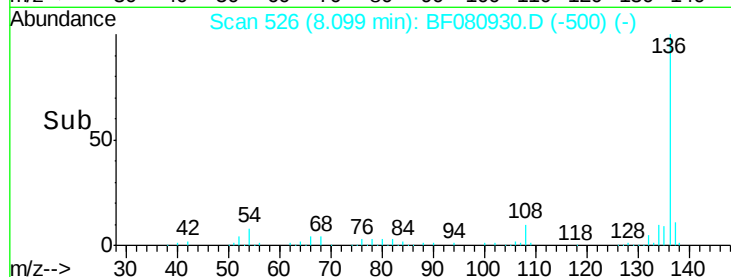
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	305144
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.5 12.7
54	7.6	7.1 10.7
68	4.3	3.8 5.8

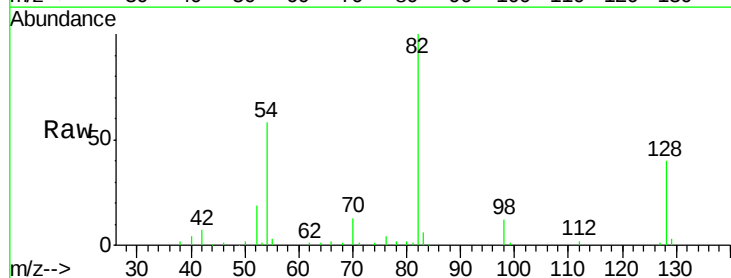


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

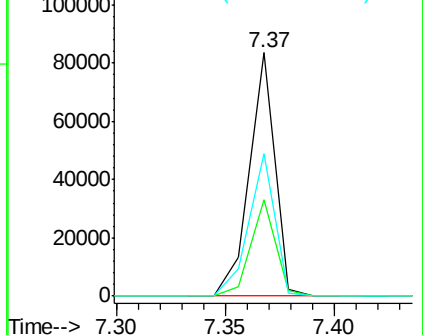
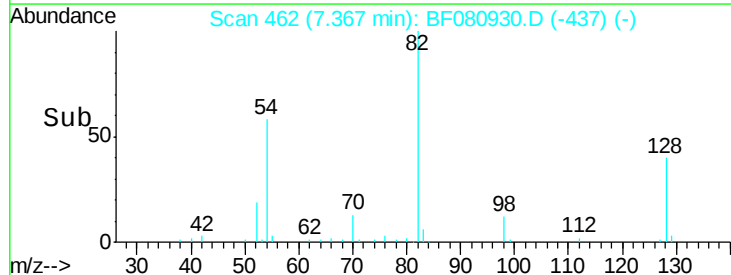


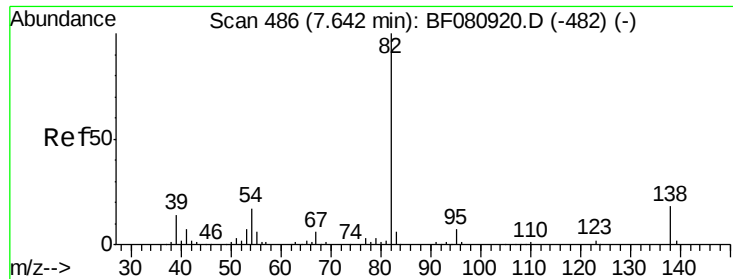
#23
Nitrobenzene-d5
Concen: 10.53 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion: 82	Resp:	67899
Ion Ratio	Lower	Upper
82	100	
128	39.8	34.1 51.1
54	58.4	46.5 69.7



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





#25

Isophorone

Concen: 24.89 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.01 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampled :

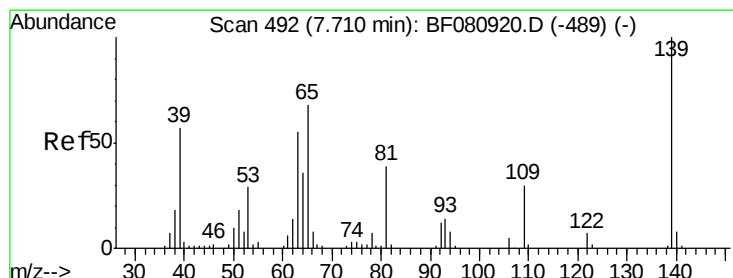
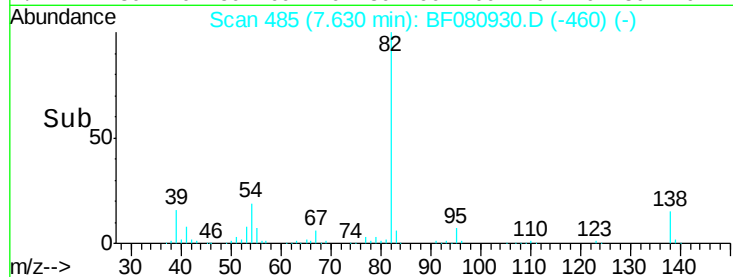
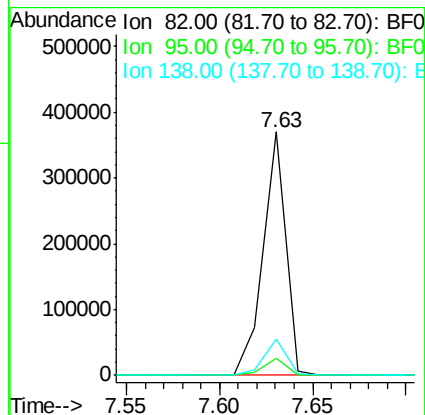
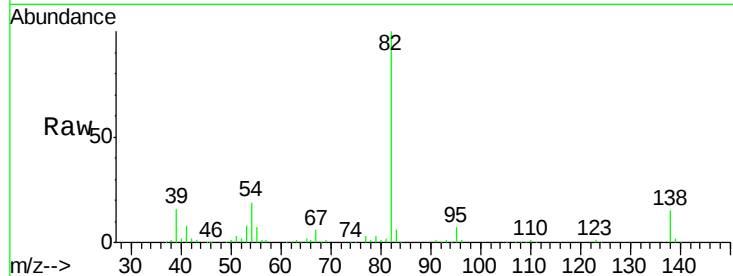
Tot Ion: 82 Resp: 308754

Ion Ratio Lower Upper

82 100

95 7.1 5.8 8.6

138 15.0 14.1 21.1



#26

2-Nitrophenol

Concen: 8.65 ng

RT: 7.71 min Scan# 492

Delta R.T. 0.00 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

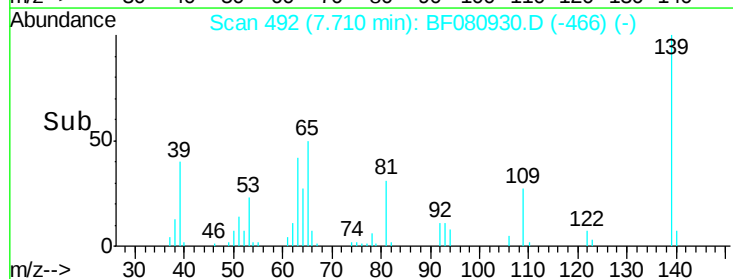
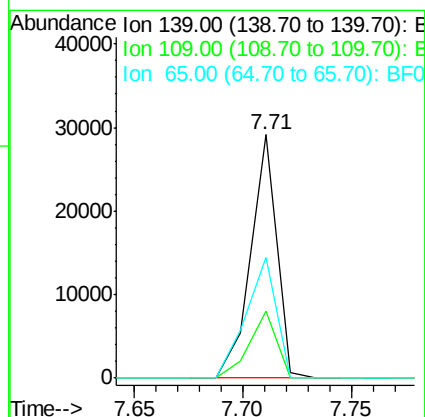
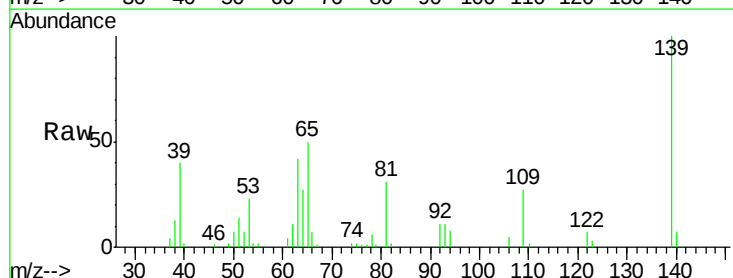
Tgt Ion: 139 Resp: 24168

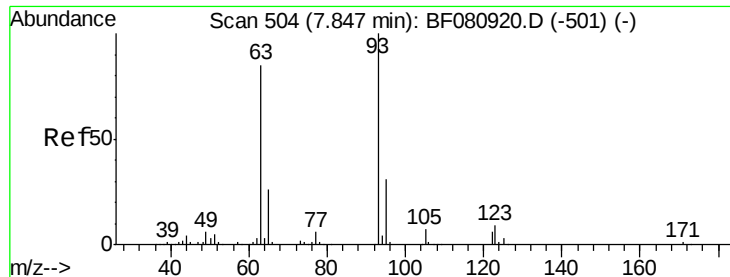
Ion Ratio Lower Upper

139 100

109 27.3 24.1 36.1

65 49.8 54.0 81.0#

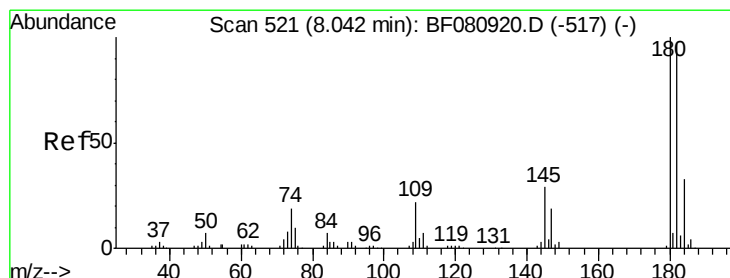
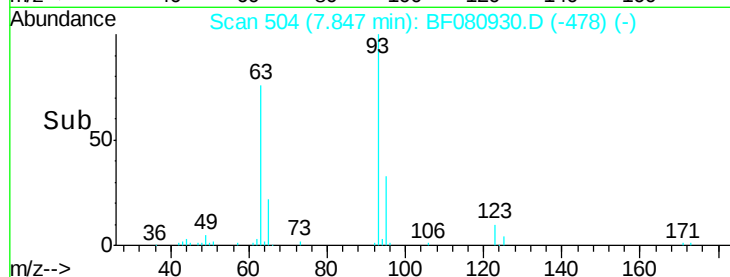
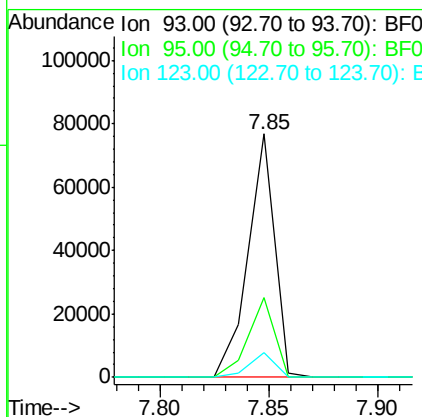
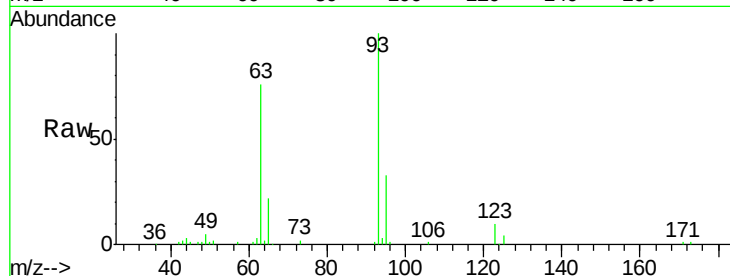




#28
 bis(2-Chloroethoxy)methane
 Concen: 8.71 ng
 RT: 7.85 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

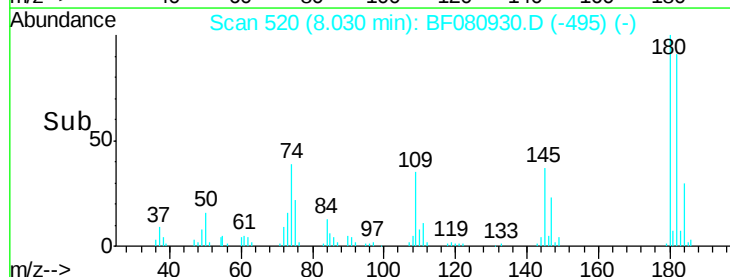
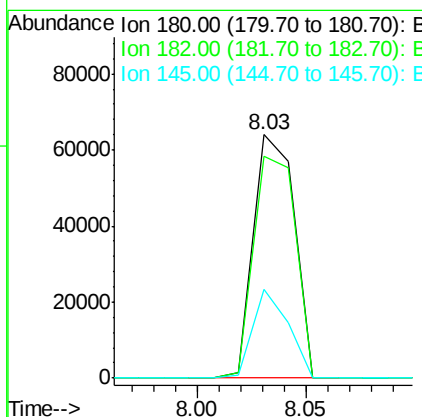
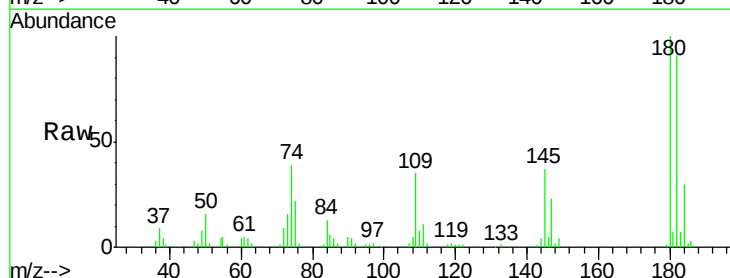
Instrument :
 BNA_F
 ClientSampleId :

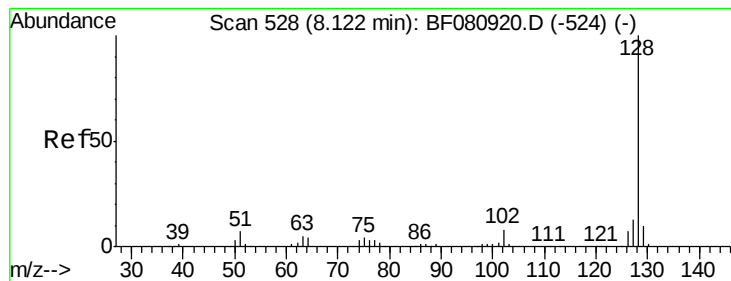
Tot Ion: 93 Resp: 64894
 Ion Ratio Lower Upper
 93 100
 95 32.7 25.0 37.4
 123 10.0 7.4 11.0



#30
 1,2,4-Trichlorobenzene
 Concen: 17.88 ng
 RT: 8.03 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Tgt Ion: 180 Resp: 84048
 Ion Ratio Lower Upper
 180 100
 182 91.3 77.4 116.0
 145 36.6 23.2 34.8#





