

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
 Data File : BF091051.D
 Acq On : 7 Nov 2016 13:10
 Operator : UM/SJ
 Sample : H5524-15
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 17:37:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	178409	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	782653	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	381515	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	633159	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	453714	20.00	ng	-0.03
86) Perylene-d12	15.21	264	378112	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1216862	112.65	ng	-0.02
7) Phenol-d6	6.34	99	1546939	105.50	ng	-0.01
23) Nitrobenzene-d5	7.24	82	958475	66.81	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	401358	116.36	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	1637102	73.88	ng	-0.03
78) Terphenyl-d14	12.79	244	1896543	104.31	ng	-0.02

Target Compounds						Qvalue
6) Aniline	6.36	93	62918	3.64	ng	# 1
8) 2-Chlorophenol	6.46	128	2065010	160.26	ng	92
9) Benzaldehyde	6.44	77	32834	4.03	ng	82
10) Phenol	6.36	94	3030172	186.73	ng	# 59
11) bis(2-Chloroethyl)ether	6.43	93	1316572	96.28	ng	89
12) 1,3-Dichlorobenzene	6.69	146	1190959	91.38	ng	98
13) 1,4-Dichlorobenzene	6.69	146	1195760	85.51	ng	97
14) 1,2-Dichlorobenzene	6.84	146	1172206	91.34	ng	98
18) Hexachloroethane	7.18	117	231201	42.72	ng	96
19) n-Nitroso-di-n-propylamine	7.24	70	128625	12.66	ng	# 78
24) Nitrobenzene	7.26	77	1253895	79.13	ng	99
25) Isophorone	7.52	82	3973134	143.71	ng	# 92
26) 2-Nitrophenol	7.52	139	78521	11.71	ng	# 84
29) 2,4-Dichlorophenol	7.84	162	1190991	123.06	ng	92
30) 1,2,4-Trichlorobenzene	7.90	180	1020126	93.74	ng	99
31) Naphthalene	7.98	128	3055264	81.63	ng	97
32) Benzoic acid	7.90	122	5289	5.62	ng	# 10
33) 4-Chloroaniline	7.98	127	434304	27.90	ng	# 34
34) Hexachlorobutadiene	8.11	225	759921	129.38	ng	98
37) 2-Methylnaphthalene	8.67	142	1733414	72.04	ng	99
48) Acenaphthylene	9.57	152	2860574	86.79	ng	97
49) Dimethylphthalate	9.45	163	63324	2.53	ng	97
50) 2,6-Dinitrotoluene	9.71	165	48893	9.12	ng	# 12
51) Acenaphthene	9.74	154	1357451	65.60	ng	99
55) 4-Nitrophenol	9.86	139	452024	104.84	ng	93
56) 2,4-Dinitrotoluene	9.71	165	48896	7.17	ng	# 26
57) Fluorene	10.26	166	1226263	53.86	ng	100
60) 4-Chlorophenyl-phenylether	10.27	204	1409855	136.05	ng	# 84
61) 4-Nitroaniline	10.26	138	20302	3.16	ng	# 44
62) Azobenzene	10.27	77	653310	21.64	ng	# 42
65) n-Nitrosodiphenylamine	10.27	169	176525	8.77	ng	# 86
67) Hexachlorobenzene	10.81	284	313353	43.14	ng	93
70) Phenanthrene	11.23	178	4036617	119.93	ng	96
71) Anthracene	11.28	178	3088612	86.31	ng	97

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

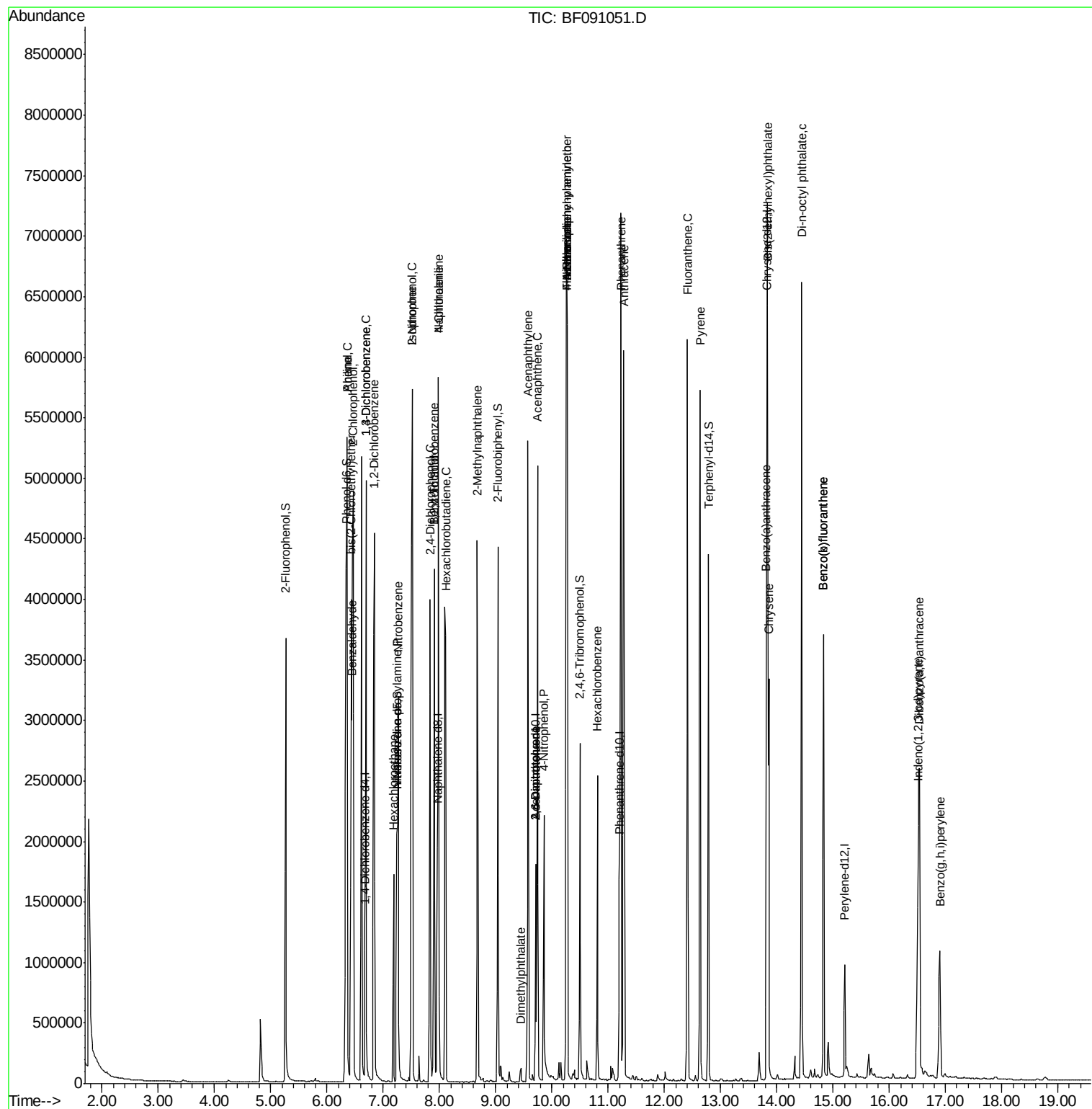
74) Fluoranthene	12.41	202	3123654	89.48	ng	95
77) Pyrene	12.64	202	2676381	90.07	ng	98
80) Benzo(a)anthracene	13.81	228	837155	32.50	ng	99
82) Chrysene	13.86	228	1594780	62.78	ng	98
83) Bis(2-ethylhexyl)phthalate	13.84	149	2898927	150.72	ng	# 91
84) Di-n-octyl phthalate	14.44	149	4163490	131.65	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.51	276	1363276	64.68	ng	97
87) Benzo(b)fluoranthene	14.83	252	1565493	61.04	ng	98
88) Benzo(k)fluoranthene	14.83	252	1565493	69.59	ng	# 97
90) Dibenzo(a,h)anthracene	16.53	278	1730408	89.66	ng	97
91) Benzo(a,h,i)perylene	16.90	276	760371	43.57	ng	97

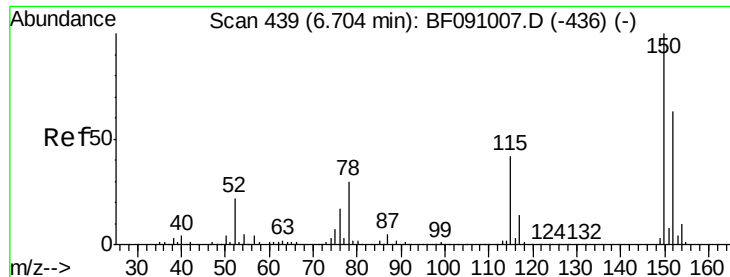
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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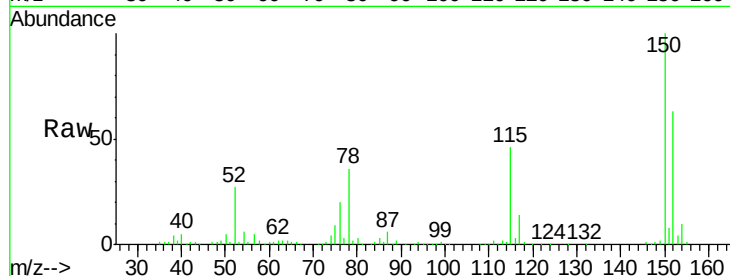


#1

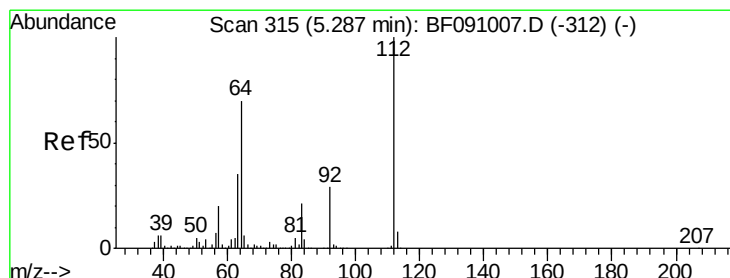
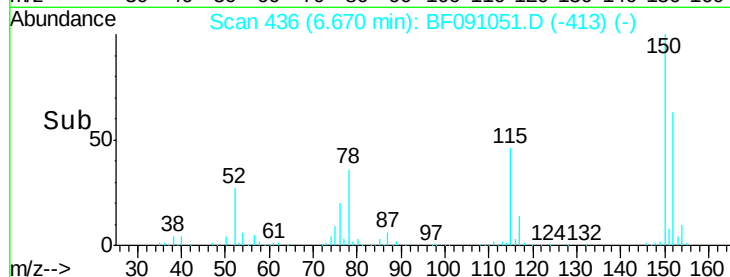
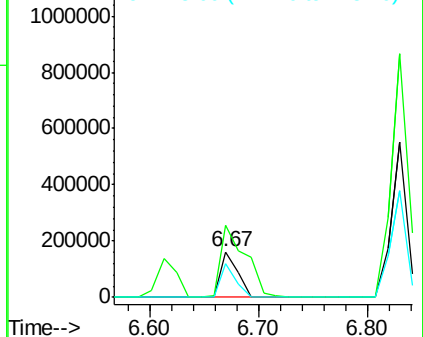
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 178409
Ion Ratio Lower Upper
152 100
150 158.7 126.8 190.2
115 73.1 53.3 79.9



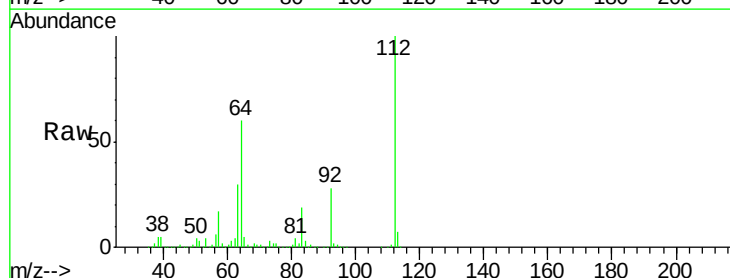
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



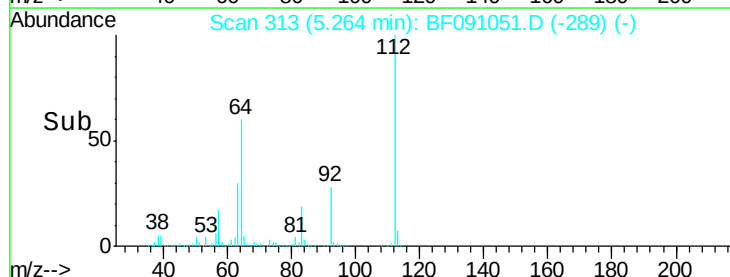
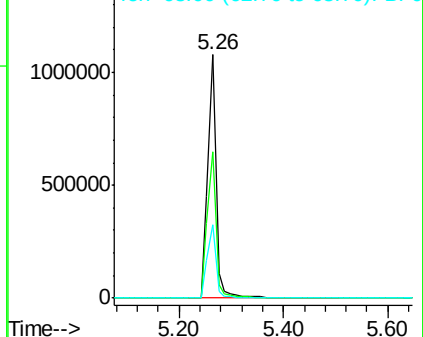
#5

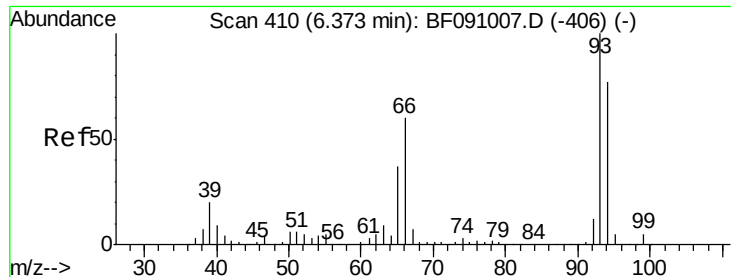
2-Fluorophenol
Concen: 112.65 ng
RT: 5.26 min Scan# 313
Delta R.T. -0.02 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion:112 Resp: 1216862
Ion Ratio Lower Upper
112 100
64 59.9 55.8 83.6
63 30.1 28.0 42.0



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





#6

Aniline

Concen: 3.64 ng

RT: 6.36 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampleId :

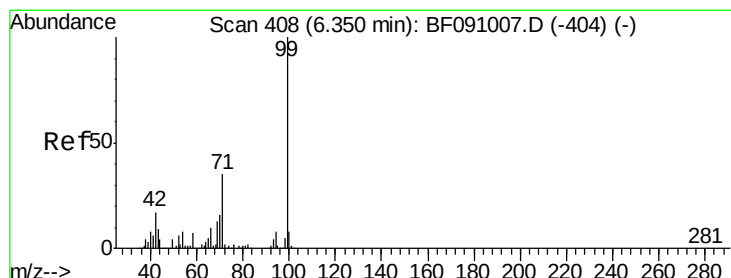
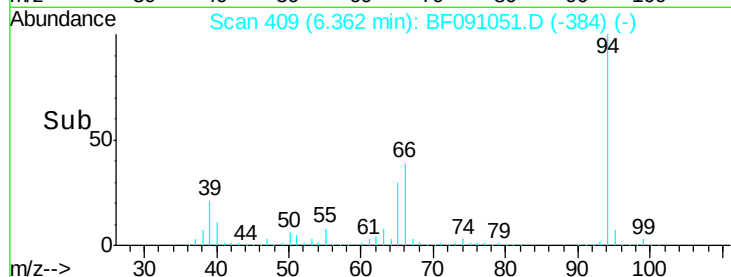
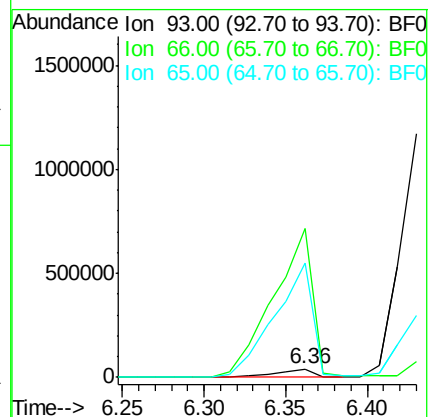
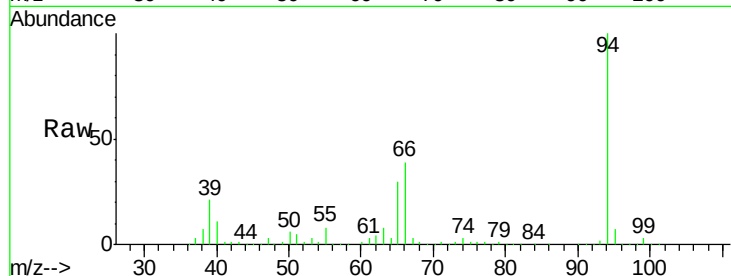
Tot Ion: 93 Resp: 62918

Ion Ratio Lower Upper

93 100

66 1805.8 48.2 72.2#

65 1379.1 29.4 44.0#



#7

Phenol-d6

Concen: 105.50 ng

RT: 6.34 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

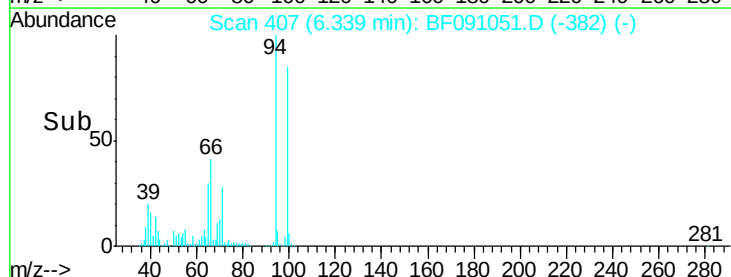
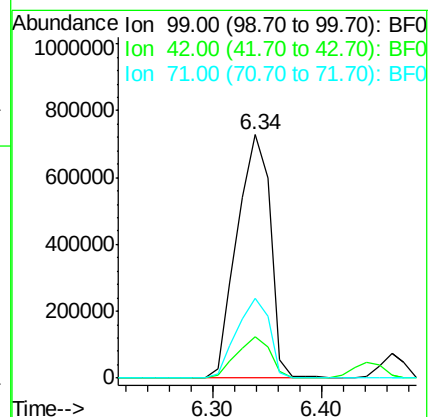
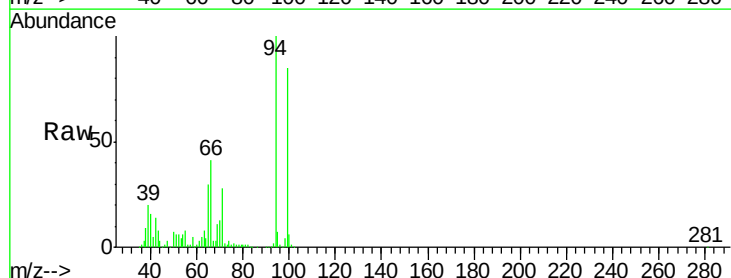
Tgt Ion: 99 Resp: 1546939

