

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102816\
 Data File : BF090910.D
 Acq On : 28 Oct 2016 16:04
 Operator : UM/SJ
 Sample : H5422-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 28 17:28:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 28 15:18:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	152194	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	587997	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	266661	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	369771	20.00	ng	0.01
75) Chrysene-d12	13.95	240	330890	20.00	ng	0.02
86) Perylene-d12	15.37	264	448779	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1111757	127.72	ng	0.00
7) Phenol-d6	6.41	99	1517591	129.23	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1009163	112.35	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	283363	103.40	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1275793	84.01	ng	-0.01
78) Terphenyl-d14	12.89	244	1070018	81.47	ng	0.01

Target Compounds						Qvalue
10) Phenol	6.42	94	54535	4.21	ng	72
15) Benzyl Alcohol	6.92	79	17318	2.25	ng	# 26
18) Hexachloroethane	7.33	117	16843	4.01	ng	# 5
19) n-Nitroso-di-n-propylamine	7.33	70	137326	20.23	ng	# 51
20) 3+4-Methylphenols	7.18	107	22870	2.42	ng	# 79
31) Naphthalene	8.08	128	2148342	78.16	ng	95
33) 4-Chloroaniline	8.08	127	299581	26.98	ng	# 35
35) Caprolactam	8.76	113	14076	5.94	ng	# 1
37) 2-Methylnaphthalene	8.76	142	642078	36.17	ng	# 88
45) 1,1'-Biphenyl	9.23	154	244149	12.71	ng	95
48) Acenaphthylene	9.66	152	50312	2.27	ng	# 72
49) Dimethylphthalate	9.53	163	307623	17.27	ng	# 97
51) Acenaphthene	9.85	154	1274664	83.66	ng	87
52) 3-Nitroaniline	9.76	138	8623	2.06	ng	# 30
54) Dibenzofuran	10.02	168	1566697	79.68	ng	94
55) 4-Nitrophenol	10.01	139	625915	245.02	ng	# 30
56) 2,4-Dinitrotoluene	9.96	165	17824	3.65	ng	# 64
57) Fluorene	10.36	166	1334708	82.87	ng	92
58) 2,3,4,6-Tetrachlorophenol	10.13	232	11947	2.75	ng	# 44
61) 4-Nitroaniline	10.36	138	15599	3.76	ng	83
65) n-Nitrosodiphenylamine	10.44	169	89000	7.86	ng	# 1
70) Phenanthrene	11.33	178	6727945	357.29	ng	# 91
71) Anthracene	11.38	178	2203633	111.14	ng	93
72) Carbazole	11.53	167	1204543	68.79	ng	# 93
74) Fluoranthene	12.53	202	5807240	281.61	ng	90
77) Pyrene	12.76	202	5007381	239.13	ng	# 90
80) Benzo(a)anthracene	13.94	228	3598473	204.92	ng	# 89
82) Chrysene	13.99	228	2421668	136.34	ng	# 87
83) Bis(2-ethylhexyl)phthalate	13.93	149	52231	4.22	ng	95
85) Indeno(1,2,3-cd)pyrene	16.74	276	1546606	98.26	ng	# 89
87) Benzo(b)fluoranthene	14.98	252	4930730	163.39	ng	# 87
88) Benzo(k)fluoranthene	14.98	252	4930730	206.76	ng	# 87
89) Benzo(a)pyrene	15.32	252	2623899	101.20	ng	# 84
90) Dibenzo(a,h)anthracene	16.75	278	531577	24.22	ng	# 81

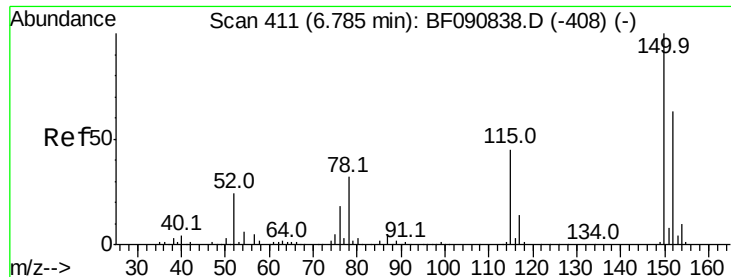
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102816\
Data File : BF090910.D
Acq On : 28 Oct 2016 16:04
Operator : UM/SJ
Sample : H5422-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 28 17:28:23 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 28 15:18:12 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	17.15	276	1240060	59.98	nq	# 81

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

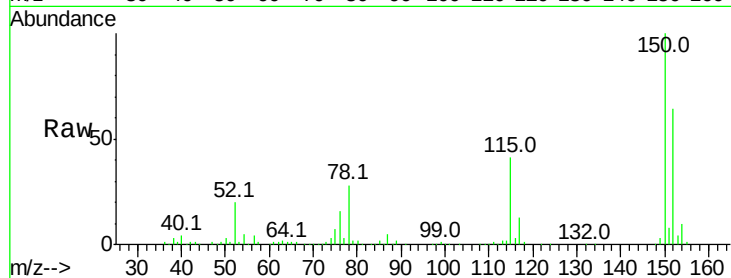


#1

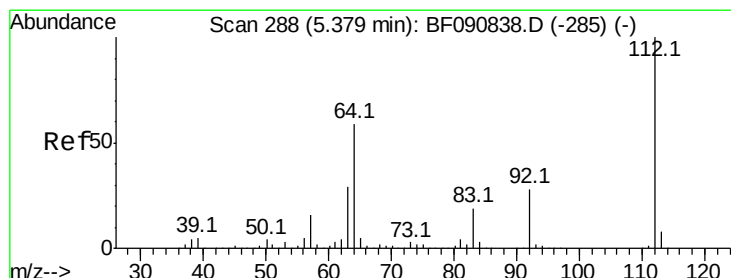
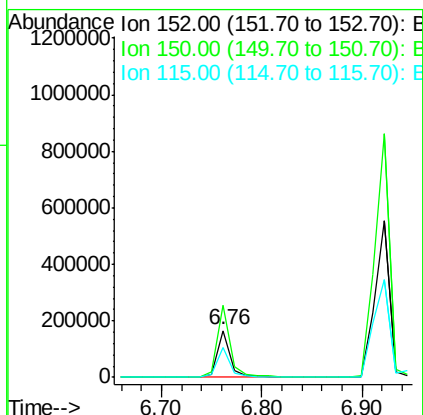
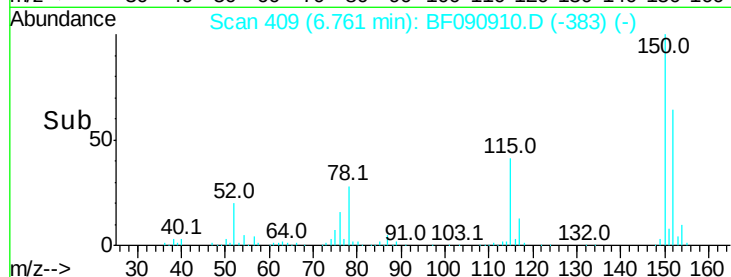
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. 0.00 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 152194
Ion Ratio Lower Upper
152 100
150 155.8 124.7 187.1
115 63.4 39.0 58.4#



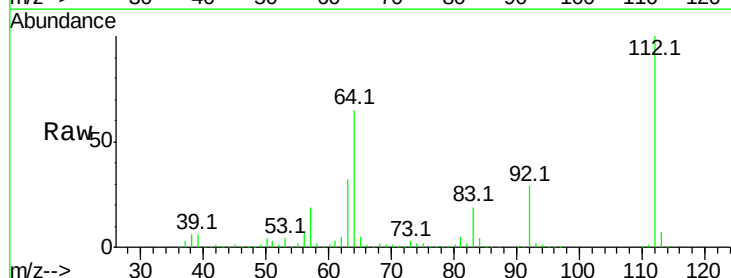
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



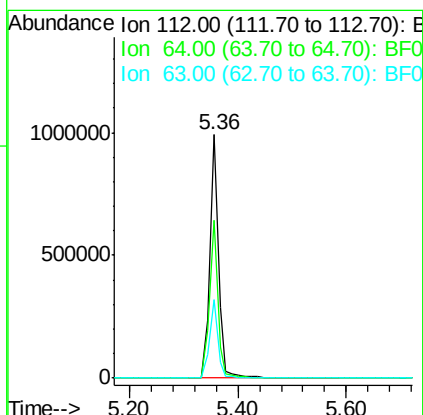
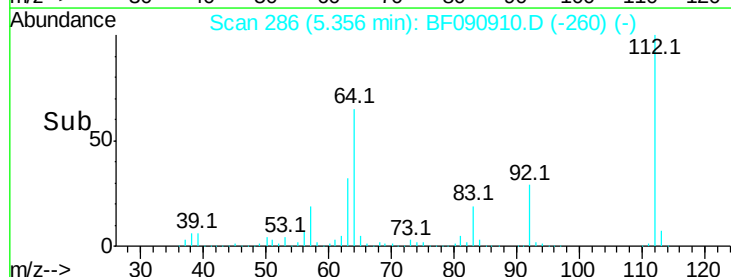
#5

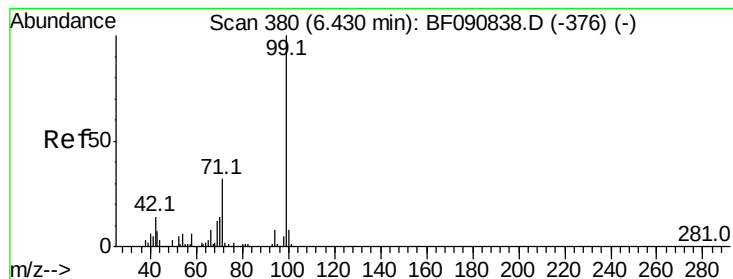
2-Fluorophenol
Concen: 127.72 ng
RT: 5.36 min Scan# 286
Delta R.T. 0.00 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Tgt Ion:112 Resp: 1111757
Ion Ratio Lower Upper
112 100
64 64.9 39.7 59.5#
63 32.5 17.4 26.0#



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





#7

Phenol-d6

Concen: 129.23 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

Instrument :

BNA_F

ClientSampleId :

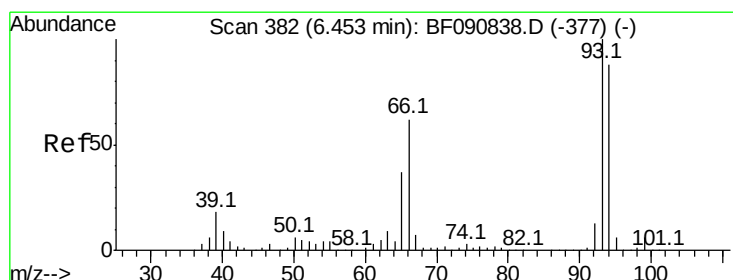
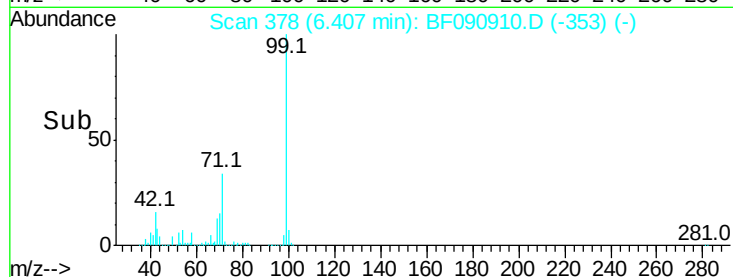
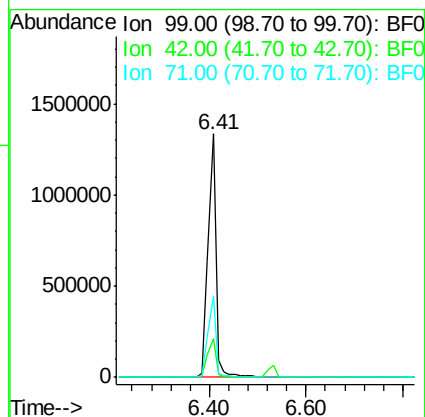
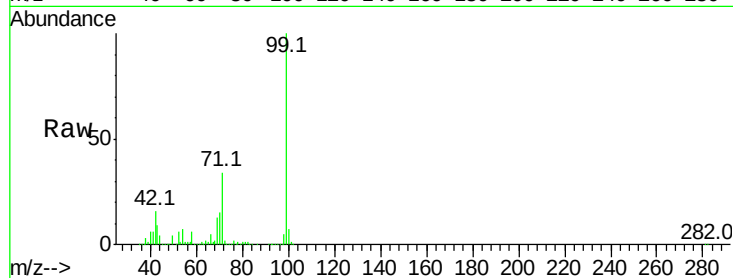
Tot Ion: 99 Resp: 1517591

Ion Ratio Lower Upper

99 100

42 16.0 13.7 20.5

71 33.5 14.2 21.2#



#10

Phenol

Concen: 4.21 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

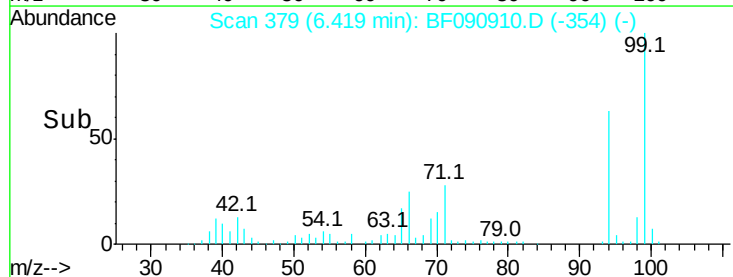
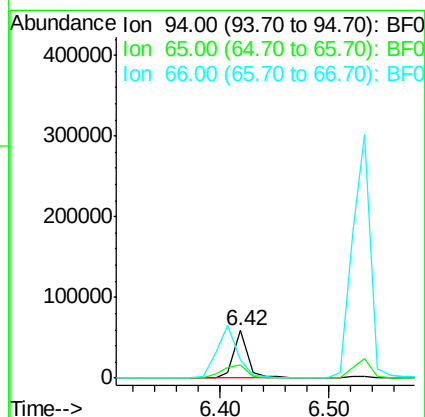
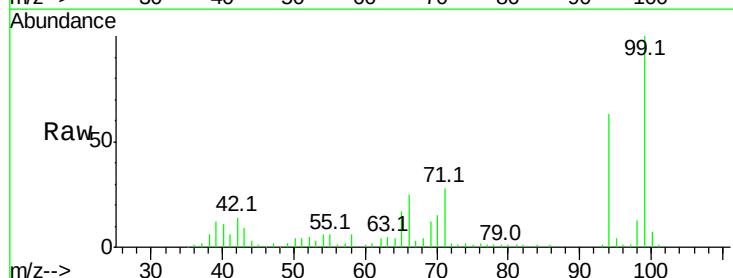
Tgt Ion: 94 Resp: 54535

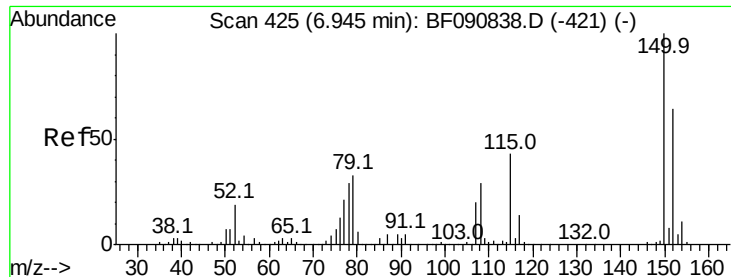
Ion Ratio Lower Upper

94 100

65 27.4 0.7 40.7

66 39.9 0.8 40.8

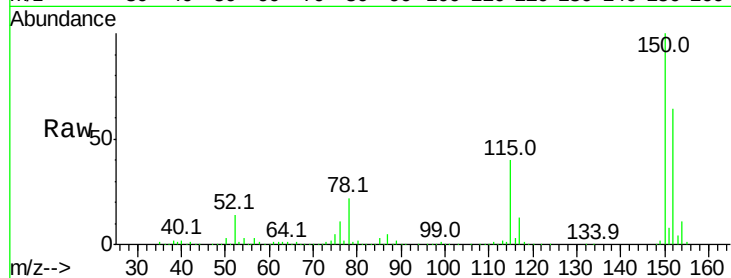




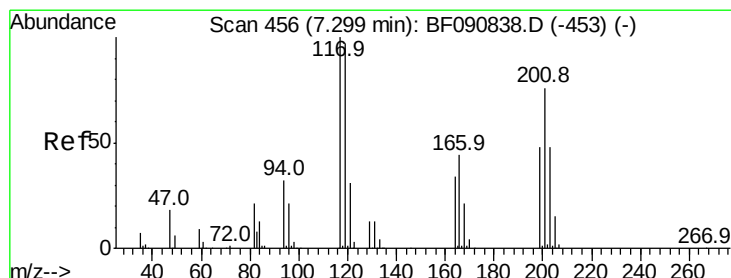
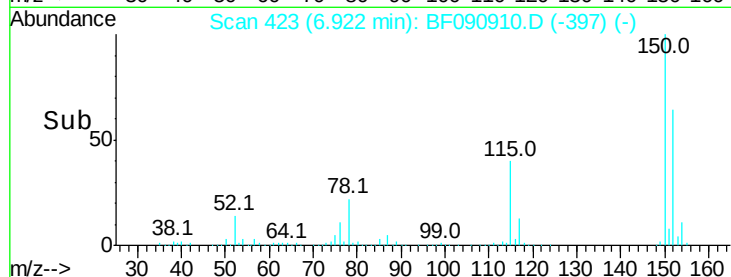
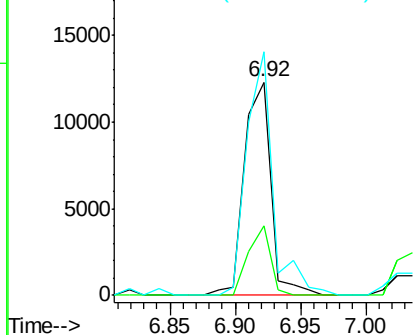
#15
Benzyl Alcohol
Concen: 2.25 ng
RT: 6.92 min Scan# 423
Delta R.T. 0.00 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 17318
Ion Ratio Lower Upper
79 100
108 32.3 88.6 132.8#
77 114.2 47.0 70.4#