#31

Naphthalene

Concen: 9.98 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampleId :

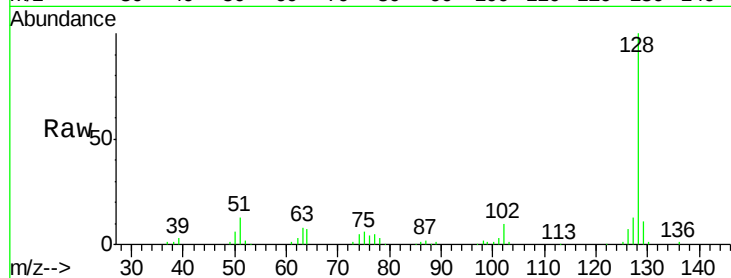
Tot Ion:128 Resp: 167788

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

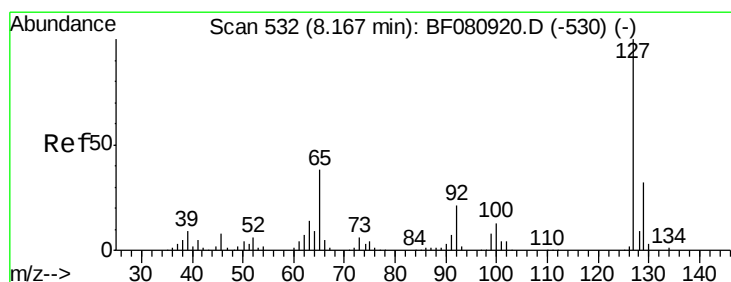
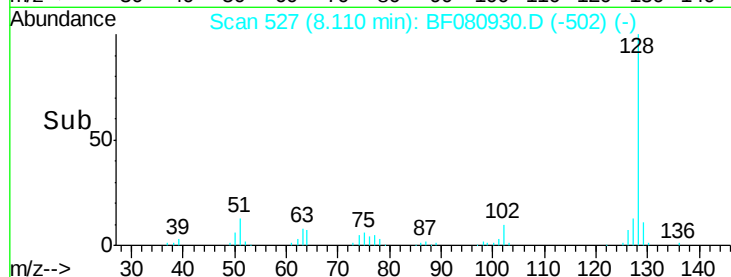
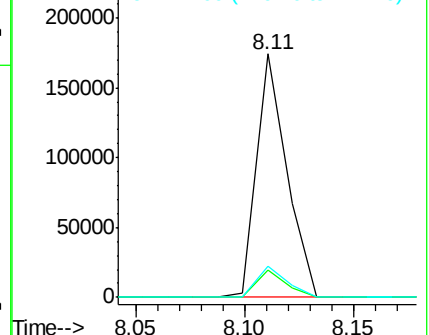
127 13.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 3.16 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.06 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Tgt Ion:127 Resp: 21593

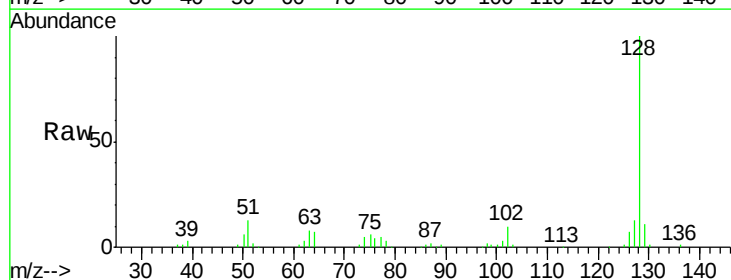
Ion Ratio Lower Upper

127 100

129 84.9 25.9 38.9#

65 0.0 30.6 45.8#

92 0.0 16.9 25.3#

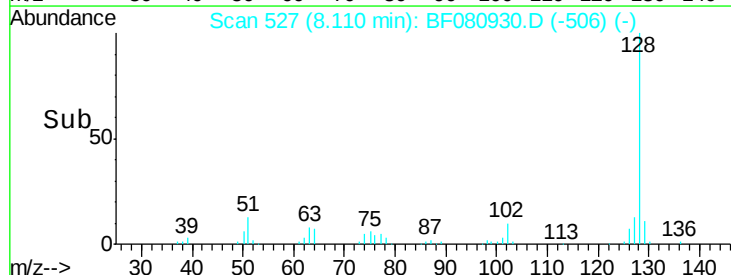
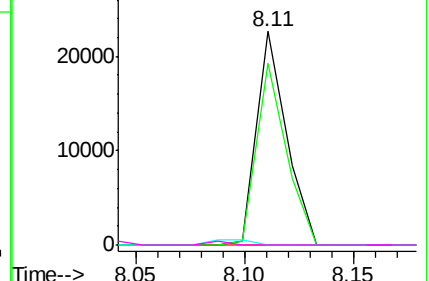


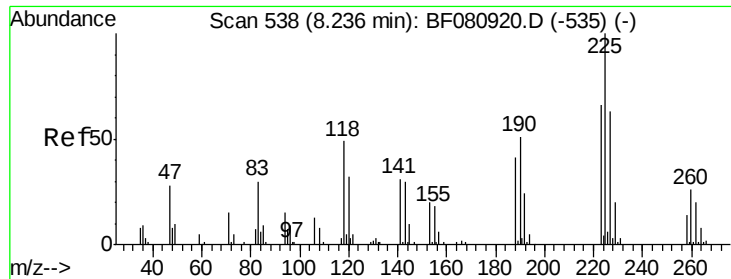
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#34

Hexachlorobutadiene

Concen: 13.19 ng

RT: 8.24 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampled :

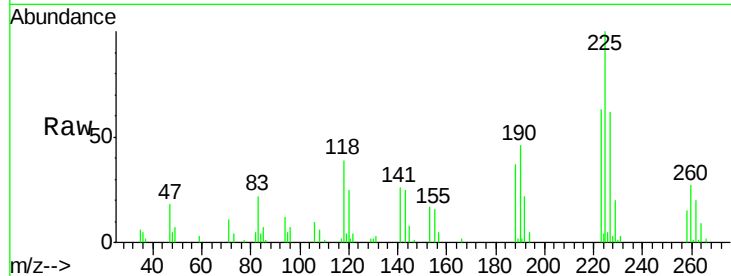
Tot Ion:225 Resp: 36882

Ion Ratio Lower Upper

225 100

223 63.0 52.5 78.7

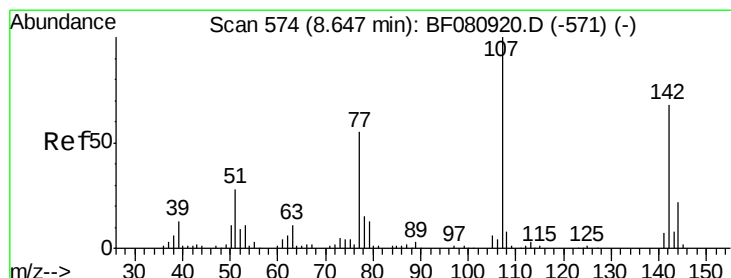
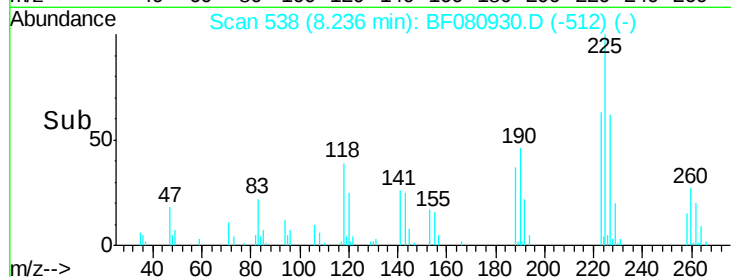
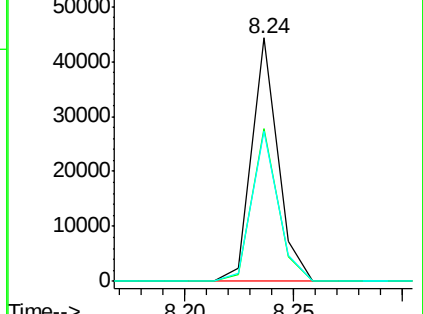
227 61.8 50.3 75.5



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#36

4-Chloro-3-methylphenol

Concen: 11.26 ng

RT: 8.64 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

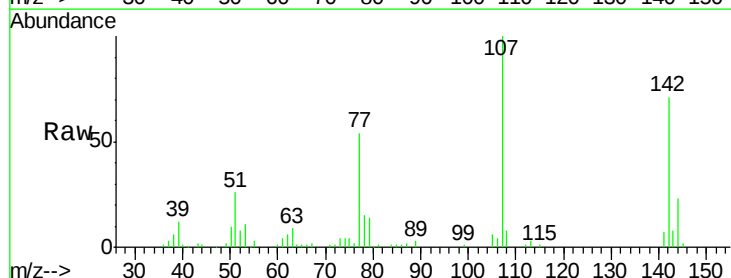
Tgt Ion:107 Resp: 59069

Ion Ratio Lower Upper

107 100

144 22.9 17.3 25.9

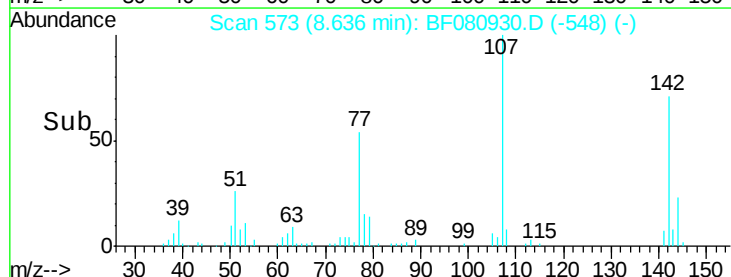
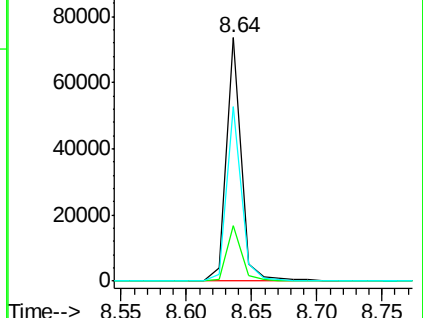
142 71.4 54.4 81.6

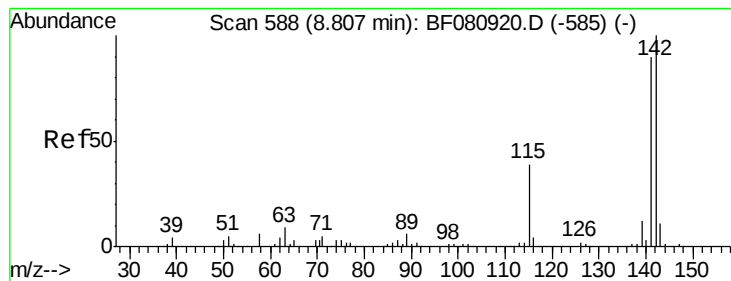


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 14.85 ng

RT: 8.81 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampleId :

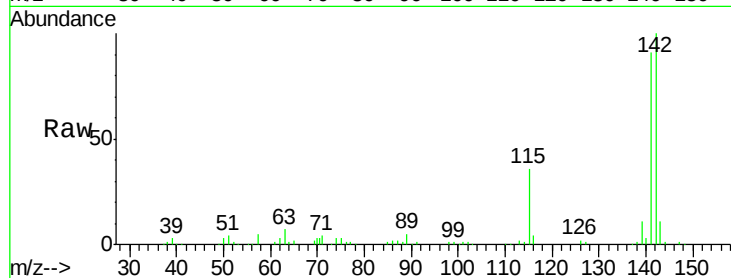
Tot Ion:142 Resp: 158983

Ion Ratio Lower Upper

142 100

141 90.9 71.7 107.5

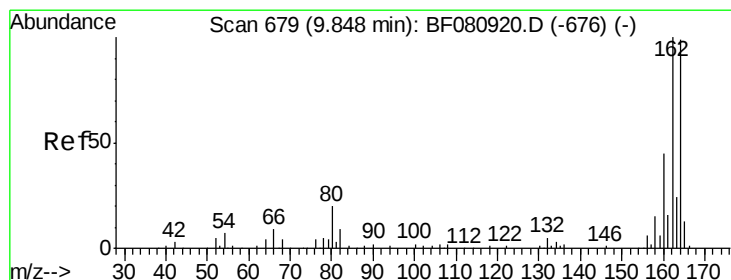
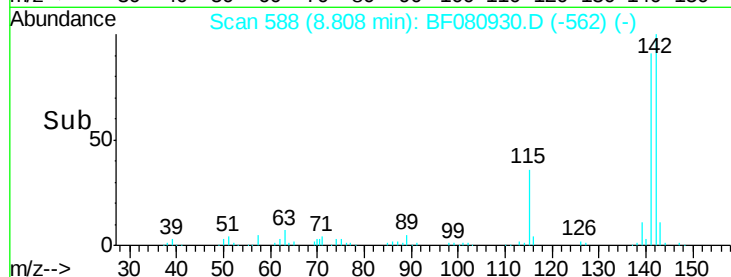
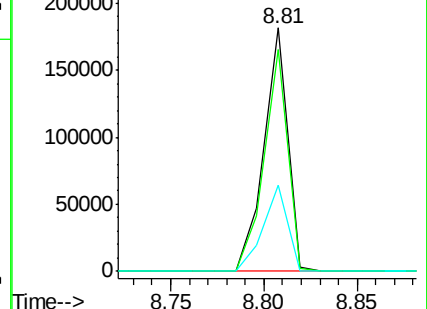
115 35.6 30.9 46.3



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: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

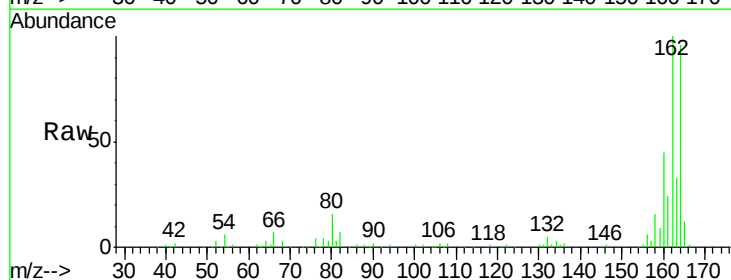
Tgt Ion:164 Resp: 162831

Ion Ratio Lower Upper

164 100

162 104.1 80.5 120.7

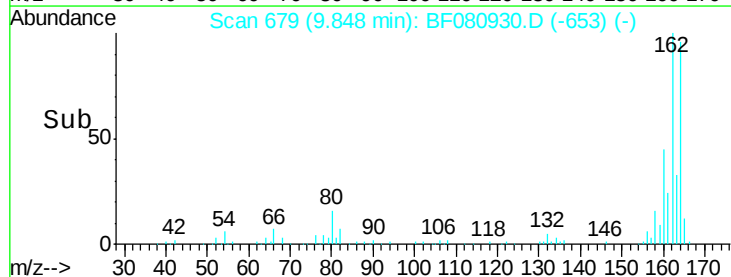
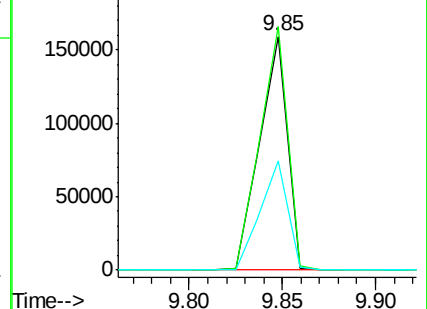
160 46.7 36.6 54.8