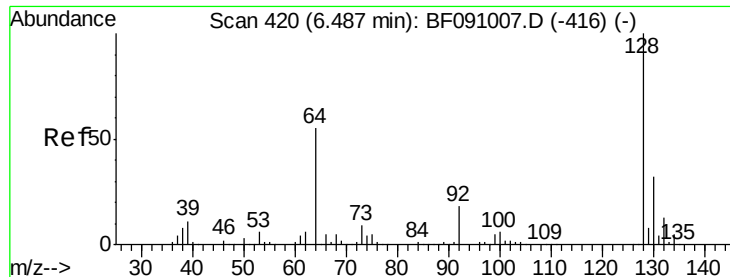
Ion Ratio Lower Upper

99 100

42 16.9 13.9 20.9

71 32.9 27.8 41.8

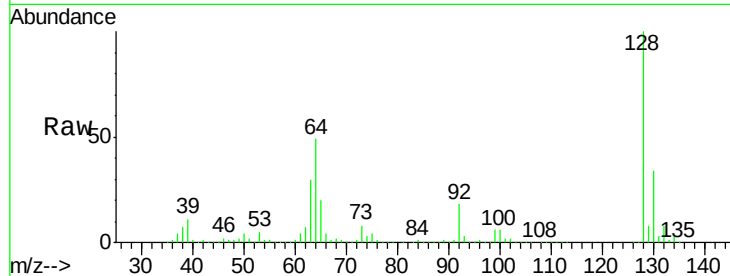




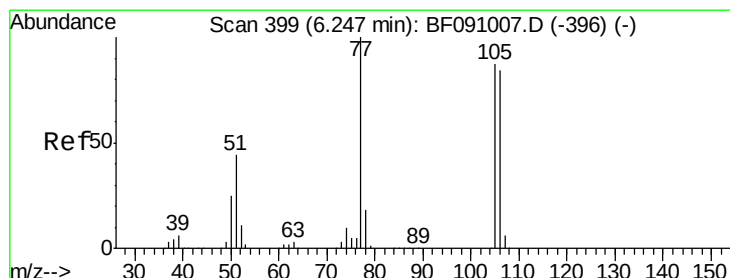
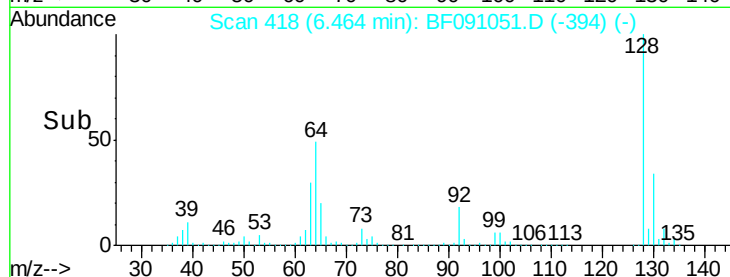
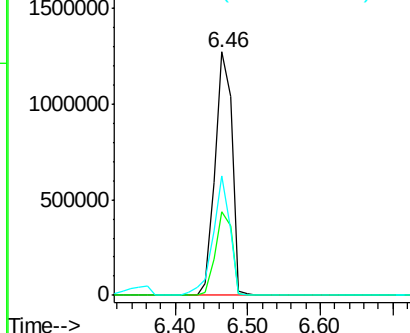
#8
2-Chlorophenol
Concen: 160.26 ng
RT: 6.46 min Scan# 418
Delta R.T. -0.02 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 2065010
Ion Ratio Lower Upper
128 100
130 34.1 12.0 52.0
64 49.2 37.2 77.2

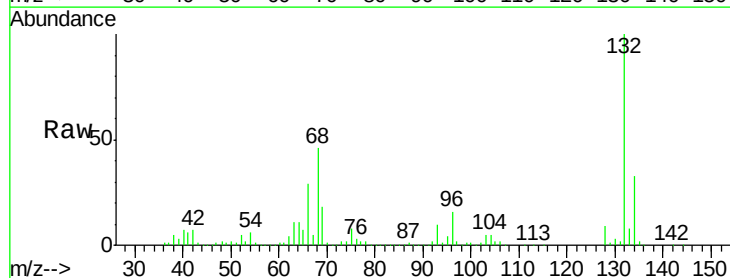


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0

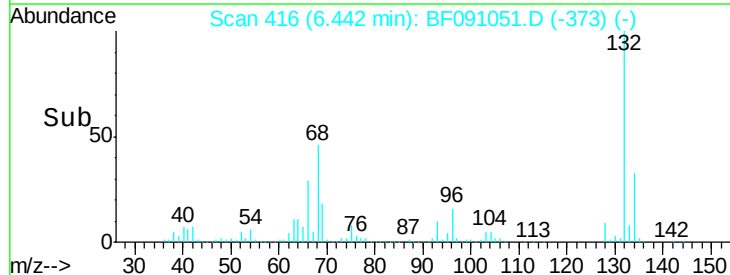
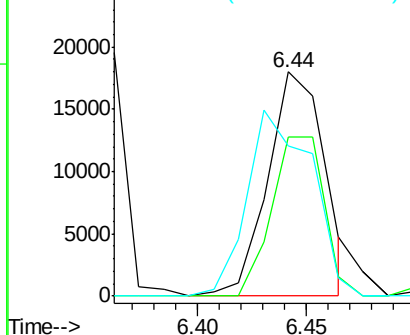


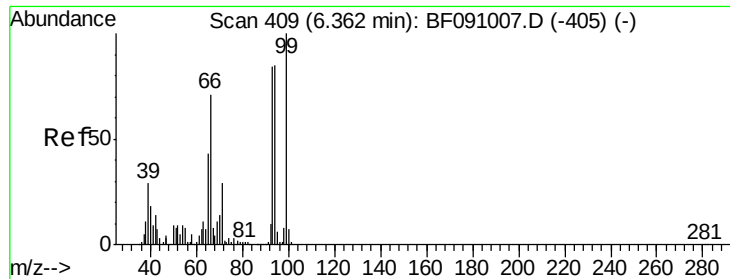
#9
Benzaldehyde
Concen: 4.03 ng
RT: 6.44 min Scan# 416
Delta R.T. 0.19 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion: 77 Resp: 32834
Ion Ratio Lower Upper
77 100
105 71.1 66.8 106.8
106 67.0 64.0 104.0



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

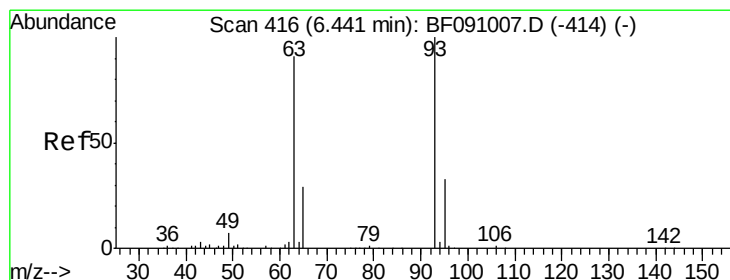
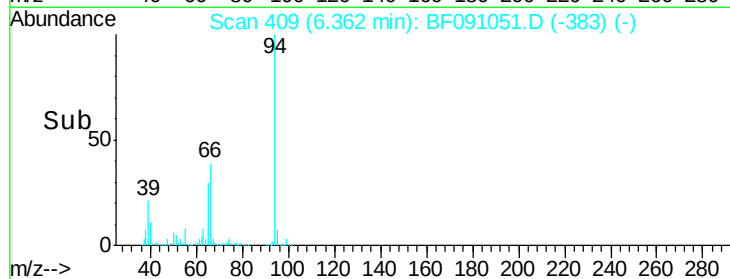
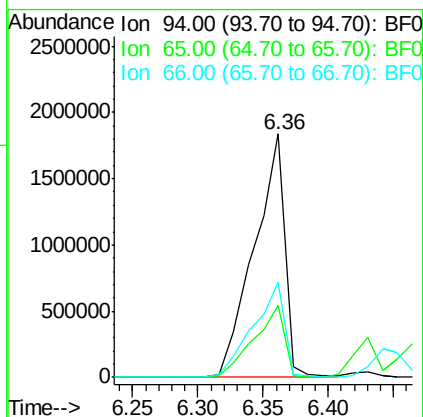
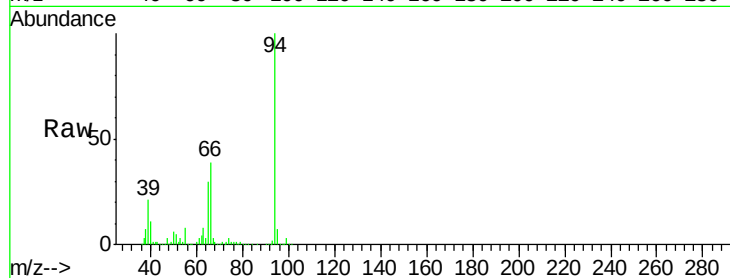




#10
Phenol
Concen: 186.73 ng
RT: 6.36 min Scan# 409
Delta R.T. 0.00 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

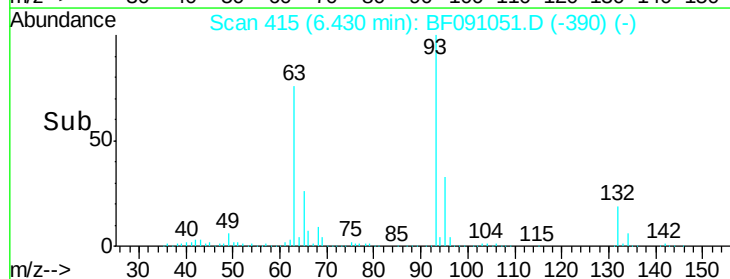
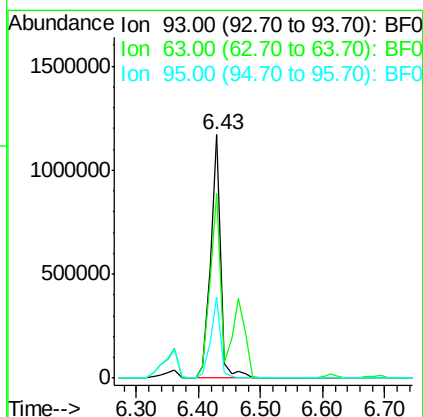
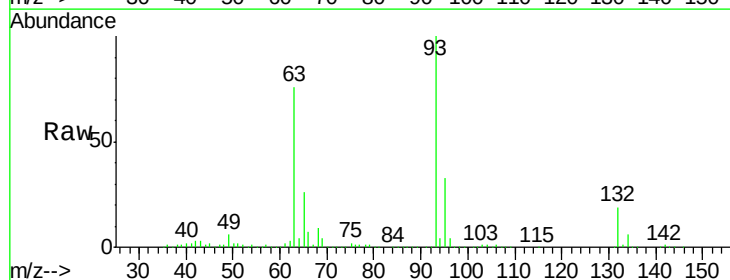
Instrument :
BNA_F
ClientSampled :

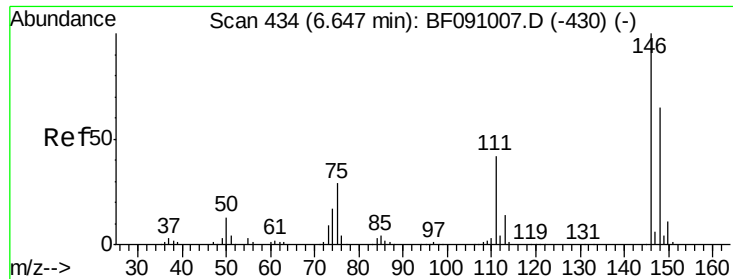
Tot Ion: 94 Resp: 3030172
Ion Ratio Lower Upper
94 100
65 29.9 30.4 70.4#
66 39.1 62.9 102.9#



#11
bis(2-Chloroethyl)ether
Concen: 96.28 ng
RT: 6.43 min Scan# 415
Delta R.T. -0.01 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion: 93 Resp: 1316572
Ion Ratio Lower Upper
93 100
63 75.7 68.9 108.9
95 33.1 12.3 52.3





#12

1,3-Dichlorobenzene

Concen: 91.38 ng

RT: 6.69 min Scan# 438

Delta R.T. 0.05 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampled :

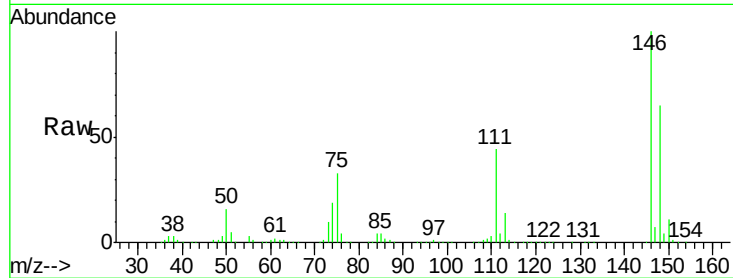
Tot Ion:146 Resp: 1190959

Ion Ratio Lower Upper

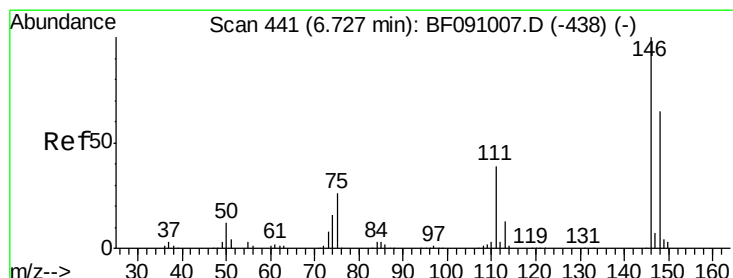
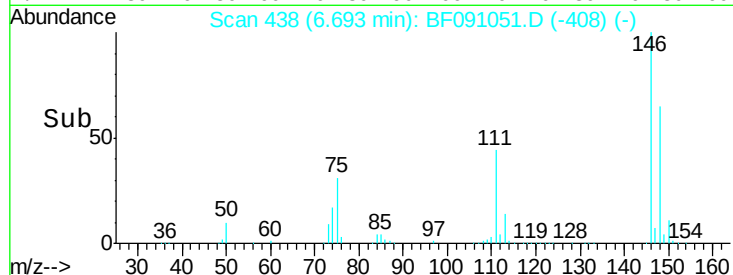
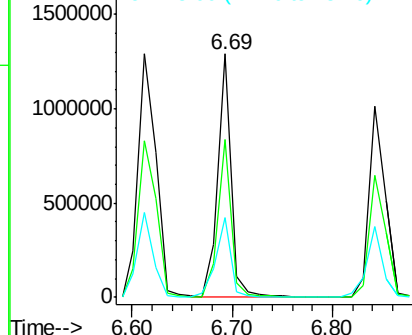
146 100

148 64.9 52.0 78.0

75 32.6 23.0 34.6



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: 85.51 ng

RT: 6.69 min Scan# 438

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

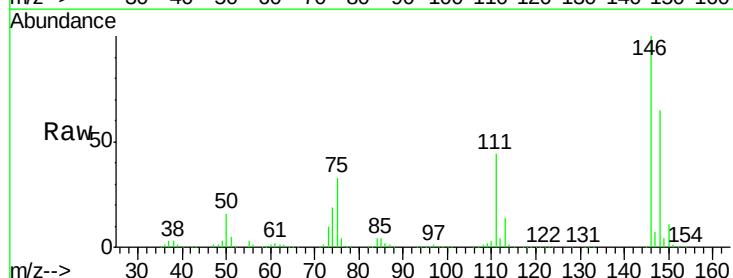
Tgt Ion:146 Resp: 1195760

Ion Ratio Lower Upper

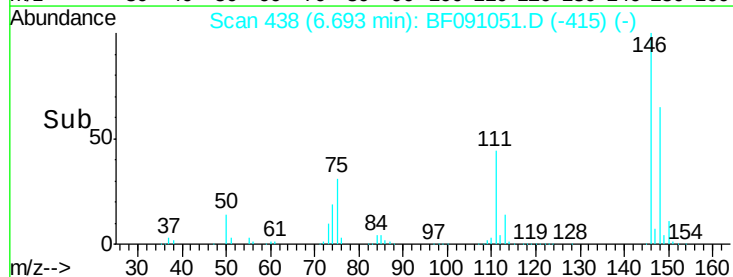
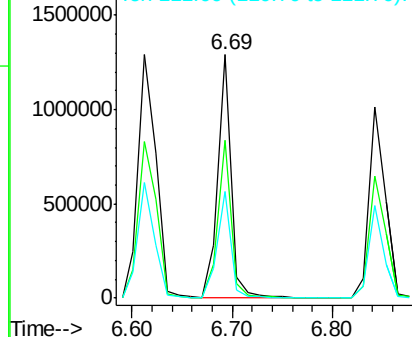
146 100

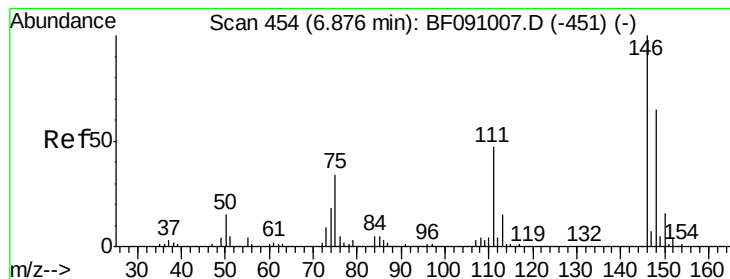
148 64.9 52.1 78.1

111 44.0 31.6 47.4



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: 91.34 ng

RT: 6.84 min Scan# 451

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampleId :

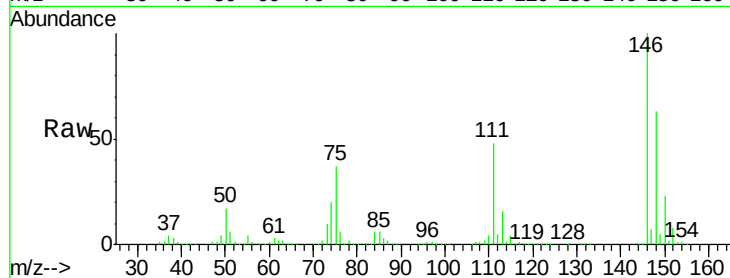
Tot Ion:146 Resp: 1172206

Ion Ratio Lower Upper

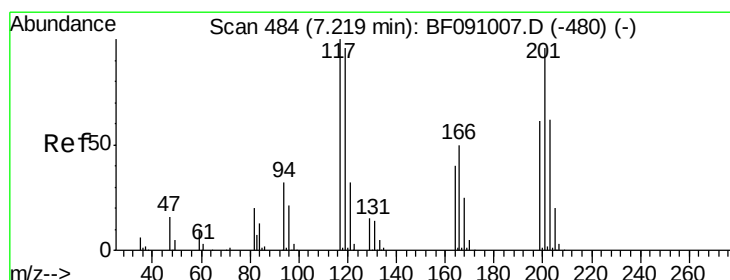
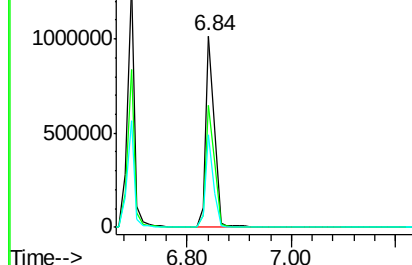
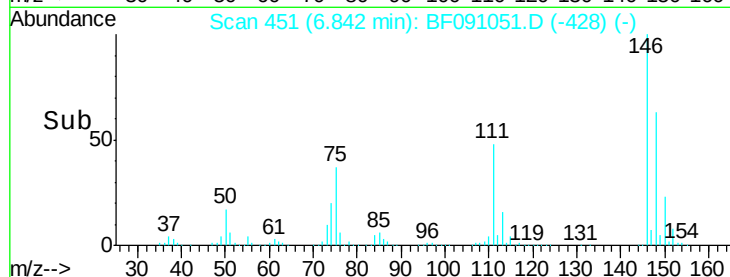
146 100

148 63.5 51.6 77.4

111 48.4 37.3 55.9



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



#18

Hexachloroethane

Concen: 42.72 ng

RT: 7.18 min Scan# 481

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

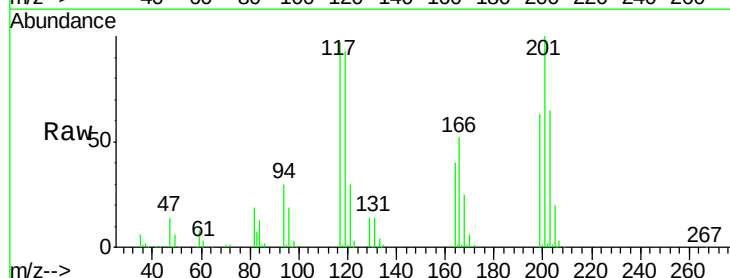
Tgt Ion:117 Resp: 231201

Ion Ratio Lower Upper

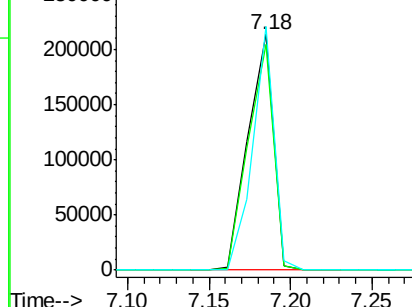
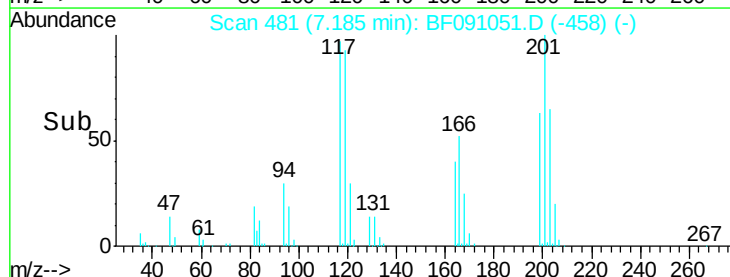
117 100

