

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102816\
 Data File : BF090907.D
 Acq On : 28 Oct 2016 13:54
 Operator : UM/SJ
 Sample : H5411-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 28 15:16:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

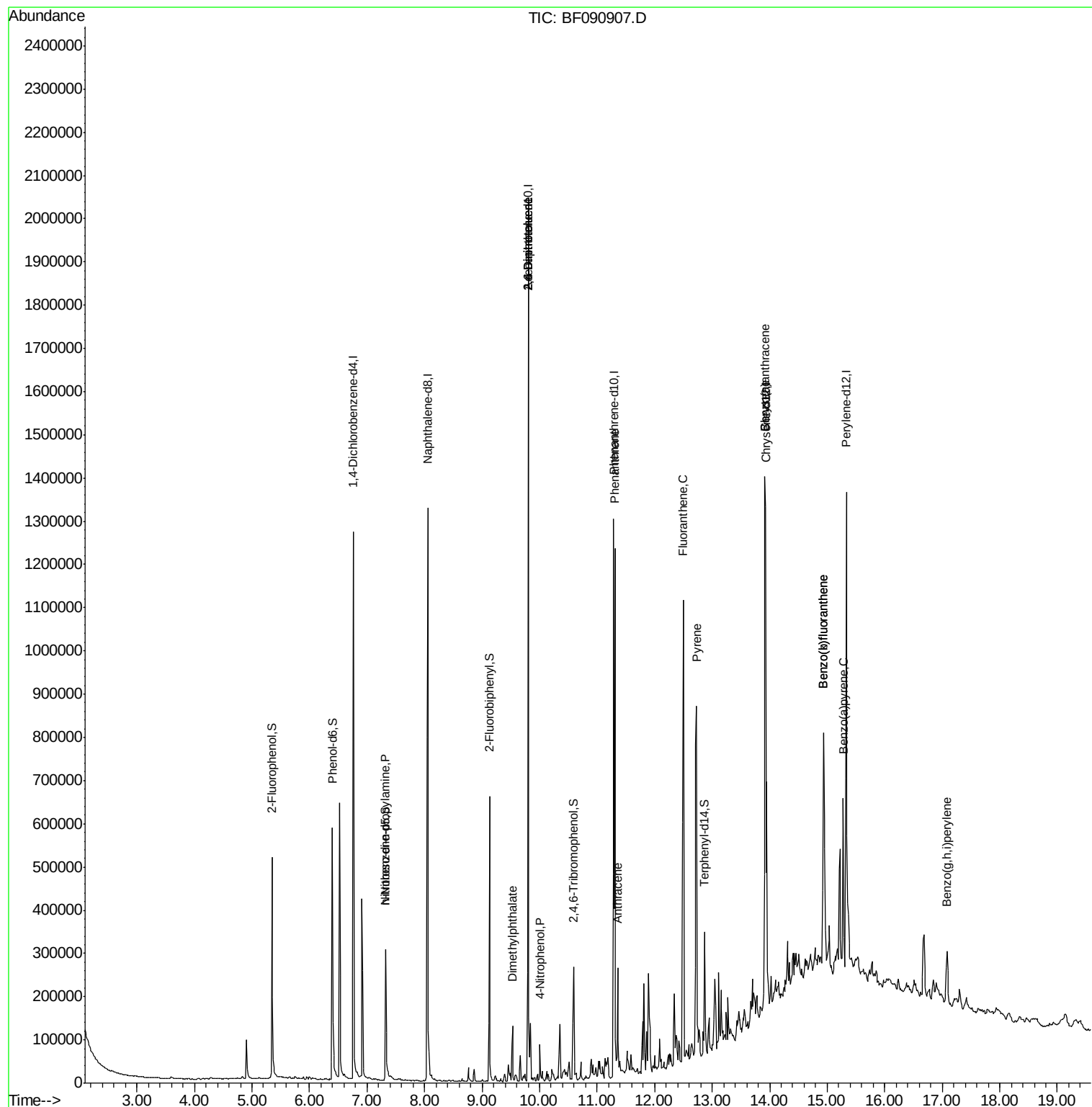
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	198918	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	777839	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	374794	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	502947	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	448039	20.00	ng	-0.02
86) Perylene-d12	15.33	264	465498	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	171789	15.10	ng	-0.02
7) Phenol-d6	6.40	99	244837	15.95	ng	-0.02
23) Nitrobenzene-d5	7.32	82	146139	12.30	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	26497	6.88	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	206522	9.68	ng	-0.02
78) Terphenyl-d14	12.87	244	106032	5.96	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	20187	2.27	ng	# 55
49) Dimethylphthalate	9.53	163	66563	2.66	ng	# 96
50) 2,6-Dinitrotoluene	9.80	165	50768	9.18	ng	# 38
55) 4-Nitrophenol	10.01	139	11524	3.21	ng	# 28
56) 2,4-Dinitrotoluene	9.80	165	51191	7.45	ng	# 33
70) Phenanthrene	11.31	178	441513	17.24	ng	97
71) Anthracene	11.36	178	112396	4.17	ng	97
74) Fluoranthene	12.50	202	485870	17.32	ng	91
77) Pyrene	12.73	202	446059	15.73	ng	96
80) Benzo(a)anthracene	13.92	228	297774	12.52	ng	93
82) Chrysene	13.92	228	297774	12.38	ng	95
87) Benzo(b)fluoranthene	14.93	252	367897	11.75	ng	# 92
88) Benzo(k)fluoranthene	14.93	252	367897	14.87	ng	# 93
89) Benzo(a)pyrene	15.28	252	219041	8.14	ng	# 86
91) Benzo(a,h,i)perylene	17.08	276	92575	4.32	ng	# 82

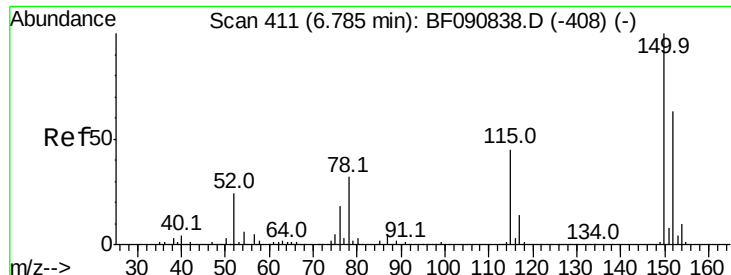
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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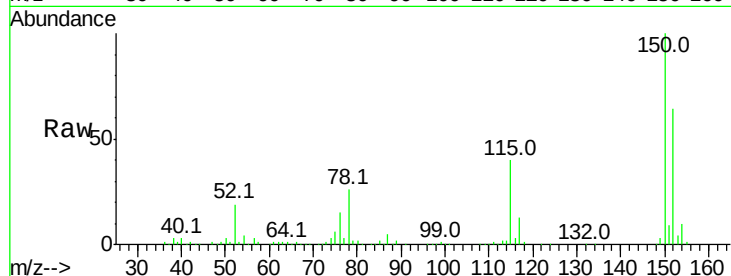


#1

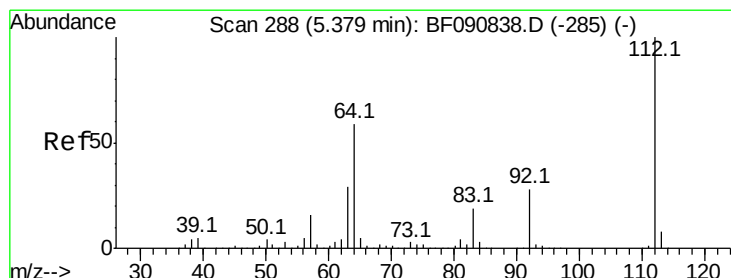
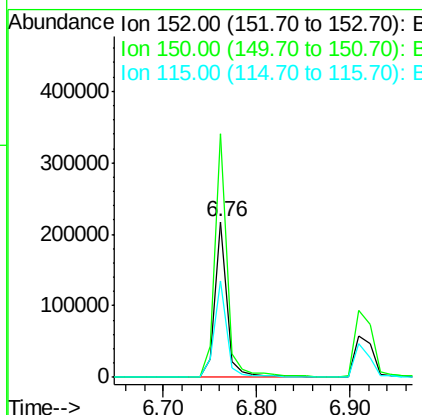
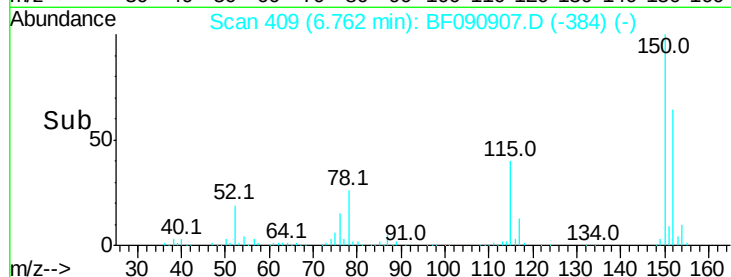
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 198918
Ion Ratio Lower Upper
152 100
150 156.8 124.7 187.1
115 62.1 39.0 58.4#