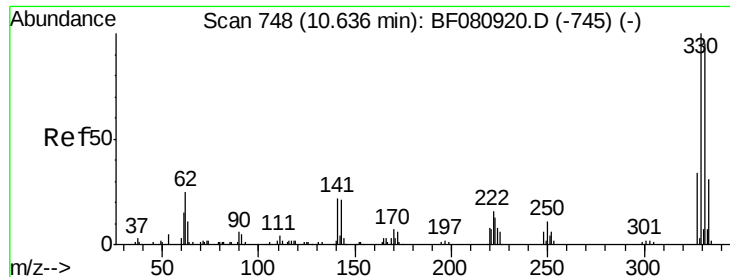


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

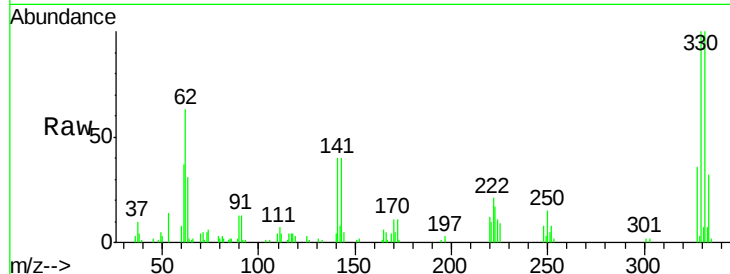




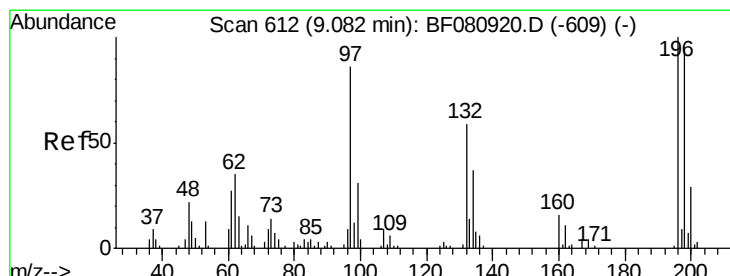
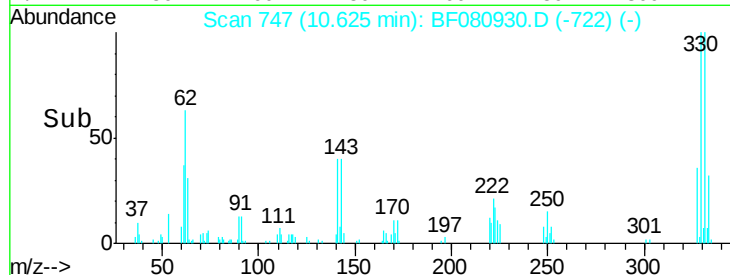
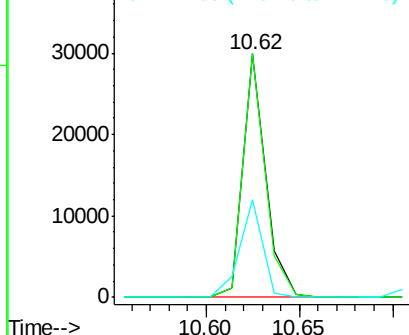
#41
 2,4,6-Tribromophenol
 Concen: 14.25 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 25499
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.2 114.4
 141 40.3 27.8 41.8

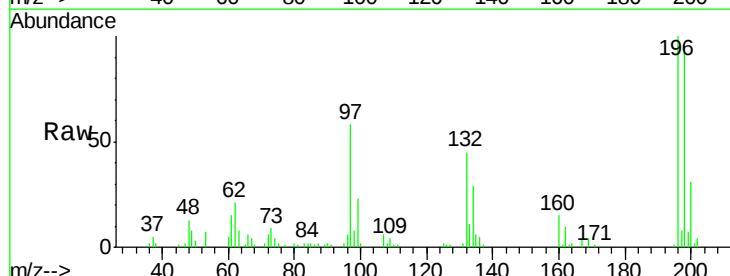


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

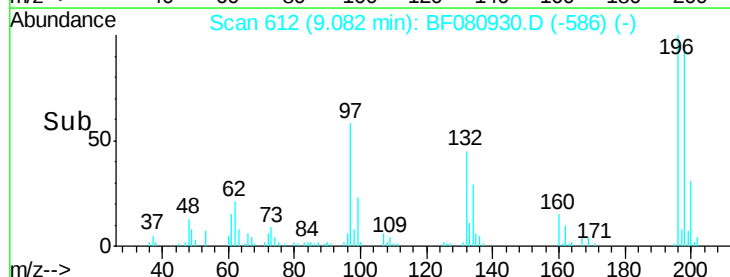
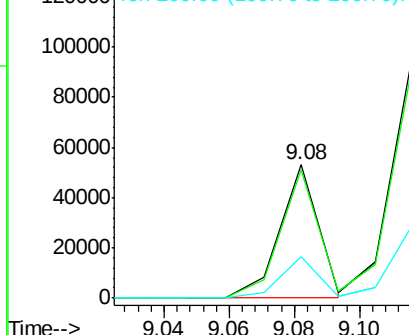


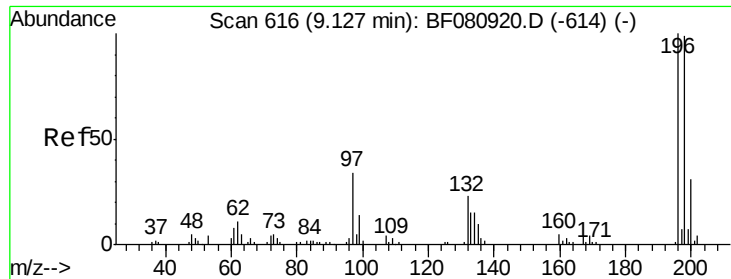
#42
 2,4,6-Trichlorophenol
 Concen: 11.90 ng
 RT: 9.08 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Tgt Ion:196 Resp: 43771
 Ion Ratio Lower Upper
 196 100
 198 95.9 75.9 113.9
 200 31.0 23.1 34.7



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

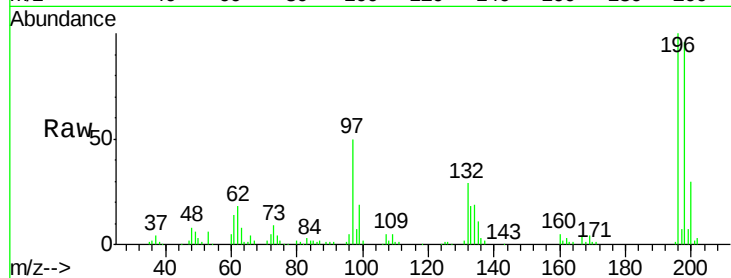




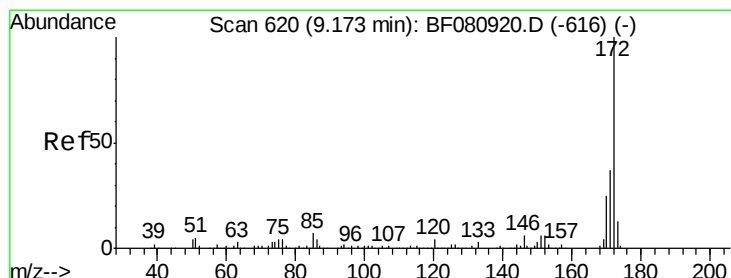
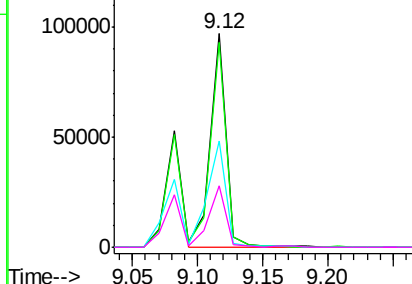
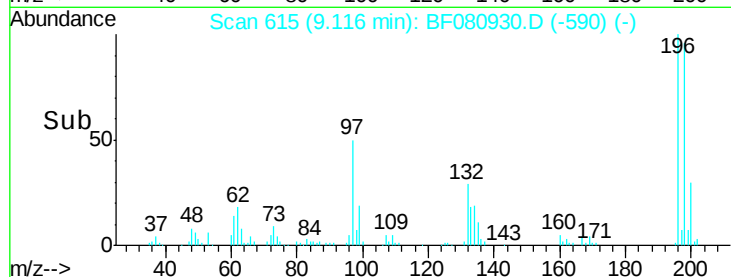
#43
 2,4,5-Trichlorophenol
 Concen: 22.03 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.0	78.9	118.3
97	49.9	29.1	43.7
132	28.6	19.1	28.7

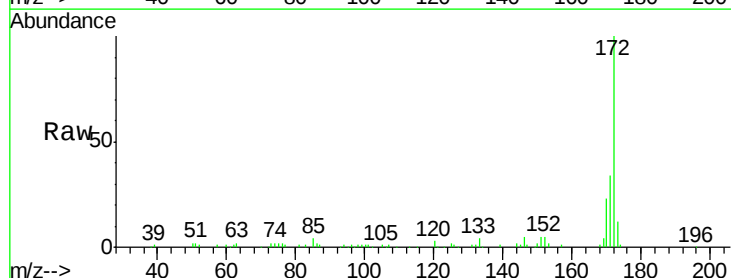


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

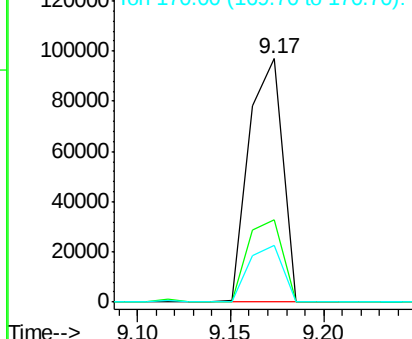
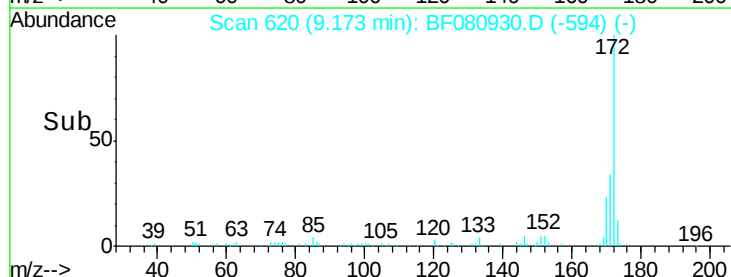


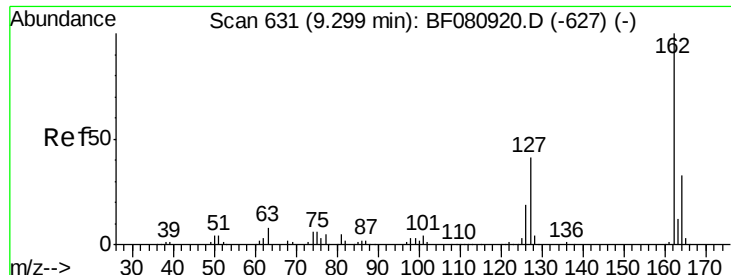
#44
 2-Fluorobiphenyl
 Concen: 10.46 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.4	44.0
170	23.2	19.7	29.5



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

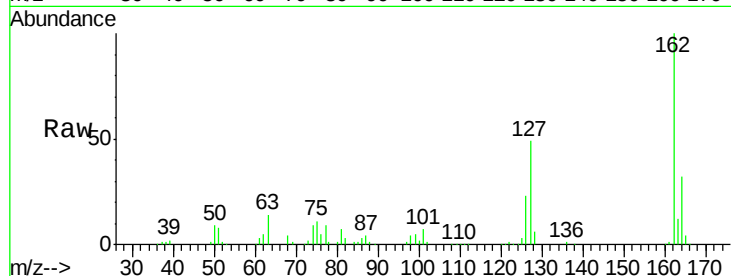




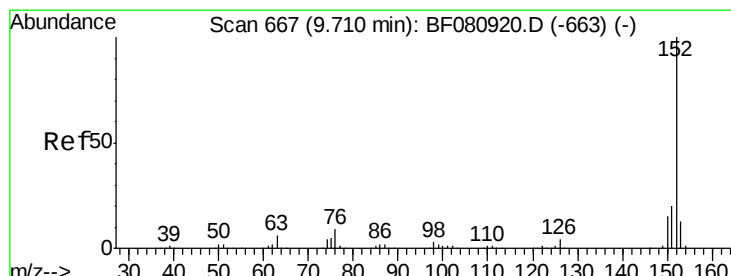
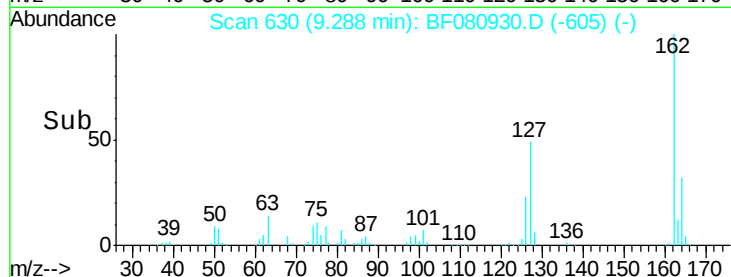
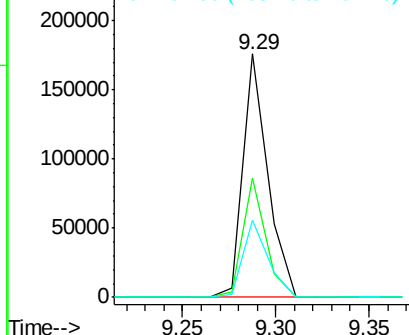
#46
 2-Chloronaphthalene
 Concen: 14.87 ng
 RT: 9.29 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:162 Resp: 162036
 Ion Ratio Lower Upper
 162 100
 127 49.0 32.5 48.7#
 164 31.9 26.2 39.4