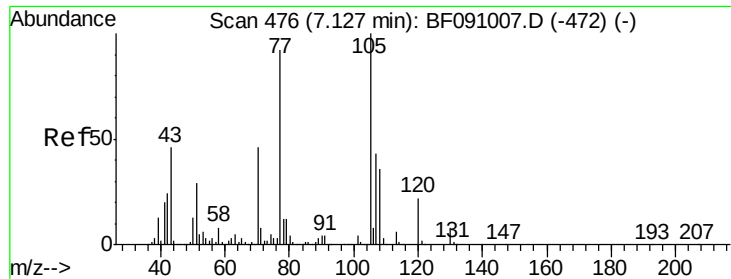
119 95.8 76.6 115.0

201 103.2 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

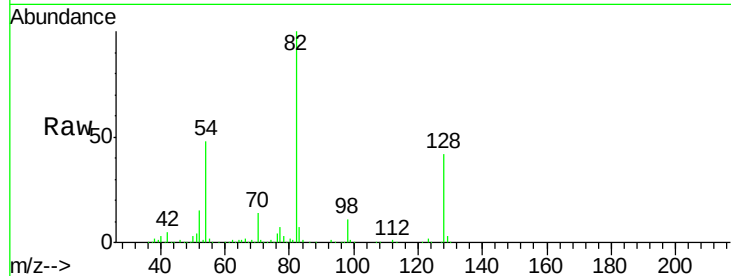




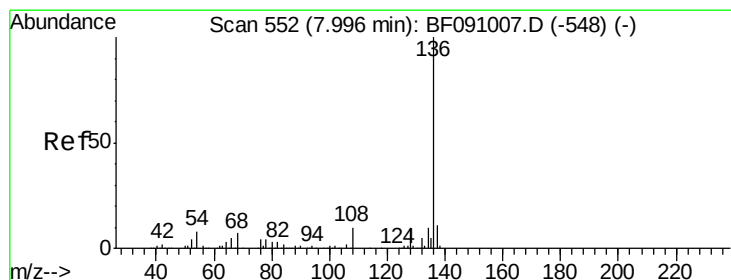
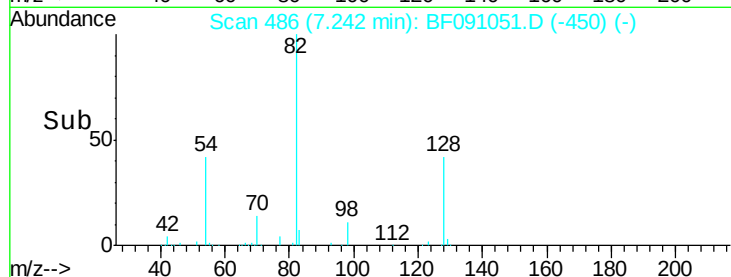
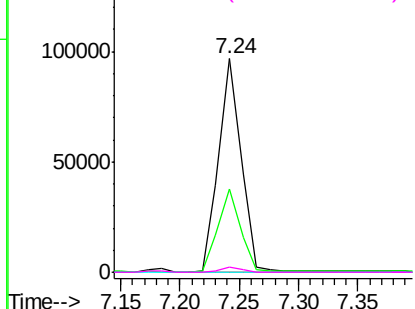
#19
n-Nitroso-di-n-propylamine
Concen: 12.66 ng
RT: 7.24 min Scan# 486
Delta R.T. 0.11 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 128625
Ion Ratio Lower Upper
70 100
42 39.2 41.7 62.5#
101 0.0 6.7 10.1#
130 2.2 13.8 20.8#



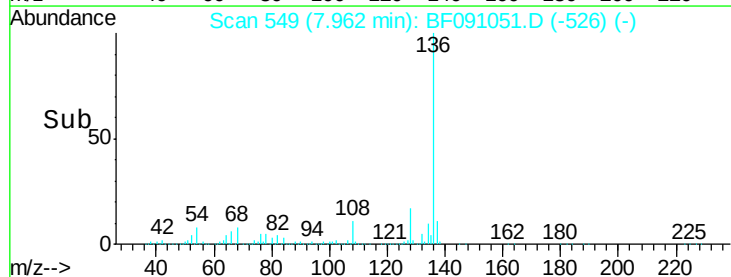
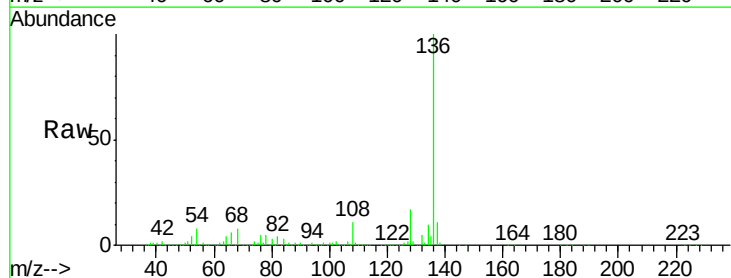
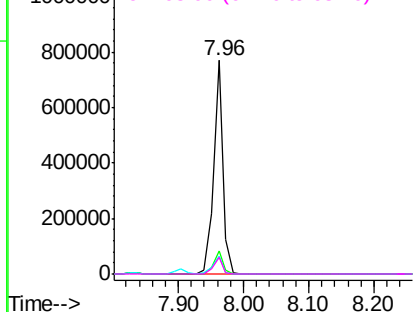
Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

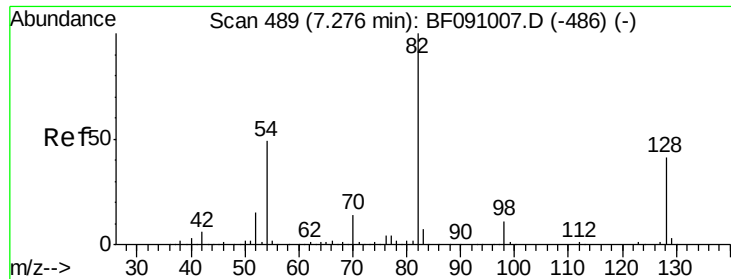


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion:136 Resp: 782653
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.5 6.2 9.2
68 7.5 5.5 8.3

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

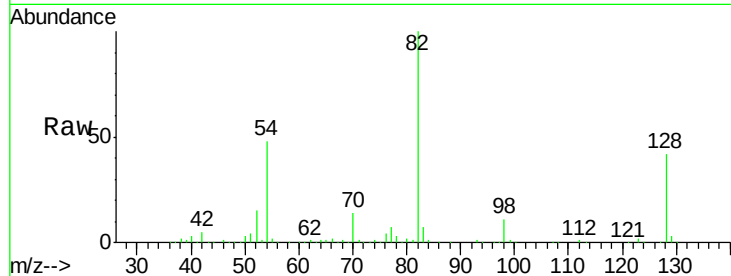




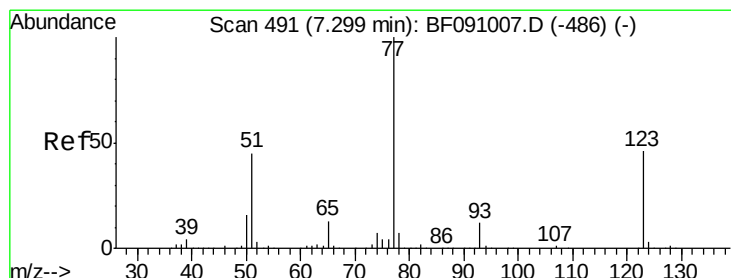
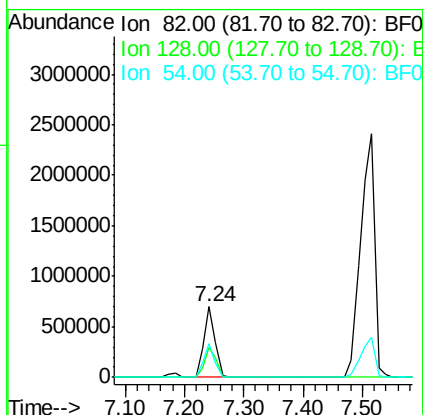
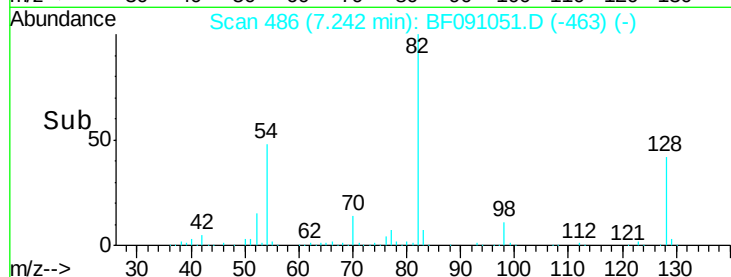
#23
 Nitrobenzene-d5
 Concen: 66.81 ng
 RT: 7.24 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 958475
 Ion Ratio Lower Upper
 82 100
 128 42.2 32.4 48.6
 54 47.6 39.2 58.8

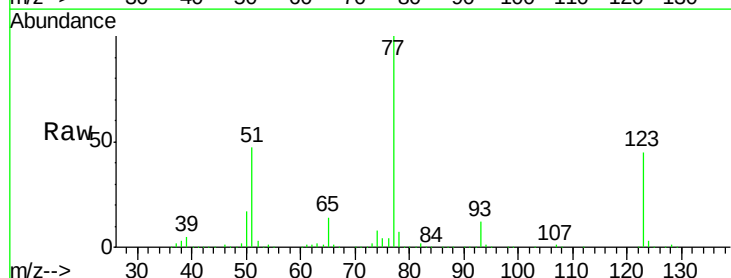


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

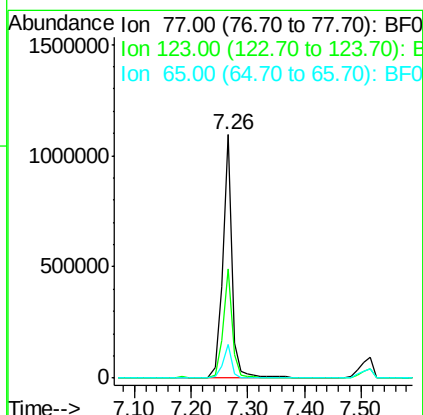
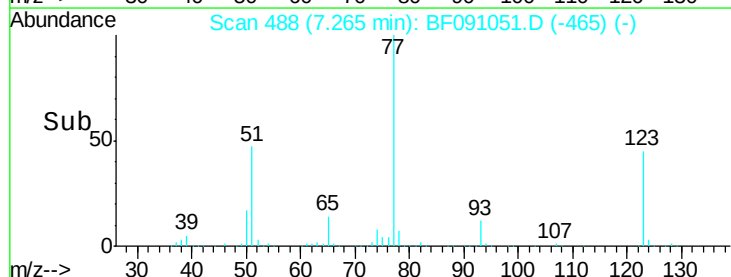


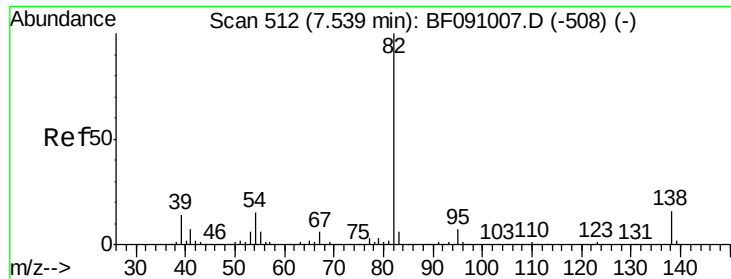
#24
 Nitrobenzene
 Concen: 79.13 ng
 RT: 7.26 min Scan# 488
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Tgt Ion: 77 Resp: 1253895
 Ion Ratio Lower Upper
 77 100
 123 45.1 36.5 54.7
 65 14.0 10.7 16.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 143.71 ng

RT: 7.52 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampleId :

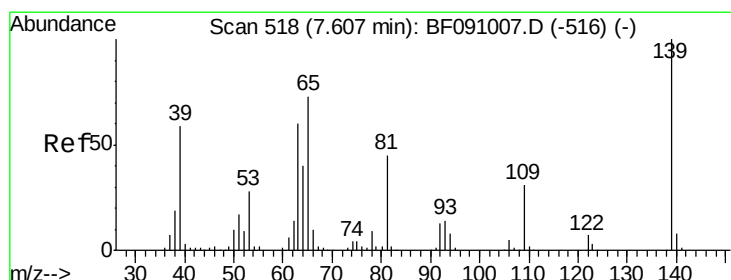
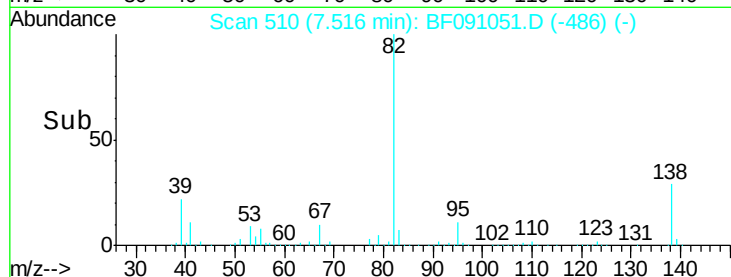
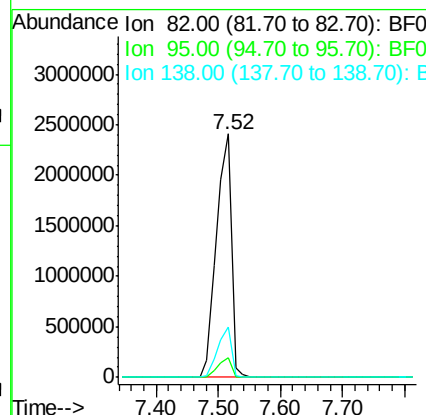
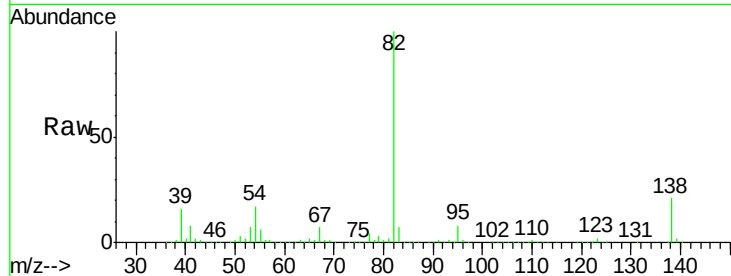
Tot Ion: 82 Resp: 3973134

Ion Ratio Lower Upper

82 100

95 7.9 5.4 8.0

138 20.7 13.0 19.4#



#26

2-Nitrophenol

Concen: 11.71 ng

RT: 7.52 min Scan# 510

Delta R.T. -0.09 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

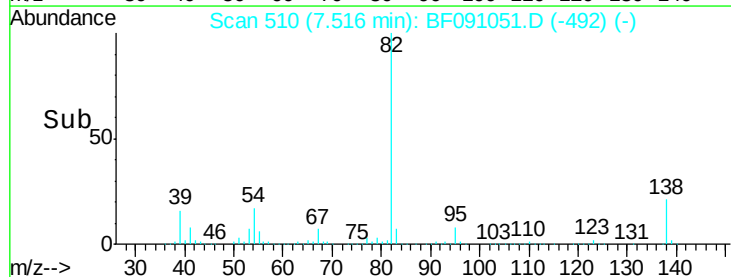
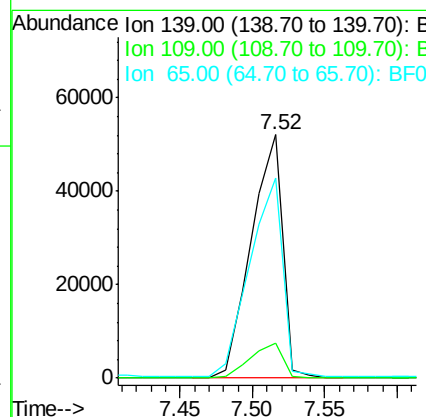
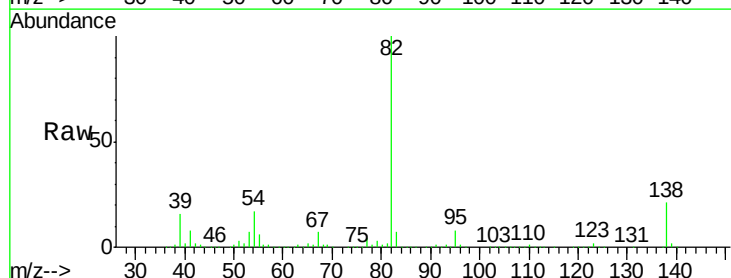
Tgt Ion:139 Resp: 78521

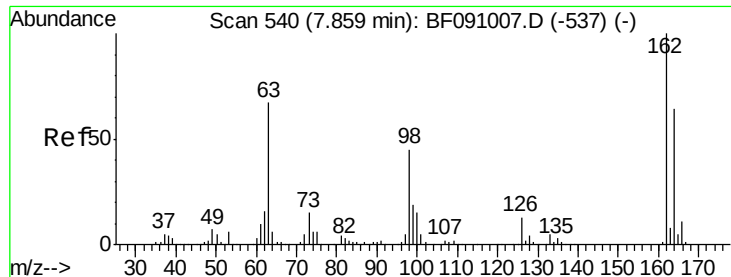
Ion Ratio Lower Upper

139 100

109 14.6 24.7 37.1#

65 82.0 58.3 87.5

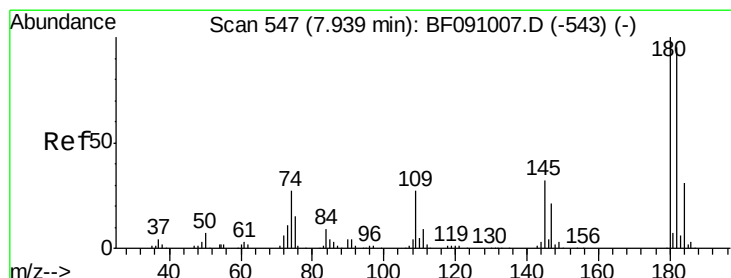
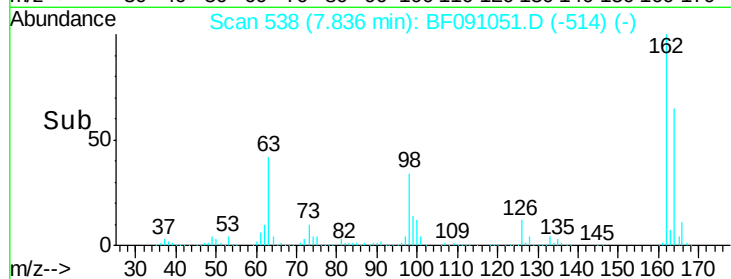
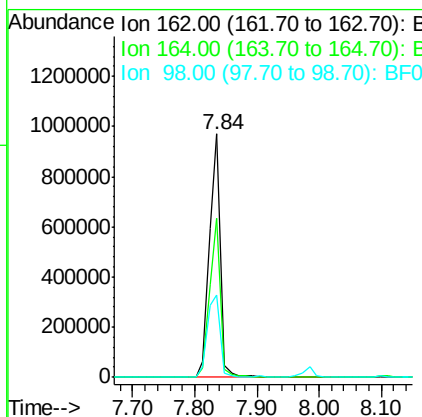
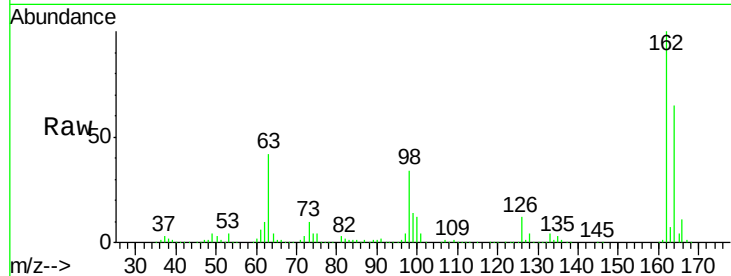




#29
 2,4-Dichlorophenol
 Concen: 123.06 ng
 RT: 7.84 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