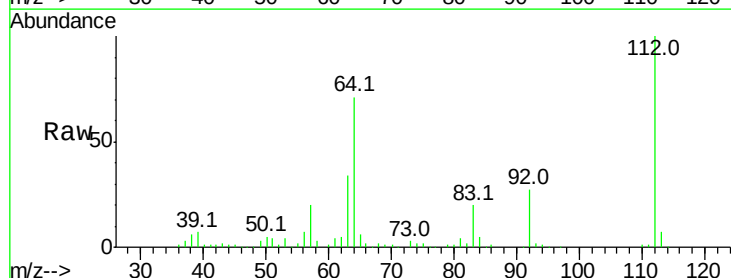
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



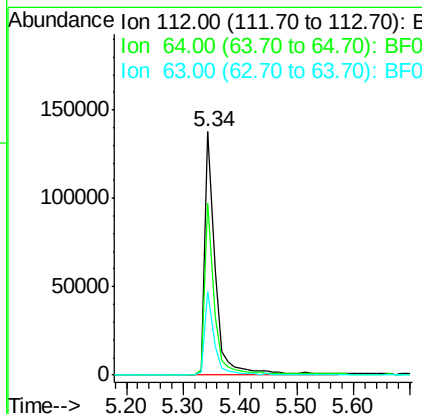
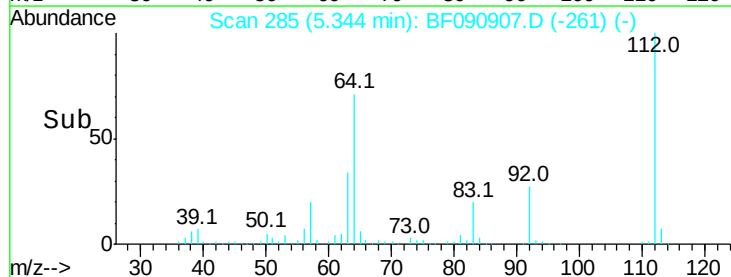
#5

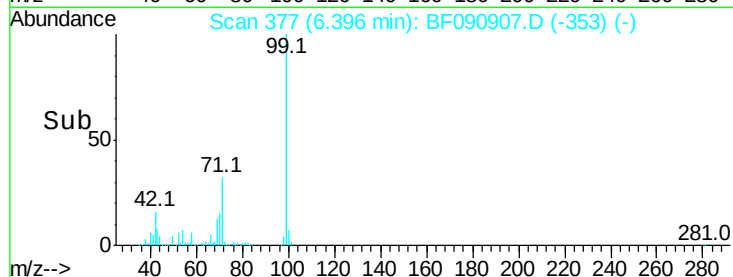
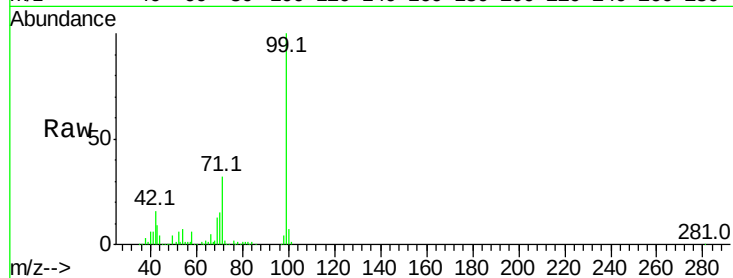
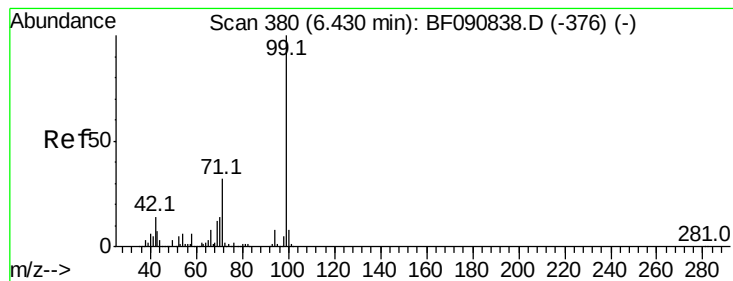
2-Fluorophenol
Concen: 15.10 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

Tgt Ion:112 Resp: 171789
Ion Ratio Lower Upper
112 100
64 70.5 39.7 59.5#
63 34.2 17.4 26.0#



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





#7

Phenol-d6

Concen: 15.95 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Instrument :

BNA_F

ClientSampleId :

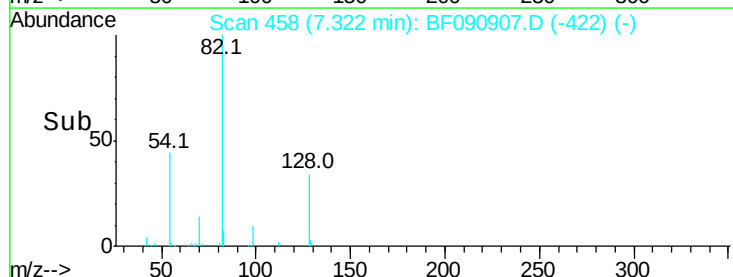
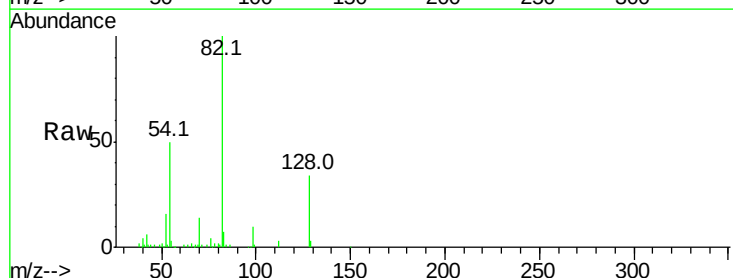
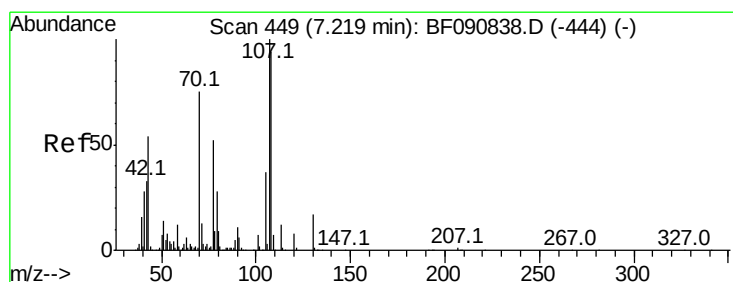
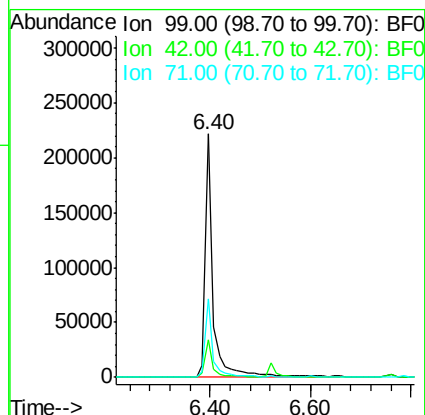
Tot Ion: 99 Resp: 244837