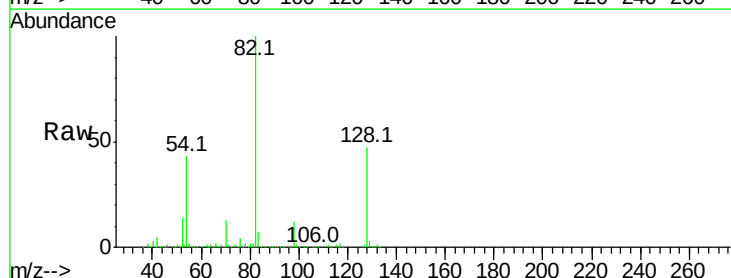


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0

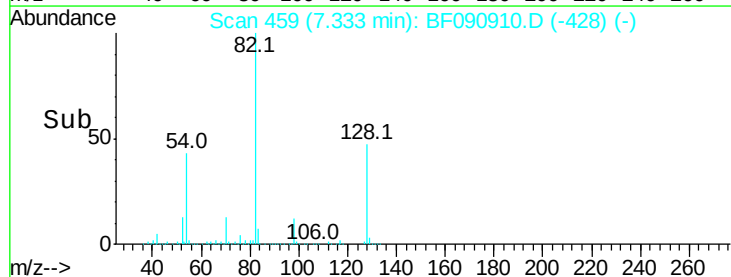
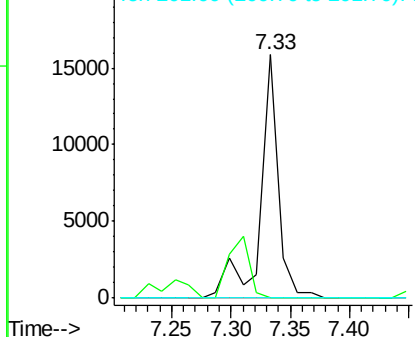


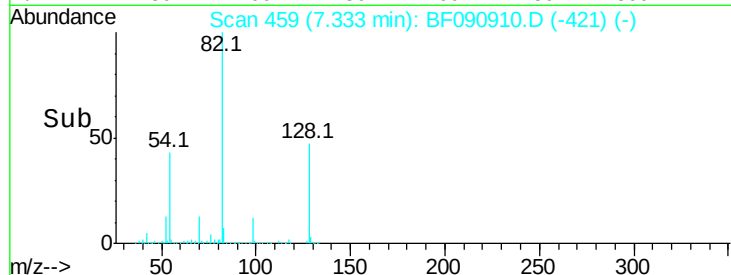
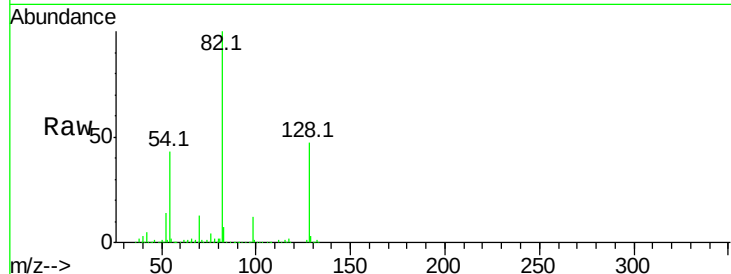
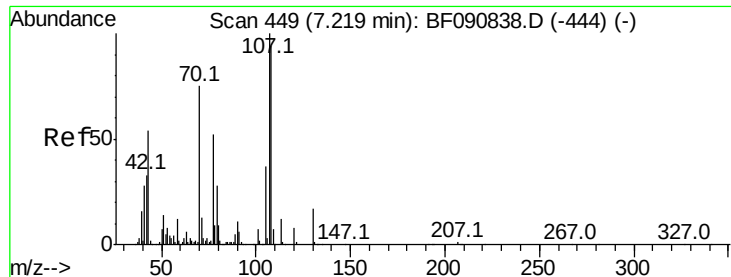
#18
Hexachloroethane
Concen: 4.01 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.06 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Tgt Ion: 117 Resp: 16843
Ion Ratio Lower Upper
117 100
119 0.0 83.8 125.6#
201 0.0 55.1 82.7#



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

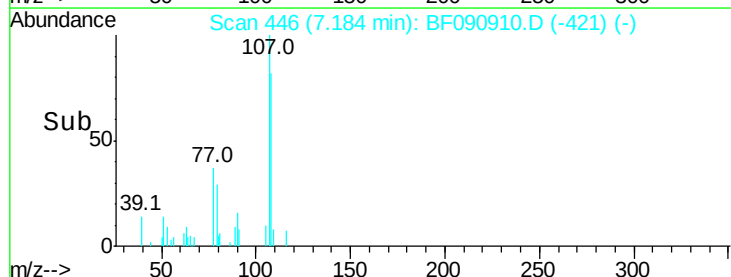
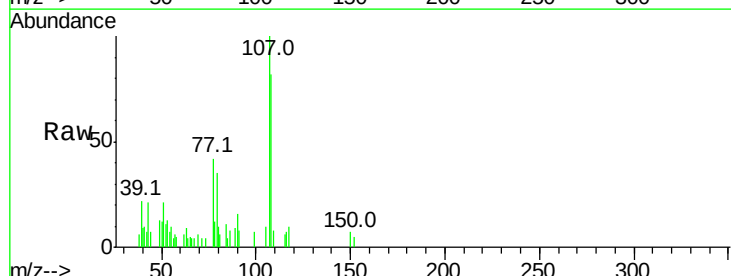
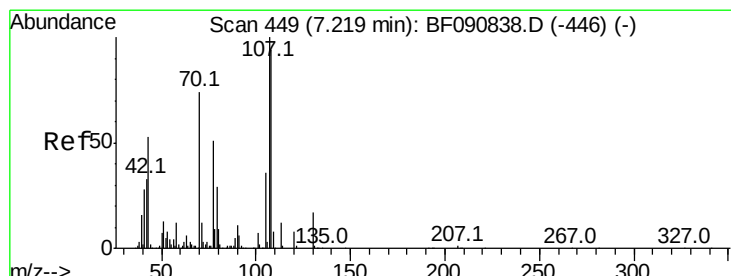
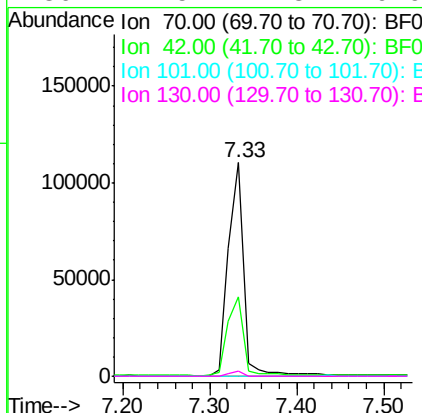




#19
n-Nitroso-di-n-propylamine
Concen: 20.23 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.14 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

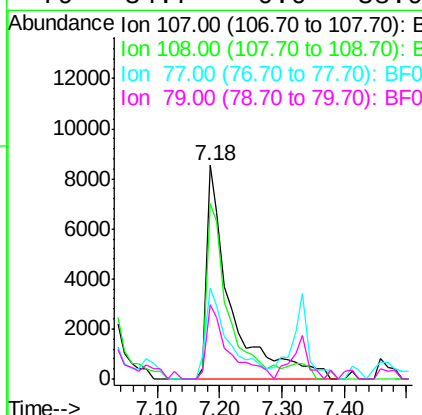
Instrument :
BNA_F
ClientSampleId :

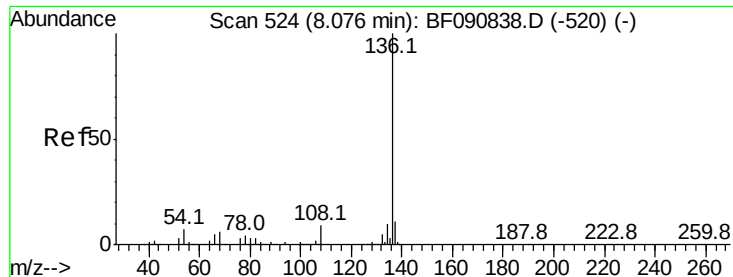
Tot Ion:	70	Resp:	137326
Ion	Ratio	Lower	Upper
70	100		
42	36.9	63.8	95.6#
101	0.0	9.2	13.8#
130	2.5	27.3	40.9#



#20
3+4-Methylphenols
Concen: 2.42 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Tgt Ion:	107	Resp:	22870
Ion	Ratio	Lower	Upper
107	100		
108	81.8	74.6	114.6
77	42.3	0.7	40.7#
79	34.7	0.0	38.9

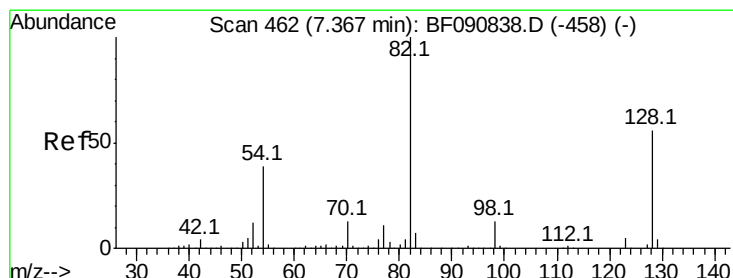
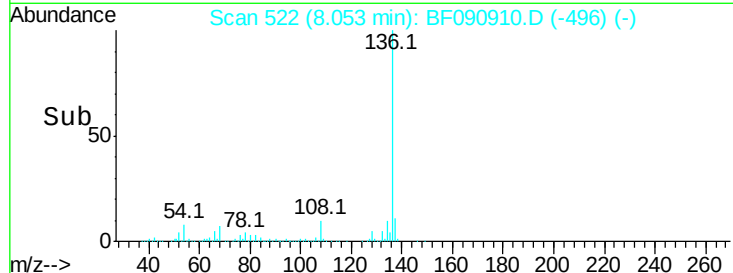
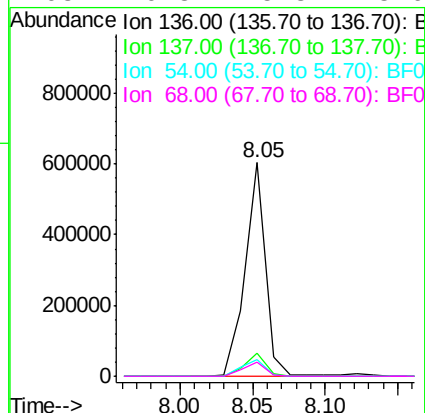
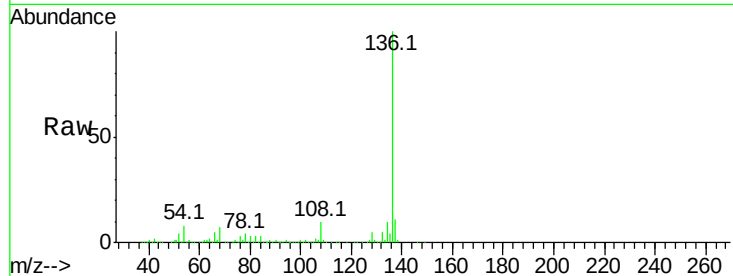




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. 0.00 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

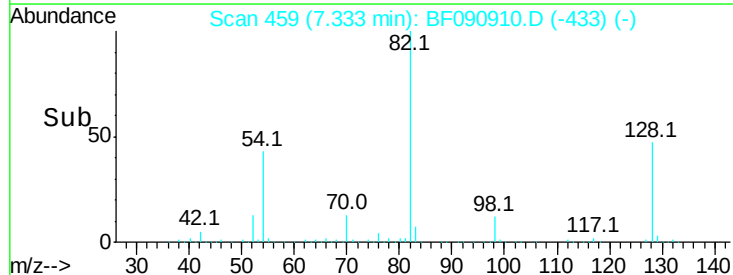
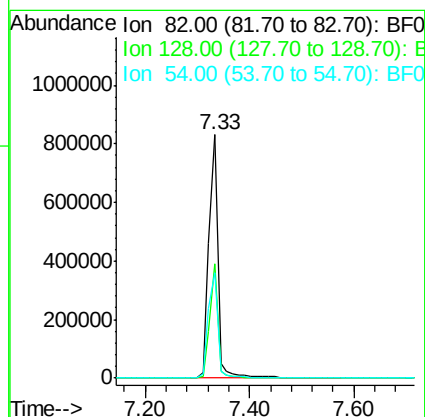
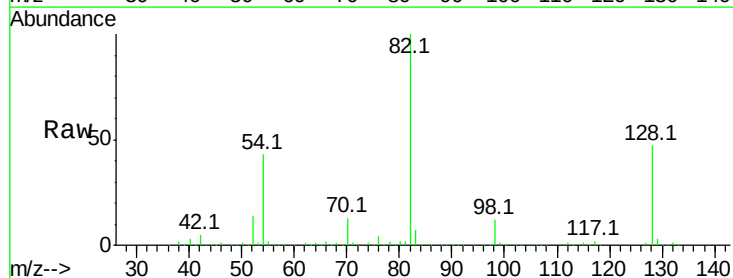
Instrument :
BNA_F
ClientSampleId :

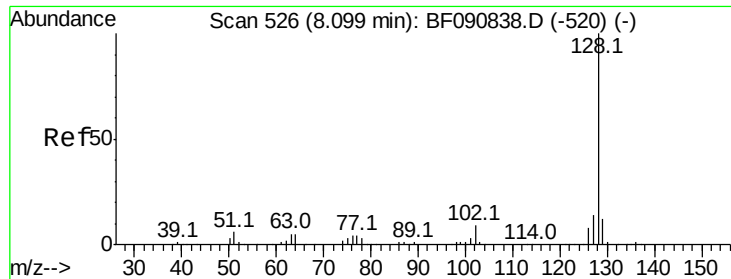
Tot Ion:	136	Resp:	587997
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	7.6	8.2	12.2#
68	6.8	5.8	8.6



#23
Nitrobenzene-d5
Concen: 112.35 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.00 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Tgt Ion:	82	Resp:	1009163
Ion	Ratio	Lower	Upper
82	100		
128	46.9	51.0	76.6#
54	43.5	47.5	71.3#