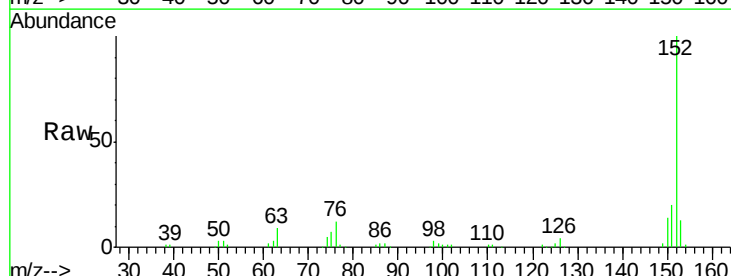


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

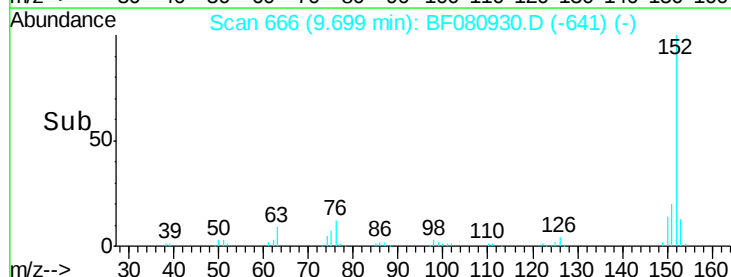
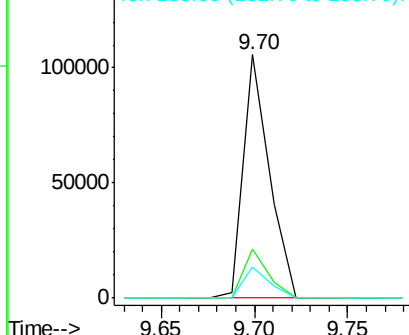


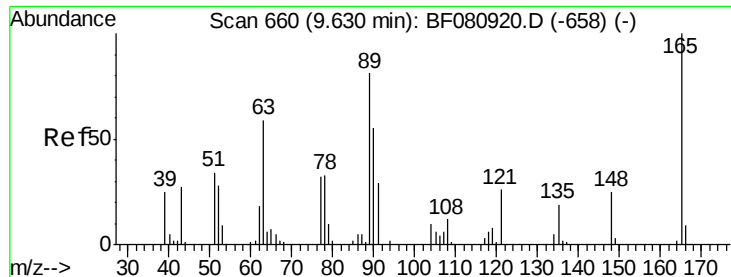
#48
 Acenaphthylene
 Concen: 5.41 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Tgt Ion:152 Resp: 102541
 Ion Ratio Lower Upper
 152 100
 151 20.1 16.3 24.5
 153 12.9 10.5 15.7



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

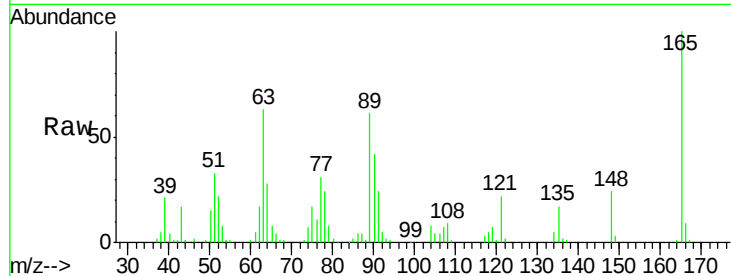




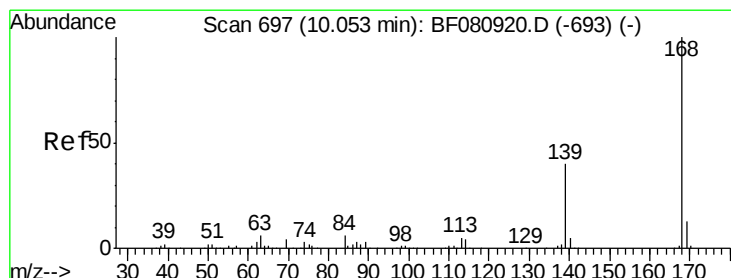
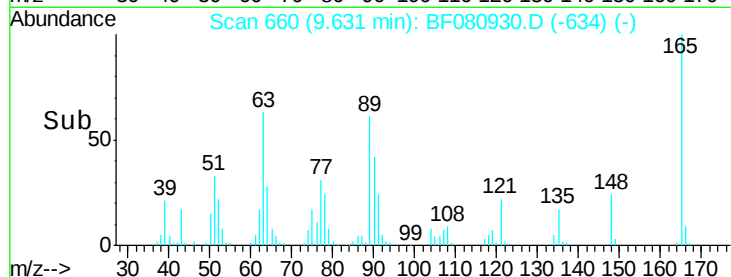
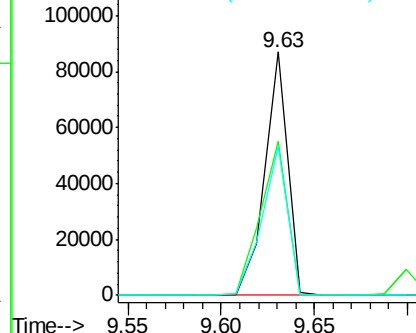
#50
2,6-Dinitrotoluene
Concen: 26.23 ng
RT: 9.63 min Scan# 660
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 73289
Ion Ratio Lower Upper
165 100
63 63.4 77.6 116.4#
89 61.3 64.5 96.7#

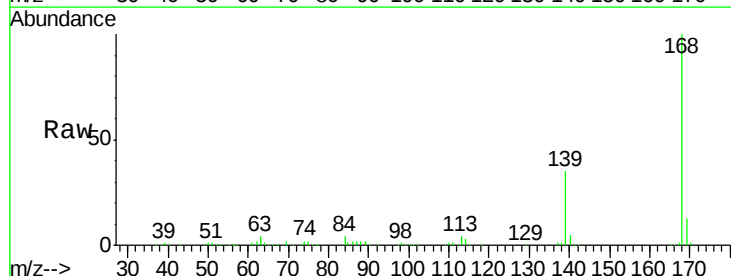


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

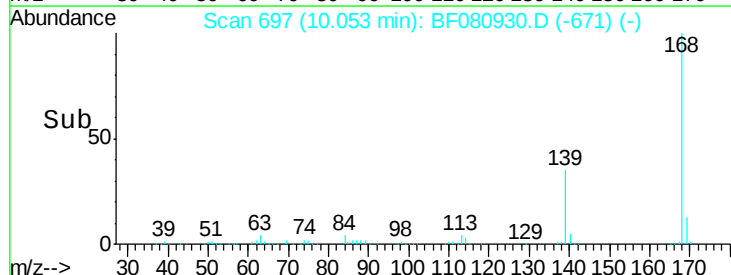
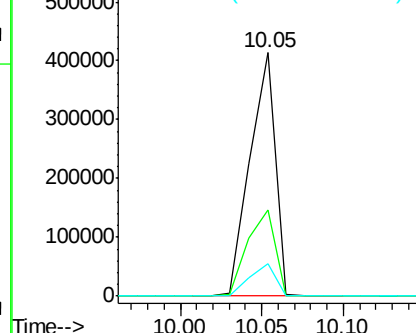


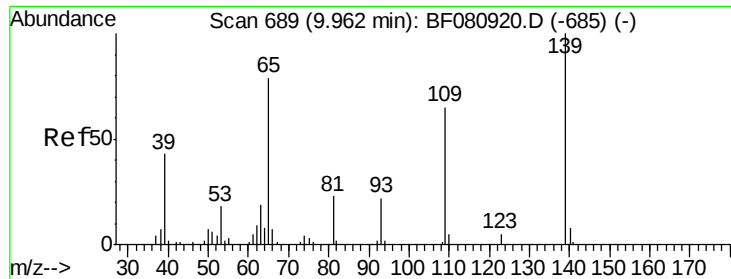
#54
Dibenzofuran
Concen: 28.32 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:168 Resp: 444188
Ion Ratio Lower Upper
168 100
139 35.4 31.9 47.9
169 13.1 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 66.13 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.09 min

Lab File: BF080930.D

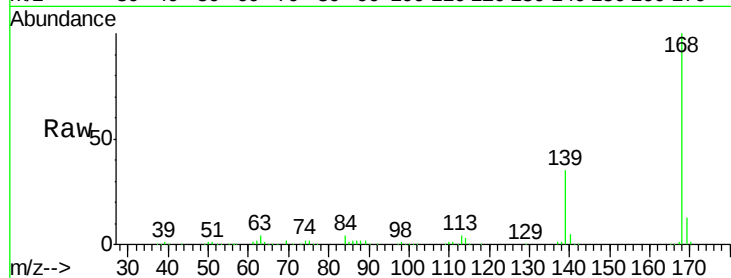
Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampleId :

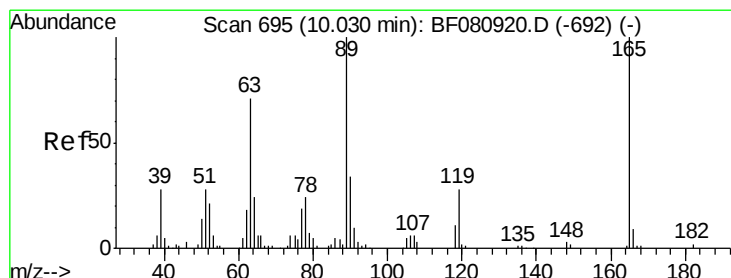
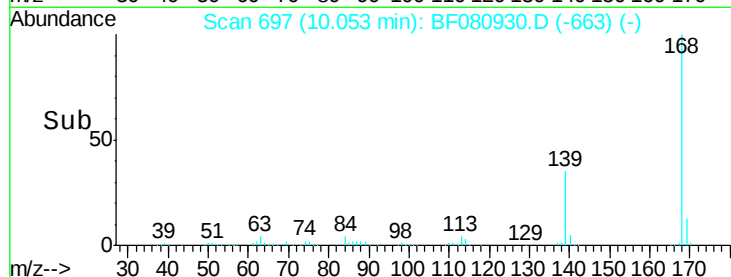
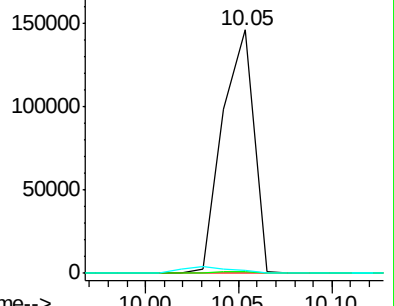
Tot Ion:	139	Resp:	170521
Ion Ratio	Lower	Upper	
139	100		
109	0.8	44.7	84.7#
65	1.2	59.5	99.5#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 20.12 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

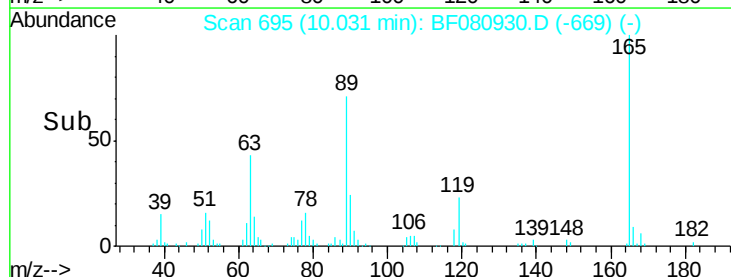
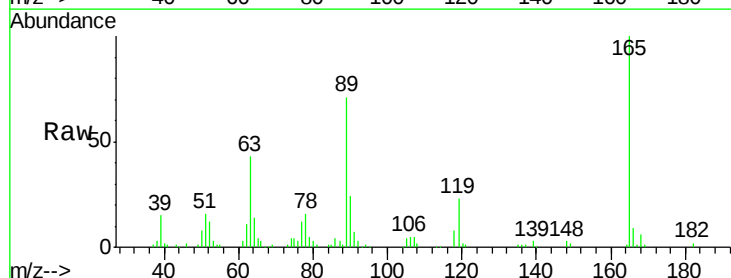
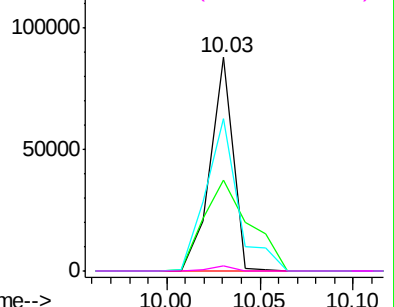
Tgt Ion:	165	Resp:	75232
Ion Ratio	Lower	Upper	
165	100		
63	42.5	56.7	85.1#
89	71.2	80.4	120.6#
182	2.2	1.5	2.3

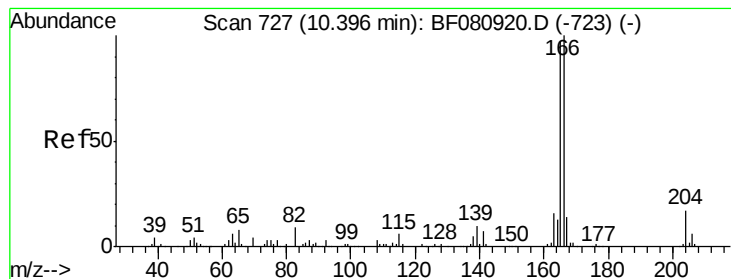
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 11.10 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampleId :

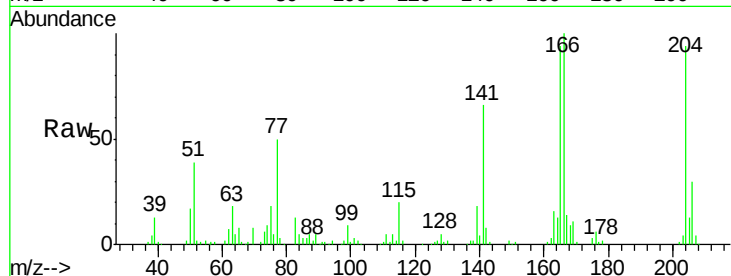
Tot Ion:166 Resp: 134680

Ion Ratio Lower Upper

166 100

165 93.7 77.2 115.8

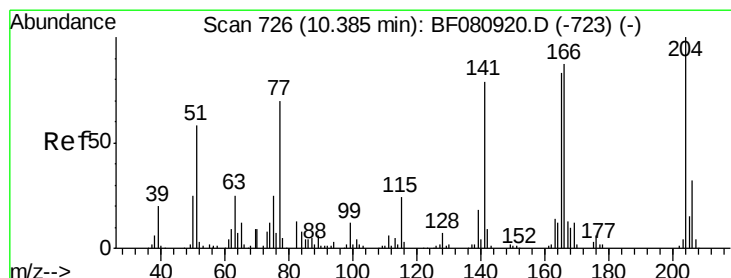
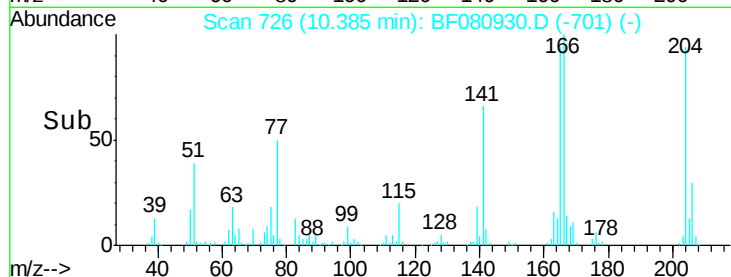
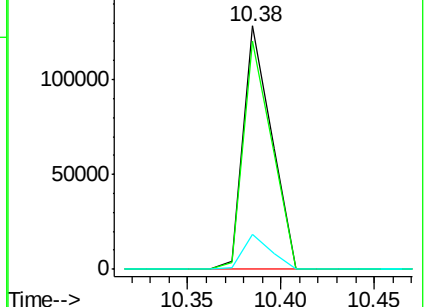
167 14.3 10.8 16.2