Ion Ratio Lower Upper

99 100

42 15.6 13.7 20.5

71 32.3 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 2.27 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.11 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Tgt Ion: 70 Resp: 20187

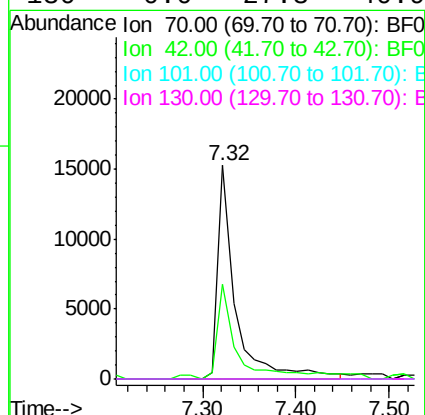
Ion Ratio Lower Upper

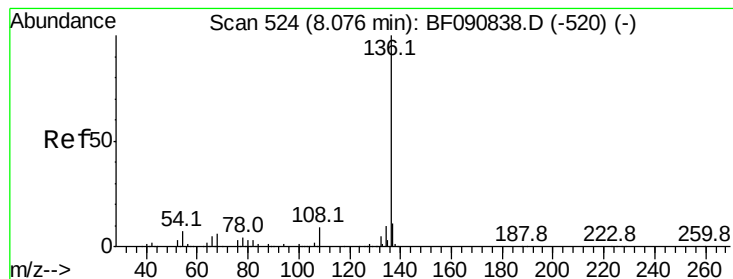
70 100

42 44.2 63.8 95.6#

101 0.0 9.2 13.8#

130 0.0 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF090907.D

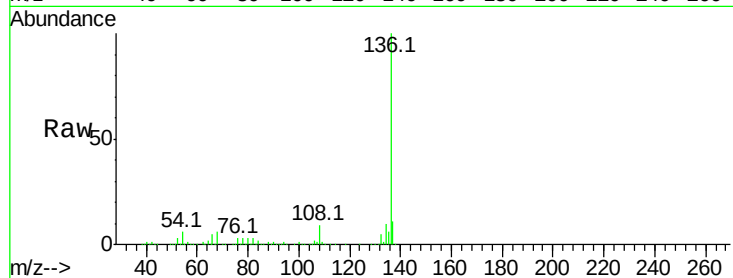
Acq: 28 Oct 2016 13:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	777839
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	6.3	8.2	12.2#
68	5.8	5.8	8.6

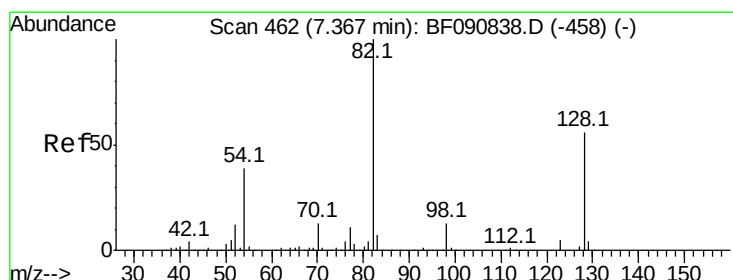
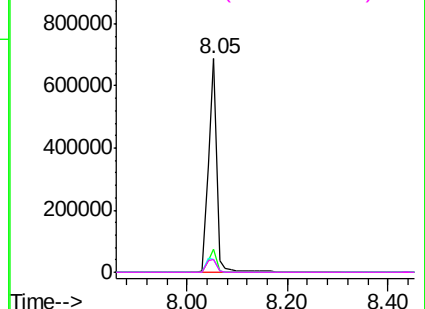
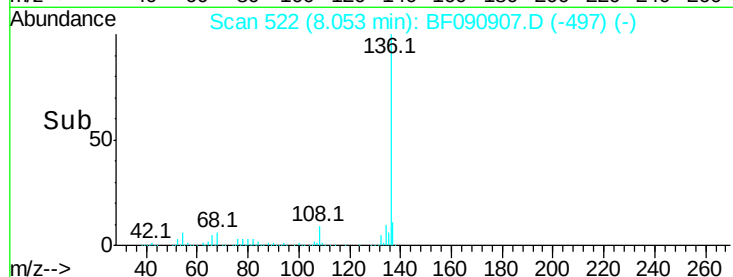


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 12.30 ng

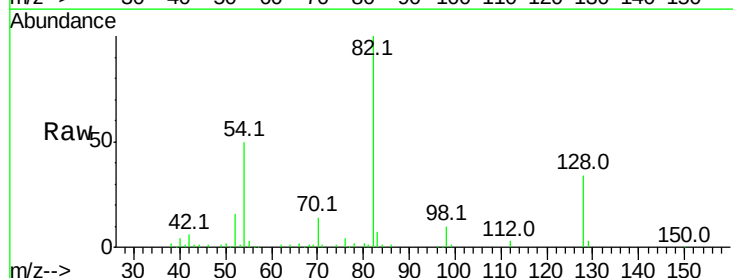
RT: 7.32 min Scan# 458

Delta R.T. -0.03 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

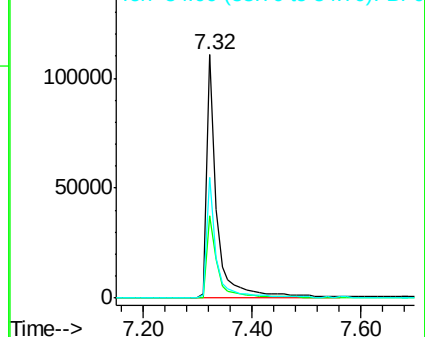
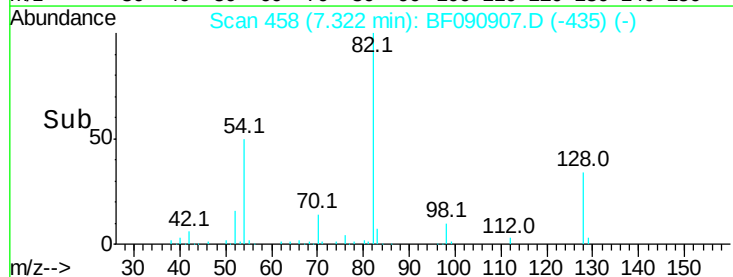
Tgt Ion:	82	Resp:	146139
Ion	Ratio	Lower	Upper
82	100		
128	33.9	51.0	76.6#
54	49.6	47.5	71.3