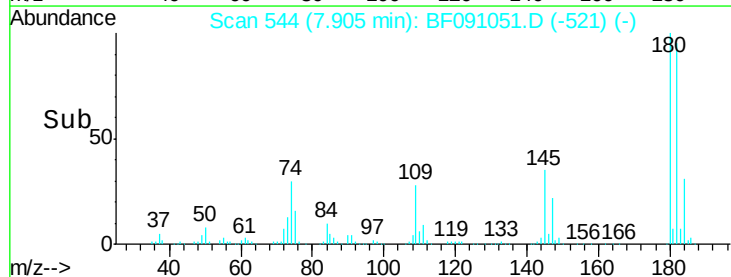
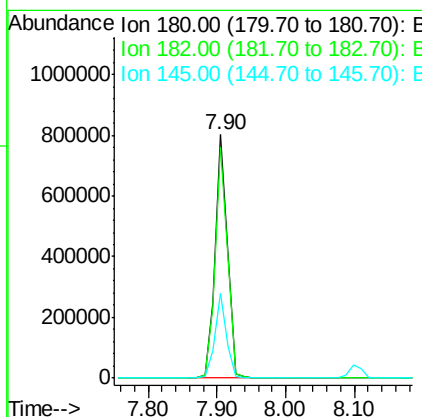
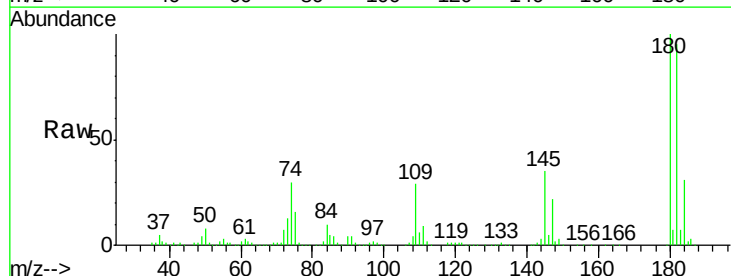
Instrument :
 BNA_F
 ClientSampleId :

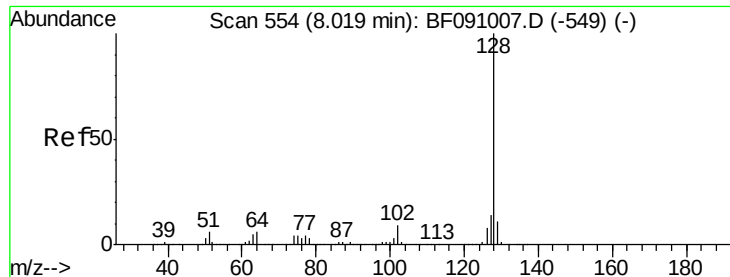
Tot Ion:162 Resp: 1190991
 Ion Ratio Lower Upper
 162 100
 164 65.3 44.4 84.4
 98 33.6 25.2 65.2



#30
 1,2,4-Trichlorobenzene
 Concen: 93.74 ng
 RT: 7.90 min Scan# 544
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Tgt Ion:180 Resp: 1020126
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 145 34.6 25.8 38.8





#31

Naphthalene

Concen: 81.63 ng

RT: 7.98 min Scan# 551

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampleId :

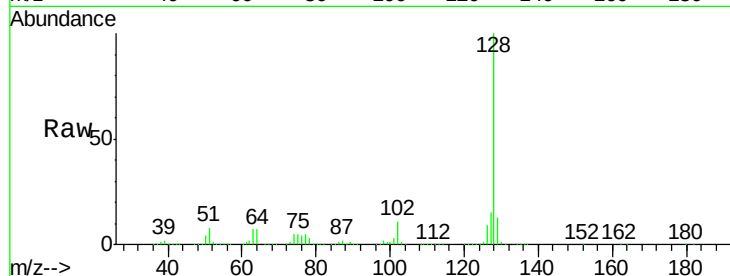
Tot Ion:128 Resp: 3055264

Ion Ratio Lower Upper

128 100

129 12.5 9.0 13.6

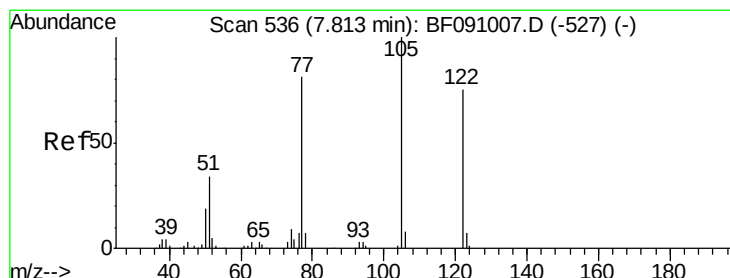
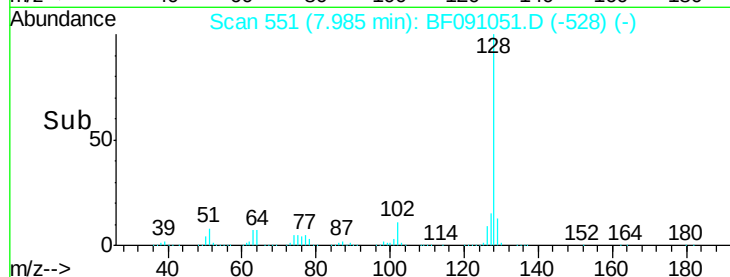
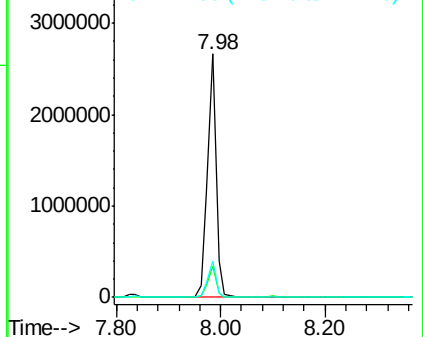
127 14.9 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.62 ng

RT: 7.90 min Scan# 544

Delta R.T. 0.09 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

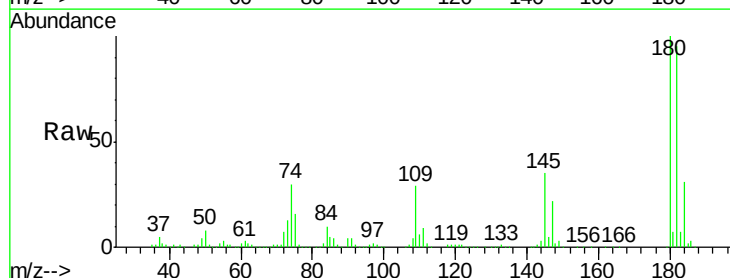
Tgt Ion:122 Resp: 5289

Ion Ratio Lower Upper

122 100

105 0.0 105.9 145.9#

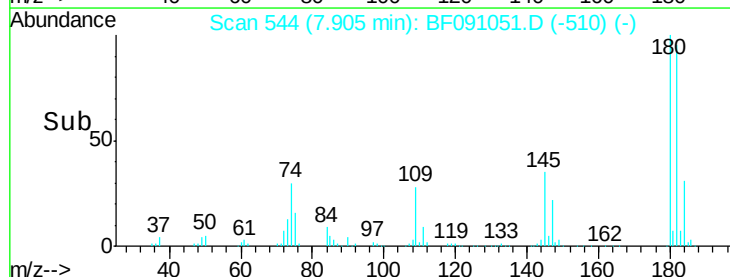
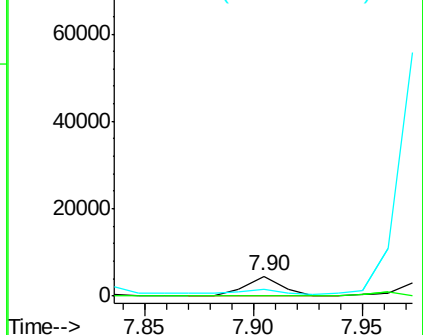
77 36.0 84.0 124.0#

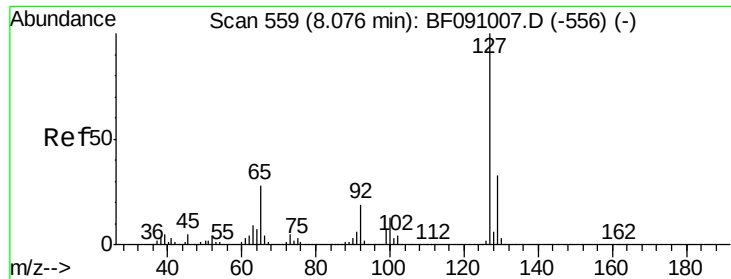


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

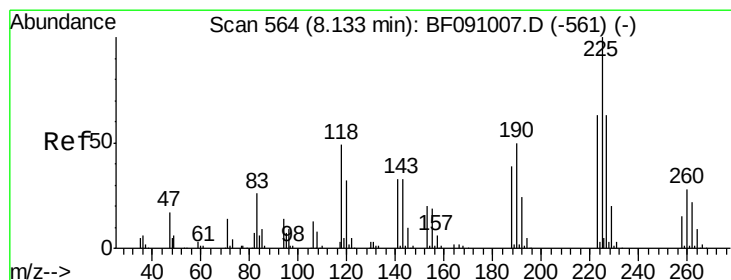
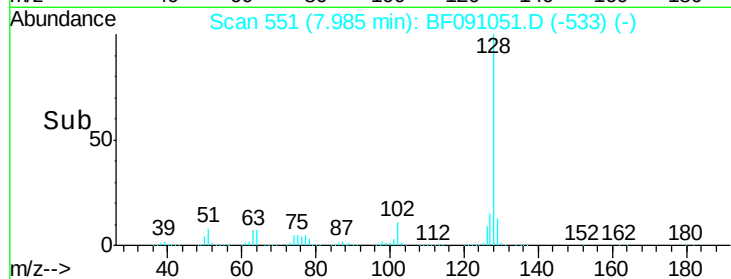
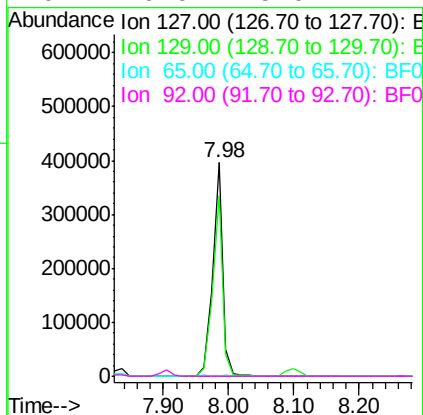
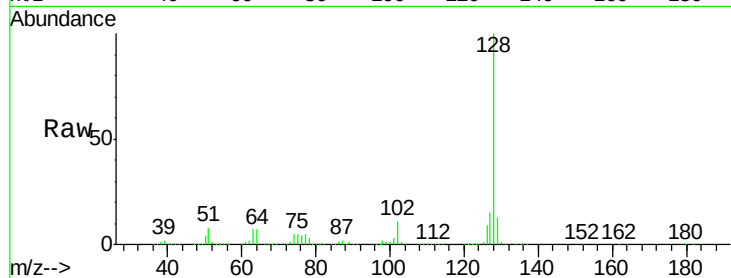




#33
4-Chloroaniline
Concen: 27.90 ng
RT: 7.98 min Scan# 551
Delta R.T. -0.09 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

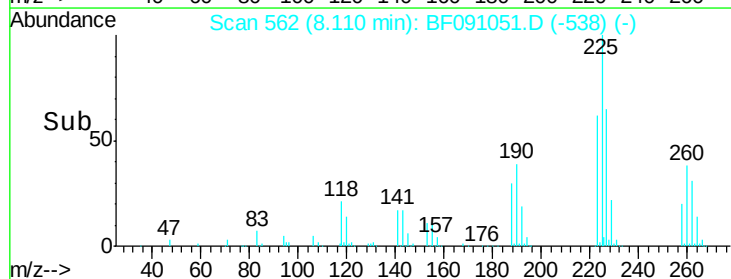
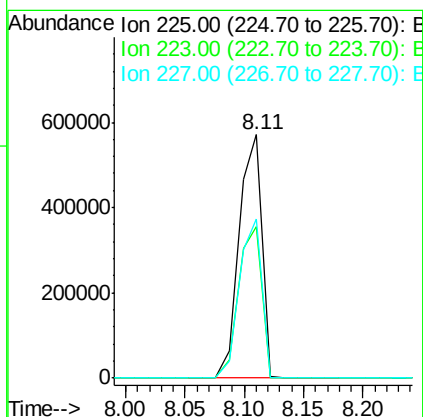
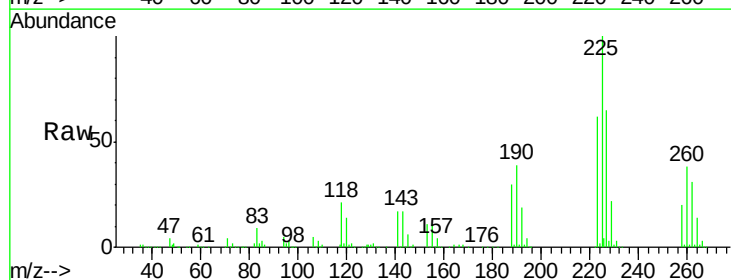
Instrument :
BNA_F
ClientSampleId :

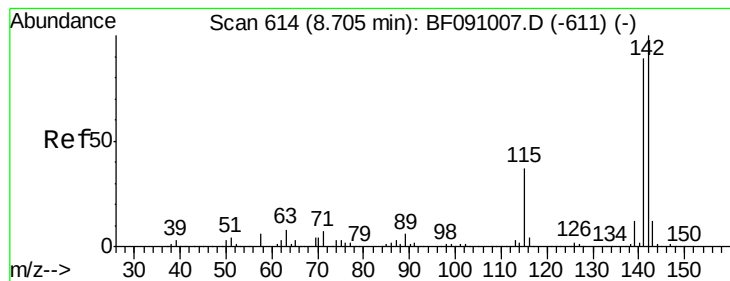
Tot Ion:	127	Resp:	434304
Ion	Ratio	Lower	Upper
127	100		
129	84.3	26.6	39.8#
65	0.0	22.2	33.2#
92	0.0	15.0	22.4#



#34
Hexachlorobutadiene
Concen: 129.38 ng
RT: 8.11 min Scan# 562
Delta R.T. -0.02 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion:	225	Resp:	759921
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.4	75.6
227	65.4	50.1	75.1

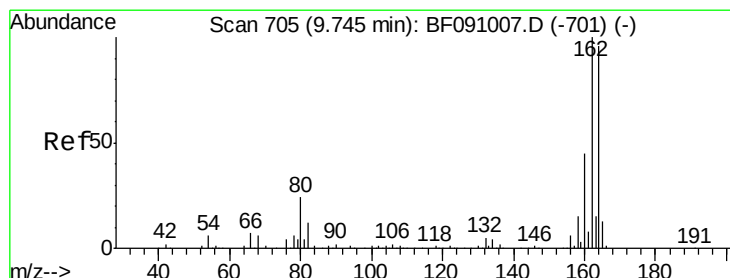
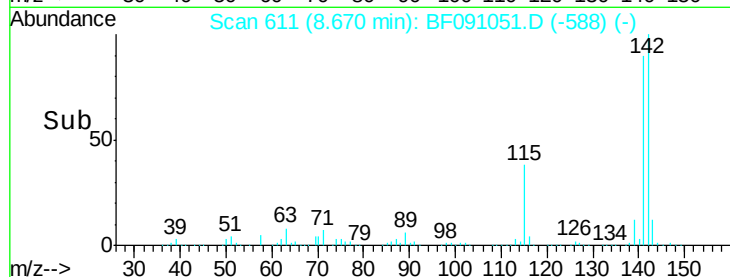
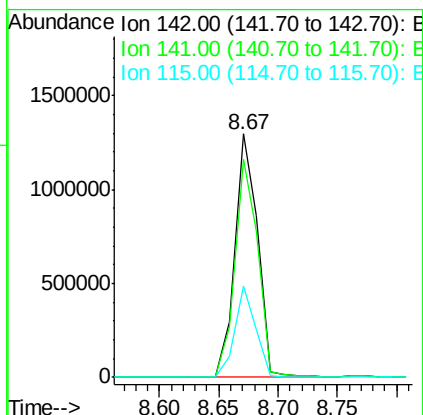
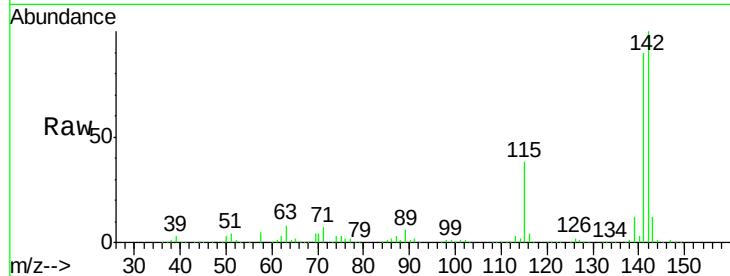




#37
2-Methylnaphthalene
Concen: 72.04 ng
RT: 8.67 min Scan# 611
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

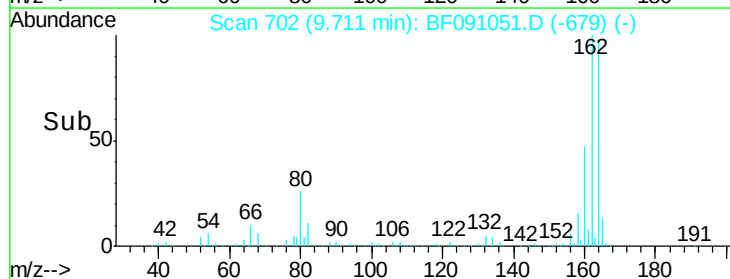
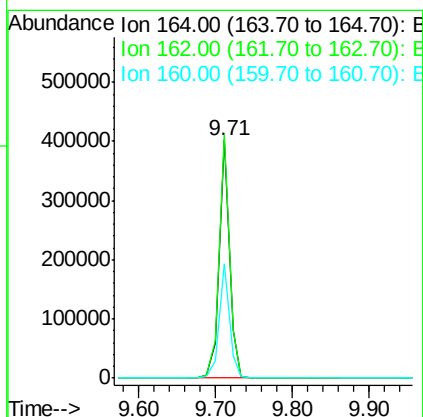
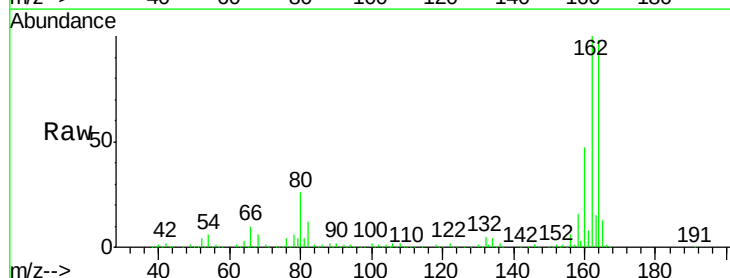
Instrument :
BNA_F
ClientSampleId :

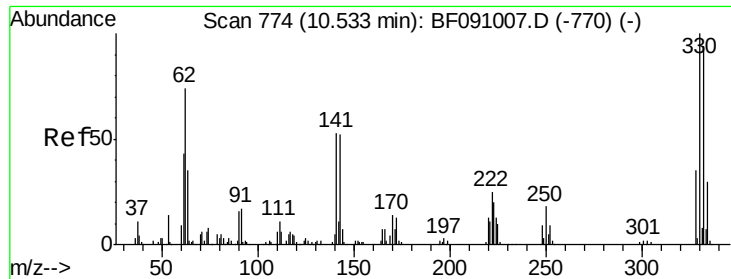
Tot Ion:142 Resp: 1733414
Ion Ratio Lower Upper
142 100
141 89.8 71.3 106.9
115 37.6 29.9 44.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion:164 Resp: 381515
Ion Ratio Lower Upper
164 100
162 102.1 83.6 125.4
160 47.7 37.9 56.9