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



#60

4-Chlorophenyl-phenylether

Concen: 16.10 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

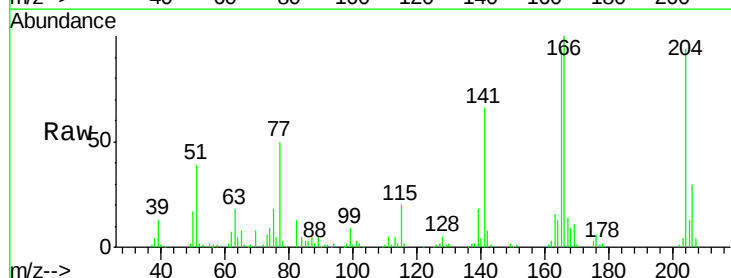
Tgt Ion:204 Resp: 95201

Ion Ratio Lower Upper

204 100

206 32.0 25.5 38.3

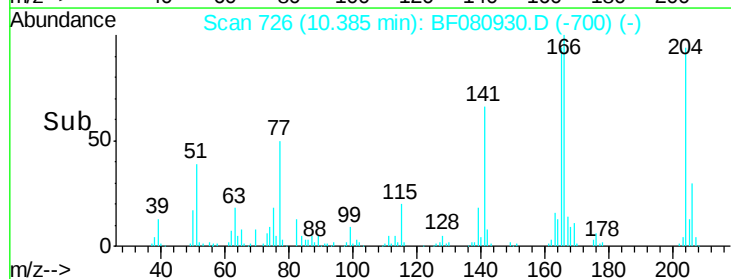
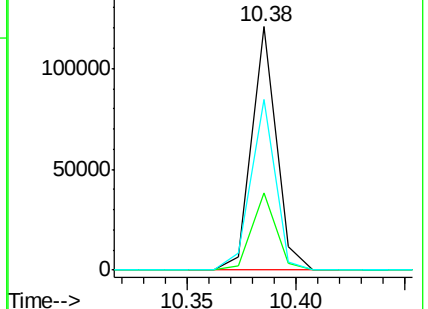
141 69.9 63.4 95.0

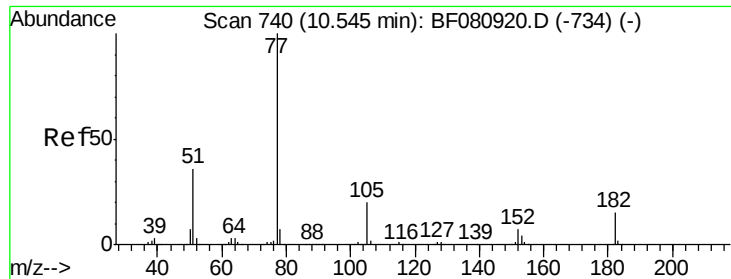


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#62

Azobenzene

Concen: 3.29 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.16 min

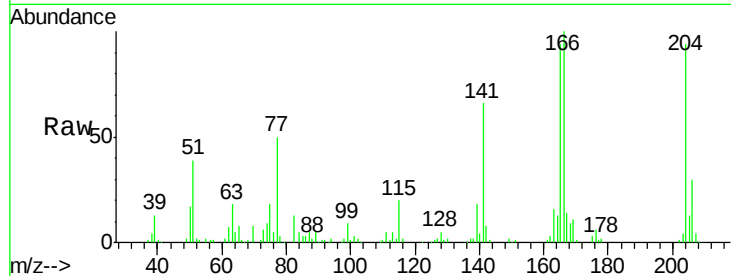
Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampled :



Tot Ion: 77 Resp: 51806

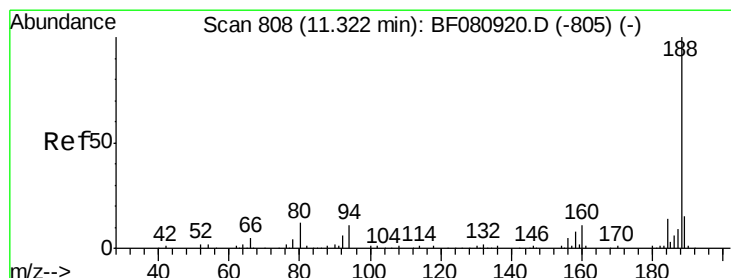
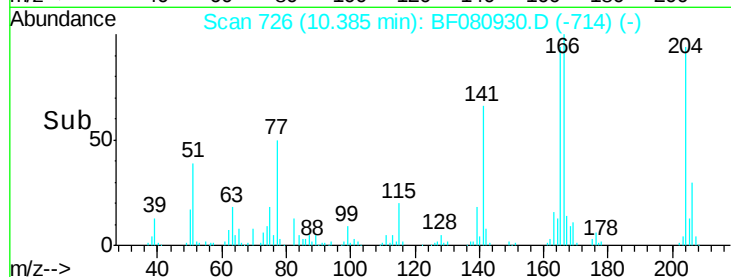
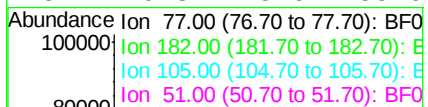
Ion Ratio Lower Upper

77 100

182 0.0 0.0 35.5

105 0.0 0.5 40.5#

51 79.3 15.6 55.6#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

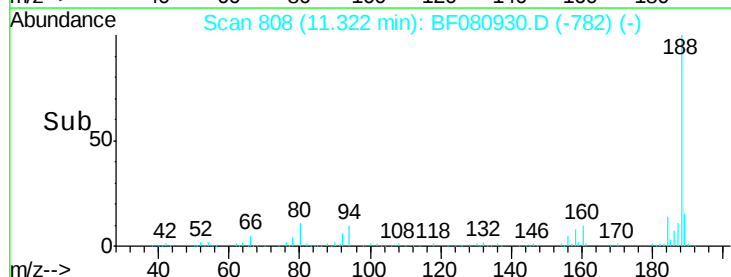
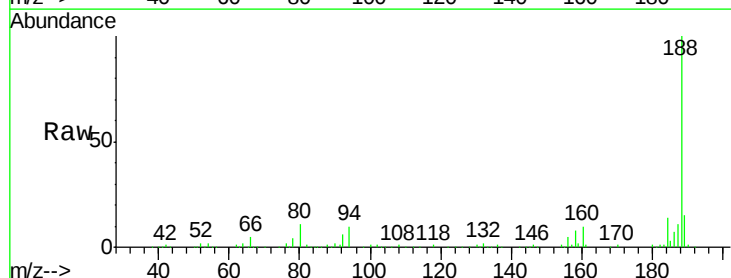
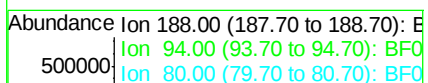
Tgt Ion: 188 Resp: 325796

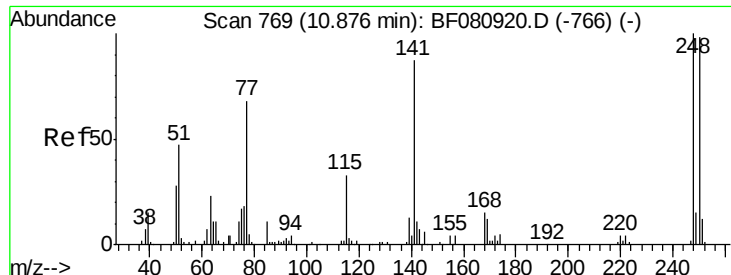
Ion Ratio Lower Upper

188 100

94 10.3 8.8 13.2

80 11.0 9.5 14.3

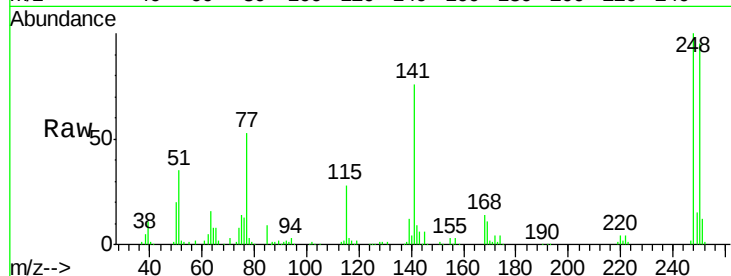




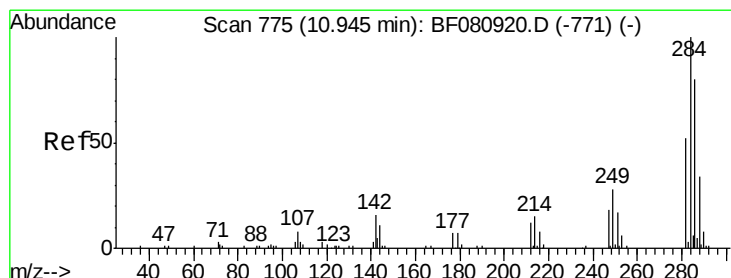
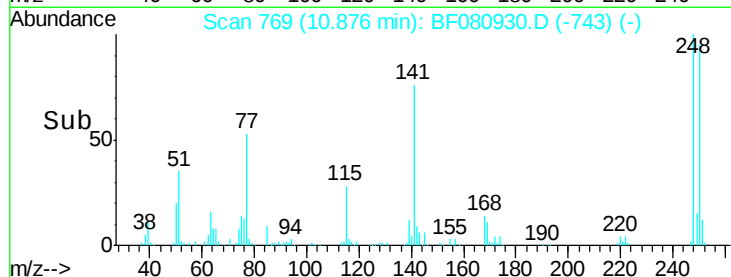
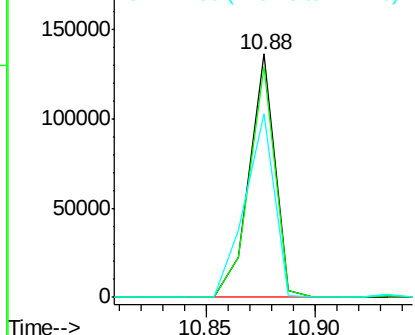
#66
4-Bromophenyl-phenylether
Concen: 32.42 ng
RT: 10.88 min Scan# 769
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 111881
Ion Ratio Lower Upper
248 100
250 95.0 78.1 117.1
141 75.6 69.6 104.4

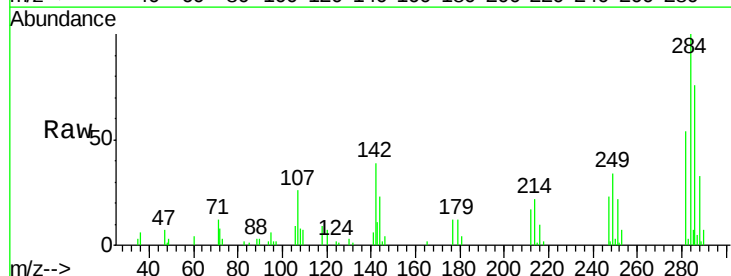


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

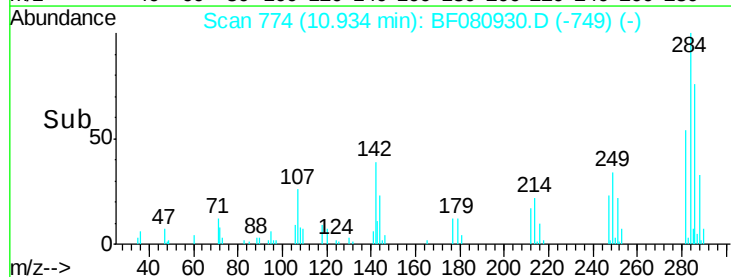
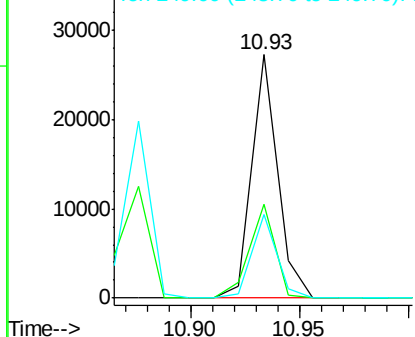


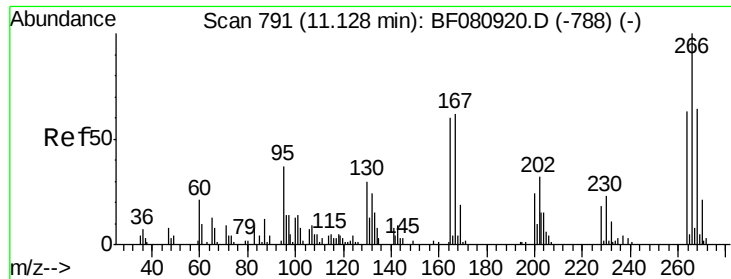
#67
Hexachlorobenzene
Concen: 5.87 ng
RT: 10.93 min Scan# 774
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:284 Resp: 22508
Ion Ratio Lower Upper
284 100
142 38.5 12.8 19.2#
249 34.2 22.5 33.7#



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

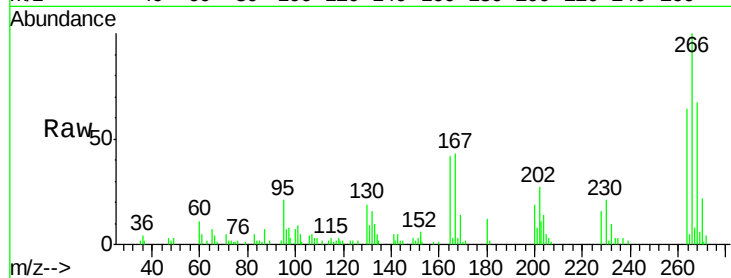




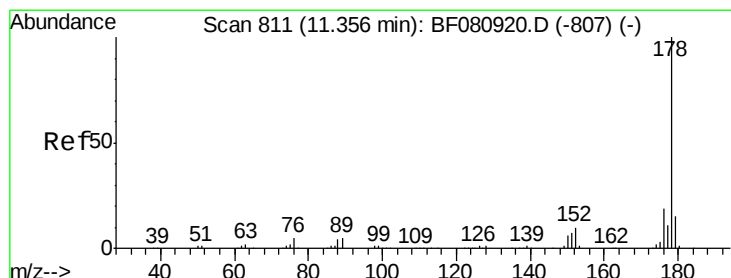
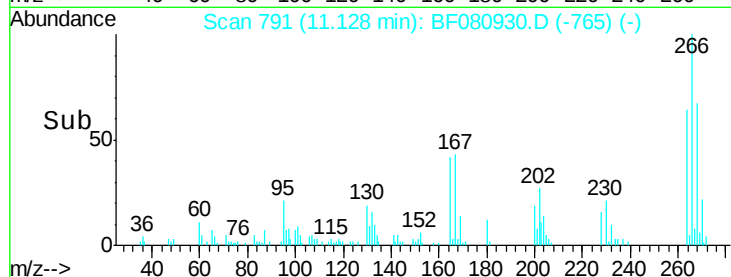
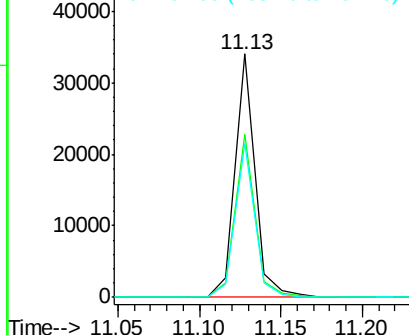
#69
 Pentachlorophenol
 Concen: 12.79 ng
 RT: 11.13 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 28520
 Ion Ratio Lower Upper
 266 100
 268 66.7 51.6 77.4
 264 63.5 50.1 75.1