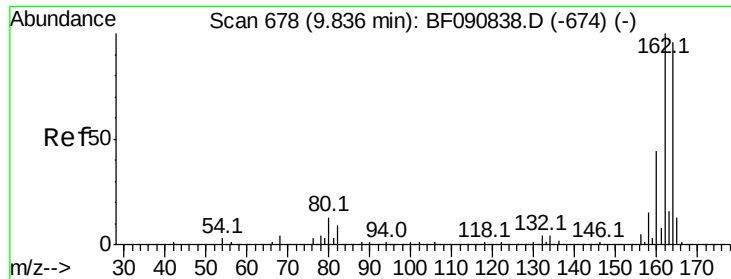


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

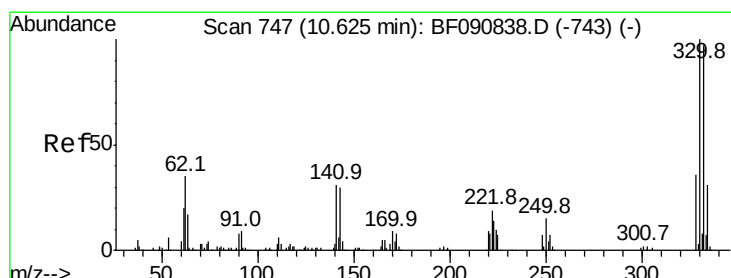
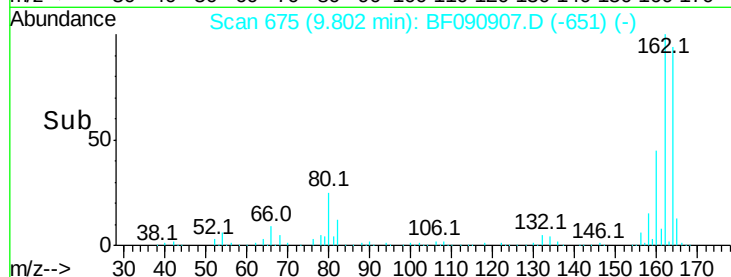
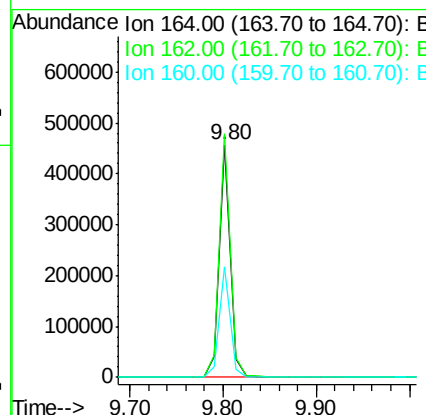
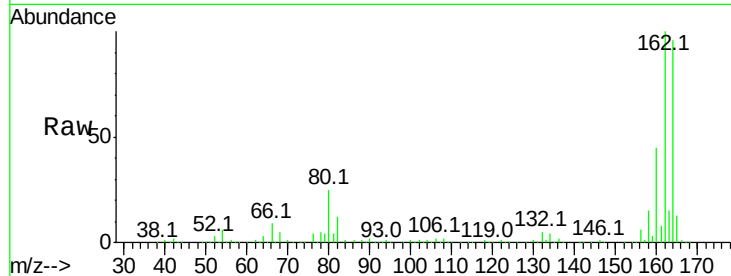




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

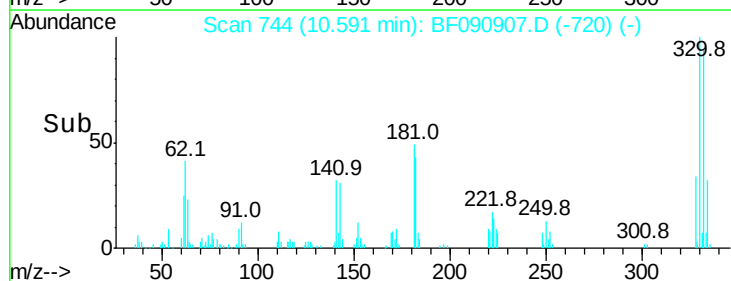
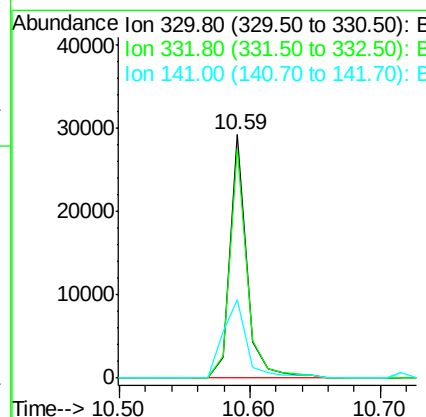
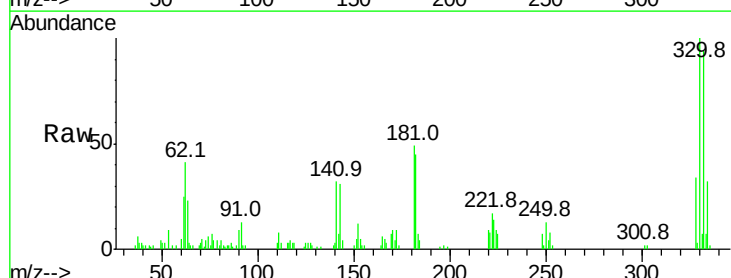
Instrument :
 BNA_F
 ClientSampleId :

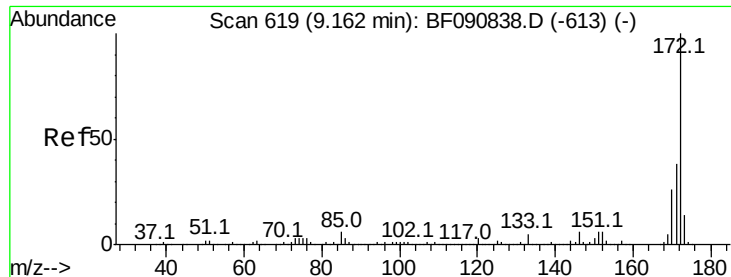
Tot Ion:164 Resp: 374794
 Ion Ratio Lower Upper
 164 100
 162 104.6 75.2 112.8
 160 47.5 31.5 47.3#



#41
 2,4,6-Tribromophenol
 Concen: 6.88 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

Tgt Ion:330 Resp: 26497
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 114.8
 141 46.8 29.7 44.5#

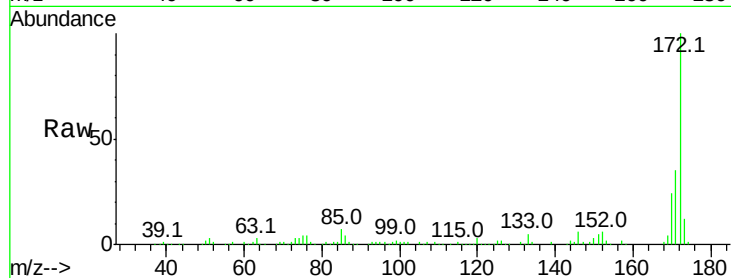




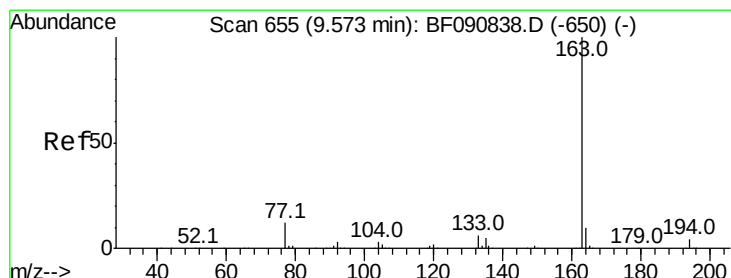
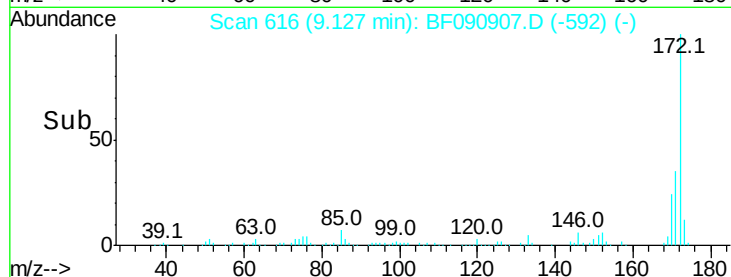
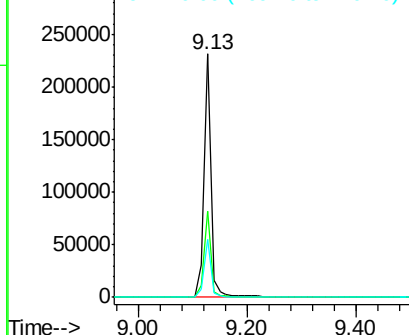
#44
2-Fluorobiphenyl
Concen: 9.68 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.02 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 206522
Ion Ratio Lower Upper
172 100
171 35.3 26.1 39.1
170 23.6 17.4 26.2