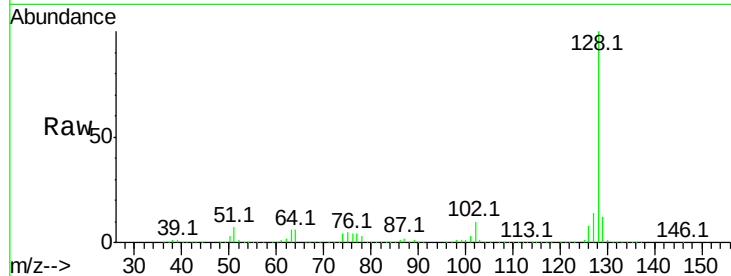




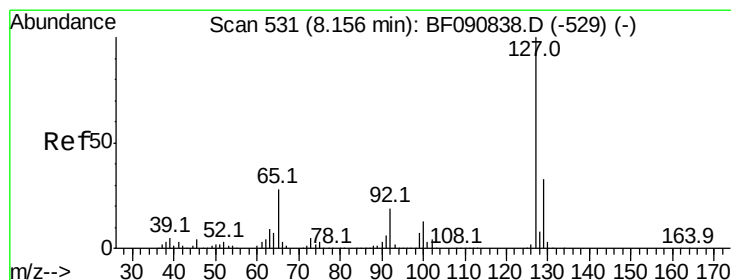
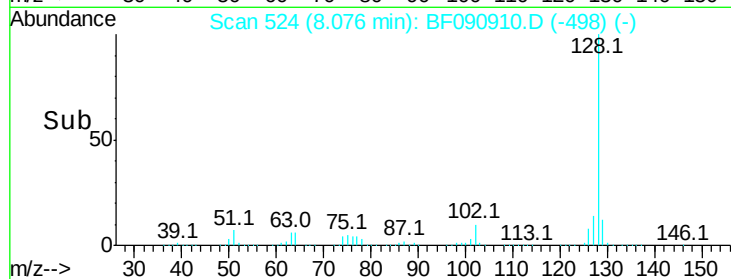
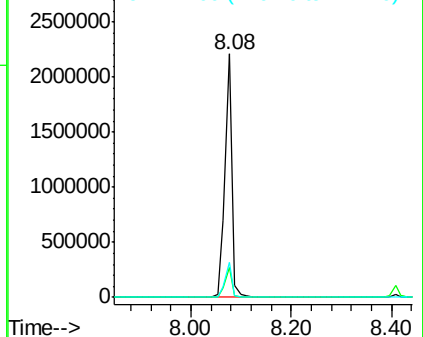
#31
Naphthalene
Concen: 78.16 ng
RT: 8.08 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 2148342
Ion Ratio Lower Upper
128 100
129 12.0 8.4 12.6
127 14.4 9.9 14.9

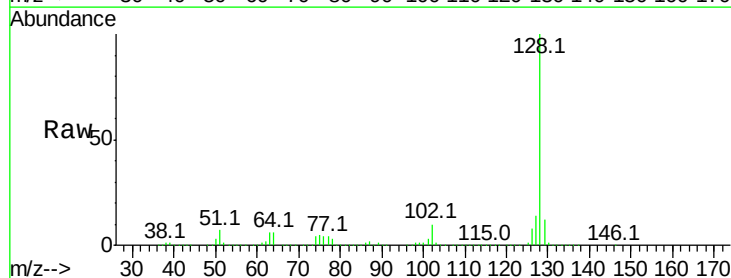


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

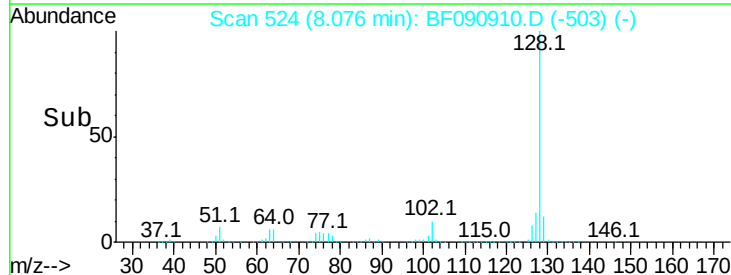
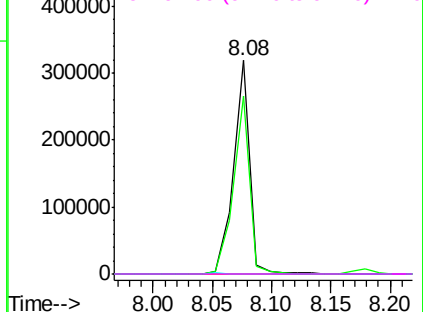


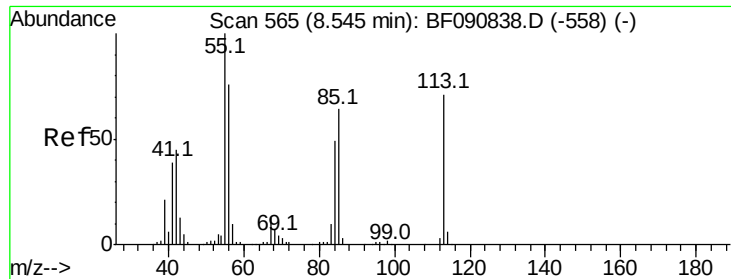
#33
4-Chloroaniline
Concen: 26.98 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.06 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Tgt Ion:127 Resp: 299581
Ion Ratio Lower Upper
127 100
129 83.4 25.8 38.6#
65 0.0 17.9 26.9#
92 0.0 10.5 15.7#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

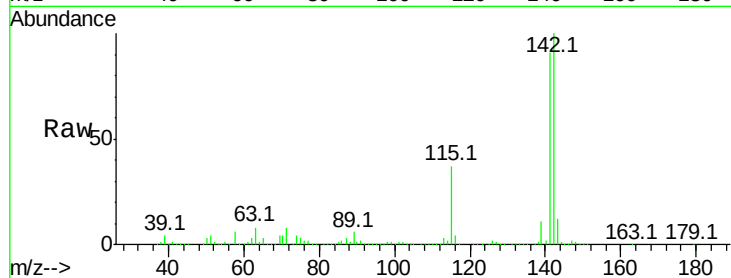




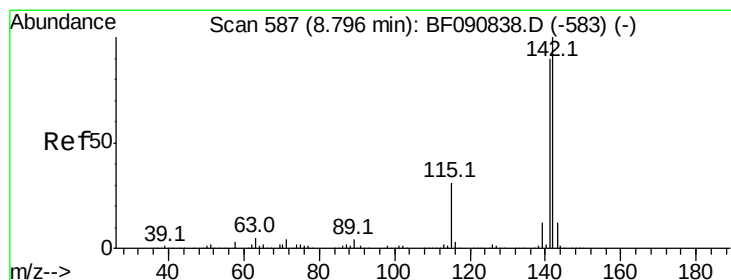
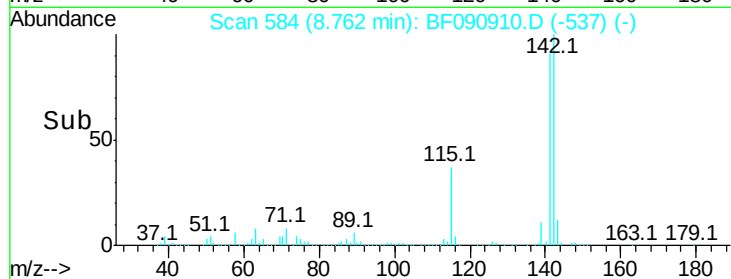
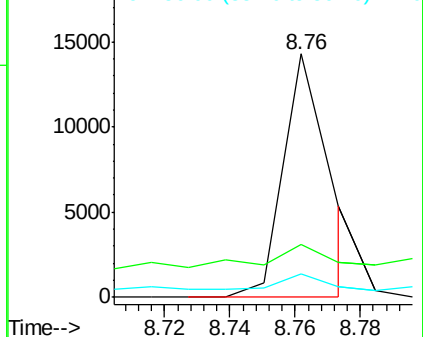
#35
Caprolactam
Concen: 5.94 ng
RT: 8.76 min Scan# 584
Delta R.T. 0.24 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 14076
Ion Ratio Lower Upper
113 100
55 21.8 152.4 192.4#
56 9.7 104.6 144.6#

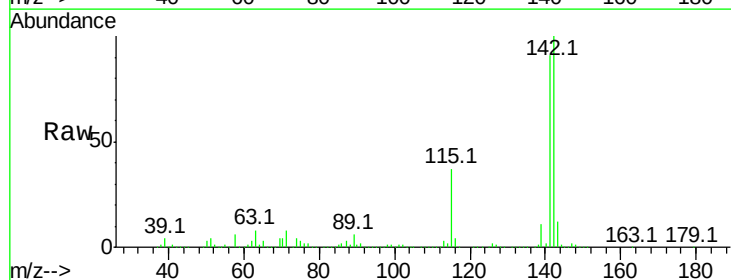


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

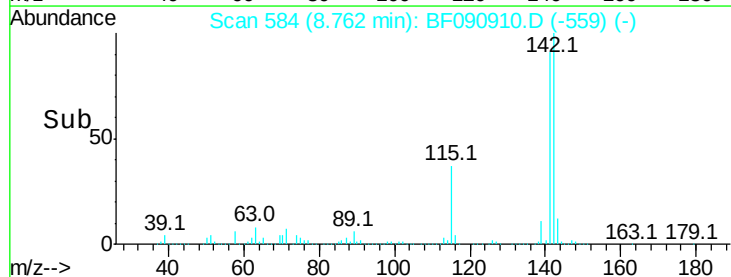
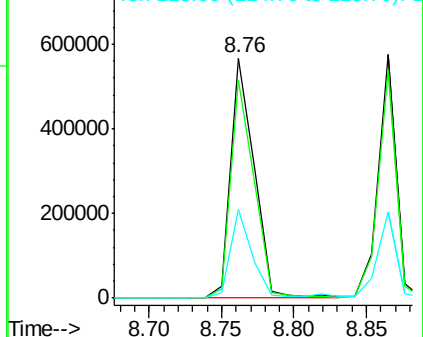


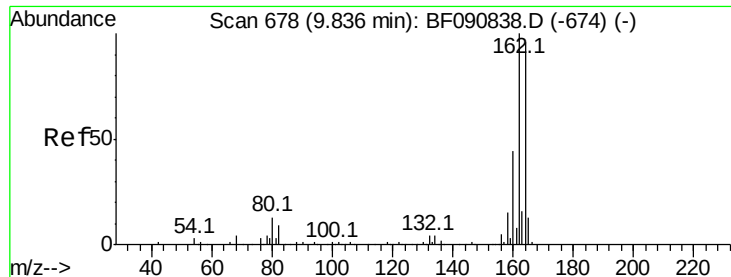
#37
2-Methylnaphthalene
Concen: 36.17 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Tgt Ion:142 Resp: 642078
Ion Ratio Lower Upper
142 100
141 90.8 67.5 101.3
115 37.1 18.2 27.2#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

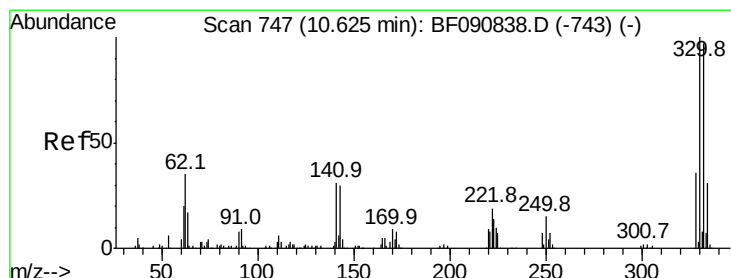
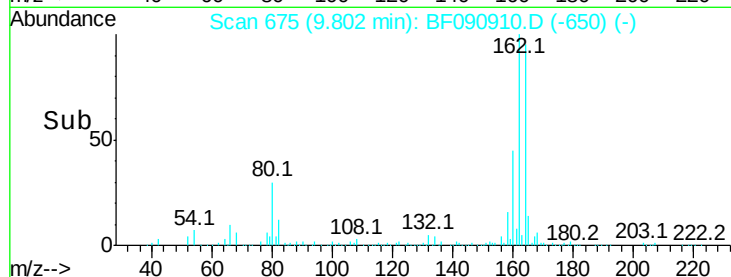
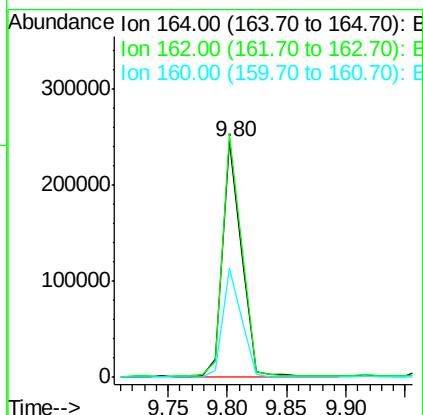
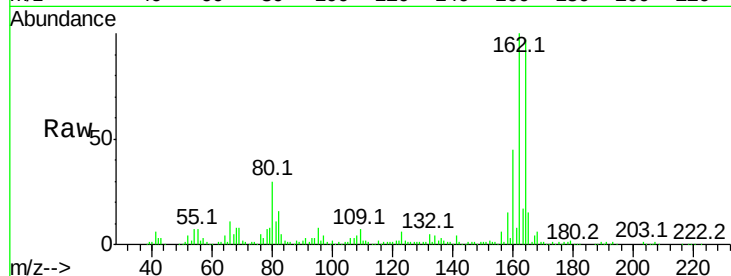




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

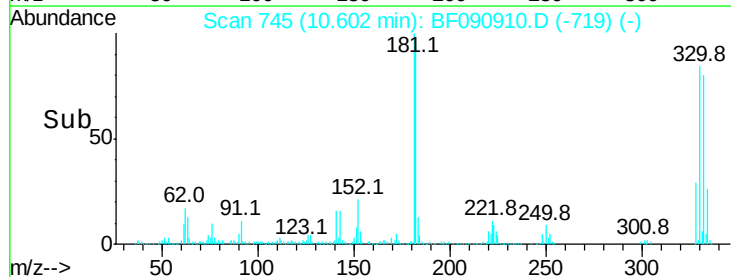
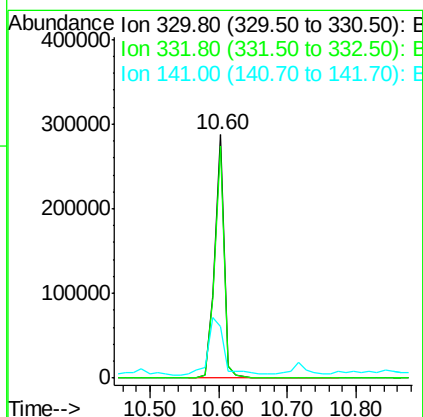
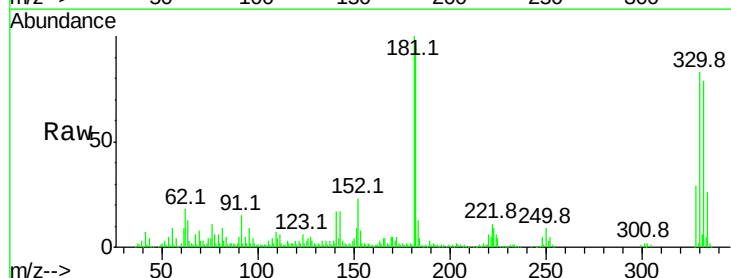
Instrument :
BNA_F
ClientSampleId :

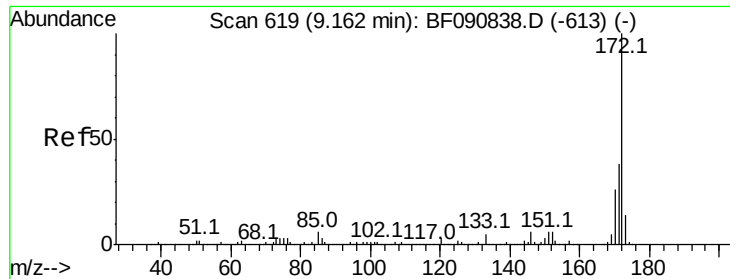
Tot Ion:164 Resp: 266661
Ion Ratio Lower Upper
164 100
162 103.5 75.2 112.8
160 46.4 31.5 47.3



#41
2,4,6-Tribromophenol
Concen: 103.40 ng
RT: 10.60 min Scan# 745
Delta R.T. 0.00 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Tgt Ion:330 Resp: 283363
Ion Ratio Lower Upper
330 100
332 95.5 76.6 114.8
141 36.4 29.7 44.5