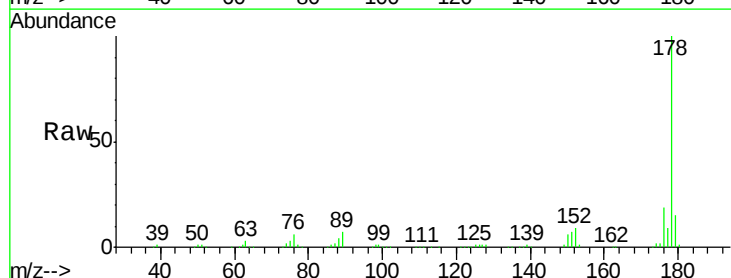


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

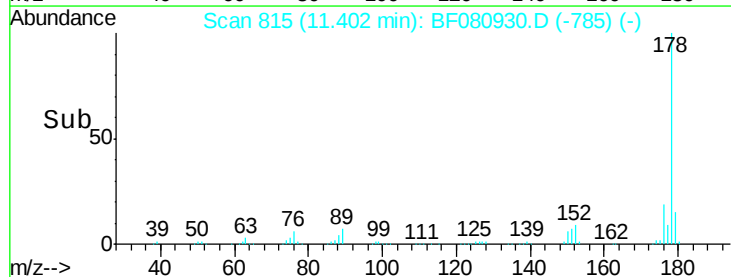
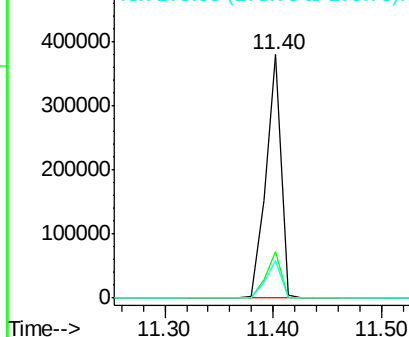


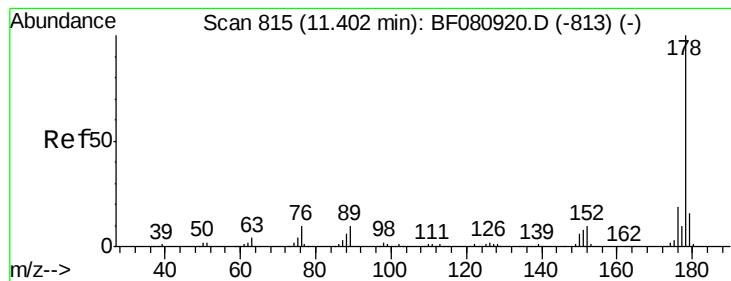
#70
 Phenanthrene
 Concen: 20.14 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.05 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Tgt Ion:178 Resp: 371465
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.6 23.4
 179 15.3 11.9 17.9



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: 20.34 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

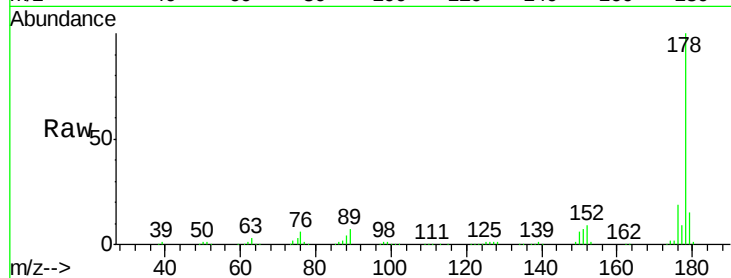
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 371465

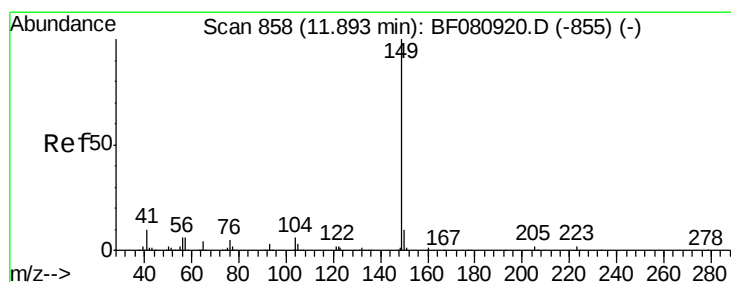
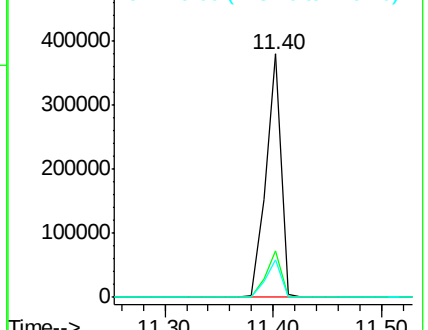
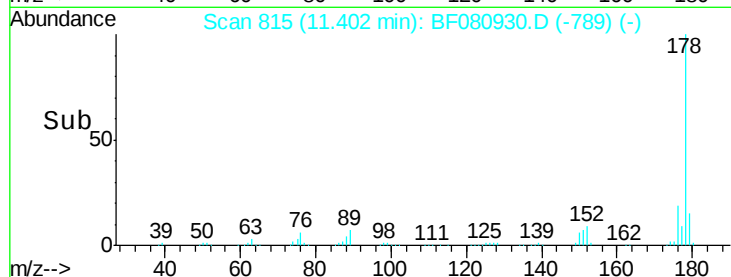
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.3	12.6	18.8



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



#73

Di-n-butylphthalate

Concen: 27.92 ng

RT: 11.89 min Scan# 858

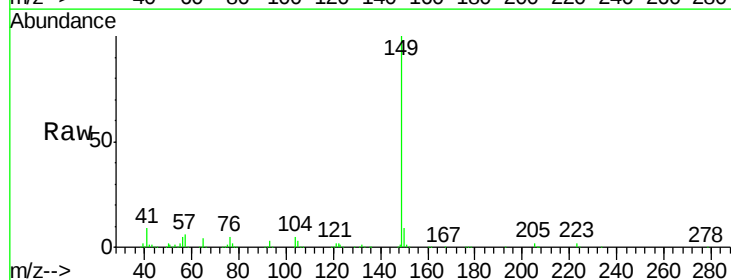
Delta R.T. 0.00 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Tgt Ion:149 Resp: 620754

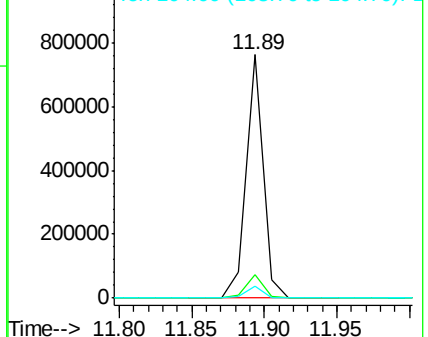
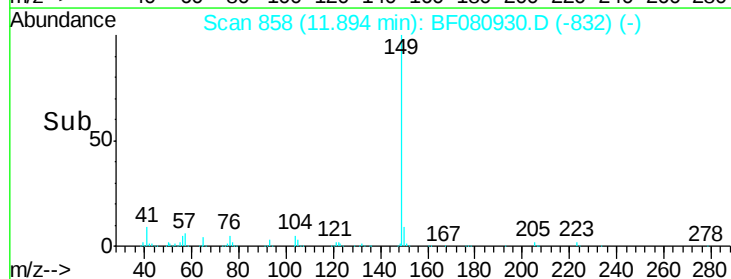
Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.6	11.4
104	5.2	4.4	6.6

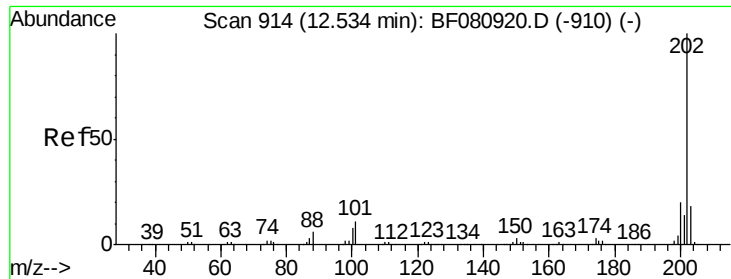


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

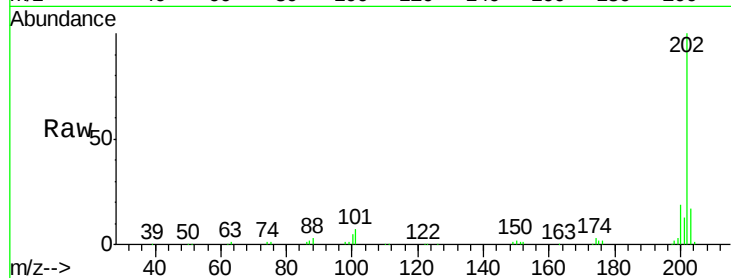




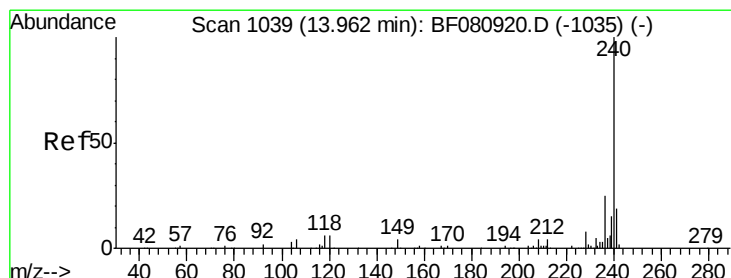
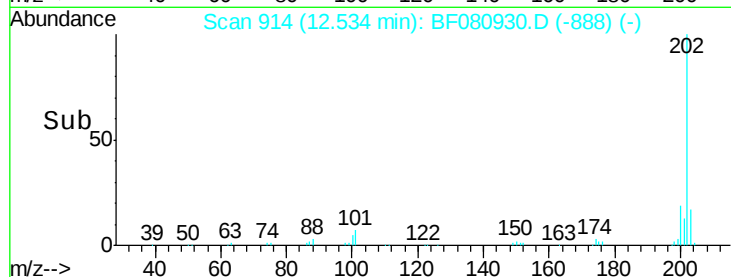
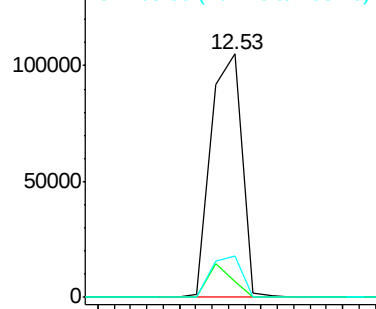
#74
Fluoranthene
 Concen: 6.88 ng
 RT: 12.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	30.5
203	17.0	0.0	37.7

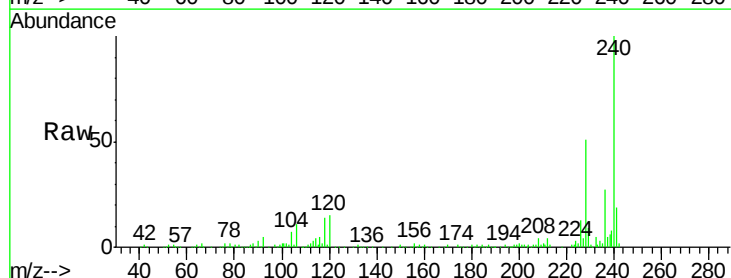


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

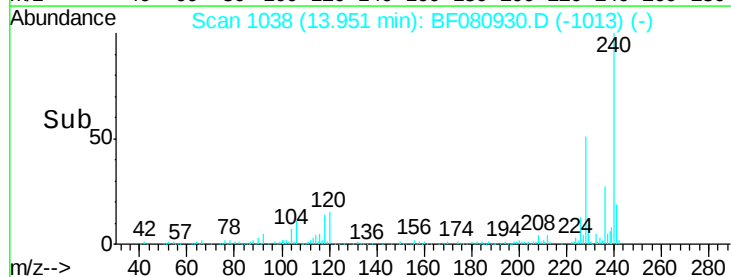
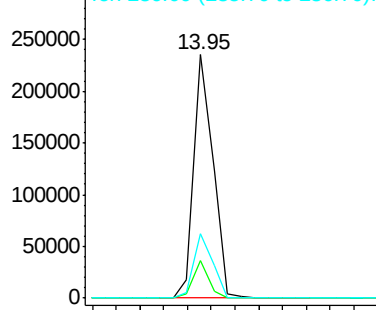


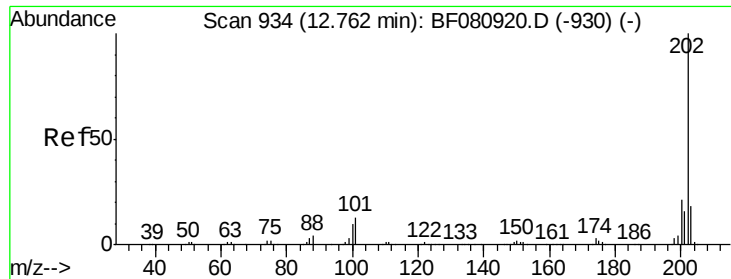
#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.2	5.2	7.8#
236	26.6	20.2	30.4