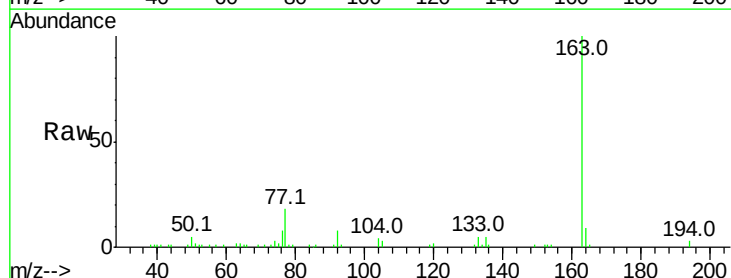


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

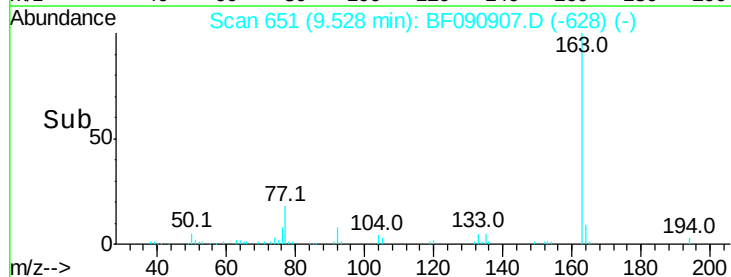
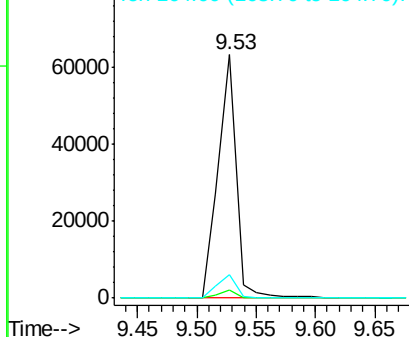


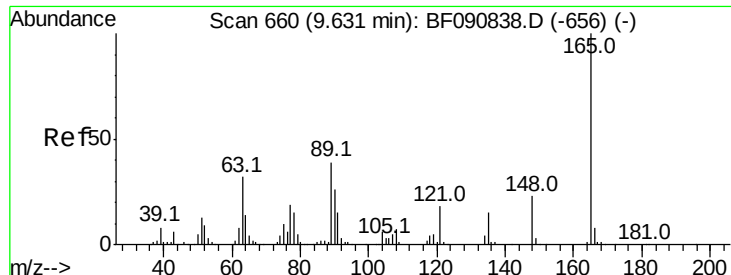
#49
Dimethylphthalate
Concen: 2.66 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.03 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

Tgt Ion:163 Resp: 66563
Ion Ratio Lower Upper
163 100
194 3.2 4.4 6.6#
164 9.4 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





#50

2,6-Dinitrotoluene

Concen: 9.18 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.18 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Instrument :
BNA_F
ClientSampleId :

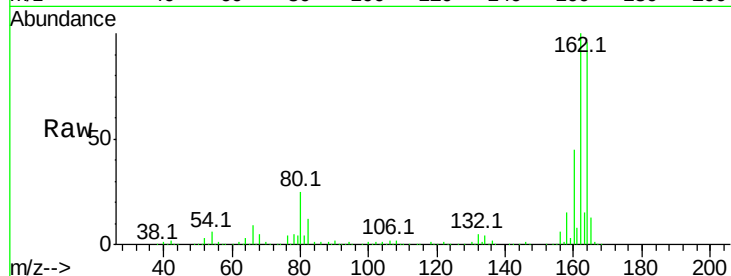
Tot Ion:165 Resp: 50768

Ion Ratio Lower Upper

165 100

63 1.0 32.3 48.5#

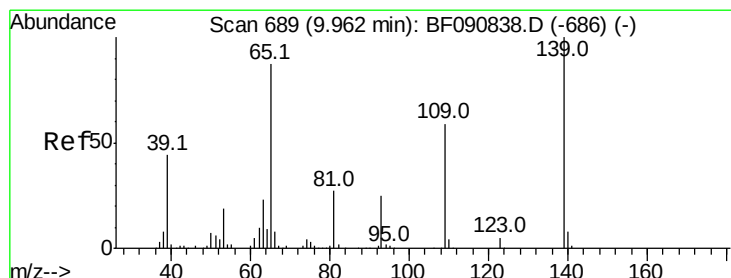
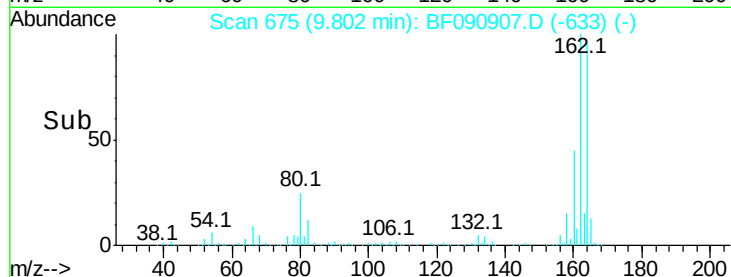
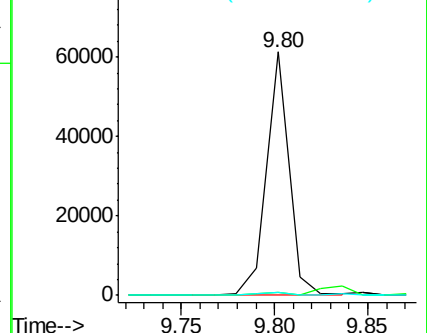
89 1.0 28.6 43.0#



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



#55

4-Nitrophenol

Concen: 3.21 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.06 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

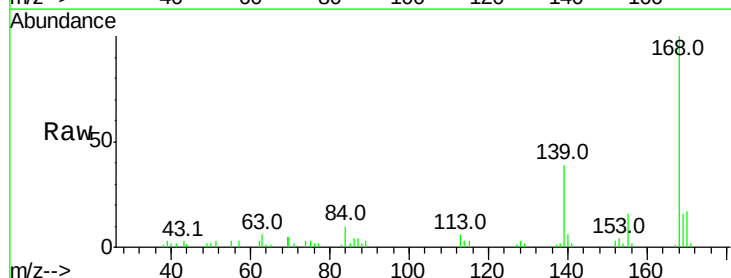
Tgt Ion:139 Resp: 11524

Ion Ratio Lower Upper

139 100

109 0.0 12.7 52.7#

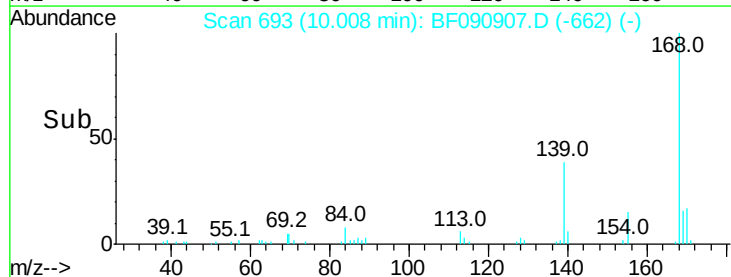
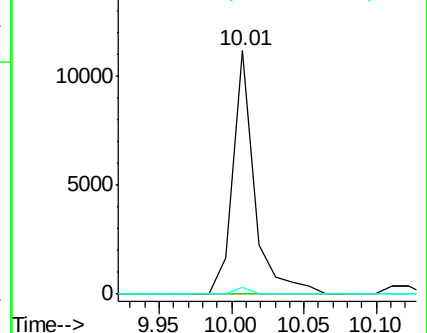
65 2.8 45.9 85.9#

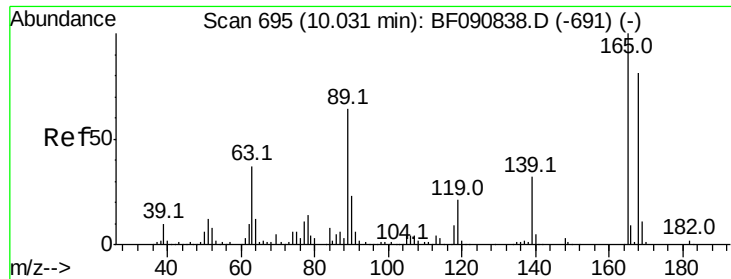


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

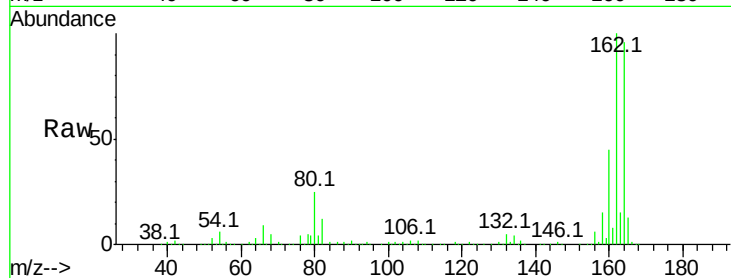




#56
 2,4-Dinitrotoluene
 Concen: 7.45 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.22 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	29.8	44.6#
89	1.0	44.5	66.7#
182	0.0	3.0	4.4#