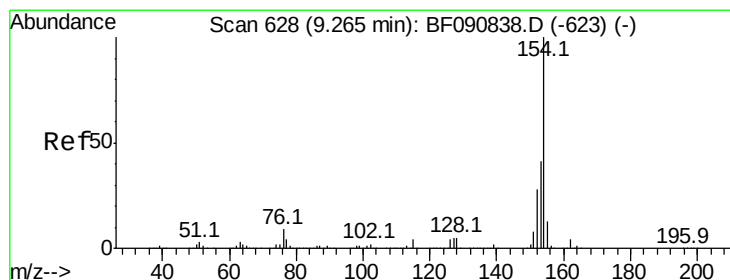
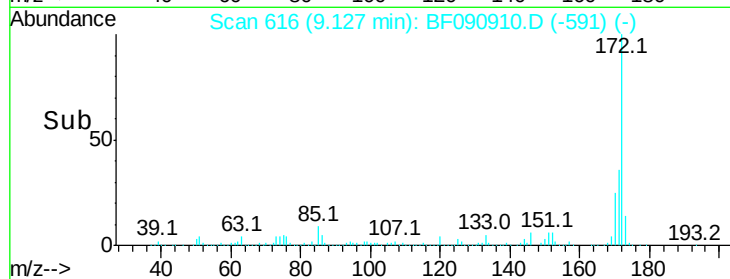
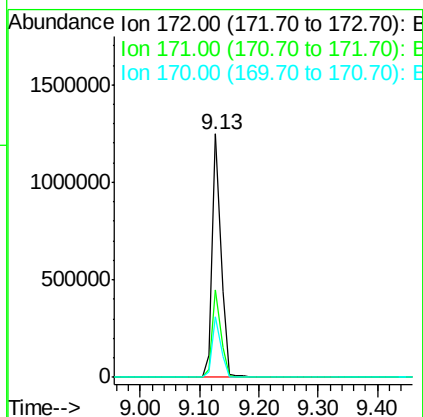
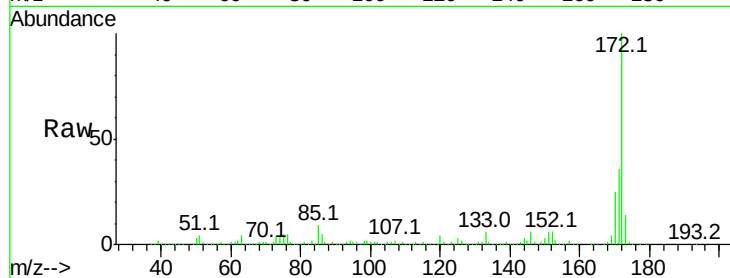




#44
2-Fluorobiphenyl
Concen: 84.01 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

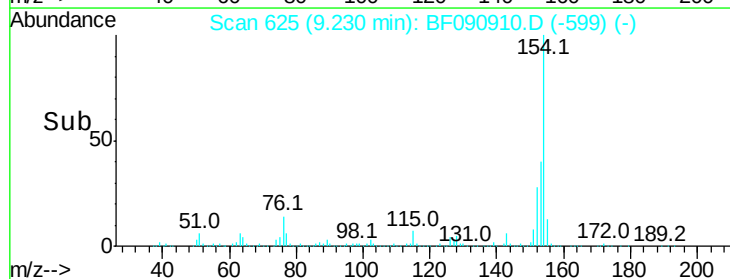
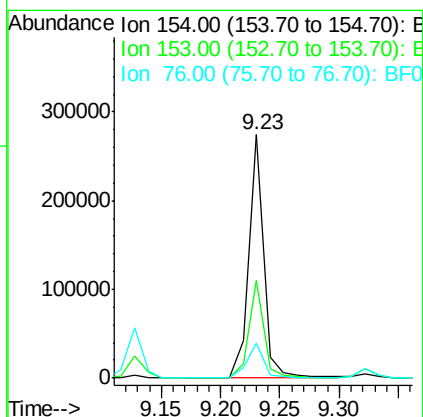
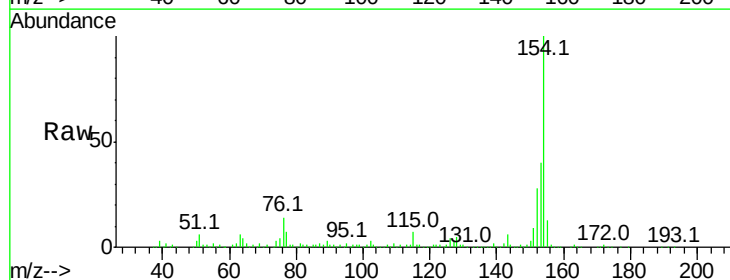
Instrument :
BNA_F
ClientSampleId :

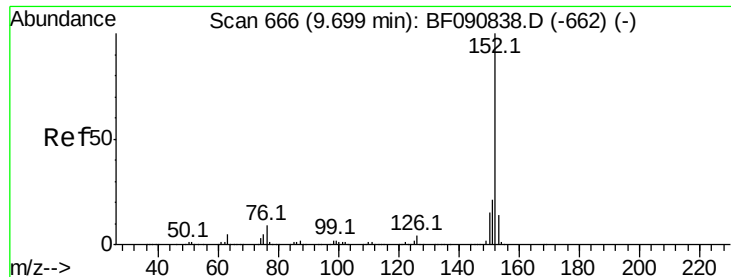
Tot Ion:172 Resp: 1275793
Ion Ratio Lower Upper
172 100
171 36.2 26.1 39.1
170 24.8 17.4 26.2



#45
1,1'-Biphenyl
Concen: 12.71 ng
RT: 9.23 min Scan# 625
Delta R.T. 0.00 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Tgt Ion:154 Resp: 244149
Ion Ratio Lower Upper
154 100
153 40.0 17.1 57.1
76 14.3 0.0 31.6





#48

Acenaphthylene

Concen: 2.27 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

Instrument :

BNA_F

ClientSampleId :

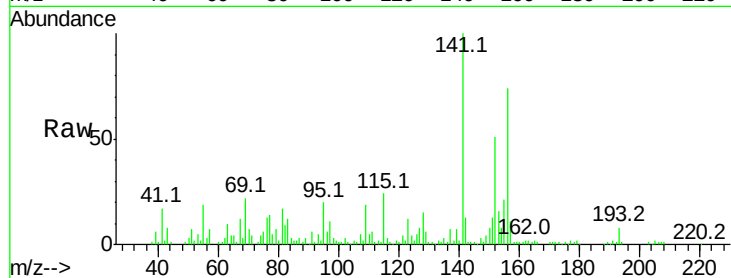
Tot Ion:152 Resp: 50312

Ion Ratio Lower Upper

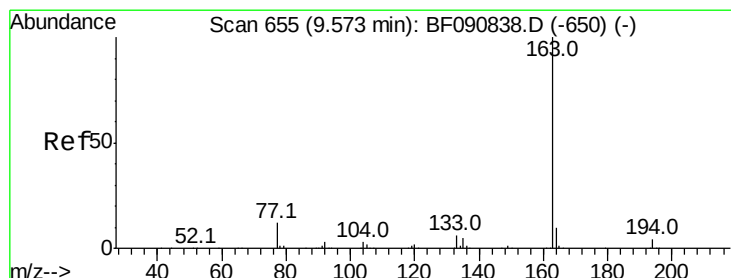
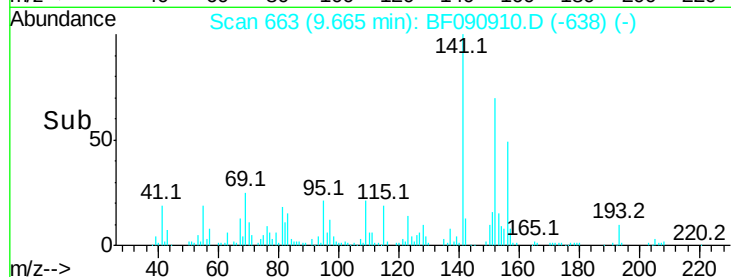
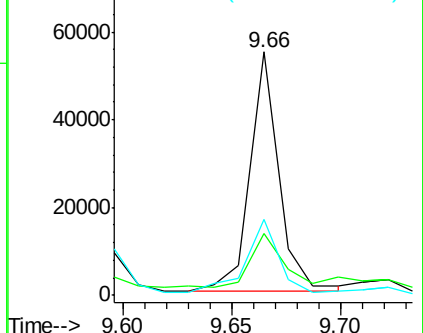
152 100

151 25.2 14.6 22.0#

153 31.3 10.3 15.5#



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



#49

Dimethylphthalate

Concen: 17.27 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.01 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

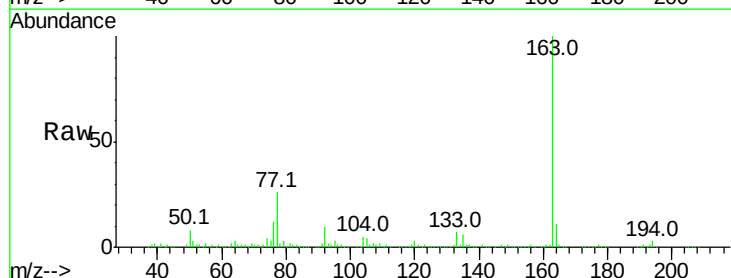
Tgt Ion:163 Resp: 307623

Ion Ratio Lower Upper

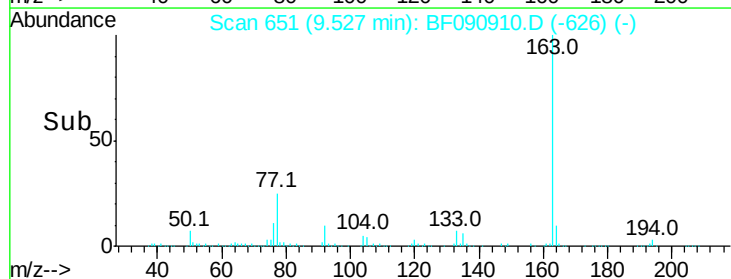
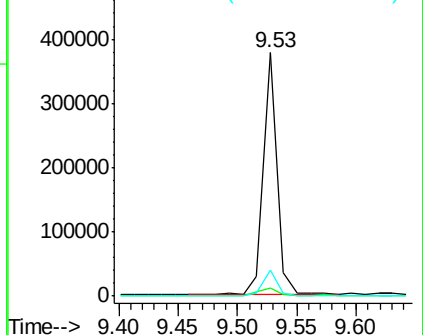
163 100

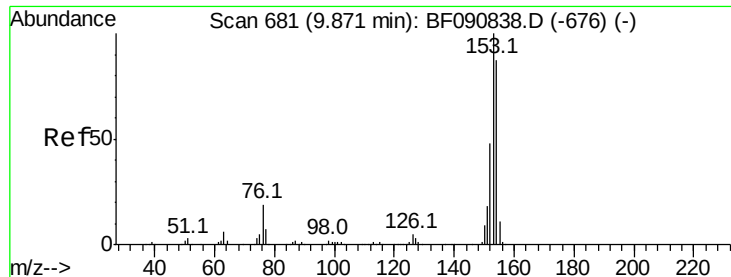
194 3.1 4.4 6.6#

164 10.5 8.3 12.5



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





#51

Acenaphthene

Concen: 83.66 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

Instrument :

BNA_F

ClientSampled :

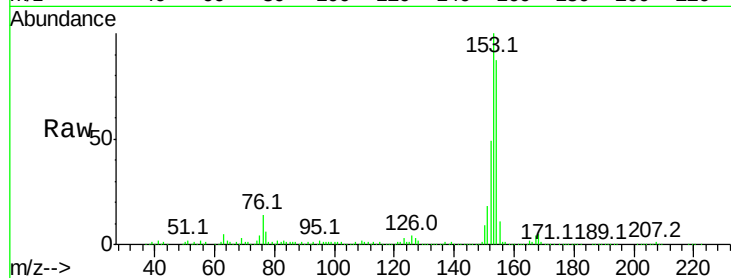
Tot Ion:154 Resp: 1274664

Ion Ratio Lower Upper

154 100

153 115.0 82.1 123.1

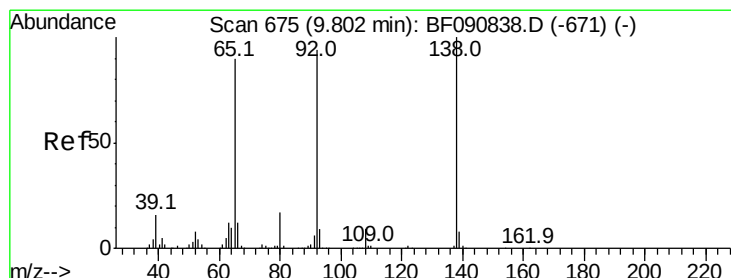
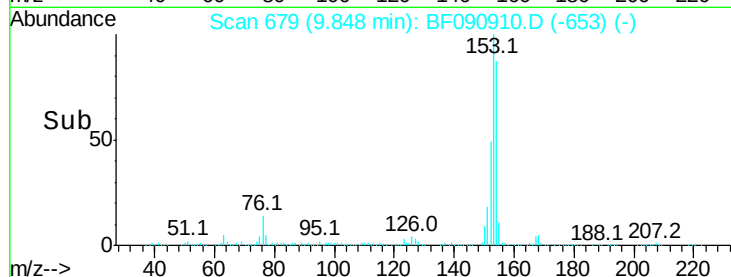
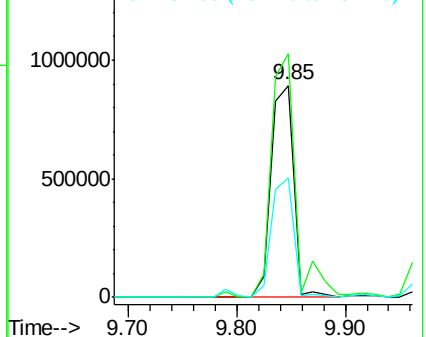
152 56.6 37.9 56.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 2.06 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

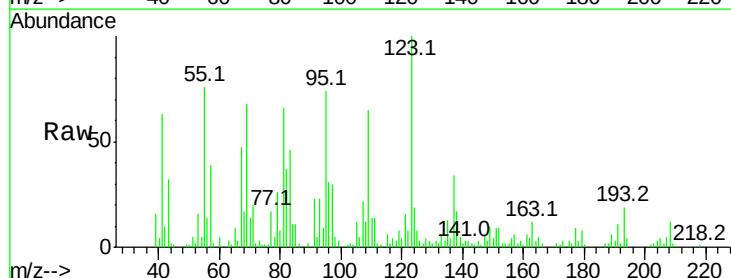
Tgt Ion:138 Resp: 8623

Ion Ratio Lower Upper

138 100

108 70.0 5.7 8.5#

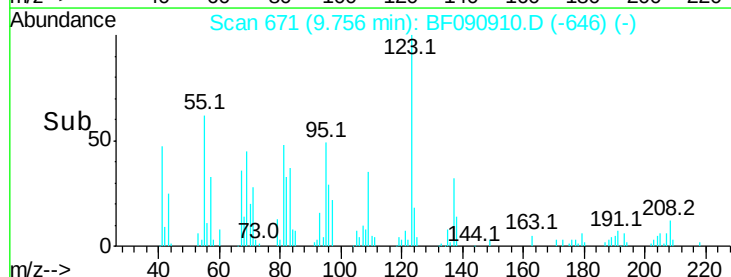
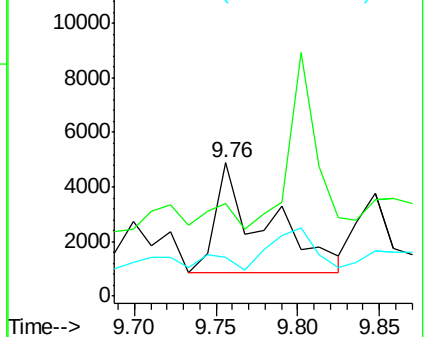
92 29.1 67.7 101.5#

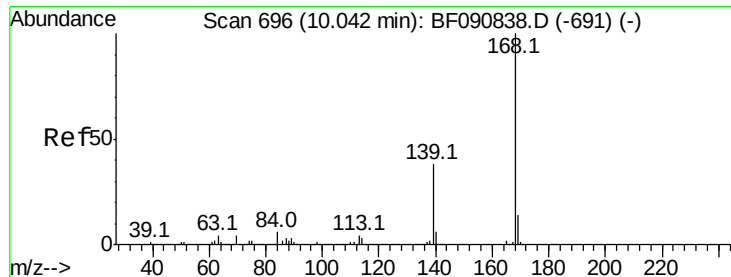


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

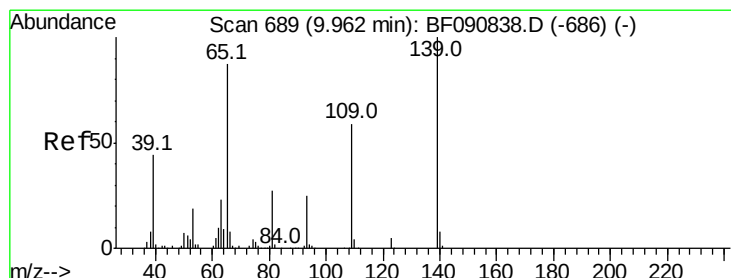
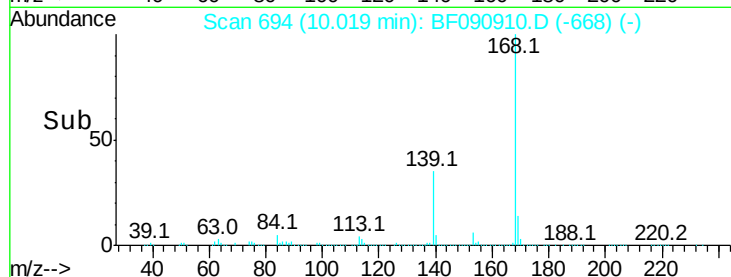
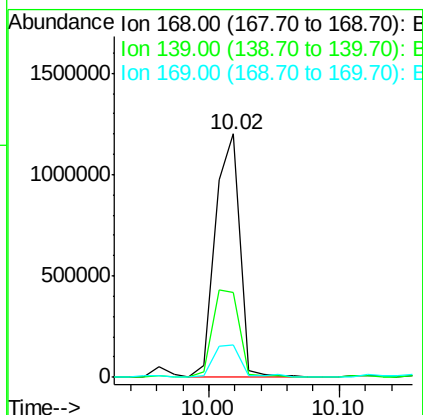
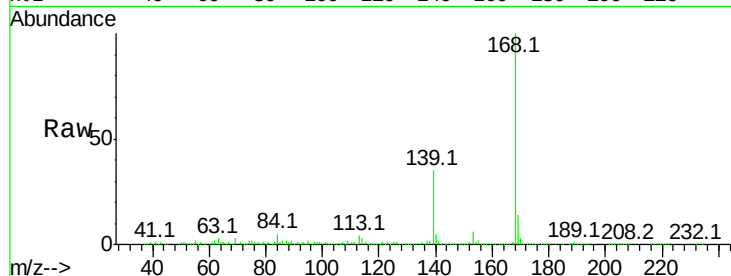