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

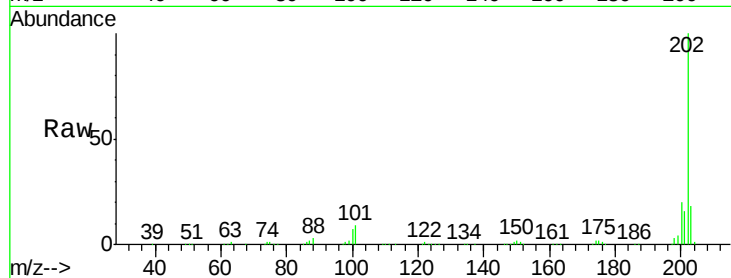




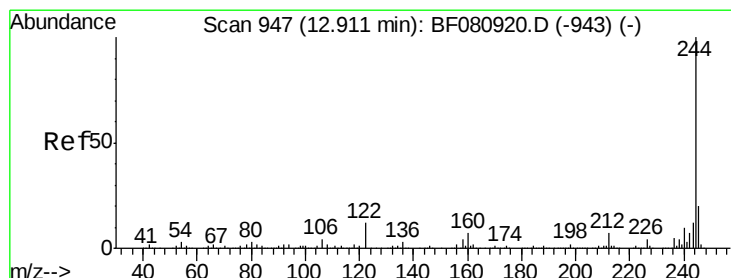
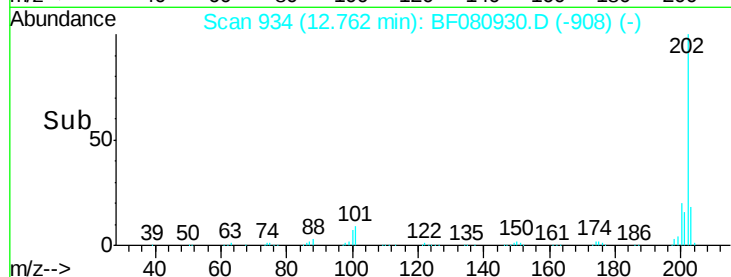
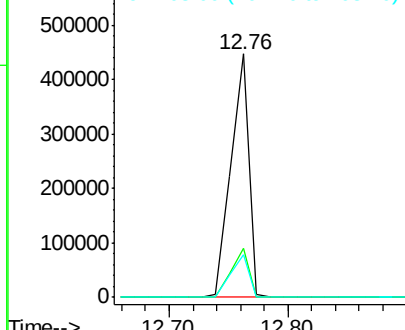
#77
Pvrene
Concen: 24.09 ng
RT: 12.76 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	24.8
203	17.6	14.2	21.2

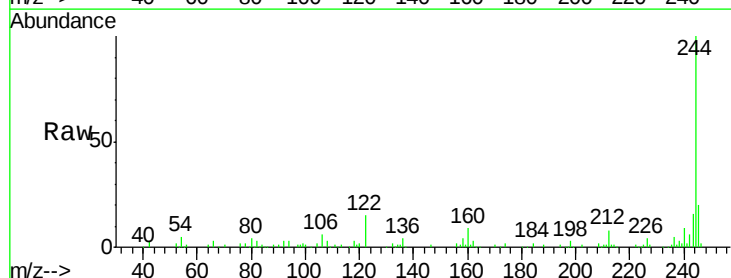


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

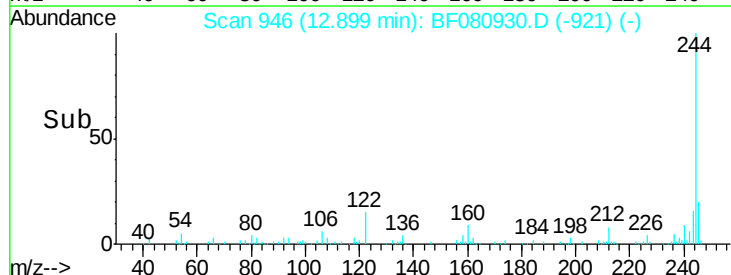
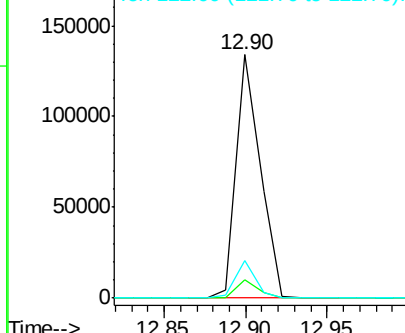


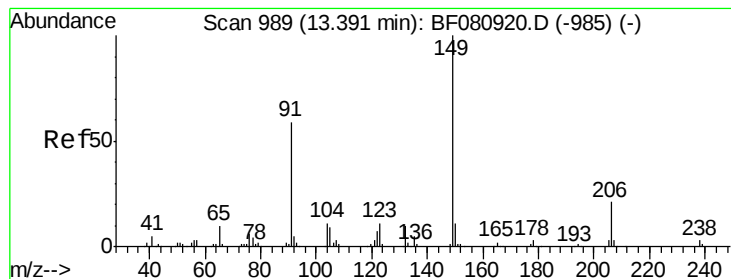
#78
Terphenyl-d14
Concen: 10.70 ng
RT: 12.90 min Scan# 946
Delta R.T. -0.01 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	15.4	9.4	14.2#



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: 18.77 ng

RT: 13.38 min Scan# 988

Delta R.T. -0.01 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampleId :

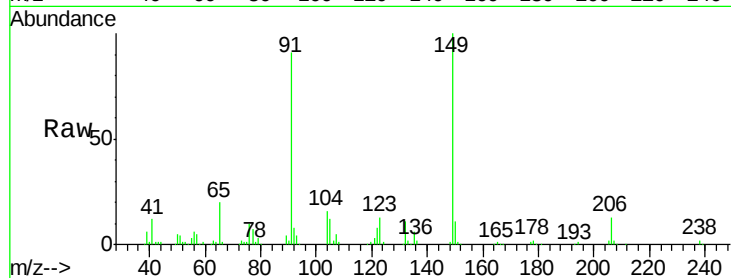
Tot Ion:149 Resp: 175865

Ion Ratio Lower Upper

149 100

91 91.3 47.2 70.8#

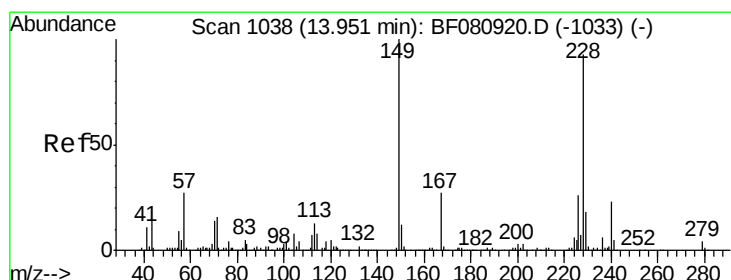
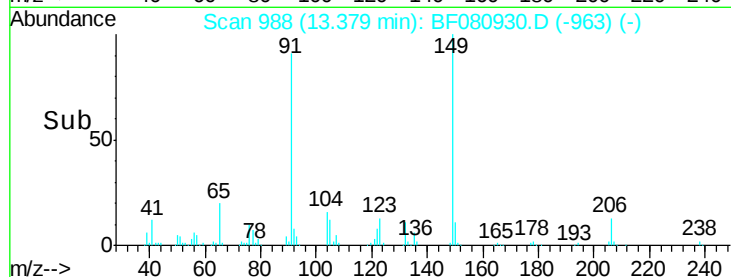
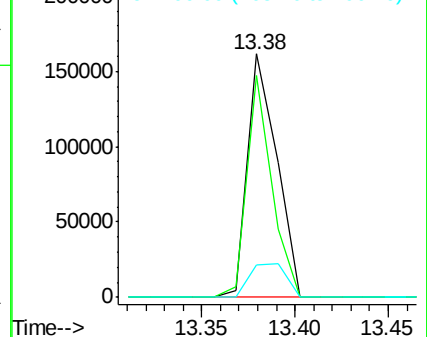
206 13.3 16.5 24.7#



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: 16.17 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

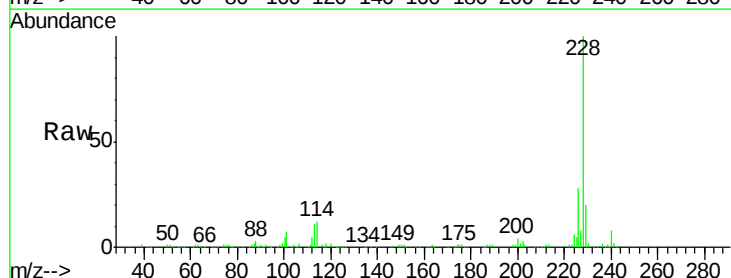
Tgt Ion:228 Resp: 268696

Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.2

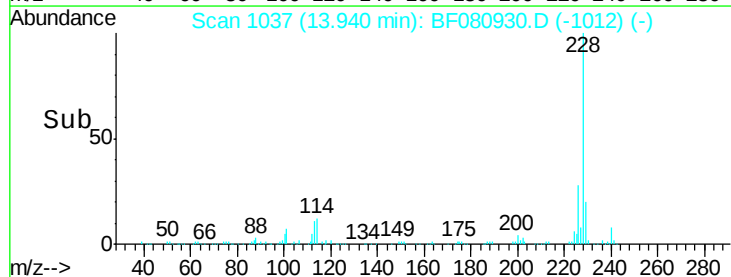
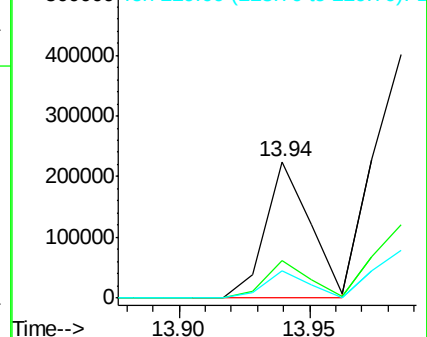
229 19.6 15.8 23.6

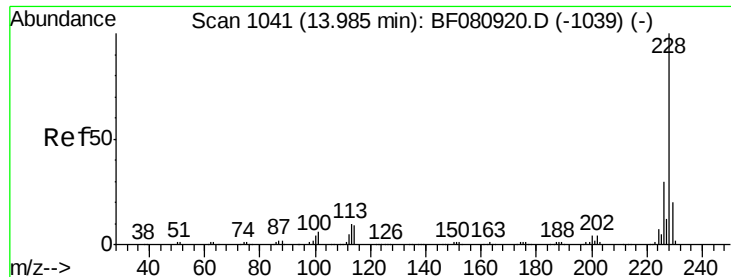


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

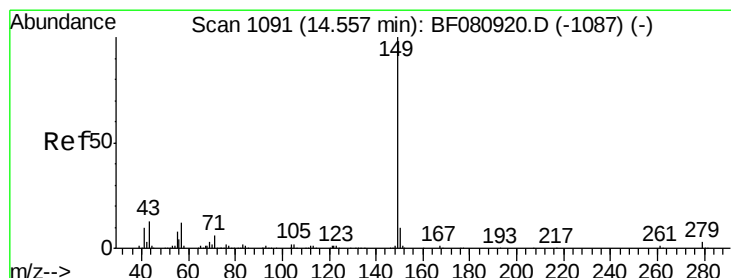
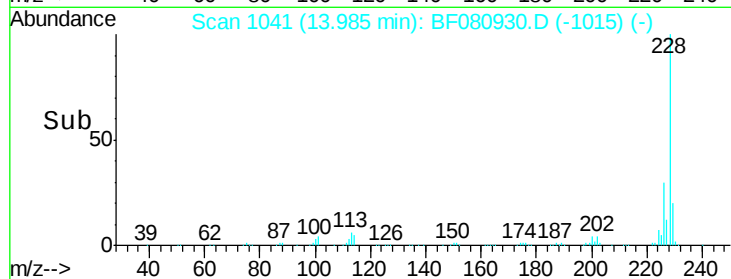
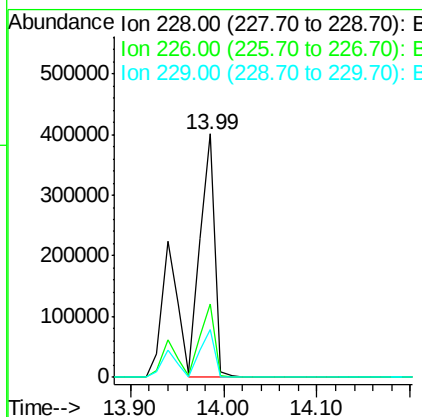
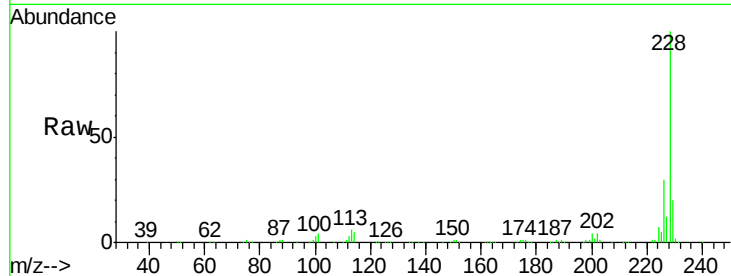




#82
Chrysene
Concen: 27.81 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

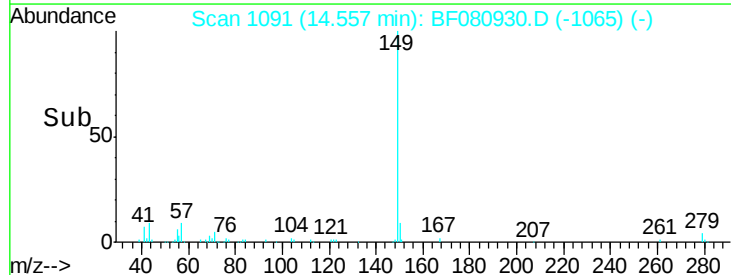
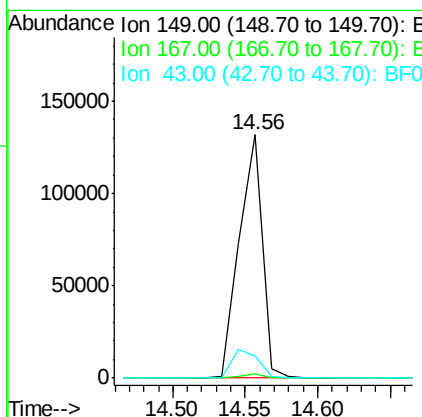
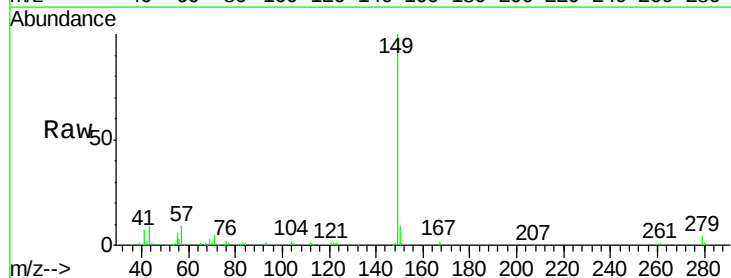
Instrument :
BNA_F
ClientSampleId :