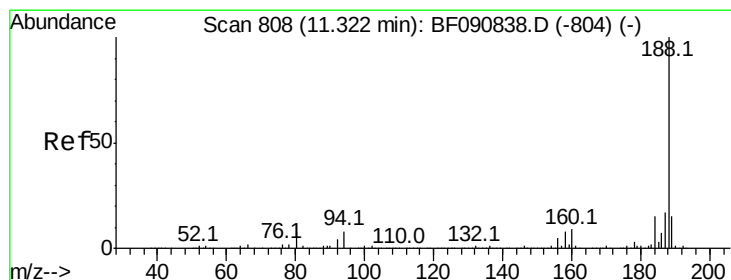
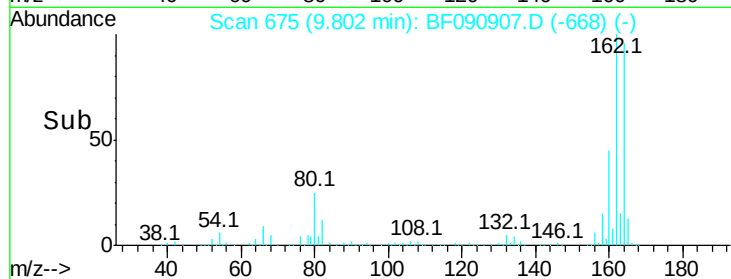
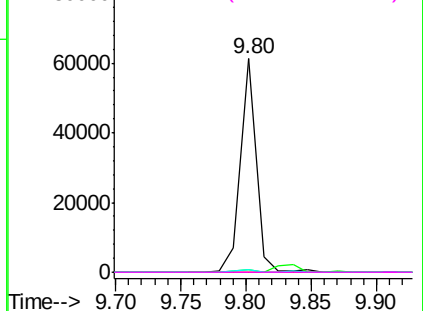


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

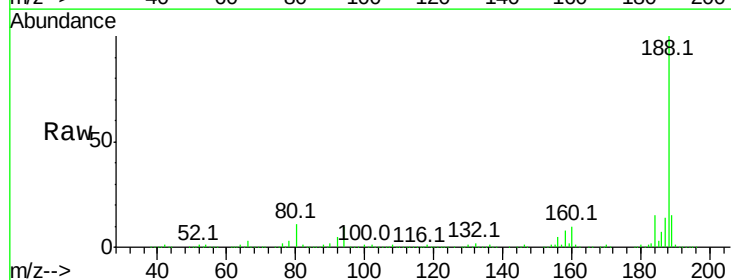
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

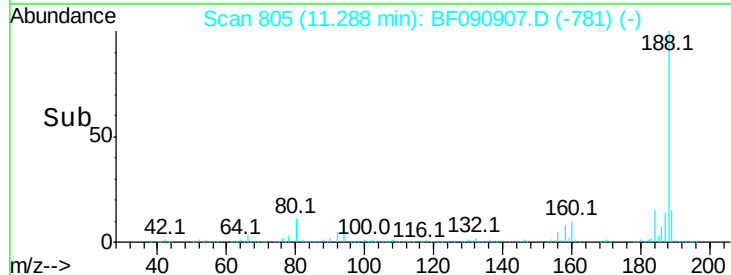
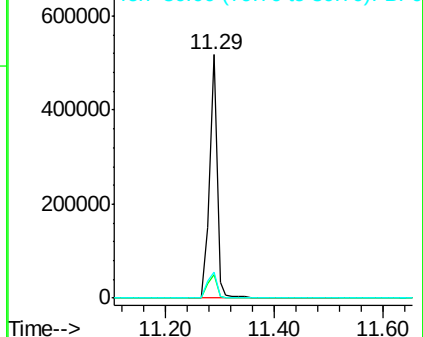
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	11.1	16.7#
80	10.5	11.0	16.4#

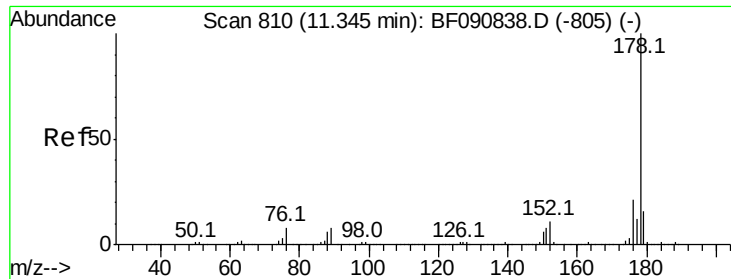


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

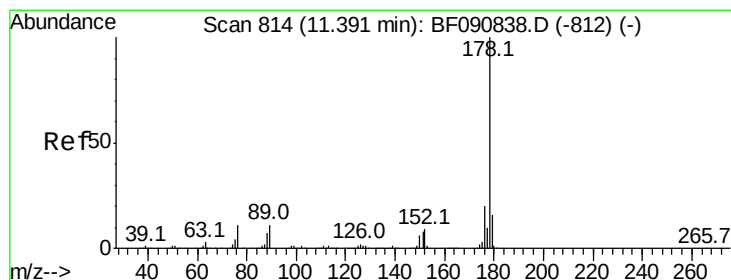
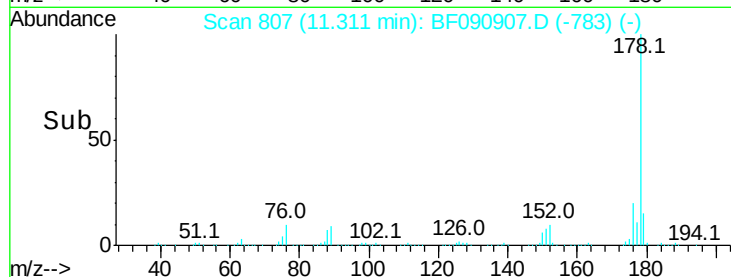
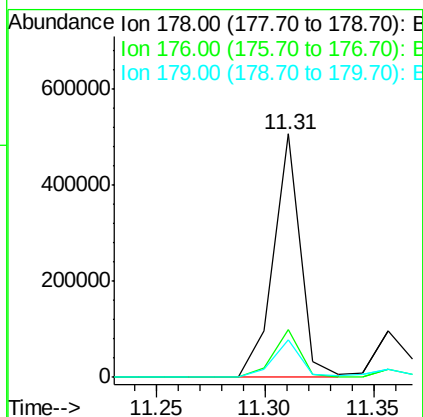
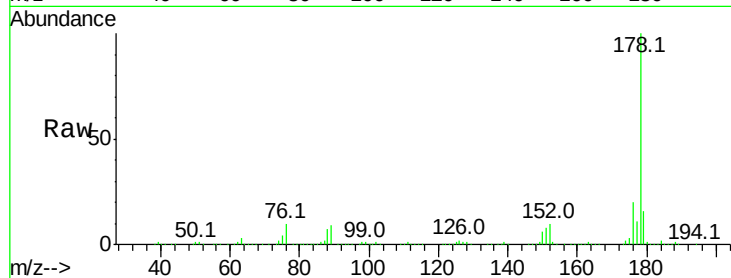




#70
Phenanthrene
Concen: 17.24 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