#54
Dibenzofuran
Concen: 79.68 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

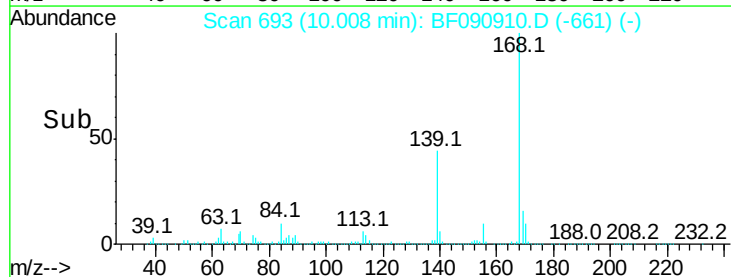
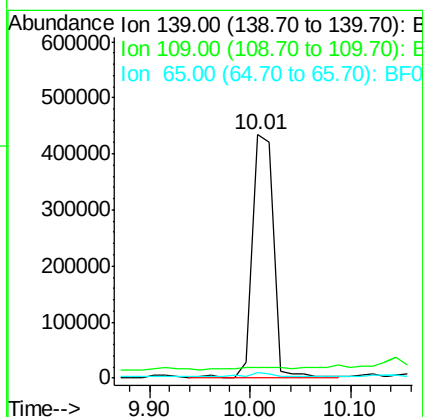
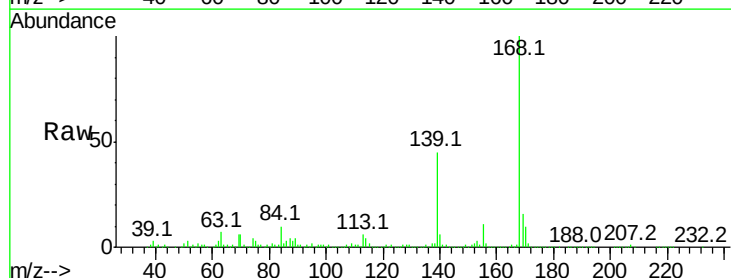
Instrument :
BNA_F
ClientSampleId :

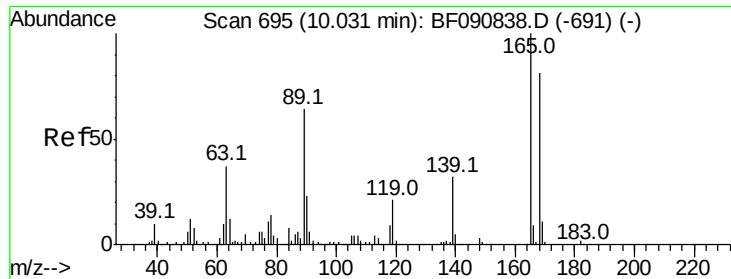
Tot Ion:168 Resp: 1566697
Ion Ratio Lower Upper
168 100
139 35.1 24.2 36.2
169 13.5 10.6 15.8



#55
4-Nitrophenol
Concen: 245.02 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.07 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Tgt Ion:139 Resp: 625915
Ion Ratio Lower Upper
139 100
109 4.2 12.7 52.7#
65 2.4 45.9 85.9#

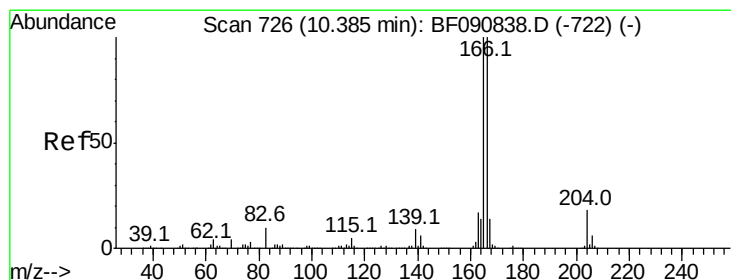
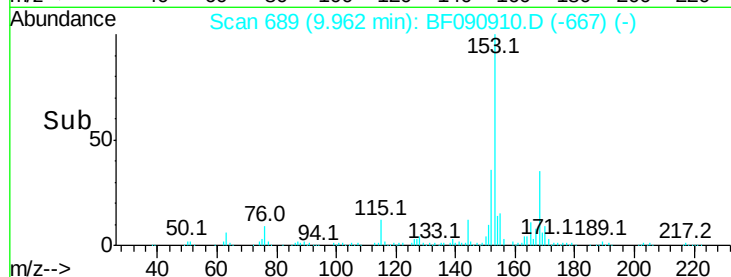
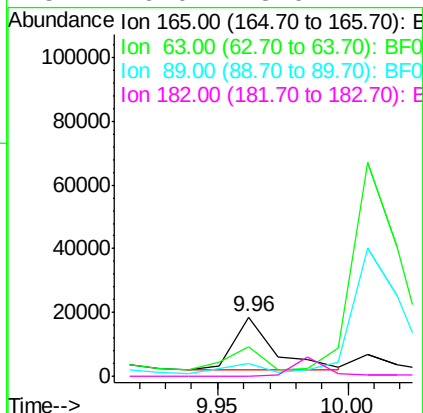
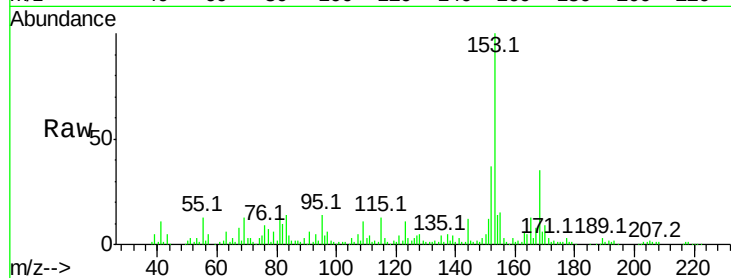




#56
2,4-Dinitrotoluene
Concen: 3.65 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.05 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

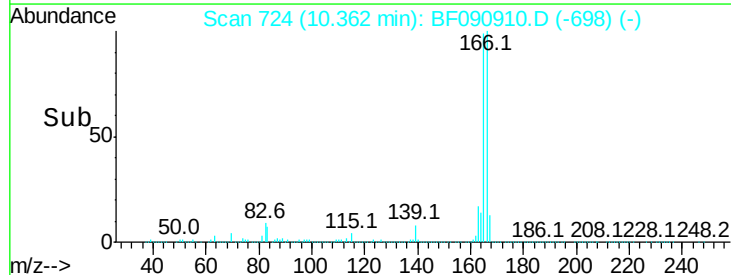
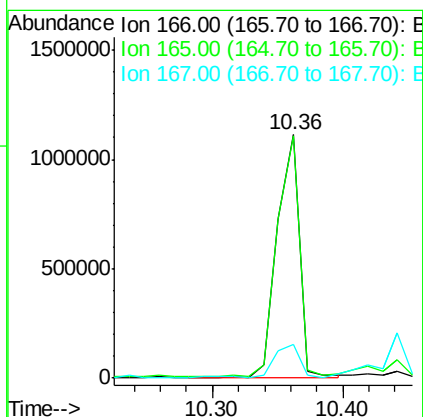
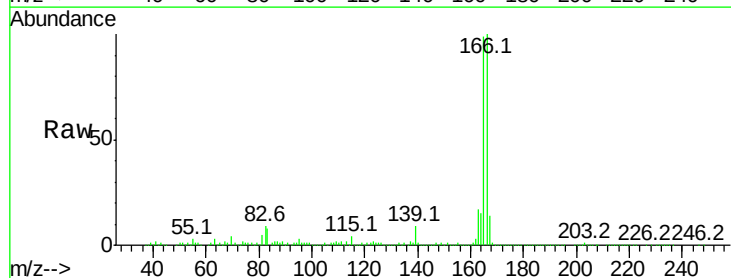
Instrument :
BNA_F
ClientSampleId :

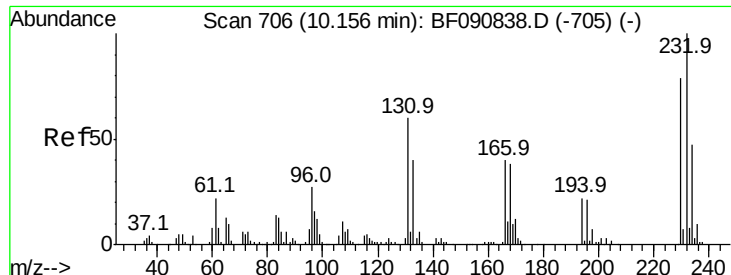
Tot Ion	Ratio	Lower	Upper
165	100		
63	49.7	29.8	44.6#
89	21.1	44.5	66.7#
182	0.0	3.0	4.4#



#57
Fluorene
Concen: 82.87 ng
RT: 10.36 min Scan# 724
Delta R.T. 0.00 min
Lab File: BF090910.D
Acq: 28 Oct 2016 16:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	72.6	109.0
167	14.0	10.6	16.0

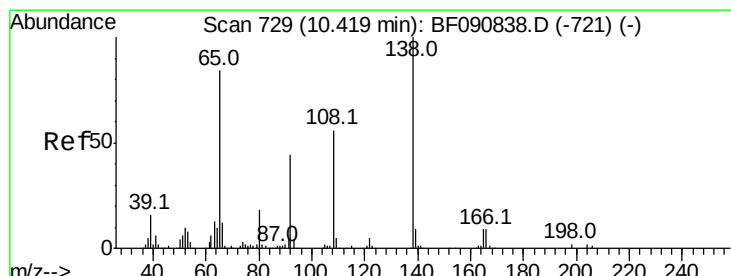
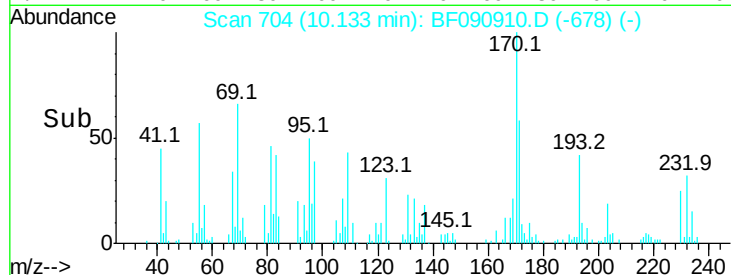
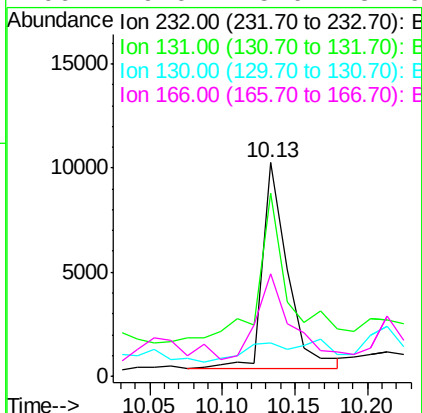
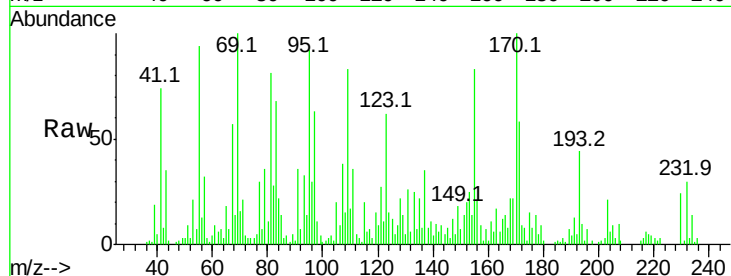




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.75 ng
 RT: 10.13 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: BF090910.D
 Acq: 28 Oct 2016 16:04

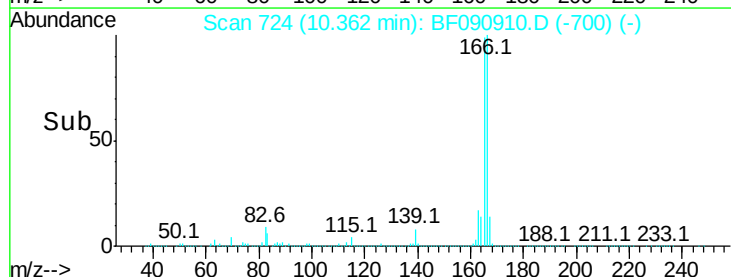
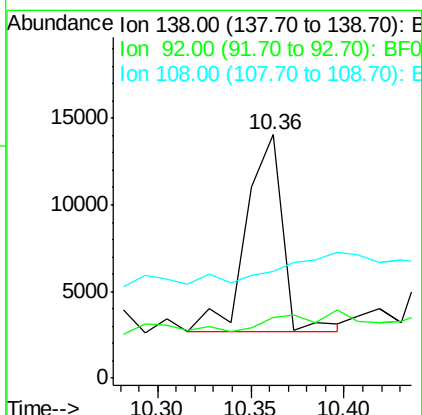
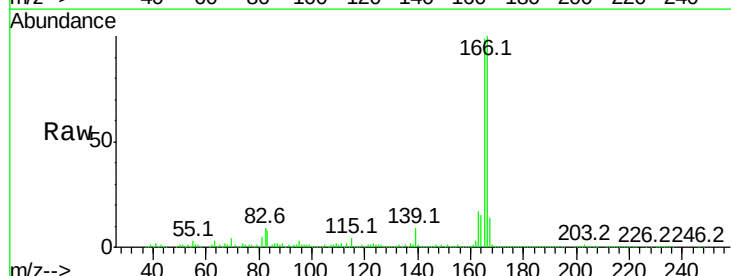
Instrument :
 BNA_F
 ClientSampleId :

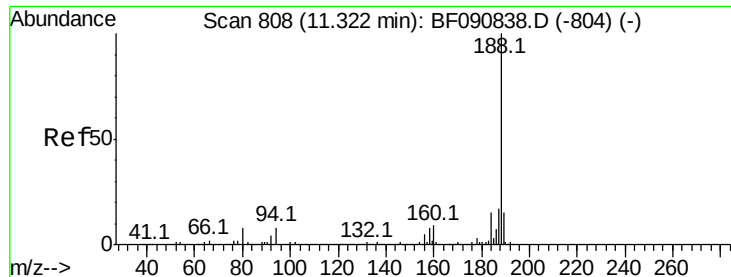
Tot Ion:232 Resp: 11947
 Ion Ratio Lower Upper
 232 100
 131 86.1 38.5 57.7#
 130 17.0 1.8 2.6#
 166 0.0 25.0 37.6#



#61
 4-Nitroaniline
 Concen: 3.76 ng
 RT: 10.36 min Scan# 724
 Delta R.T. -0.02 min
 Lab File: BF090910.D
 Acq: 28 Oct 2016 16:04

Tgt Ion:138 Resp: 15599
 Ion Ratio Lower Upper
 138 100
 92 24.7 12.6 52.6
 108 44.0 12.4 52.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 806

Delta R.T. 0.01 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

Instrument :

BNA_F

ClientSampleId :