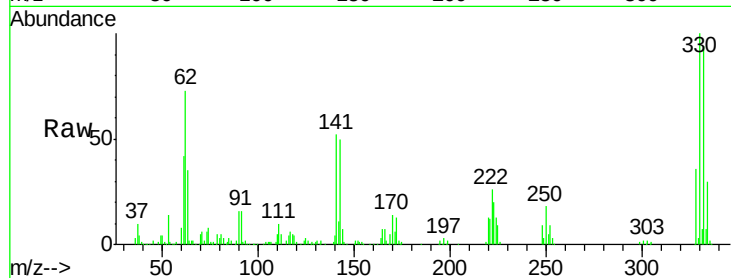




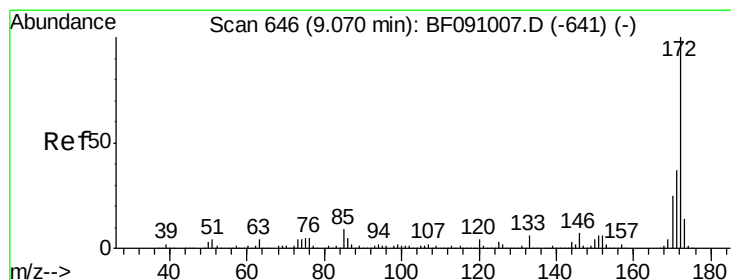
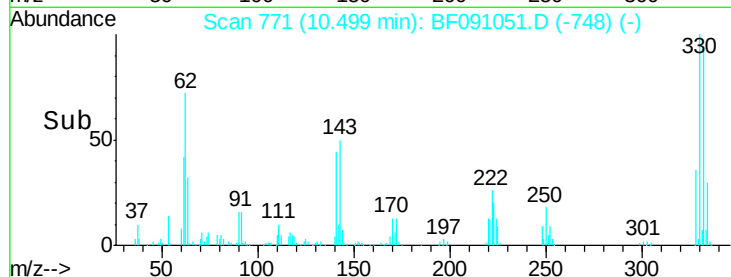
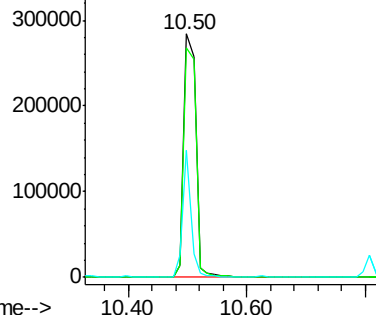
#41
 2,4,6-Tribromophenol
 Concen: 116.36 ng
 RT: 10.50 min Scan# 771
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 401358
 Ion Ratio Lower Upper
 330 100
 332 96.3 75.9 113.9
 141 35.9 36.1 54.1#

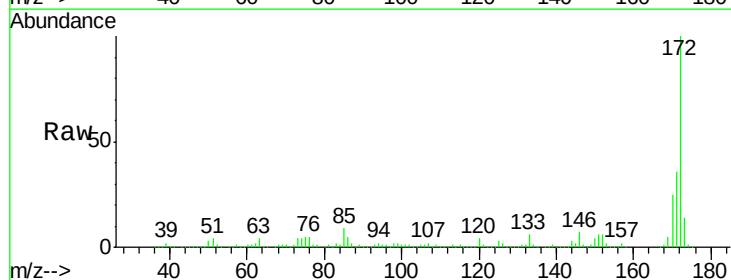


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

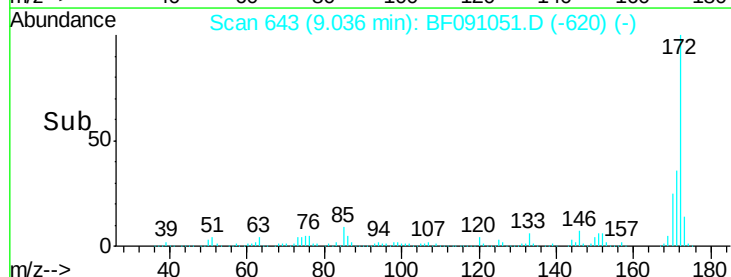
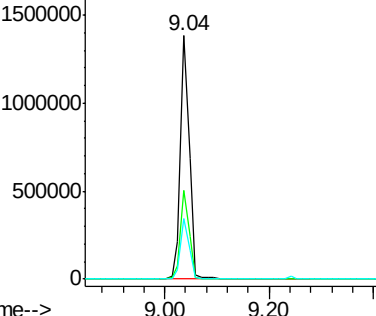


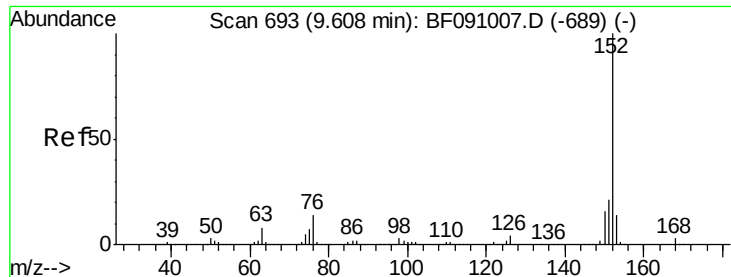
#44
 2-Fluorobiphenyl
 Concen: 73.88 ng
 RT: 9.04 min Scan# 643
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Tgt Ion:172 Resp: 1637102
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.8 44.6
 170 25.1 20.3 30.5



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





#48

Acenaphthylene

Concen: 86.79 ng

RT: 9.57 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampled :

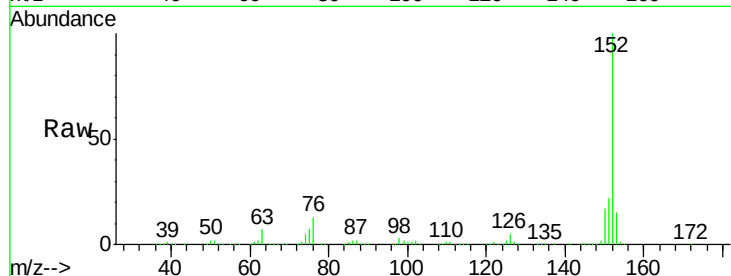
Tot Ion:152 Resp: 2860574

Ion Ratio Lower Upper

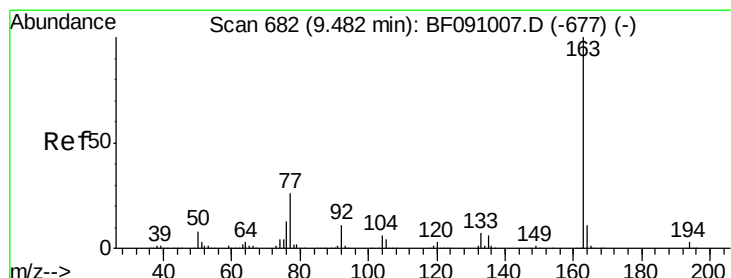
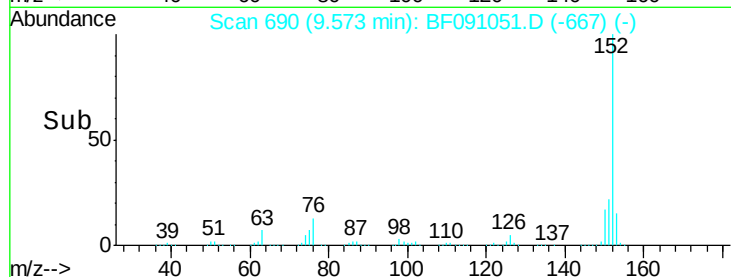
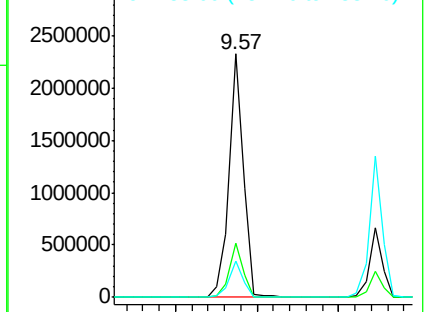
152 100

151 22.3 16.7 25.1

153 14.8 11.1 16.7



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



#49

Dimethylphthalate

Concen: 2.53 ng

RT: 9.45 min Scan# 679

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

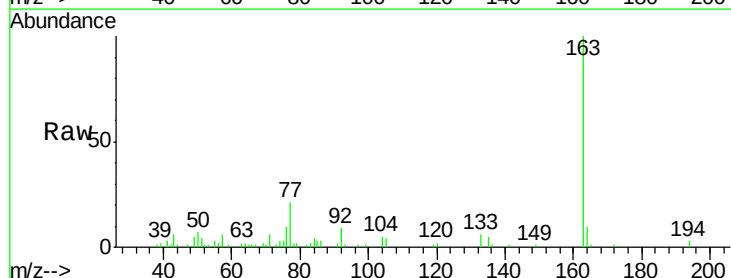
Tgt Ion:163 Resp: 63324

Ion Ratio Lower Upper

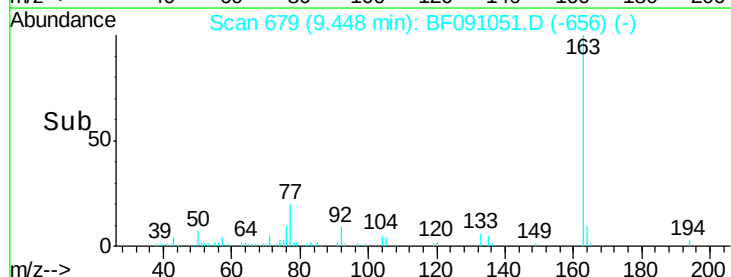
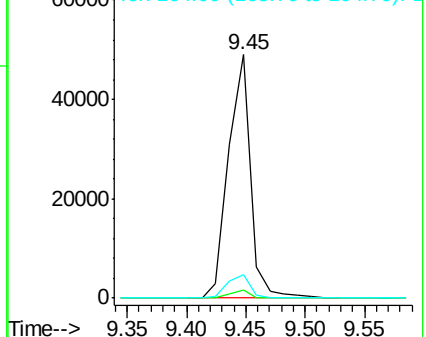
163 100

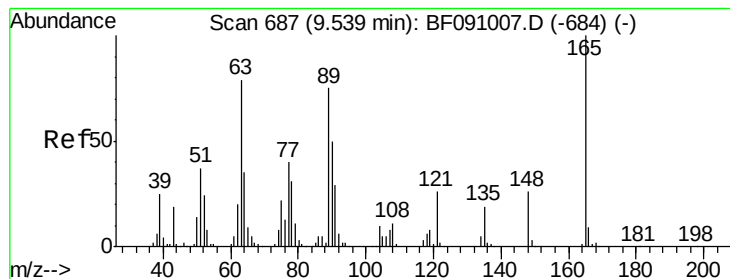
194 3.3 2.6 4.0

164 9.5 8.7 13.1



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: 9.12 ng

RT: 9.71 min Scan# 702

Delta R.T. 0.17 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampleId :

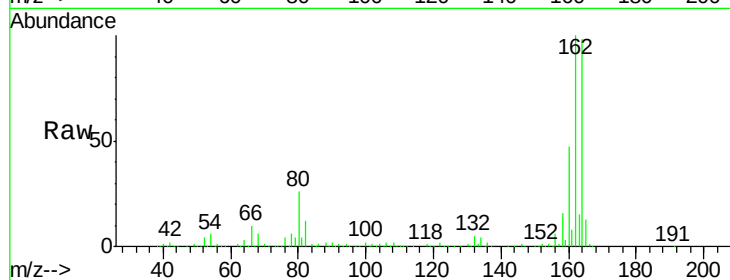
Tot Ion:165 Resp: 48893

Ion Ratio Lower Upper

165 100

63 1.6 65.6 98.4#

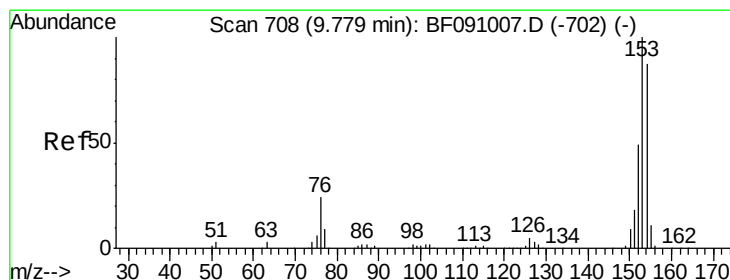
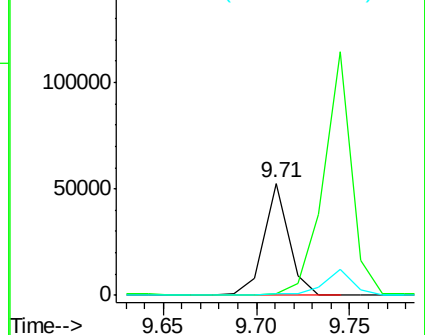
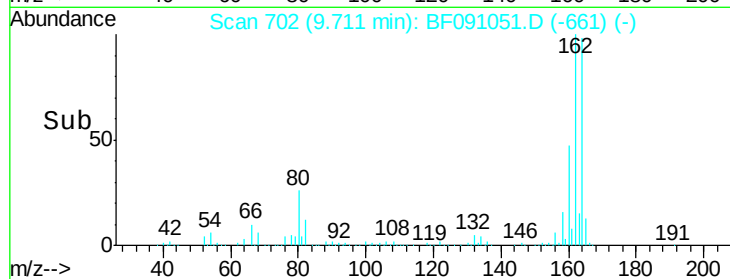
89 1.2 59.8 89.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 65.60 ng

RT: 9.74 min Scan# 705

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

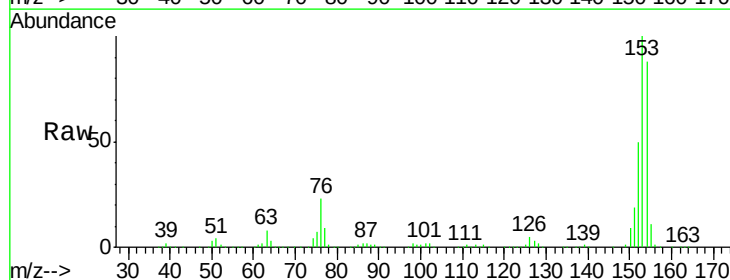
Tgt Ion:154 Resp: 1357451

Ion Ratio Lower Upper

154 100

153 113.6 91.6 137.4

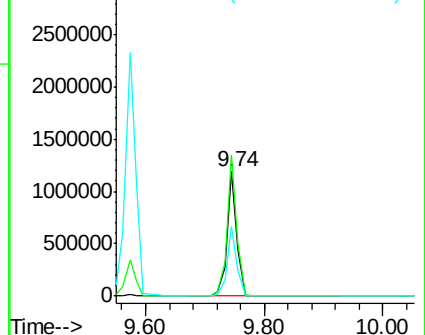
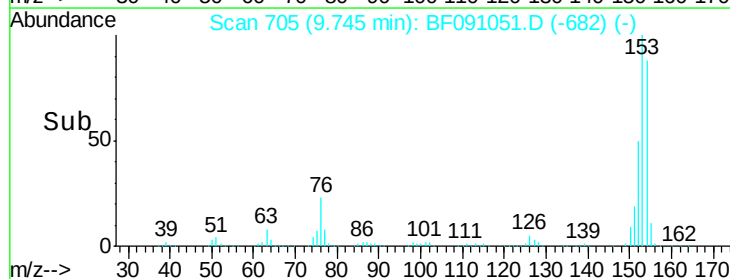
152 56.4 44.6 67.0

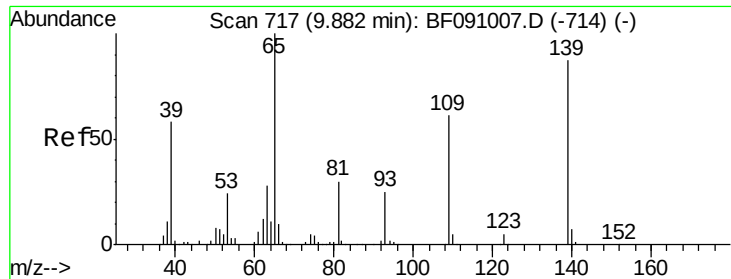


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

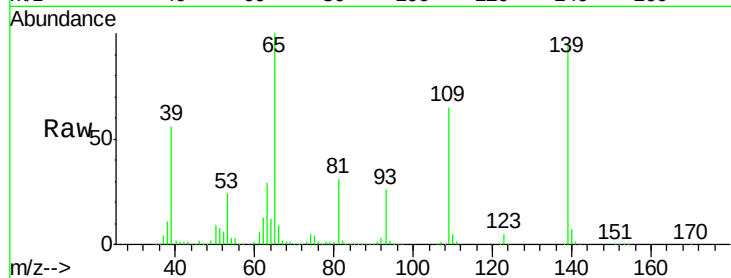




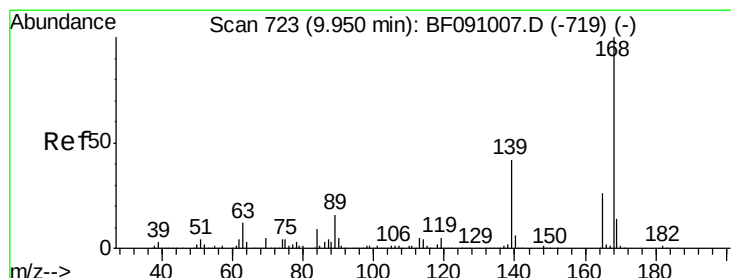
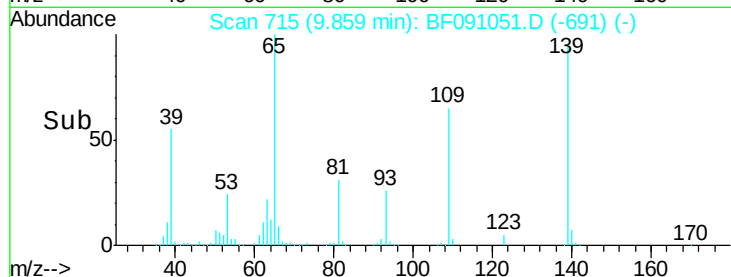
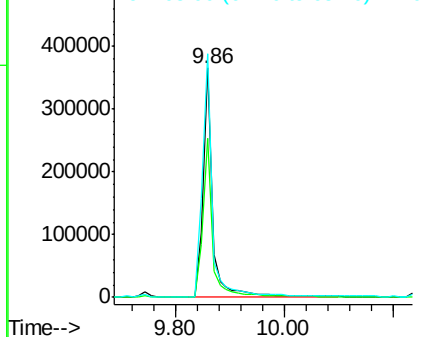
#55
4-Nitrophenol
Concen: 104.84 ng
RT: 9.86 min Scan# 715
Delta R.T. -0.02 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 452024
Ion Ratio Lower Upper
139 100
109 69.4 50.5 90.5
65 106.1 97.1 137.1

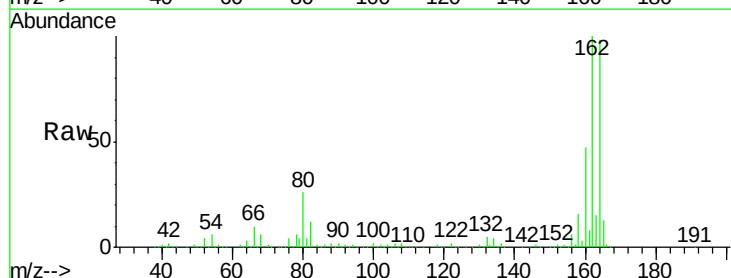


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

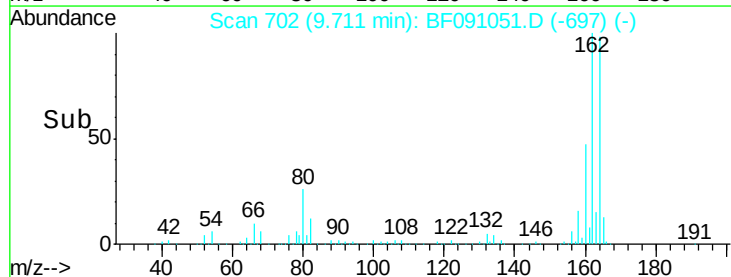
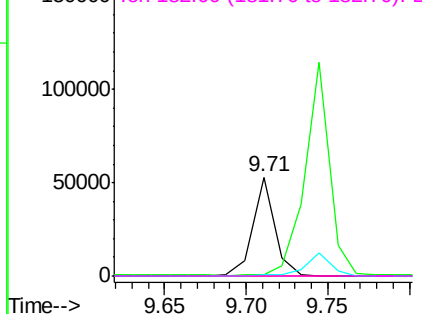