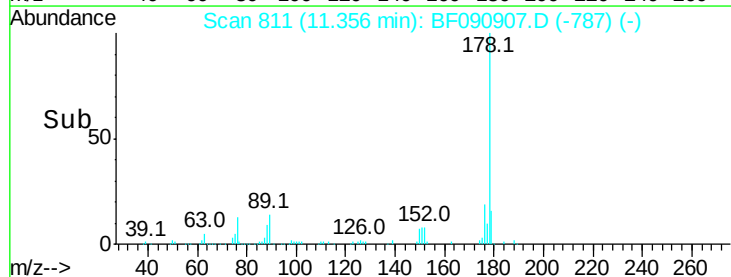
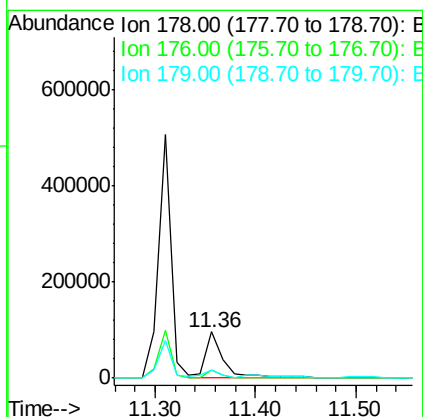
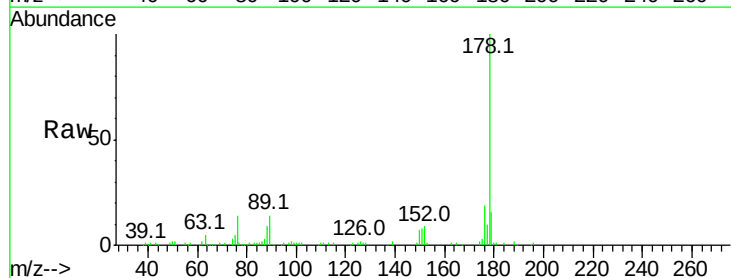
Instrument :
BNA_F
ClientSampleId :

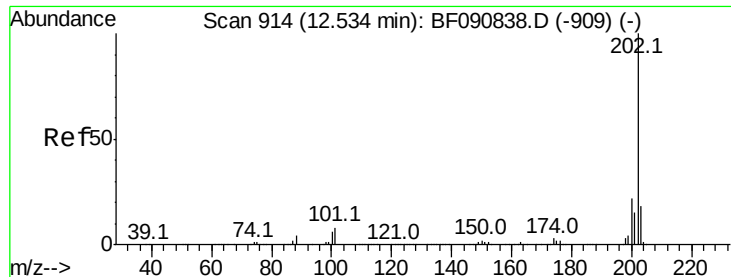
Tot Ion:178 Resp: 441513
Ion Ratio Lower Upper
178 100
176 19.6 13.8 20.8
179 15.5 12.2 18.2



#71
Anthracene
Concen: 4.17 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

Tgt Ion:178 Resp: 112396
Ion Ratio Lower Upper
178 100
176 18.9 14.1 21.1
179 16.4 12.2 18.2





#74

Fluoranthene

Concen: 17.32 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Instrument :

BNA_F

ClientSampleId :

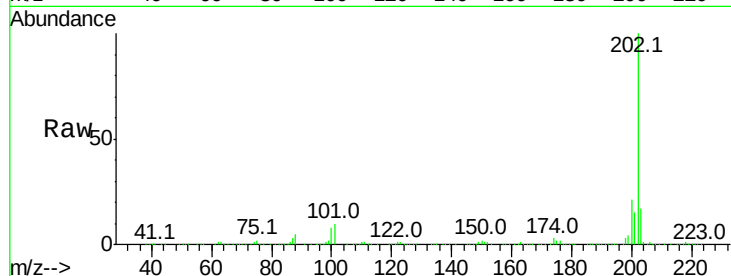
Tot Ion:202 Resp: 485870

Ion Ratio Lower Upper

202 100

101 10.2 0.0 38.3

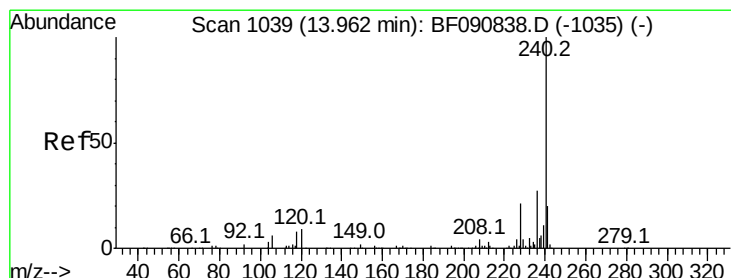
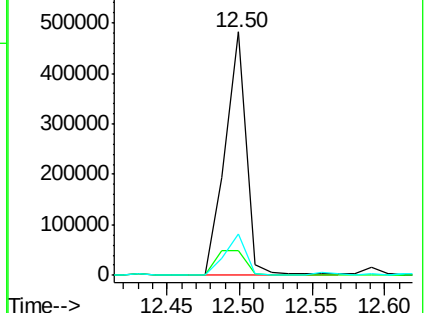
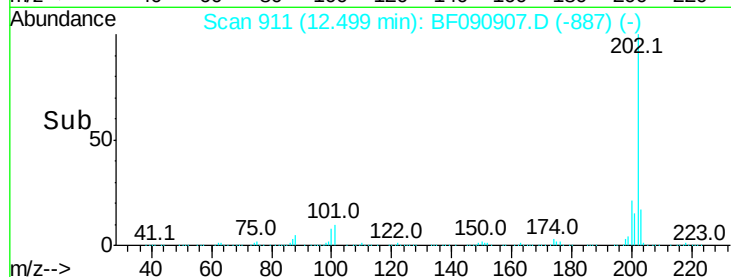
203 17.2 0.0 37.3



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: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

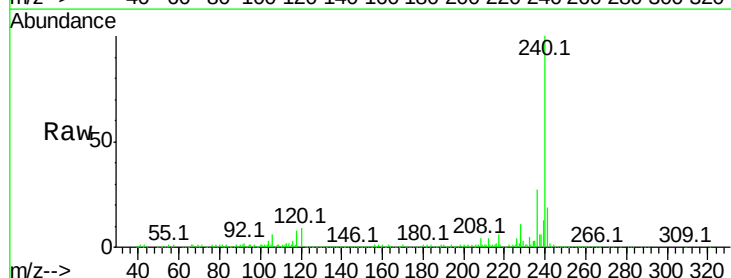
Tgt Ion:240 Resp: 448039

Ion Ratio Lower Upper

240 100

120 8.9 16.2 24.2#

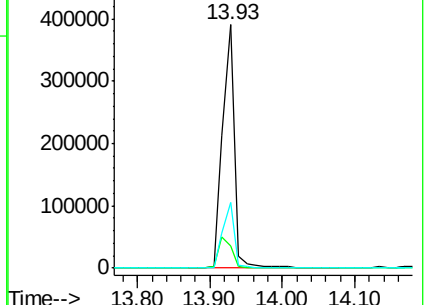
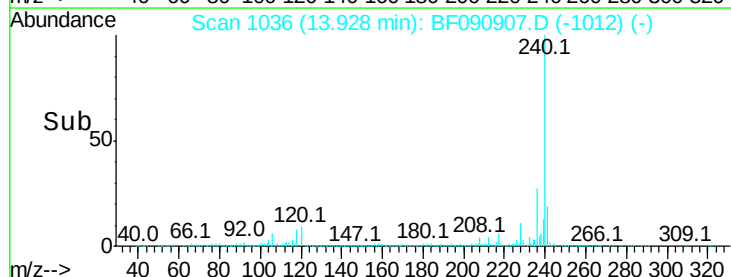
236 26.9 18.4 27.6

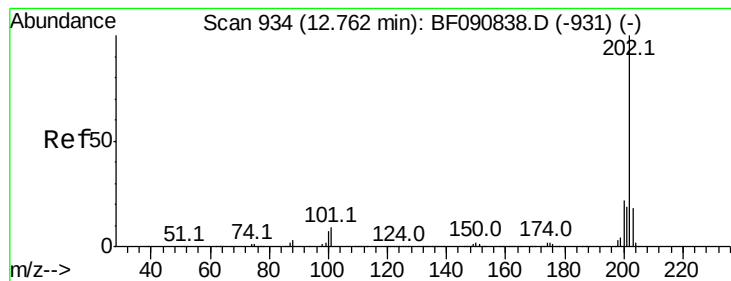


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 15.73 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