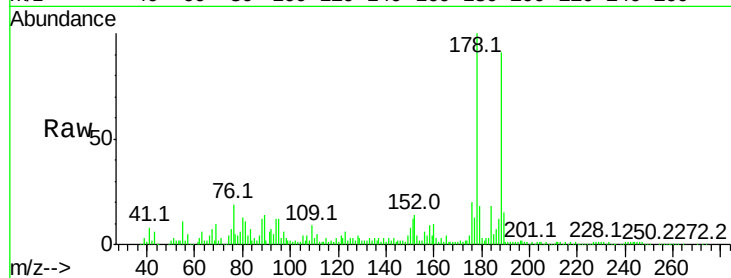
Tot Ion:188 Resp: 369771

Ion Ratio Lower Upper

188 100

94 13.2 11.1 16.7

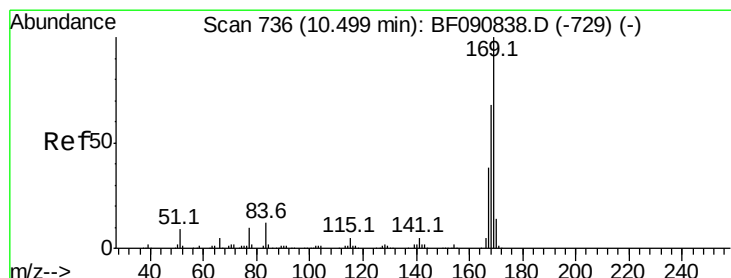
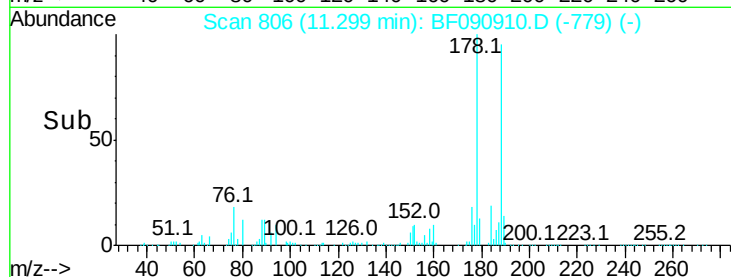
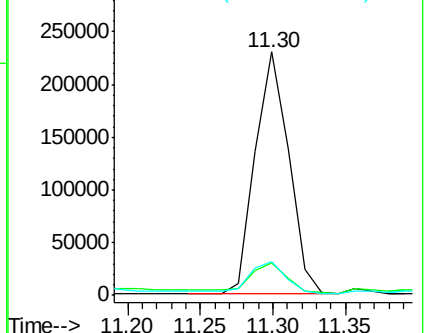
80 14.1 11.0 16.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#65

n-Nitrosodiphenylamine

Concen: 7.86 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.03 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

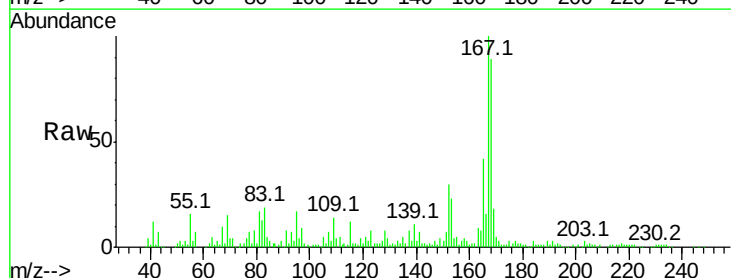
Tgt Ion:169 Resp: 89000

Ion Ratio Lower Upper

169 100

168 503.2 48.9 73.3#

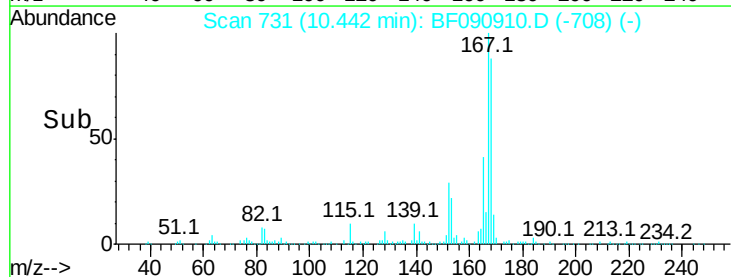
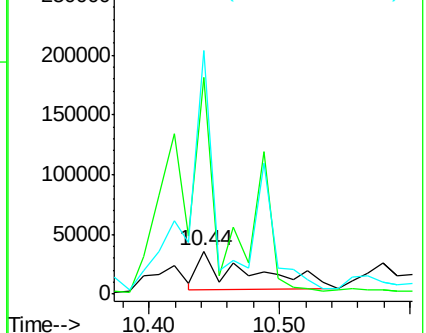
167 565.9 26.2 39.4#

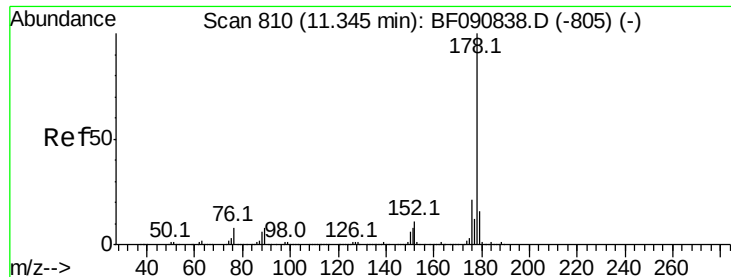


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 357.29 ng

RT: 11.33 min Scan# 809

Delta R.T. 0.01 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

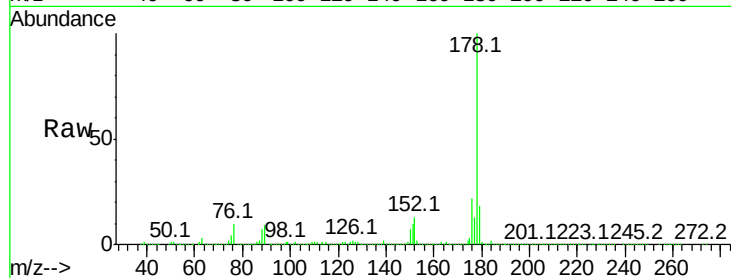
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 6727945

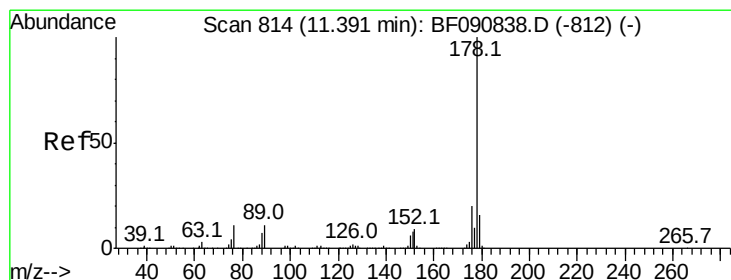
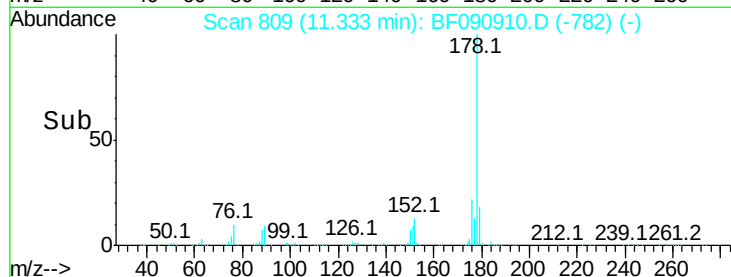
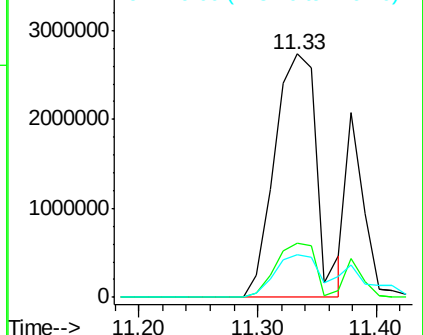
Ion	Ratio	Lower	Upper
178	100		
176	22.5	13.8	20.8
179	17.8	12.2	18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 111.14 ng

RT: 11.38 min Scan# 813

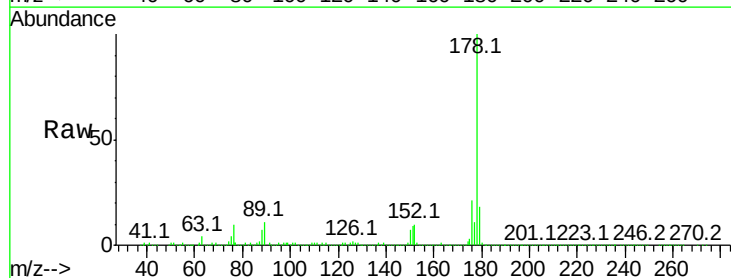
Delta R.T. 0.01 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

Tgt Ion:178 Resp: 2203633

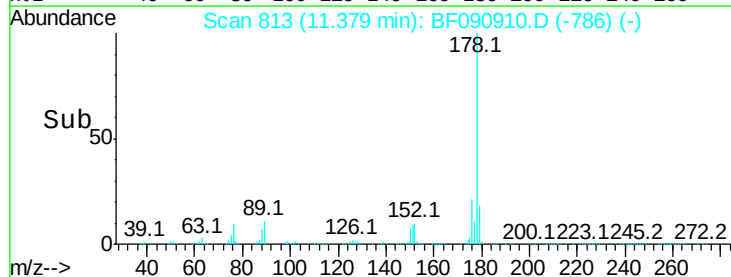
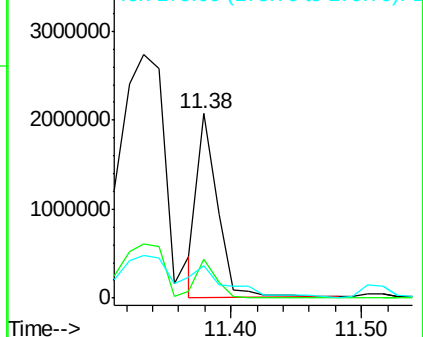
Ion	Ratio	Lower	Upper
178	100		
176	20.9	14.1	21.1
179	17.9	12.2	18.2

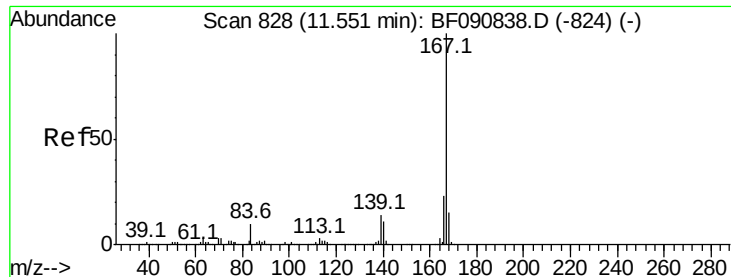


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 68.79 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

Instrument :

BNA_F

ClientSampleId :

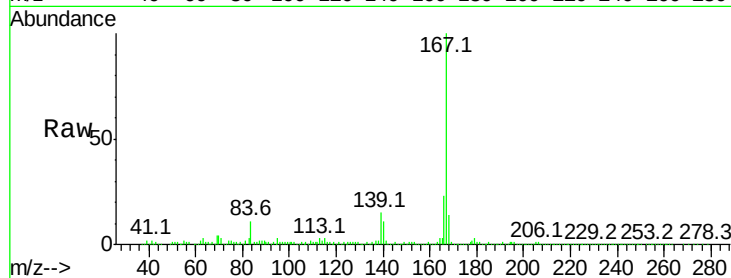
Tot Ion:167 Resp: 1204543

Ion Ratio Lower Upper

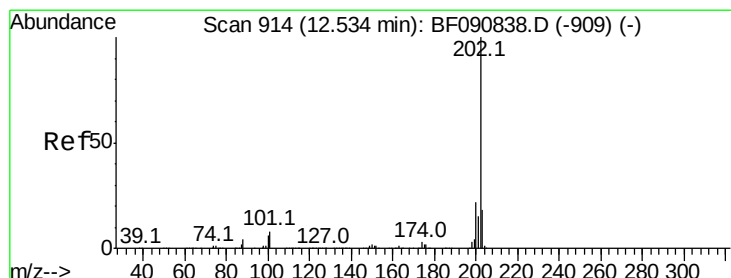
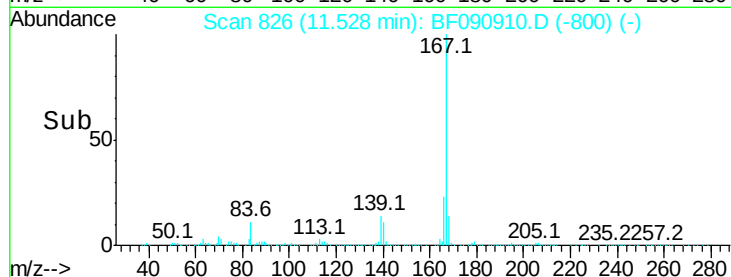
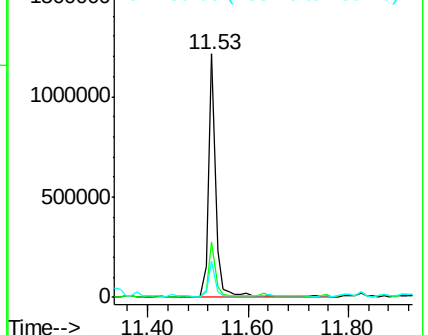
167 100

166 22.9 15.7 23.5

139 14.7 9.5 14.3#



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 281.61 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.03 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

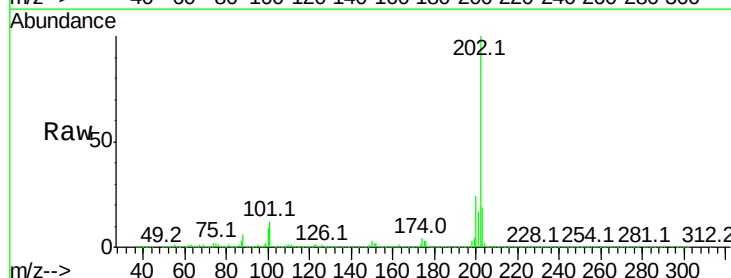
Tgt Ion:202 Resp: 5807240

Ion Ratio Lower Upper

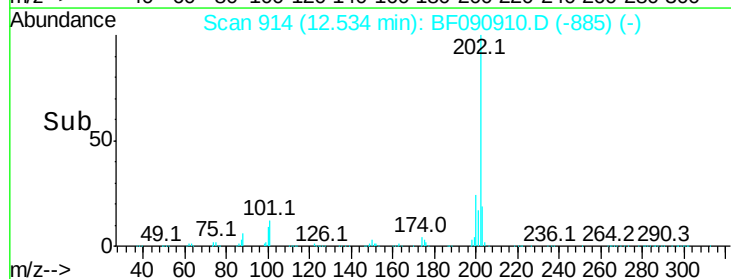
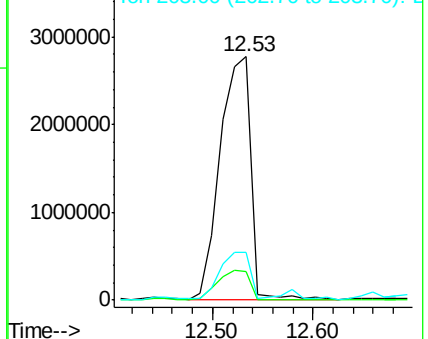
202 100

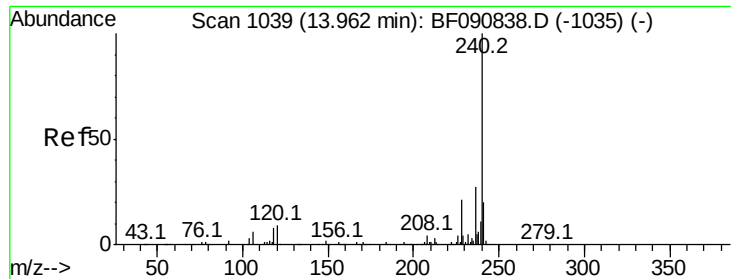
101 12.0 0.0 38.3

203 19.4 0.0 37.3



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

Instrument :

BNA_F

ClientSampleId :