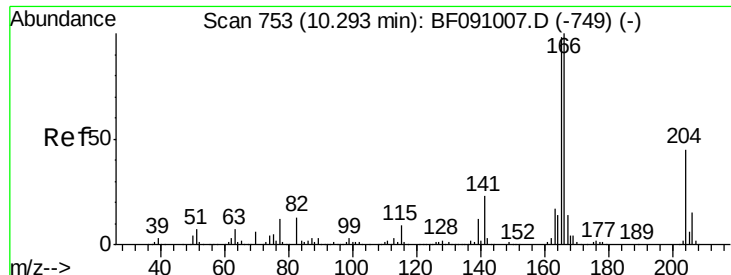
#56
2,4-Dinitrotoluene
Concen: 7.17 ng
RT: 9.71 min Scan# 702
Delta R.T. -0.24 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion:165 Resp: 48896
Ion Ratio Lower Upper
165 100
63 1.6 38.7 58.1#
89 1.2 50.6 76.0#
182 0.0 1.8 2.8#



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

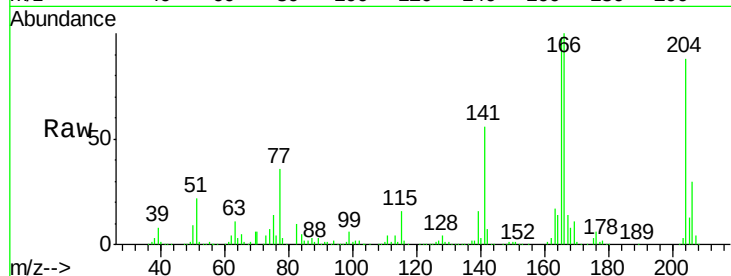




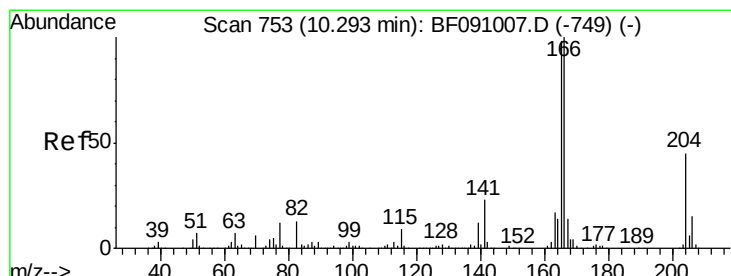
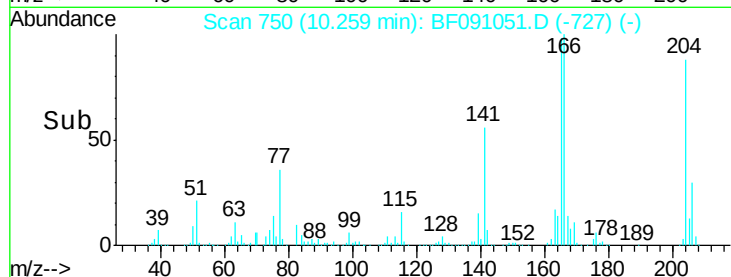
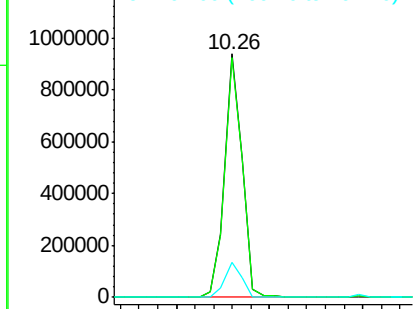
#57
 Fluorene
 Concen: 53.86 ng
 RT: 10.26 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 1226263
 Ion Ratio Lower Upper
 166 100
 165 98.5 78.6 118.0
 167 14.4 11.1 16.7

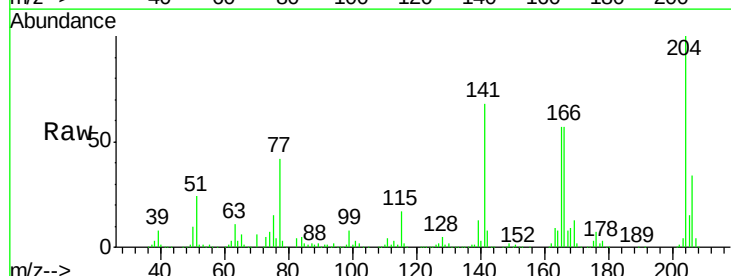


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

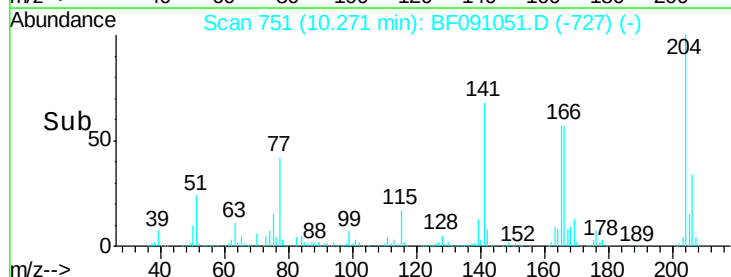
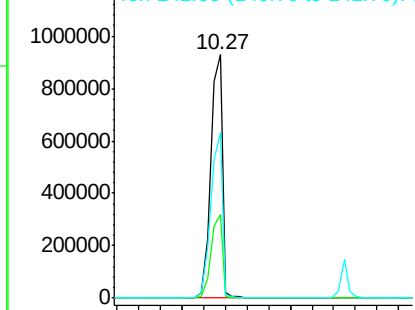


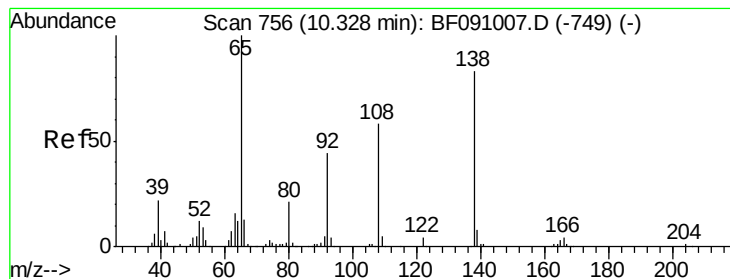
#60
 4-Chlorophenyl-phenylether
 Concen: 136.05 ng
 RT: 10.27 min Scan# 751
 Delta R.T. -0.02 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Tgt Ion:204 Resp: 1409855
 Ion Ratio Lower Upper
 204 100
 206 34.2 27.1 40.7
 141 68.2 40.1 60.1#



Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 3.16 ng

RT: 10.26 min Scan# 750

Delta R.T. -0.07 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampleId :

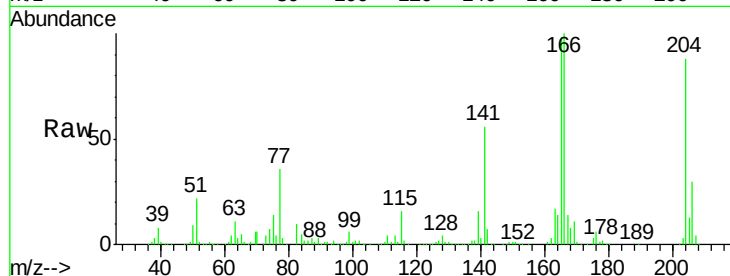
Tot Ion:138 Resp: 20302

Ion Ratio Lower Upper

138 100

92 35.3 32.5 72.5

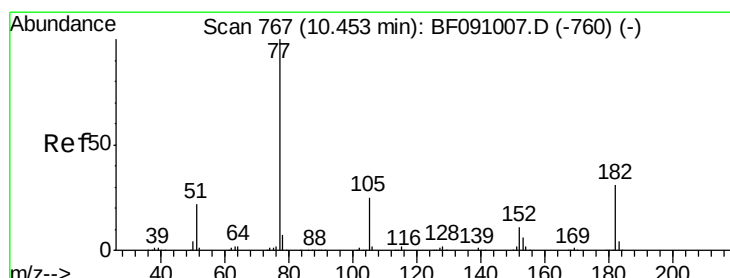
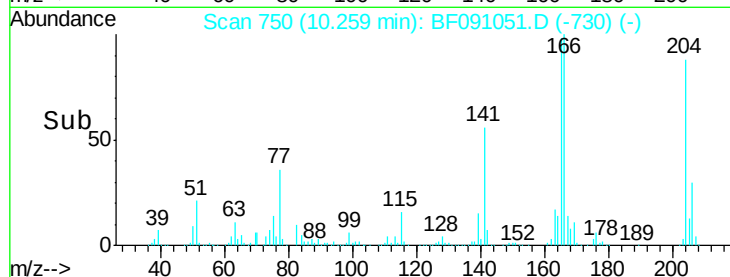
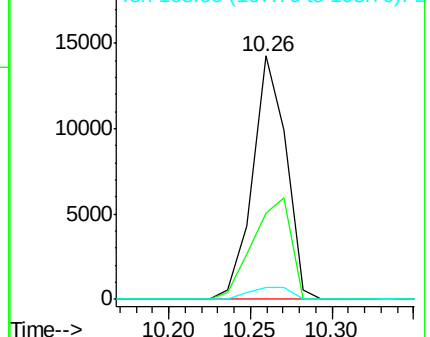
108 4.7 49.4 89.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 21.64 ng

RT: 10.27 min Scan# 751

Delta R.T. -0.18 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Tgt Ion: 77 Resp: 653310

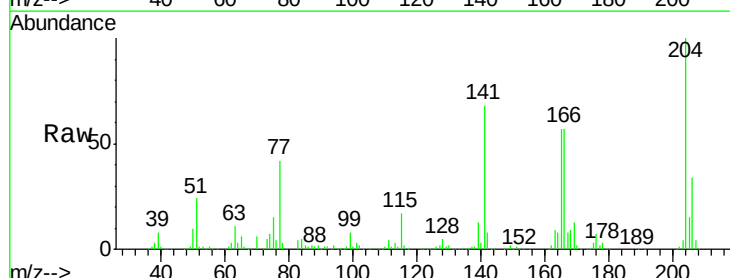
Ion Ratio Lower Upper

77 100

182 0.0 11.0 51.0#

105 0.2 5.6 45.6#

51 56.8 2.7 42.7#

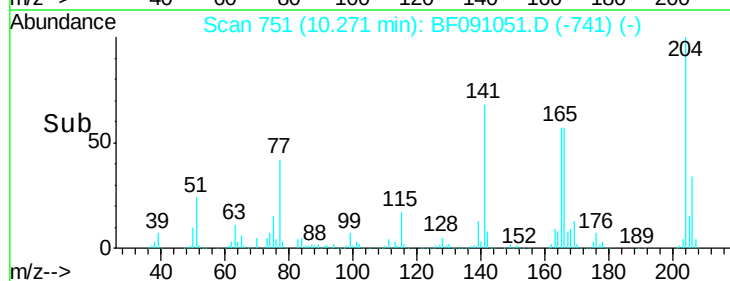
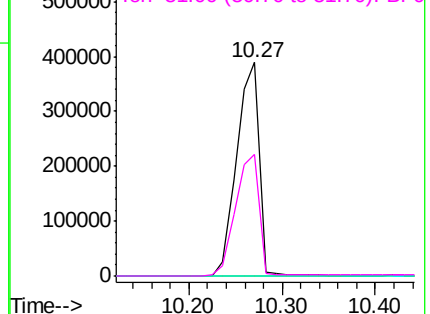


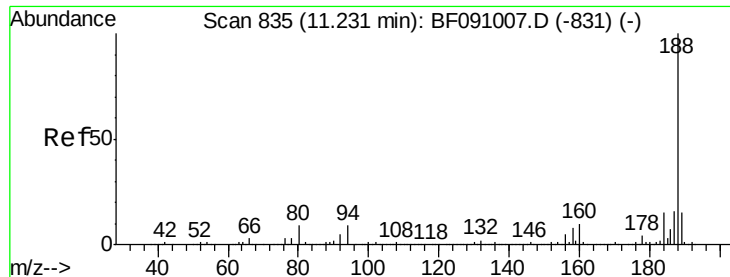
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

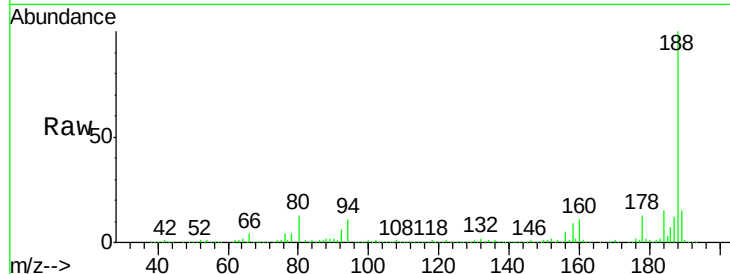




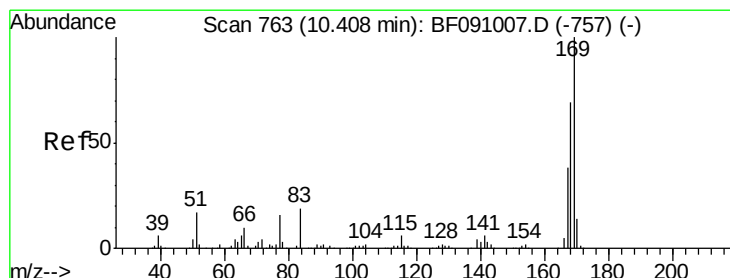
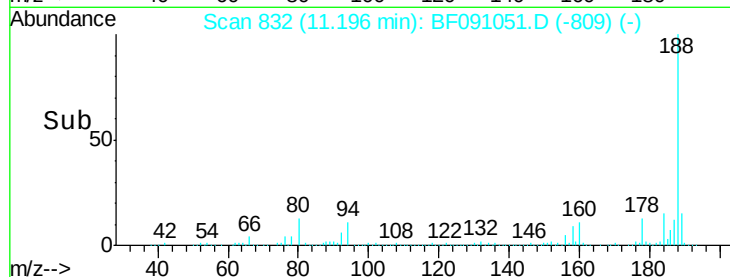
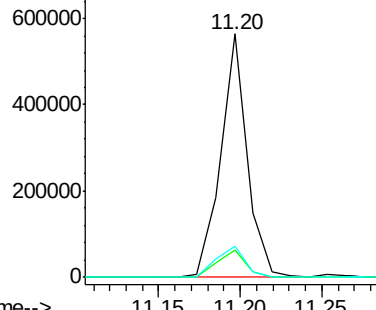
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 633159
Ion Ratio Lower Upper
188 100
94 11.4 7.0 10.4#
80 12.6 7.5 11.3#

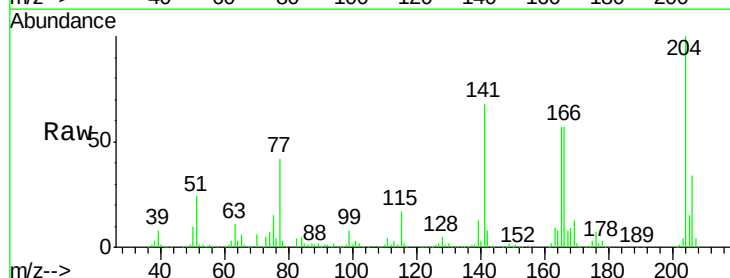


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

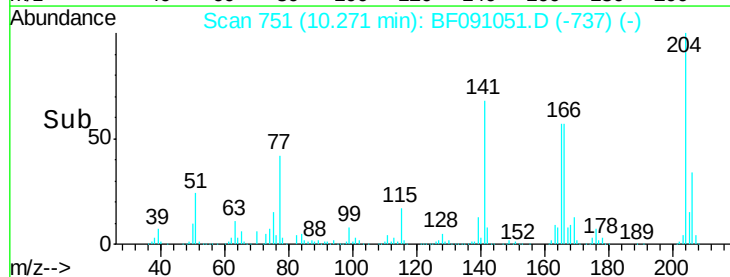
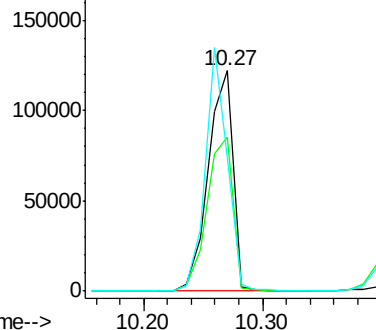


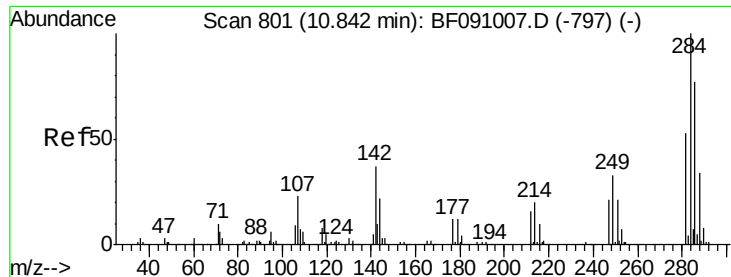
#65
n-Nitrosodiphenylamine
Concen: 8.77 ng
RT: 10.27 min Scan# 751
Delta R.T. -0.14 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion:169 Resp: 176525
Ion Ratio Lower Upper
169 100
168 69.7 55.3 82.9
167 60.8 30.3 45.5#



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

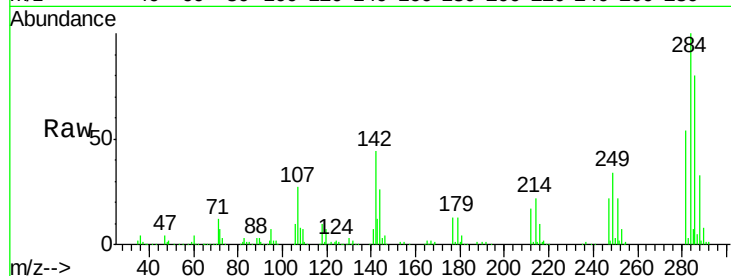




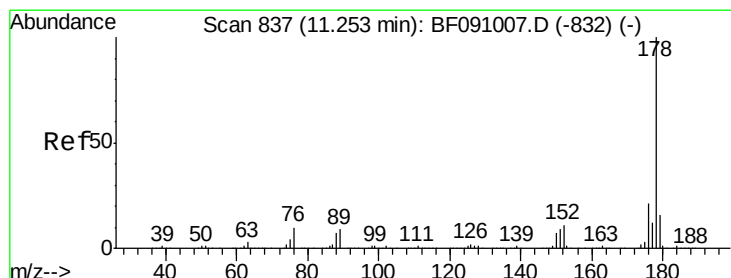
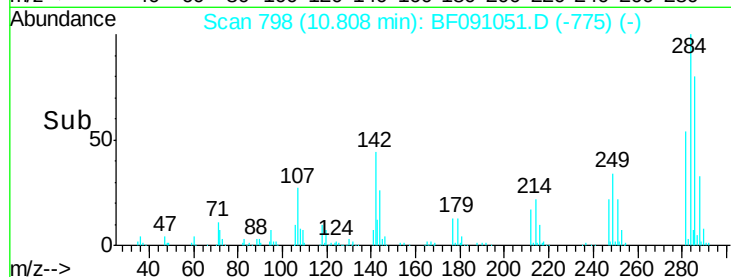
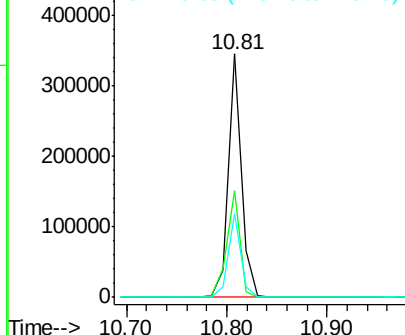
#67
Hexachlorobenzene
Concen: 43.14 ng
RT: 10.81 min Scan# 798
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:284 Resp: 313353
Ion Ratio Lower Upper
284 100
142 43.7 29.9 44.9
249 34.5 26.6 39.8

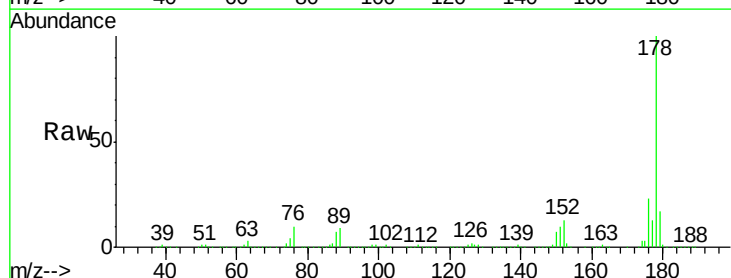


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

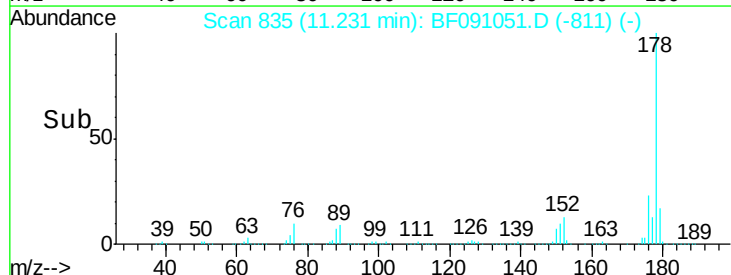
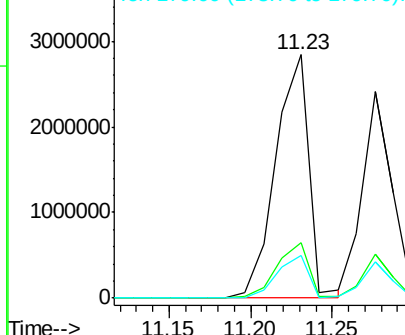