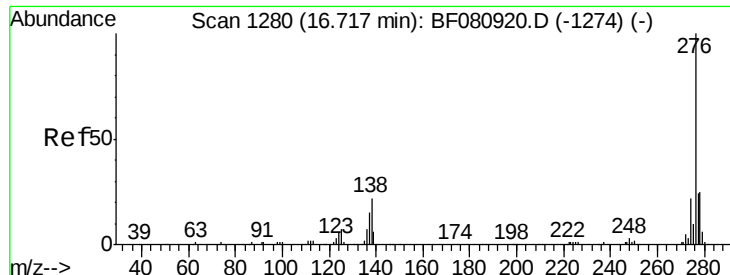
Tot Ion:228 Resp: 442467
Ion Ratio Lower Upper
228 100
226 30.3 23.9 35.9
229 19.6 15.8 23.6



#84
Di-n-octyl phthalate
Concen: 6.56 ng
RT: 14.56 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BF080930.D
Acq: 7 Aug 2015 16:52

Tgt Ion:149 Resp: 144879
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 13.8 11.0 16.4

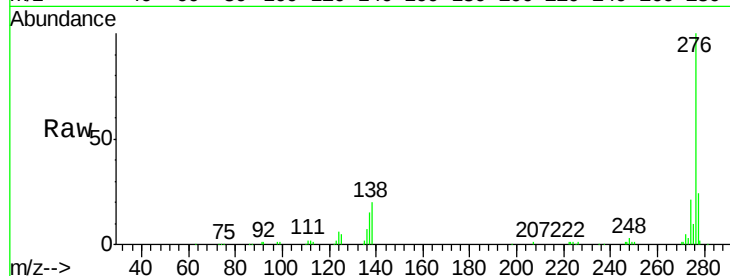




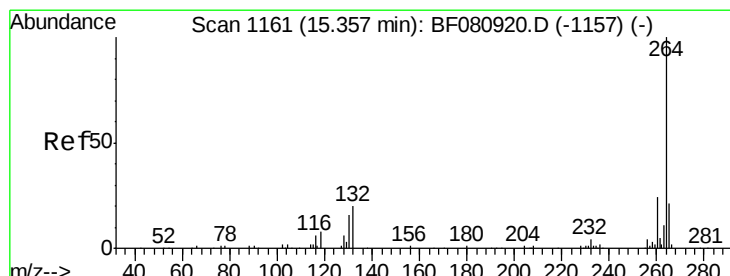
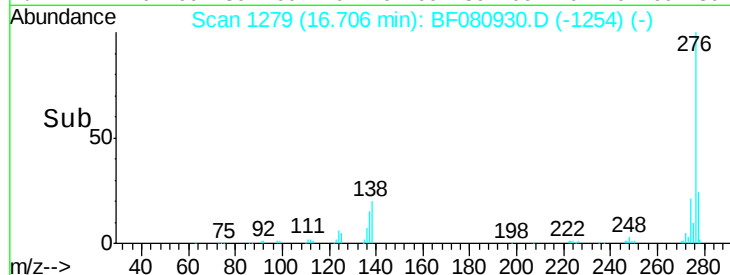
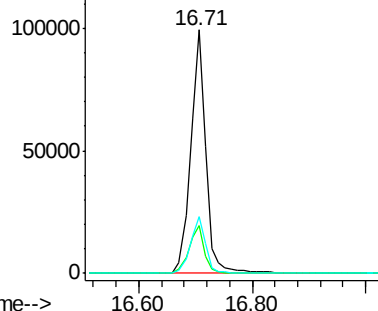
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.14 ng
 RT: 16.71 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	19.9	29.9#
277	23.1	19.7	29.5

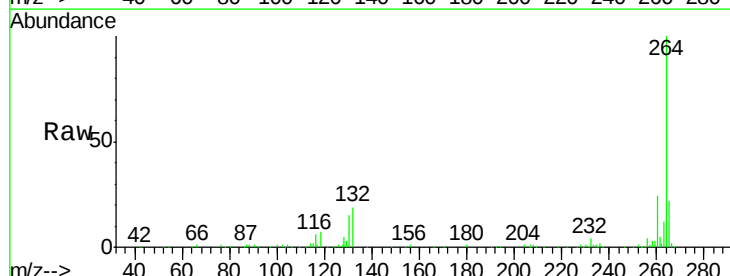


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

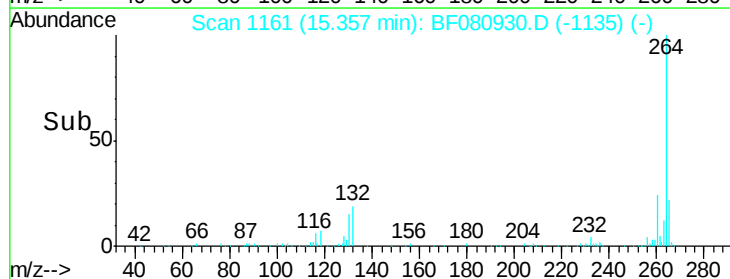
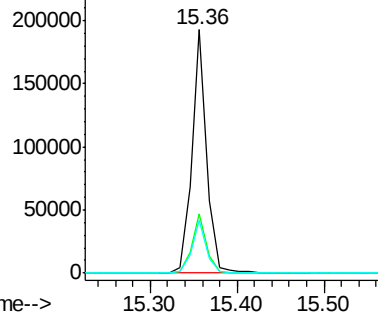


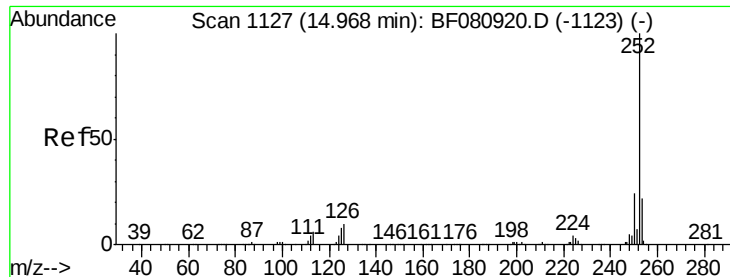
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF080930.D
 Acq: 7 Aug 2015 16:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	21.6	17.0	25.4



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: 17.20 ng

RT: 14.96 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF080930.D

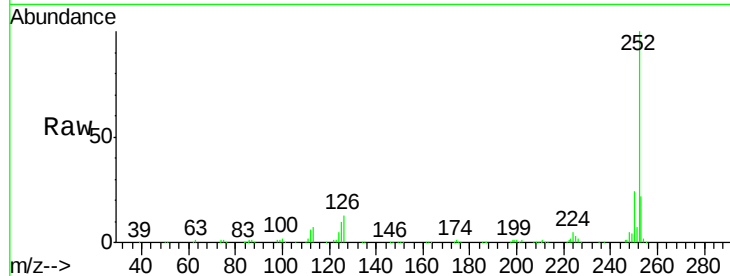
Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampleId :

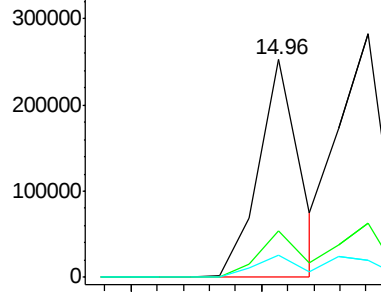
Tot Ion:252	Resp:	272625
Ion Ratio	Lower	Upper
252	100	
253	21.6	17.6 26.4
125	10.4	6.1 9.1#



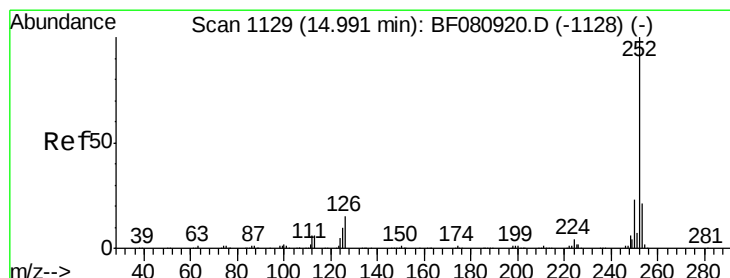
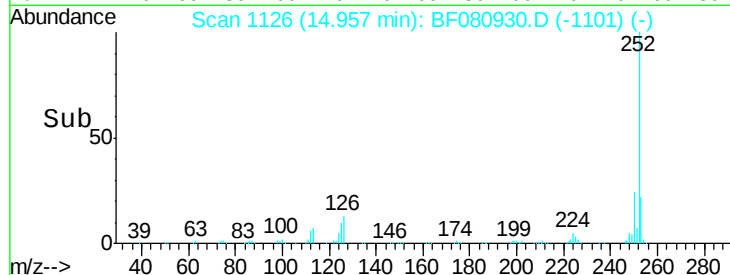
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#88

Benzo(k)fluoranthene

Concen: 19.67 ng

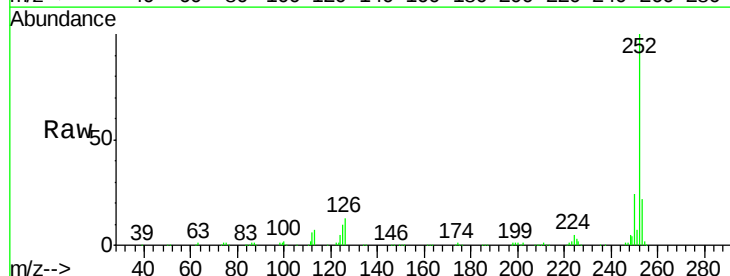
RT: 14.96 min Scan# 1126

Delta R.T. -0.03 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

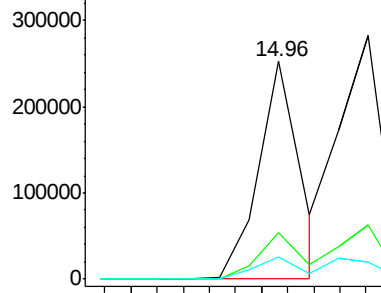
Tgt Ion:252	Resp:	272625
Ion Ratio	Lower	Upper
252	100	
253	21.6	17.4 26.2
125	10.4	9.0 13.6



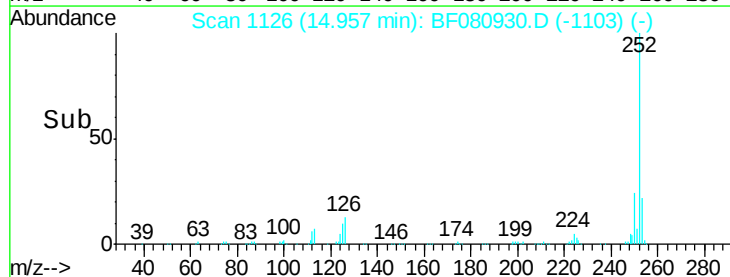
Abundance Ion 252.00 (251.70 to 252.70): E

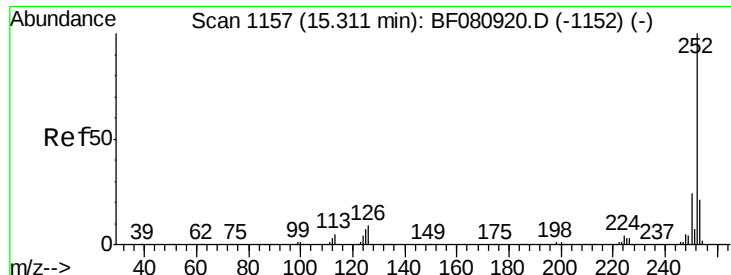
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#89

Benzo(a)pyrene

Concen: 10.07 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

Instrument :

BNA_F

ClientSampleId :

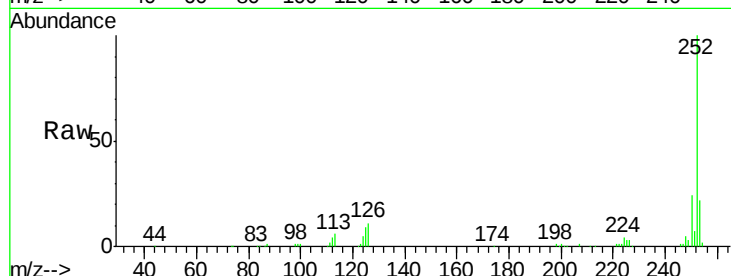
Tot Ion:252 Resp: 137195

Ion Ratio Lower Upper

252 100

253 22.3 16.9 25.3

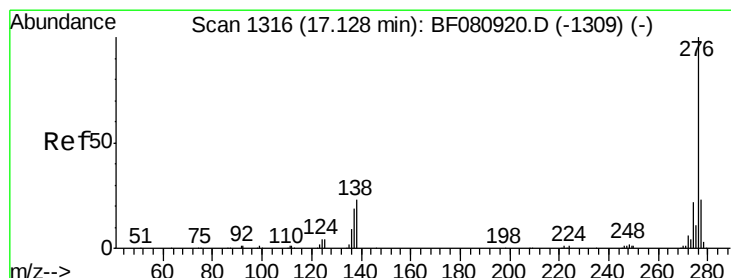
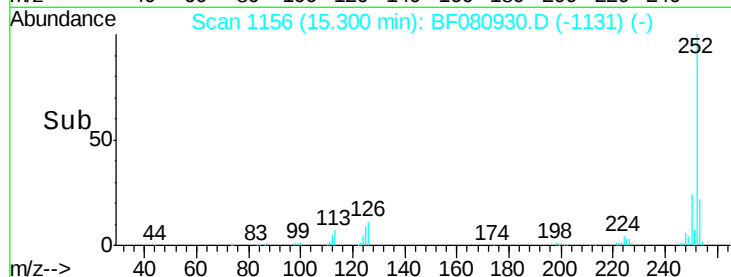
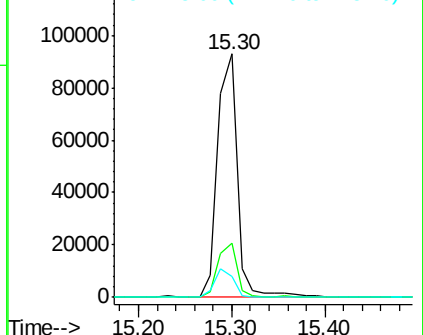
125 8.8 5.8 8.8#



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



#91

Benzo(g,h,i)perylene

Concen: 11.96 ng

RT: 17.11 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF080930.D

Acq: 7 Aug 2015 16:52

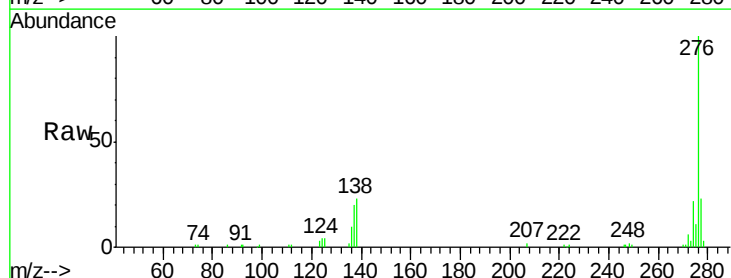
Tgt Ion:276 Resp: 140154

Ion Ratio Lower Upper

276 100

277 23.2 18.6 28.0

138 22.8 18.4 27.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