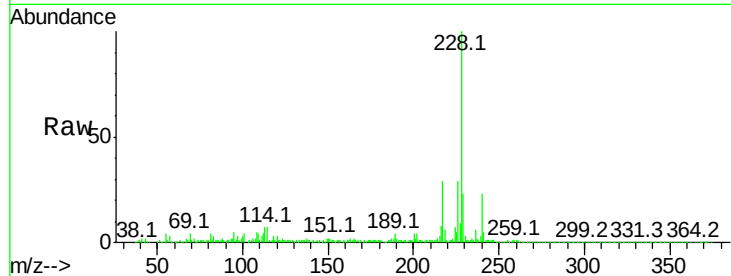
Tot Ion:240 Resp: 330890

Ion Ratio Lower Upper

240 100

120 13.3 16.2 24.2#

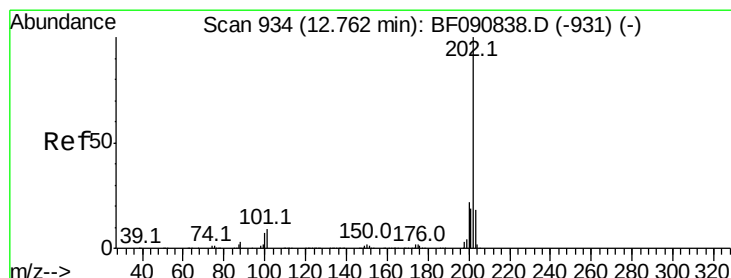
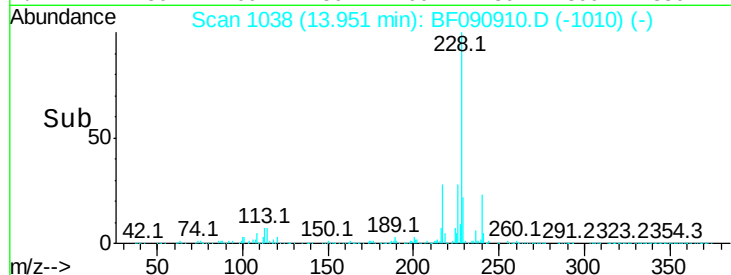
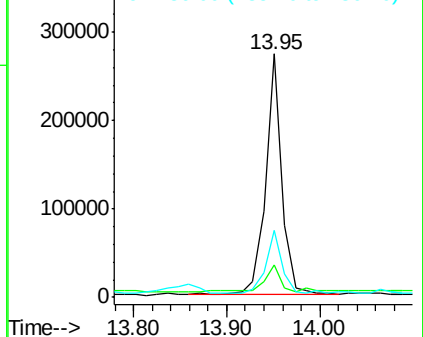
236 27.7 18.4 27.6#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 239.13 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.03 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

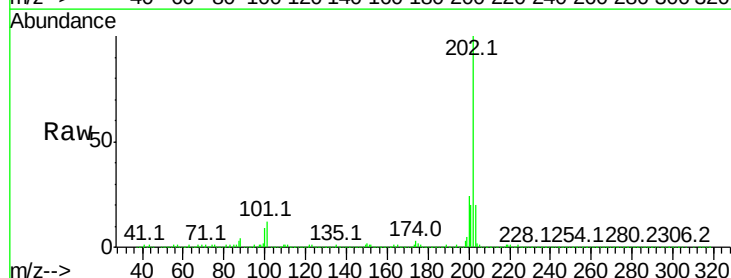
Tgt Ion:202 Resp: 5007381

Ion Ratio Lower Upper

202 100

200 24.4 15.0 22.4#

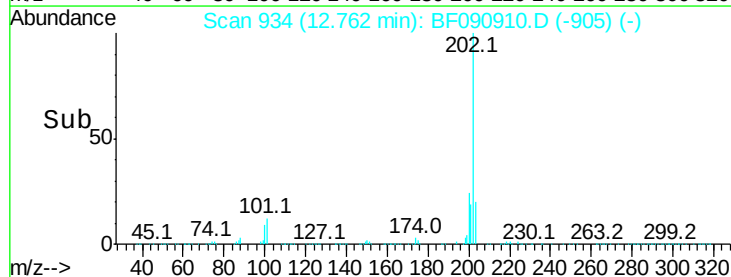
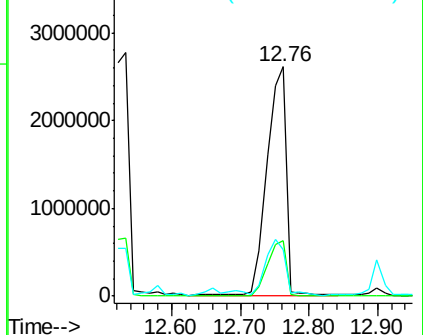
203 20.5 14.1 21.1

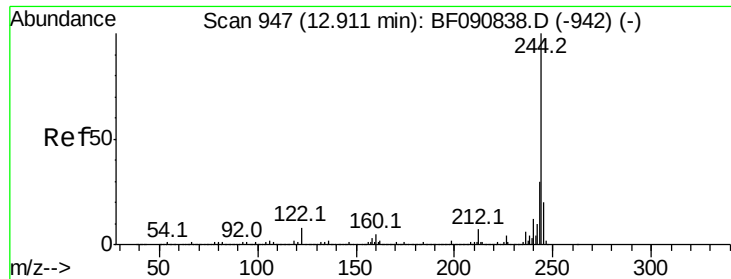


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.47 ng

RT: 12.89 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

Instrument :

BNA_F

ClientSampleId :

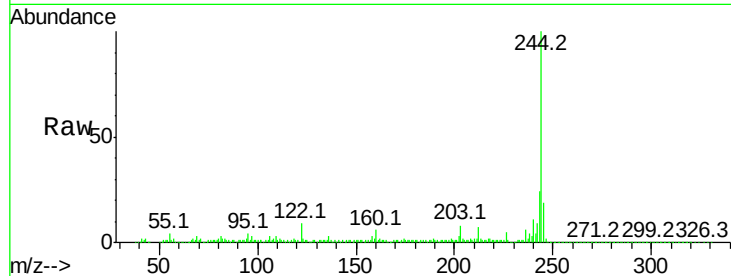
Tot Ion:244 Resp: 1070018

Ion Ratio Lower Upper

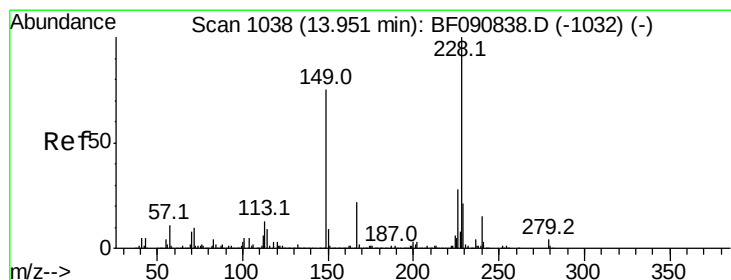
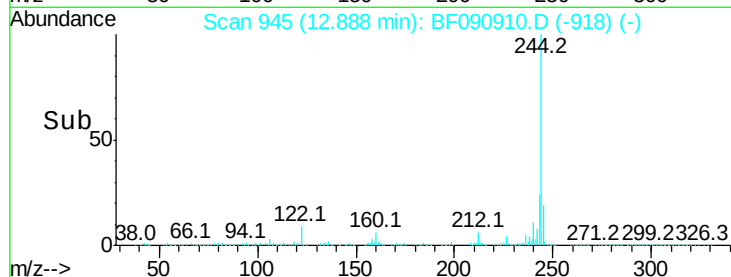
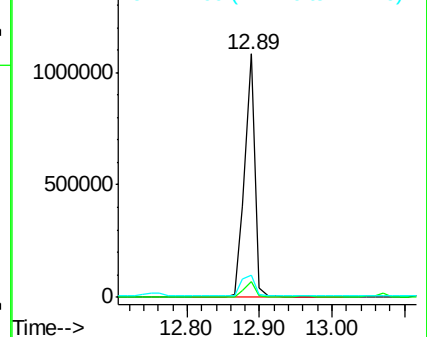
244 100

212 6.7 4.3 6.5#

122 9.2 17.4 26.2#



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



#80

Benzo(a)anthracene

Concen: 204.92 ng

RT: 13.94 min Scan# 1037

Delta R.T. 0.02 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

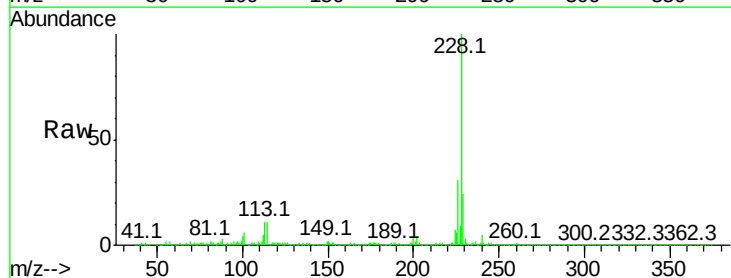
Tgt Ion:228 Resp: 3598473

Ion Ratio Lower Upper

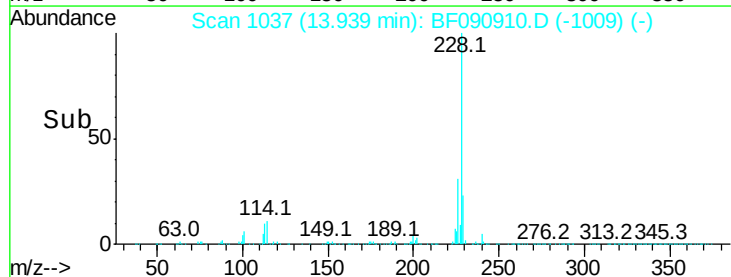
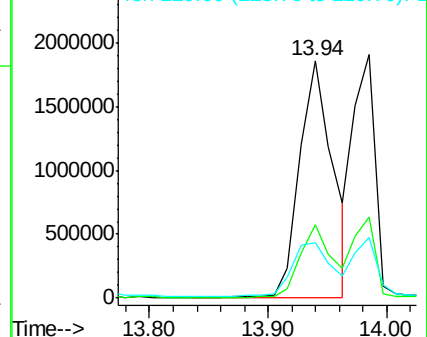
228 100

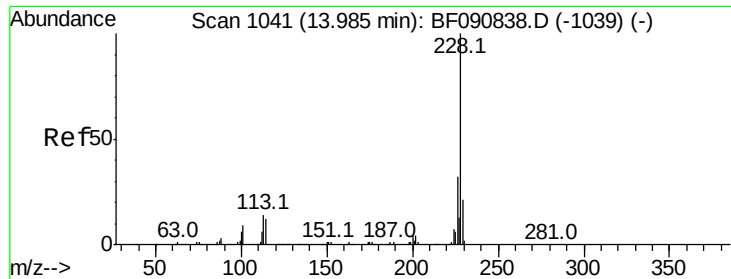
226 30.9 20.0 30.0#

229 23.6 15.4 23.2#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 136.34 ng

RT: 13.99 min Scan# 1041

Delta R.T. 0.02 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

Instrument :

BNA_F

ClientSampled :

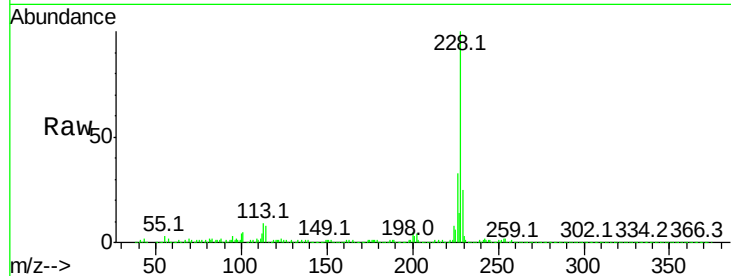
Tot Ion:228 Resp: 2421668

Ion Ratio Lower Upper

228 100

226 33.2 21.0 31.4#

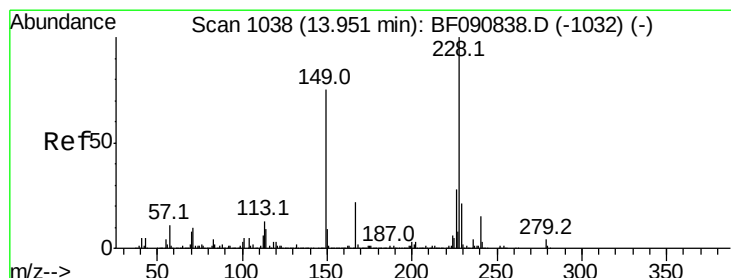
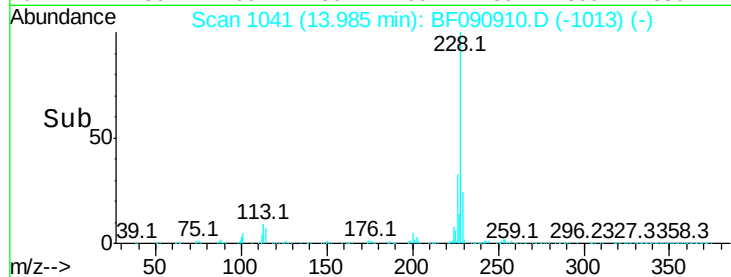
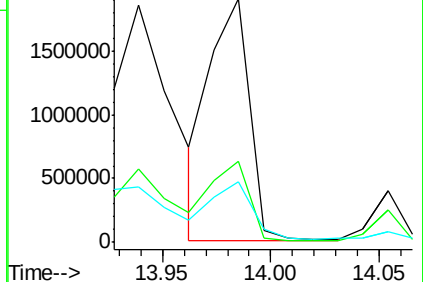
229 24.8 15.6 23.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.22 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.01 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

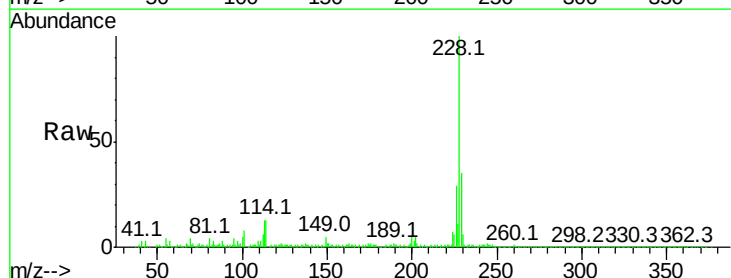
Tgt Ion:149 Resp: 52231

Ion Ratio Lower Upper

149 100

167 26.9 24.2 36.2

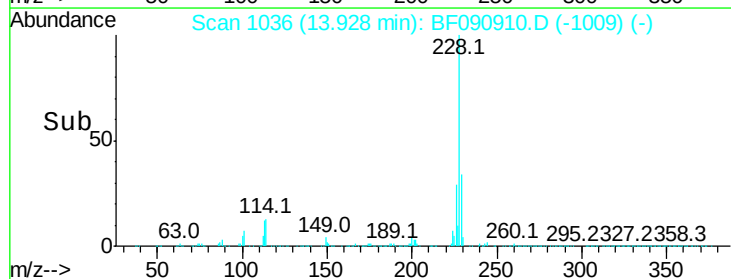
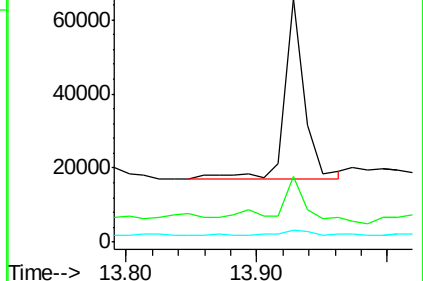
279 5.0 3.8 5.6

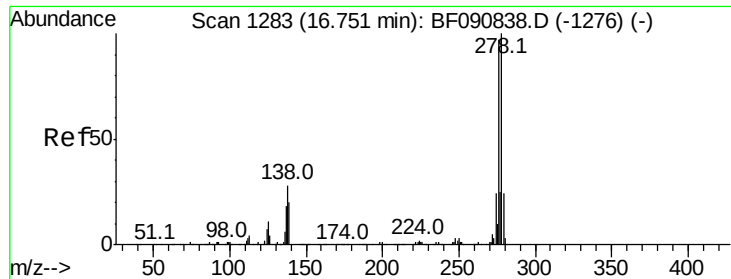


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

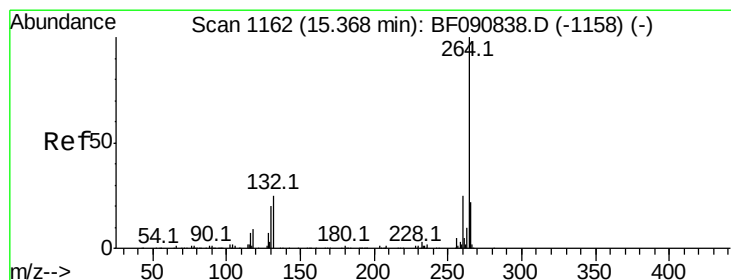
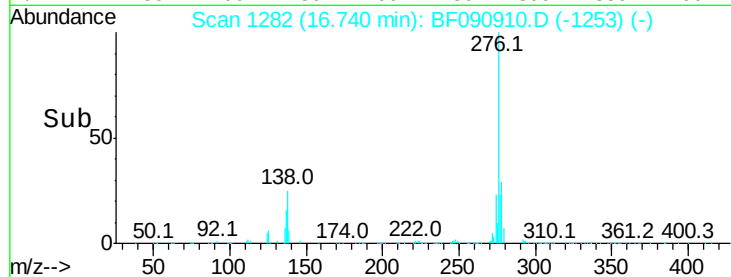
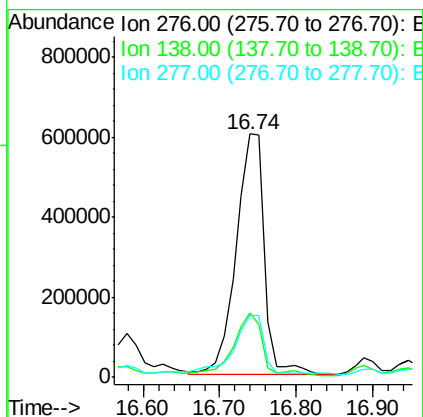
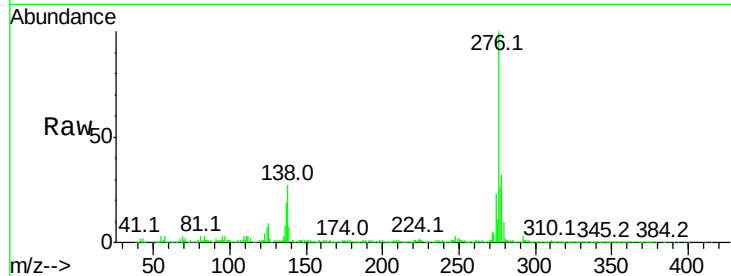