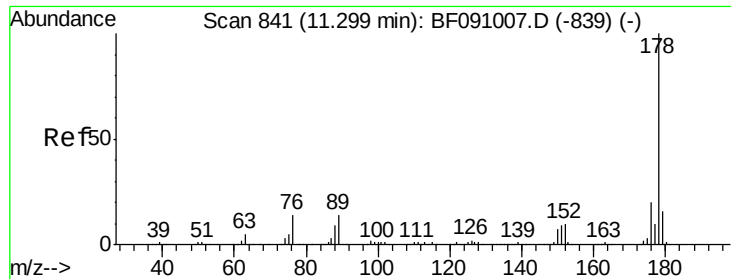
#70
Phenanthrene
Concen: 119.93 ng
RT: 11.23 min Scan# 835
Delta R.T. -0.02 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion:178 Resp: 4036617
Ion Ratio Lower Upper
178 100
176 22.7 16.6 25.0
179 17.3 12.9 19.3



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

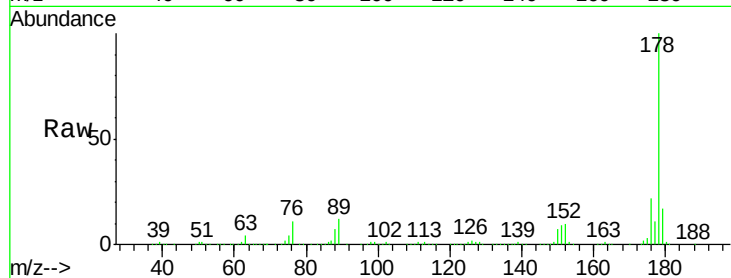




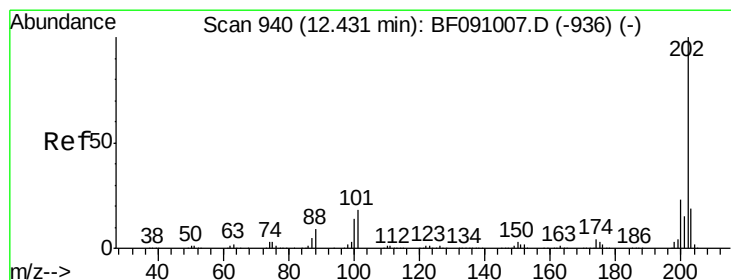
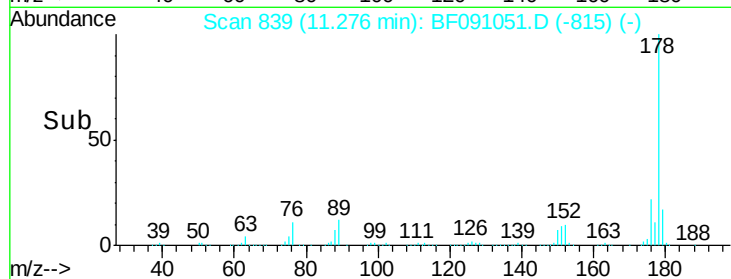
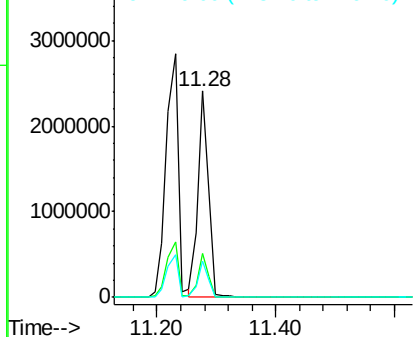
#71
 Anthracene
 Concen: 86.31 ng
 RT: 11.28 min Scan# 839
 Delta R.T. -0.02 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 3088612
 Ion Ratio Lower Upper
 178 100
 176 21.6 16.0 24.0
 179 17.3 13.0 19.6

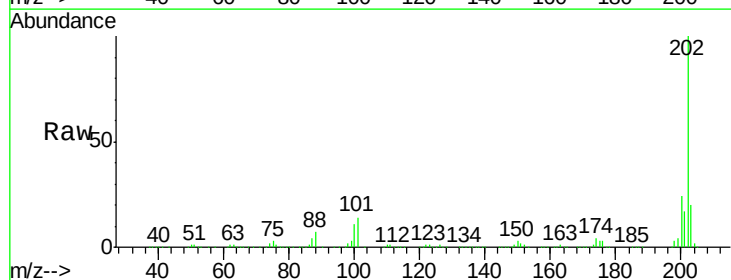


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

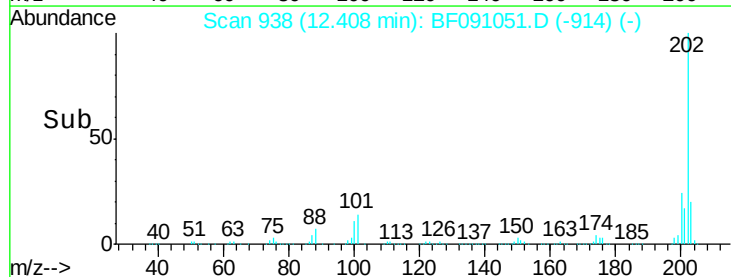
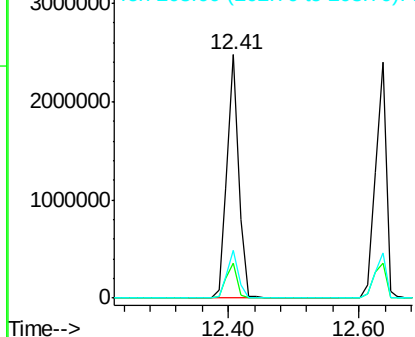


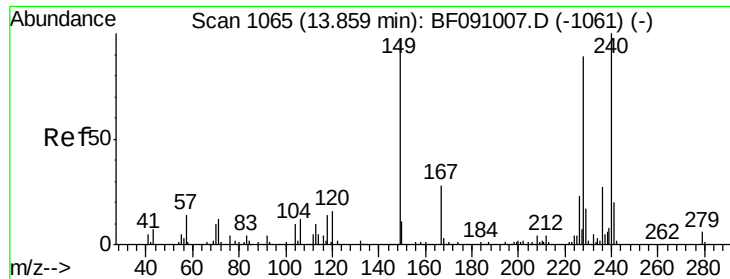
#74
 Fluoranthene
 Concen: 89.48 ng
 RT: 12.41 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Tgt Ion:202 Resp: 3123654
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 37.6
 203 19.5 0.0 38.6



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: 13.83 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampled :

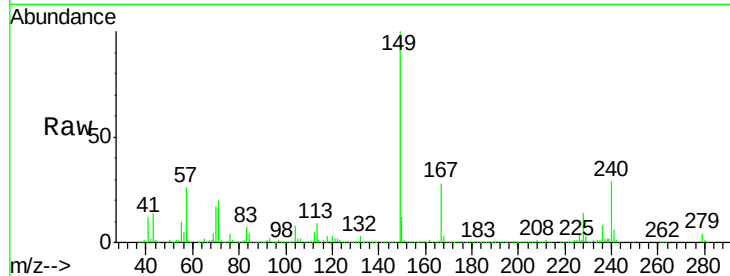
Tot Ion:240 Resp: 453714

Ion Ratio Lower Upper

240 100

120 10.5 12.9 19.3#

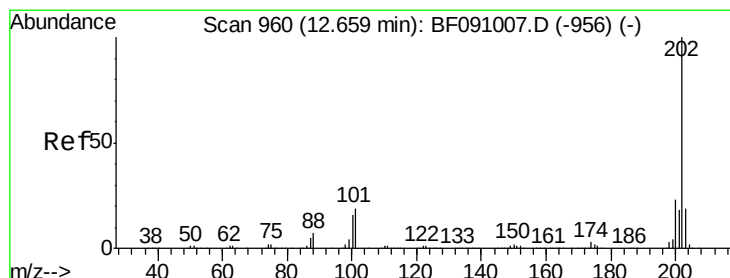
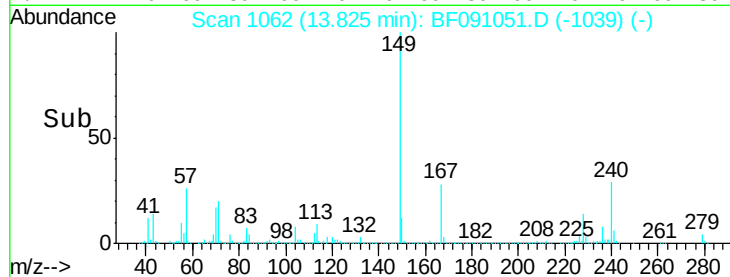
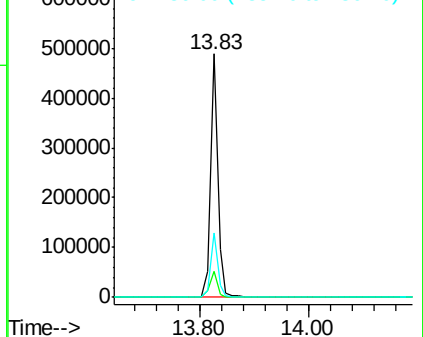
236 26.5 21.9 32.9



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: 90.07 ng

RT: 12.64 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

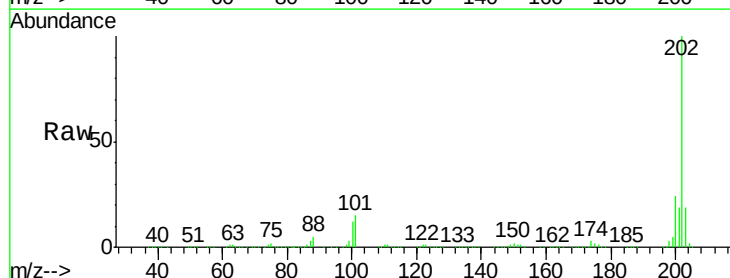
Tgt Ion:202 Resp: 2676381

Ion Ratio Lower Upper

202 100

200 24.5 18.4 27.6

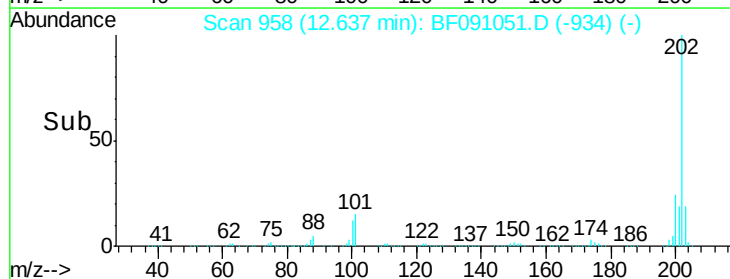
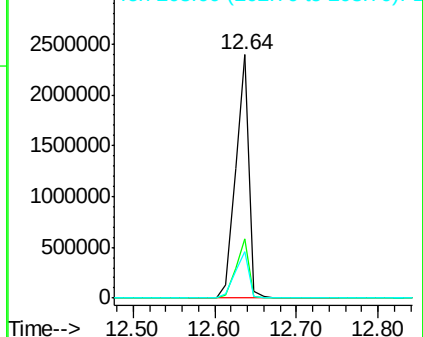
203 19.2 15.0 22.6

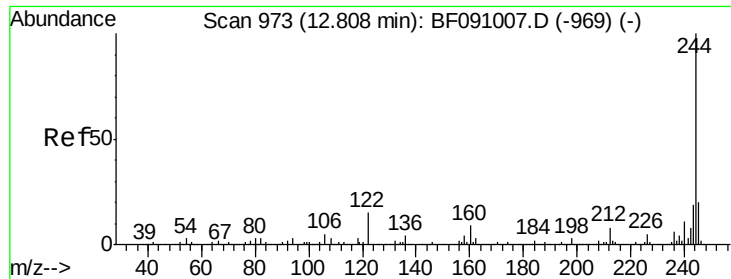


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

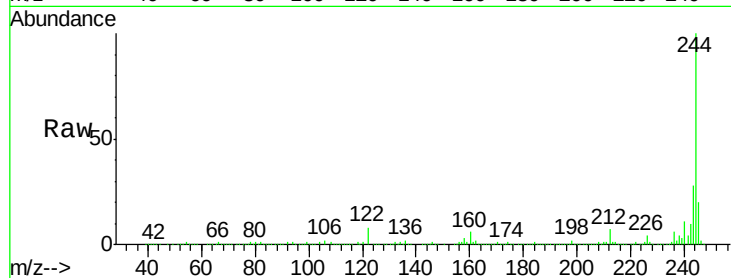




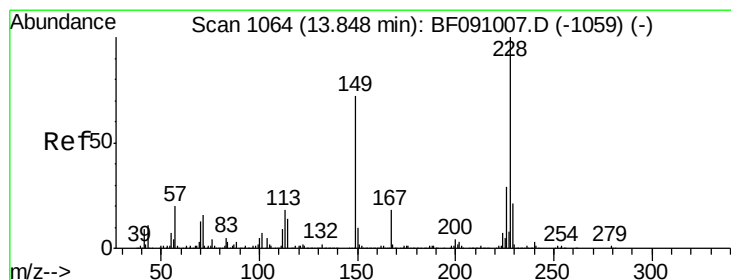
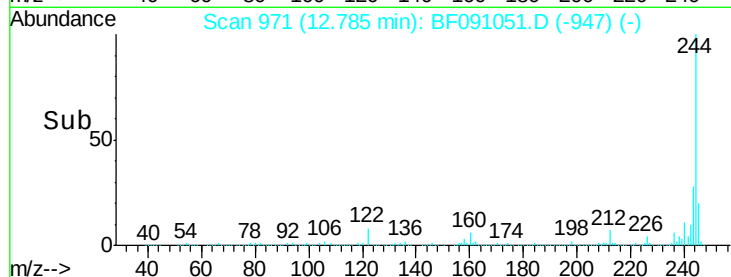
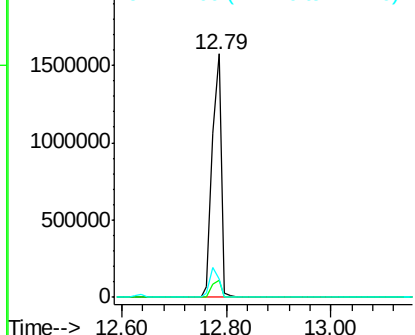
#78
 Terphenyl-d14
 Concen: 104.31 ng
 RT: 12.79 min Scan# 971
 Delta R.T. -0.02 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1896543
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.4 9.6
 122 7.5 12.3 18.5#

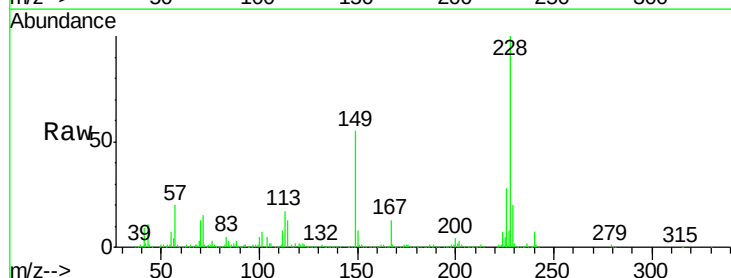


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

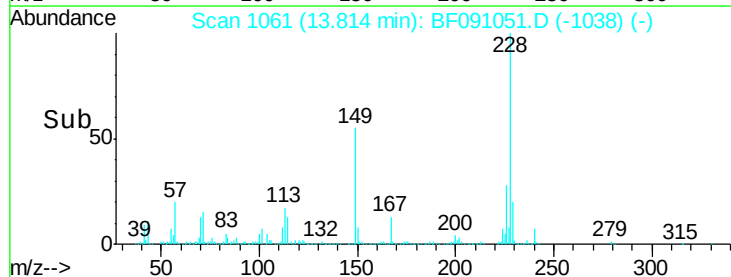
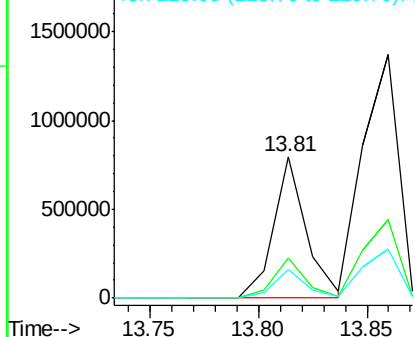


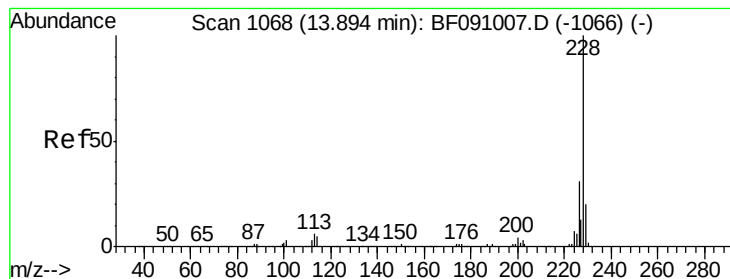
#80
 Benzo(a)anthracene
 Concen: 32.50 ng
 RT: 13.81 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Tgt Ion:228 Resp: 837155
 Ion Ratio Lower Upper
 228 100
 226 27.9 23.0 34.6
 229 20.2 16.6 24.8



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: 62.78 ng

RT: 13.86 min Scan# 1065

Delta R.T. -0.03 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampleId :

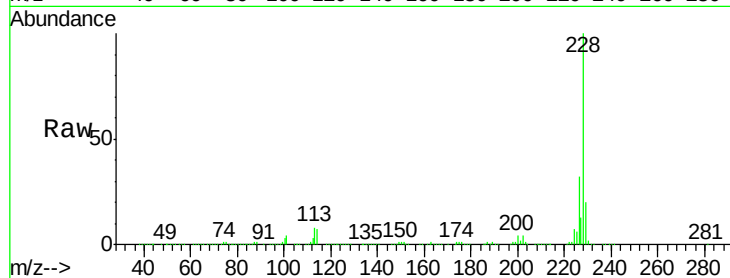
Tot Ion:228 Resp: 1594780

Ion Ratio Lower Upper

228 100

226 32.5 24.9 37.3

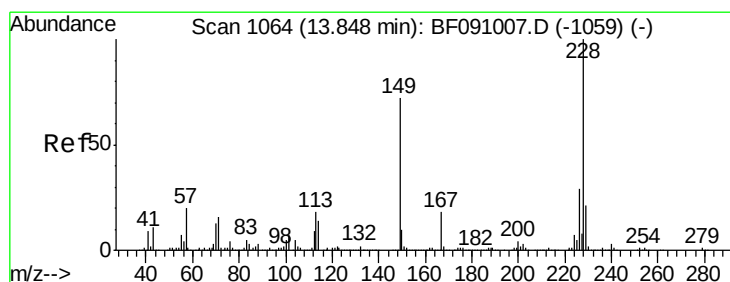
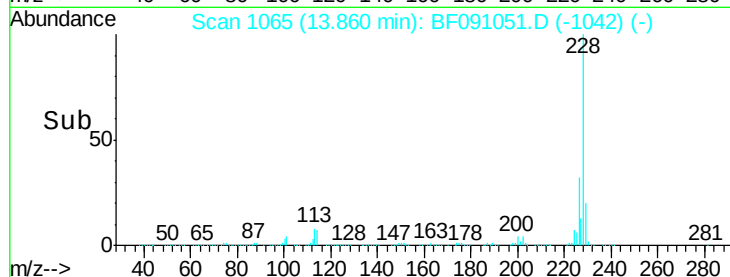
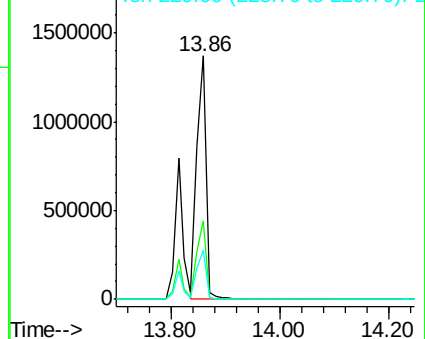
229 20.3 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 150.72 ng

RT: 13.84 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

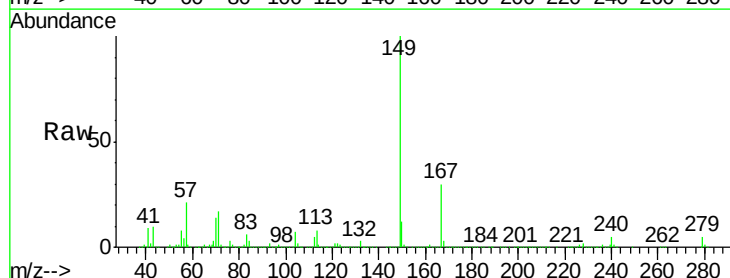
Tgt Ion:149 Resp: 2898927

Ion Ratio Lower Upper

149 100

167 29.9 20.4 30.6

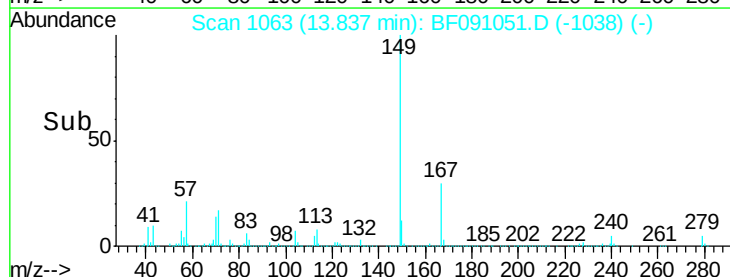
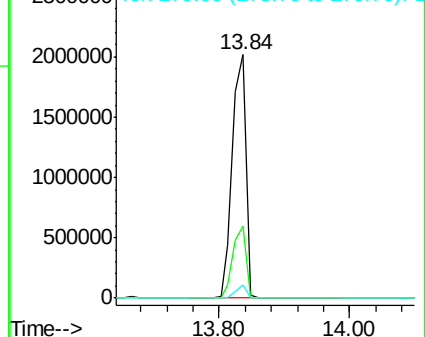
279 5.3 1.6 2.4#

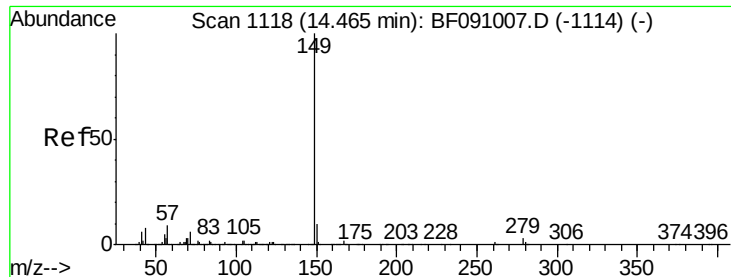


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 131.65 ng

RT: 14.44 min Scan# 1116

Delta R.T. -0.02 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

Instrument :

BNA_F

ClientSampleId :

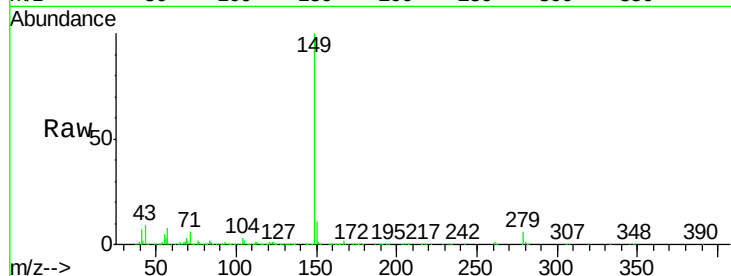
Tot Ion:149 Resp: 4163490

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8#

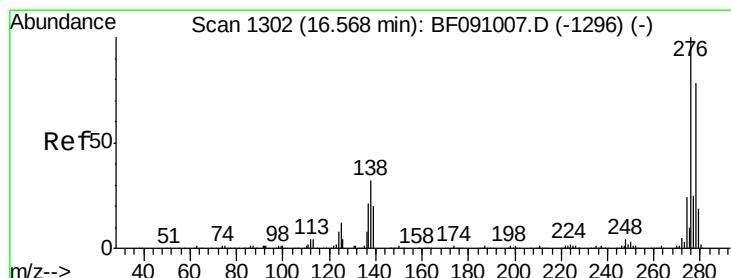
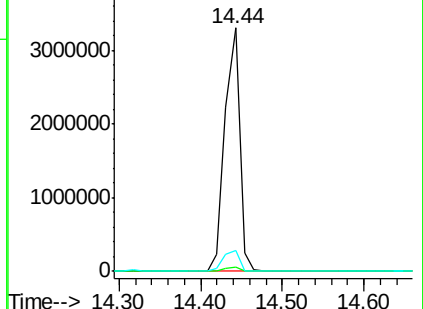
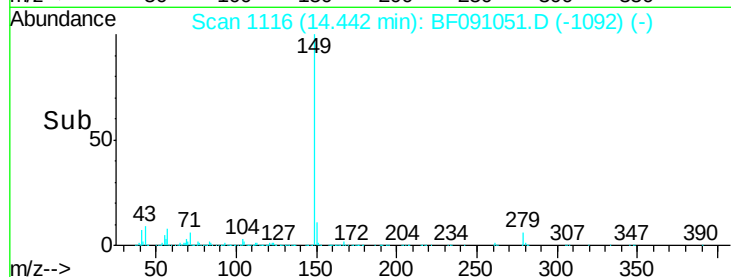
43 9.6 8.2 12.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 64.68 ng

RT: 16.51 min Scan# 1297

Delta R.T. -0.06 min

Lab File: BF091051.D

Acq: 7 Nov 2016 13:10

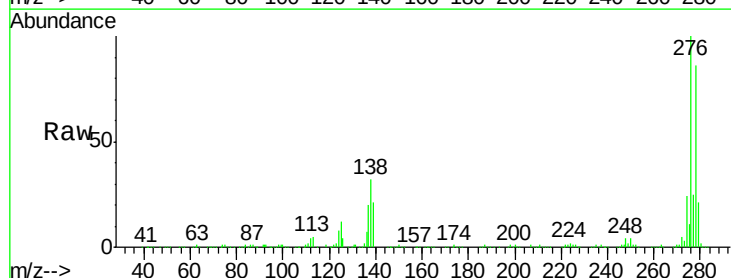
Tgt Ion:276 Resp: 1363276

Ion Ratio Lower Upper

276 100

138 34.5 26.0 39.0

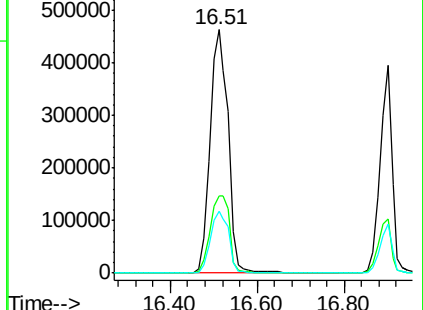
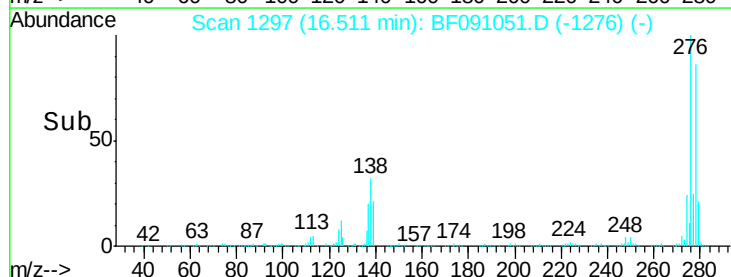
277 25.9 20.1 30.1

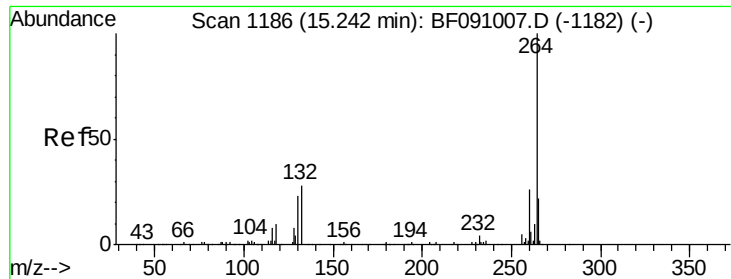


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

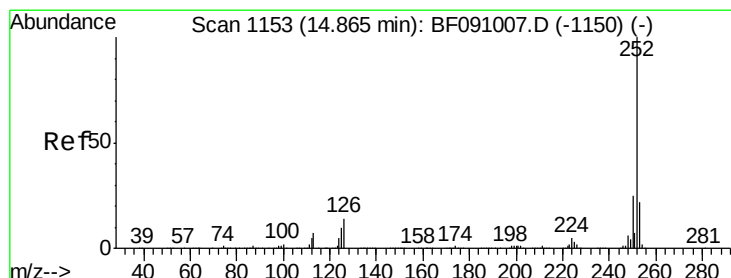
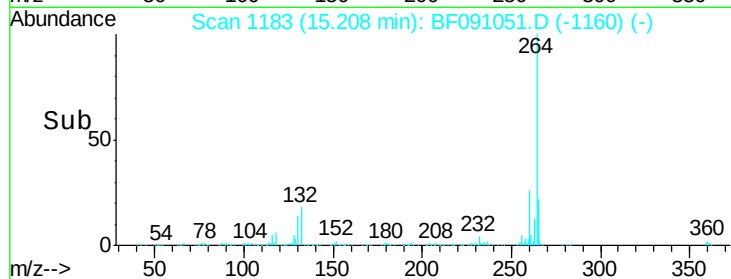
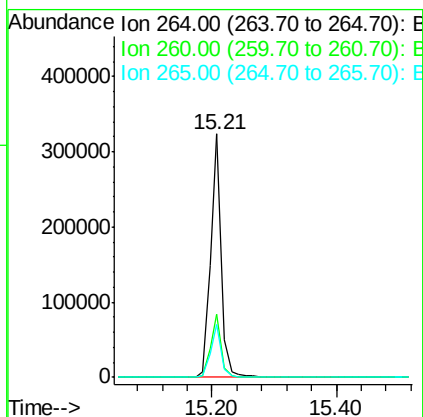
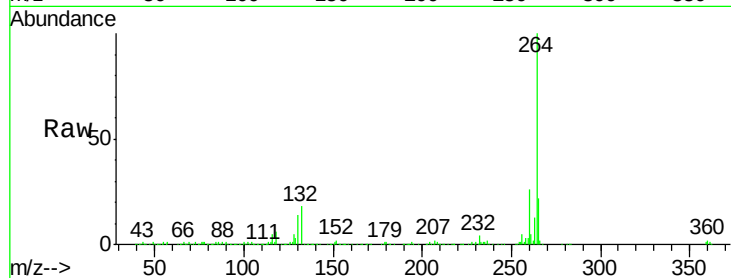




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1183
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

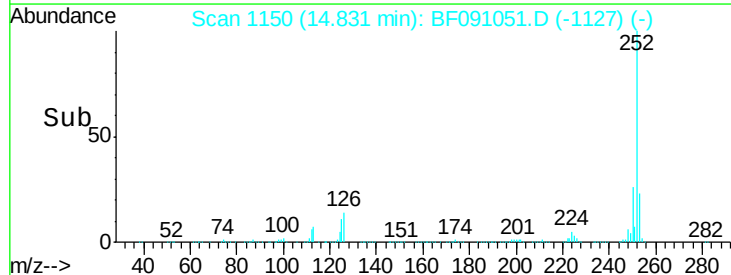
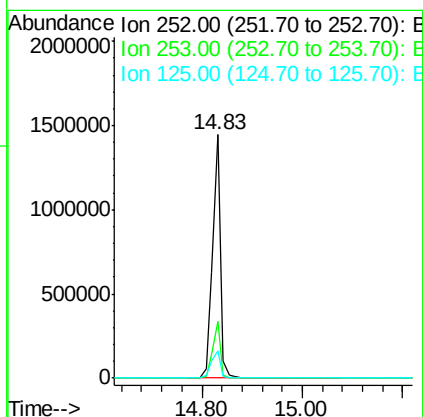
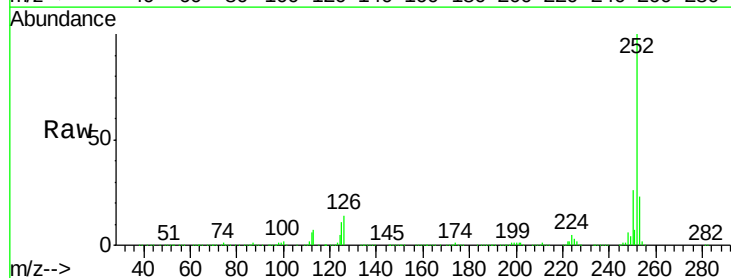
Instrument :
BNA_F
ClientSampleId :

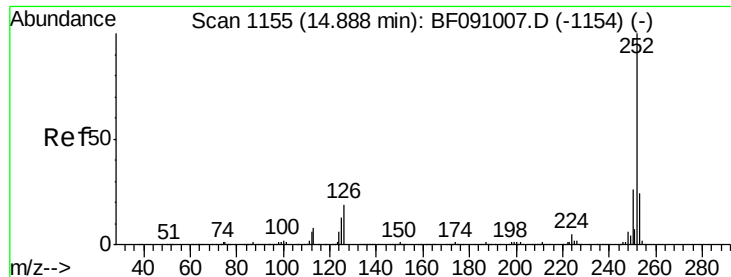
Tot Ion:264 Resp: 378112
Ion Ratio Lower Upper
264 100
260 25.8 20.6 30.8
265 21.7 17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 61.04 ng
RT: 14.83 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion:252 Resp: 1565493
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 11.2 8.3 12.5

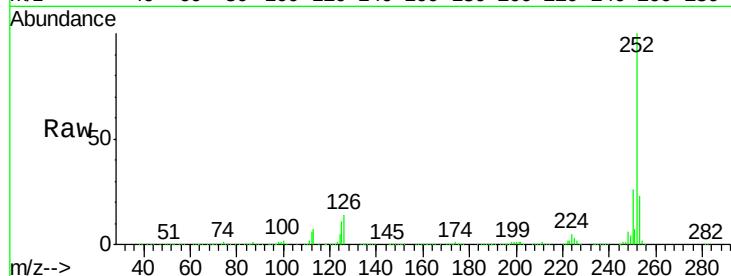




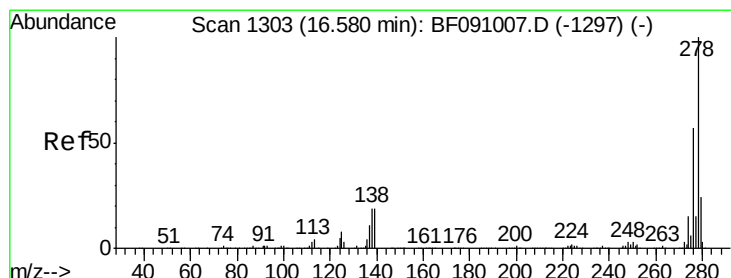
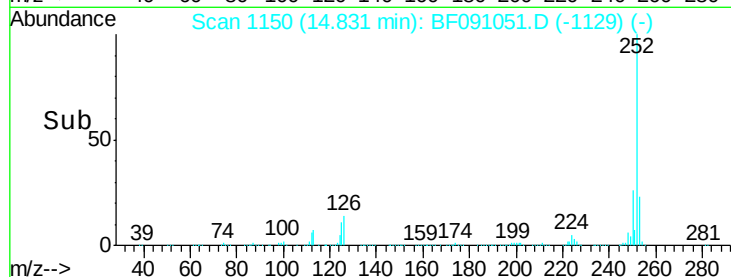
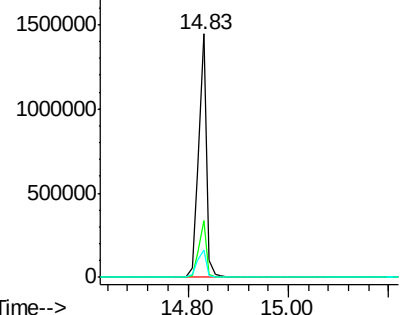
#88
Benzo(k)fluoranthene
Concen: 69.59 ng
RT: 14.83 min Scan# 1150
Delta R.T. -0.06 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1565493
Ion Ratio Lower Upper
252 100
253 23.2 18.6 28.0
125 11.2 11.2 16.8#

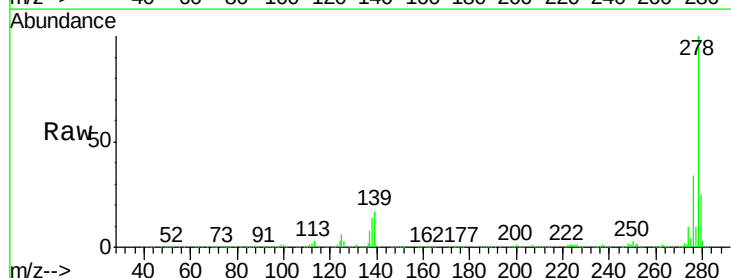


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

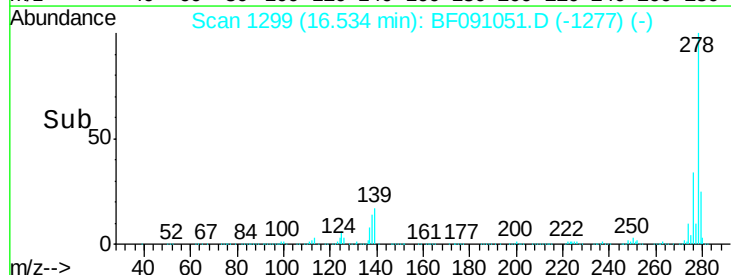
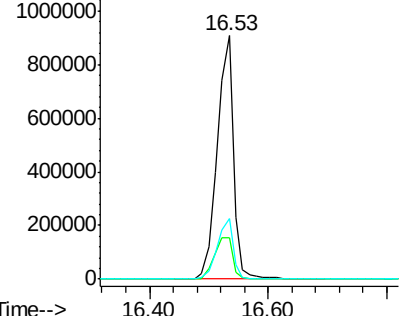


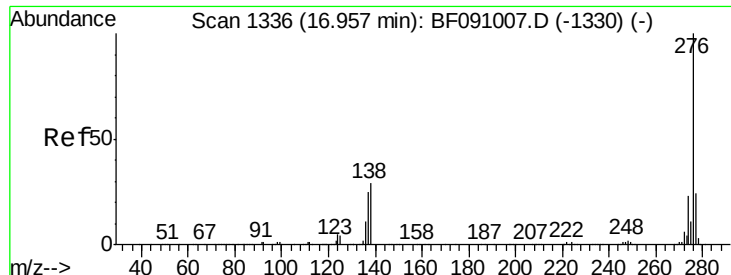
#90
Dibenzo(a,h)anthracene
Concen: 89.66 ng
RT: 16.53 min Scan# 1299
Delta R.T. -0.05 min
Lab File: BF091051.D
Acq: 7 Nov 2016 13:10

Tgt Ion:278 Resp: 1730408
Ion Ratio Lower Upper
278 100
139 17.1 15.3 22.9
279 24.7 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

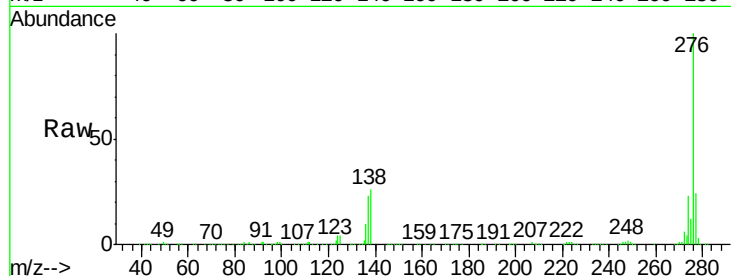




#91
 Benzo(a,h,i)perylene
 Concen: 43.57 ng
 RT: 16.90 min Scan# 1331
 Delta R.T. -0.06 min
 Lab File: BF091051.D
 Acq: 7 Nov 2016 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	26.2	23.3	34.9



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