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 98.26 ng
 RT: 16.74 min Scan# 1282
 Delta R.T. 0.03 min
 Lab File: BF090910.D
 Acq: 28 Oct 2016 16:04

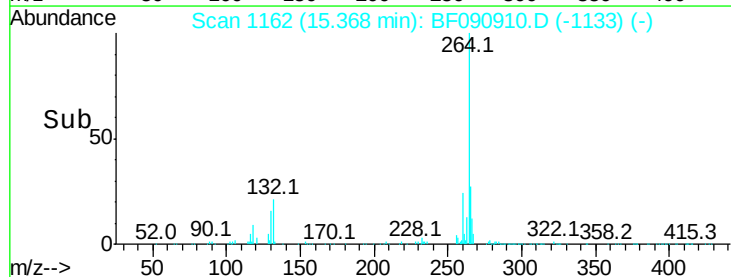
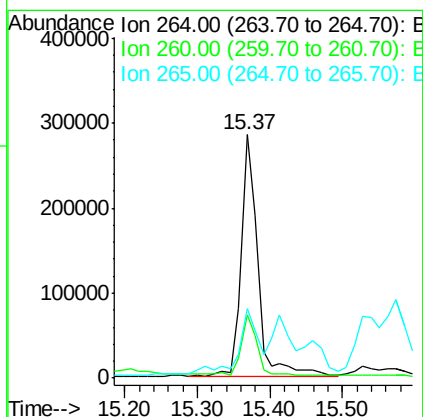
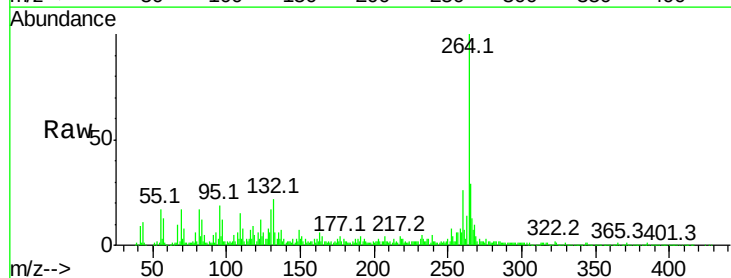
Instrument :
 BNA_F
 ClientSampleId :

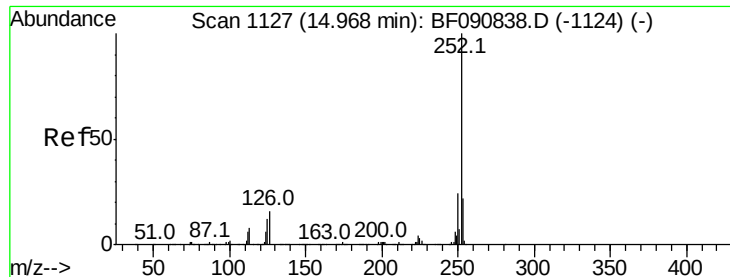
Tot Ion:276 Resp: 1546606
 Ion Ratio Lower Upper
 276 100
 138 26.6 25.7 38.5
 277 25.8 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1162
 Delta R.T. 0.03 min
 Lab File: BF090910.D
 Acq: 28 Oct 2016 16:04

Tgt Ion:264 Resp: 448779
 Ion Ratio Lower Upper
 264 100
 260 25.8 16.7 25.1#
 265 28.5 17.2 25.8#





#87

Benzo(b)fluoranthene

Concen: 163.39 ng

RT: 14.98 min Scan# 1128

Delta R.T. 0.03 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

Instrument :

BNA_F

ClientSampled :

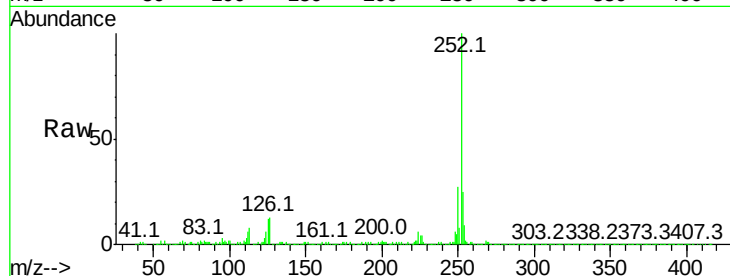
Tot Ion:252 Resp: 4930730

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

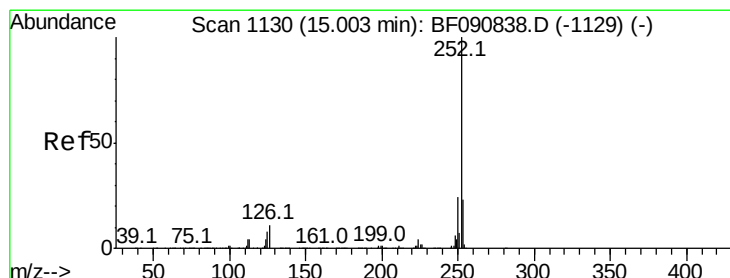
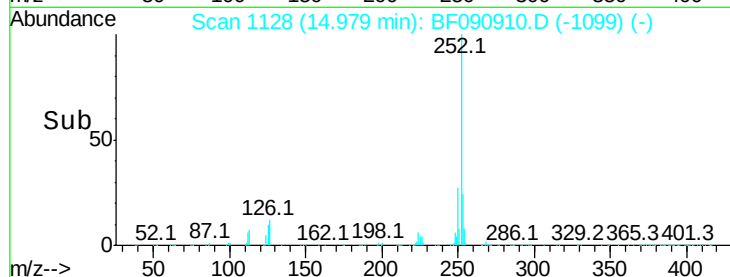
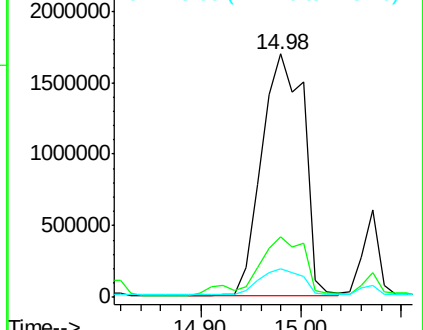
125 11.5 17.1 25.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 206.76 ng

RT: 14.98 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

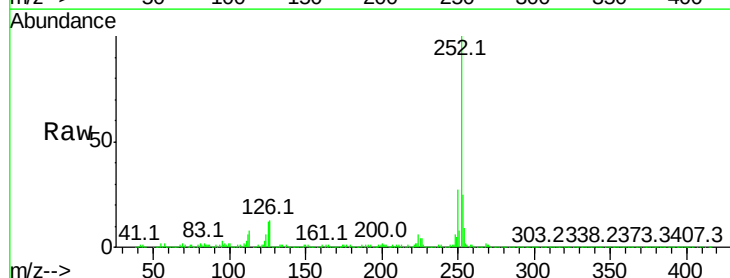
Tgt Ion:252 Resp: 4930730

Ion Ratio Lower Upper

252 100

253 24.8 17.0 25.4

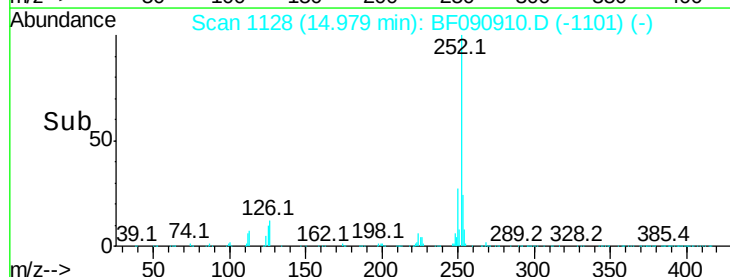
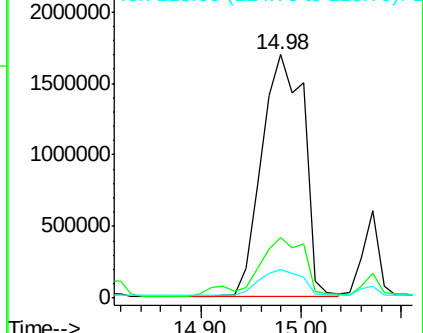
125 11.5 16.0 24.0#

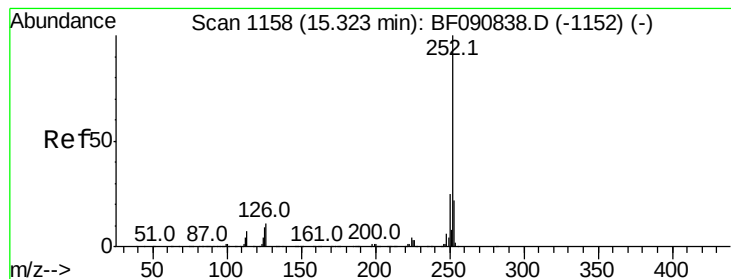


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 101.20 ng

RT: 15.32 min Scan# 1158

Delta R.T. 0.03 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

Instrument :

BNA_F

ClientSampled :

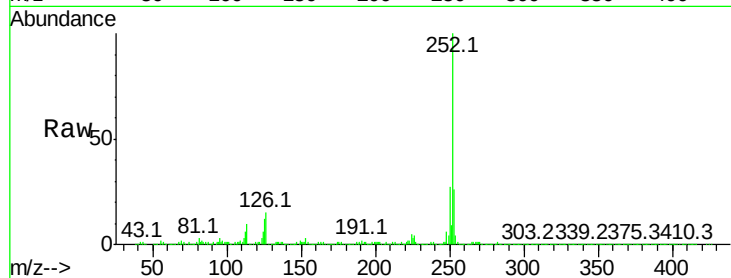
Tot Ion:252 Resp: 2623899

Ion Ratio Lower Upper

252 100

253 25.9 17.2 25.8#

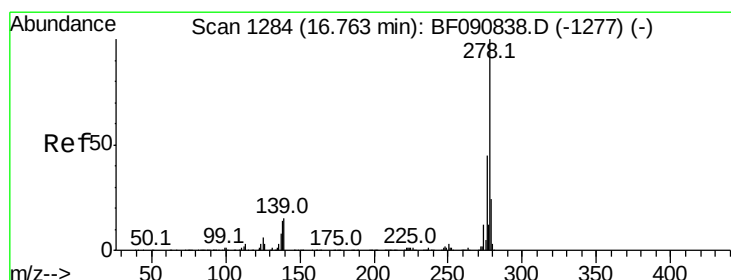
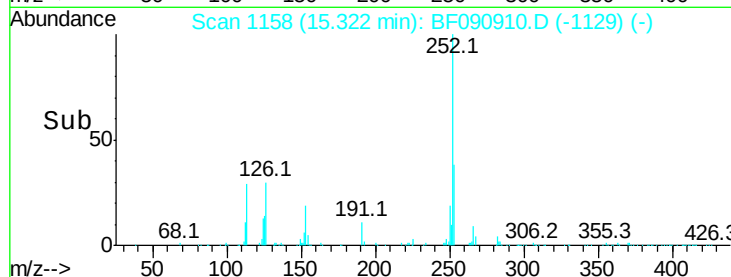
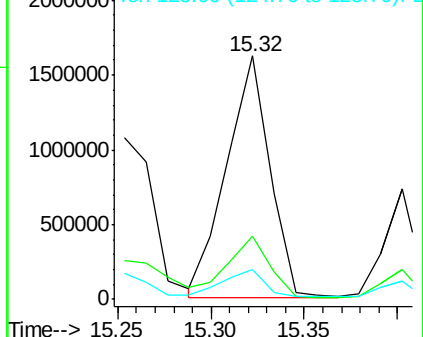
125 12.1 18.0 27.0#



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: 24.22 ng

RT: 16.75 min Scan# 1283

Delta R.T. 0.03 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

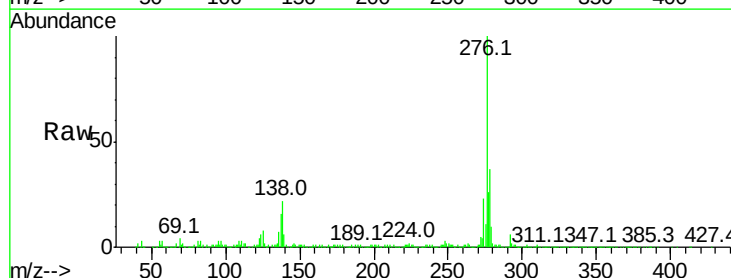
Tgt Ion:278 Resp: 531577

Ion Ratio Lower Upper

278 100

139 17.6 26.3 39.5#

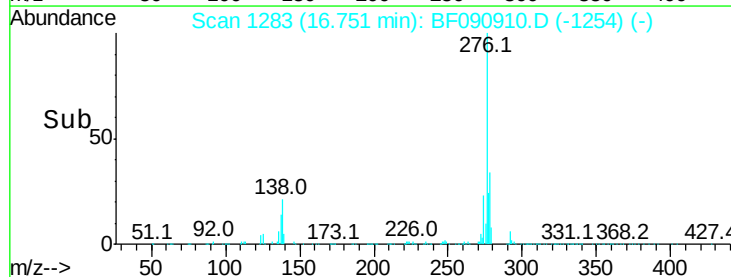
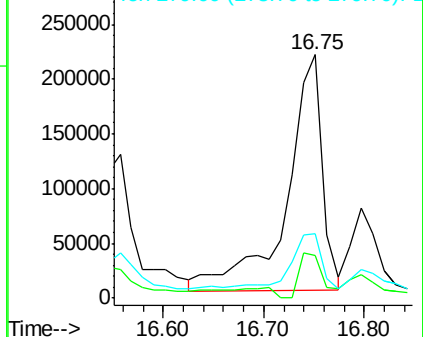
279 26.5 18.2 27.4

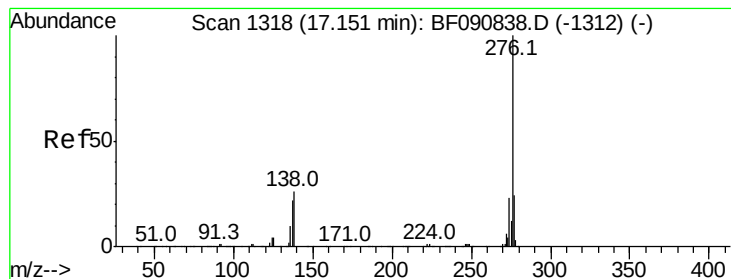


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 59.98 ng

RT: 17.15 min Scan# 1318

Delta R.T. 0.05 min

Lab File: BF090910.D

Acq: 28 Oct 2016 16:04

Instrument :

BNA_F

ClientSampleId :

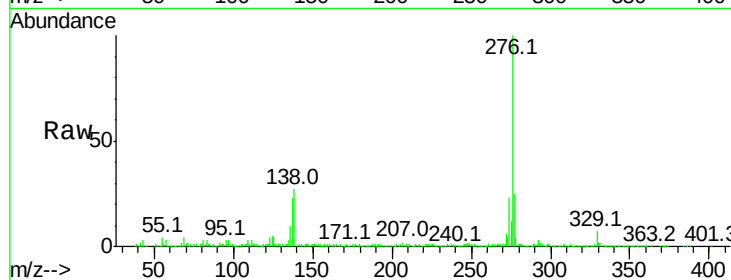
Tot Ion:276 Resp: 1240060

Ion Ratio Lower Upper

276 100

277 25.5 17.8 26.6

138 27.1 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