Instrument :

BNA_F

ClientSampled :

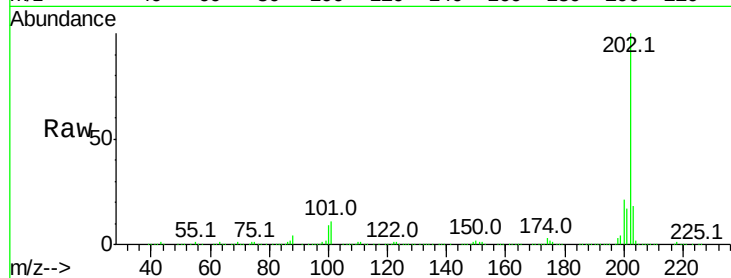
Tot Ion:202 Resp: 446059

Ion Ratio Lower Upper

202 100

200 21.4 15.0 22.4

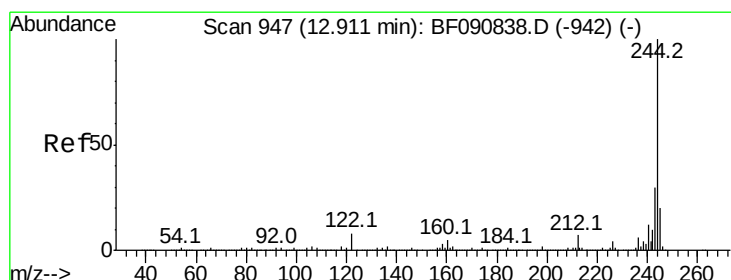
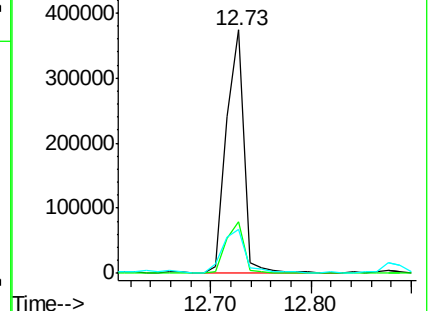
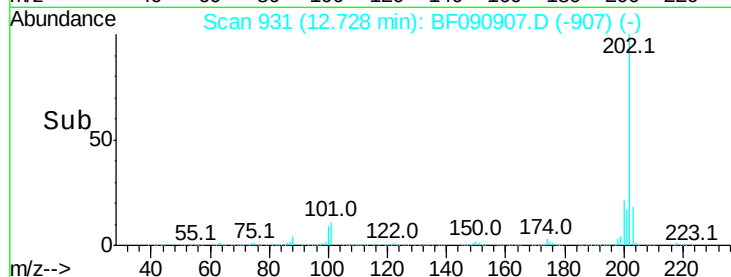
203 18.1 14.1 21.1



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: 5.96 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.03 min

Lab File: BF090907.D

Acq: 28 Oct 2016 13:54

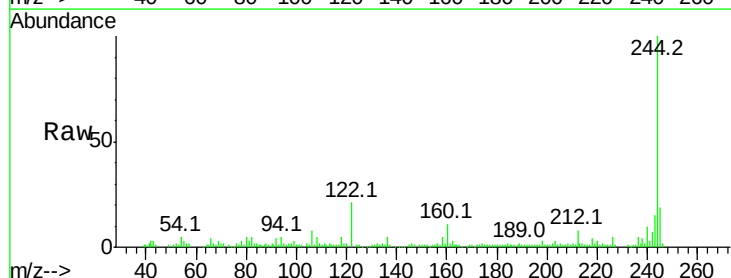
Tgt Ion:244 Resp: 106032

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

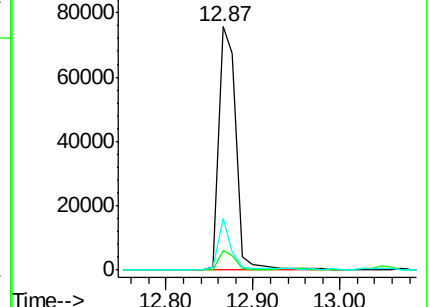
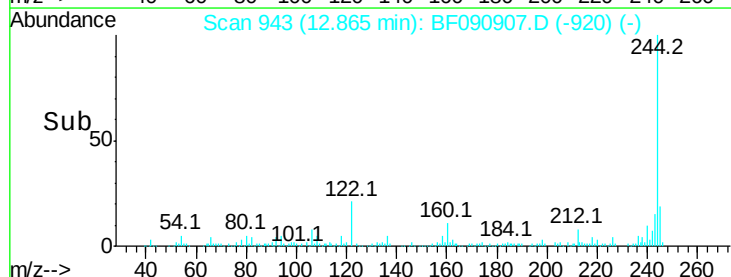
122 21.0 17.4 26.2

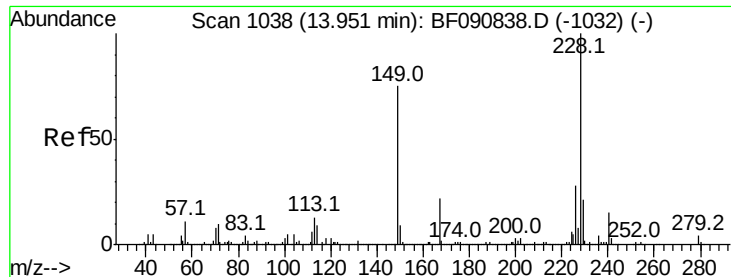


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

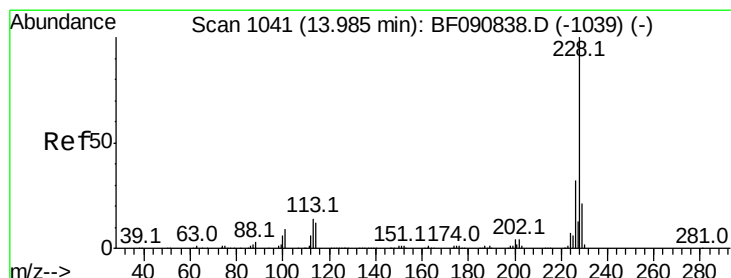
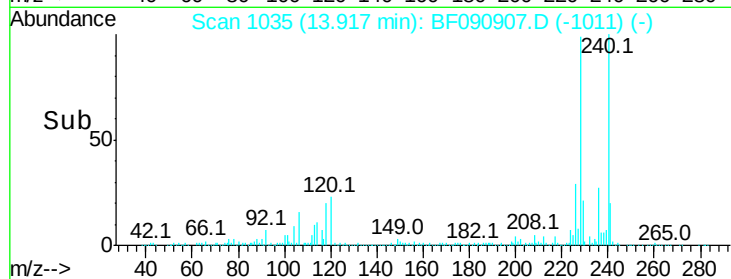
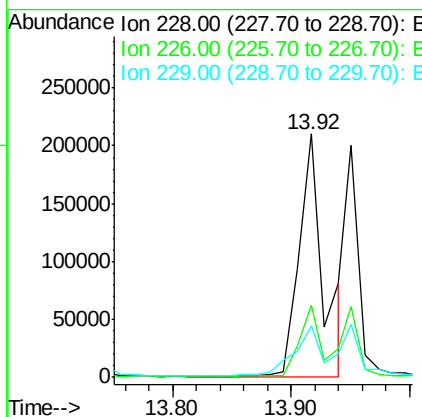
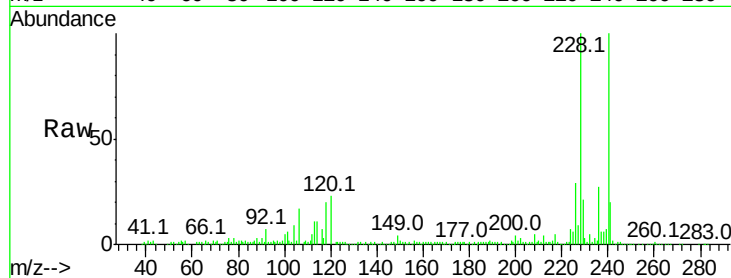




#80
Benzo(a)anthracene
Concen: 12.52 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

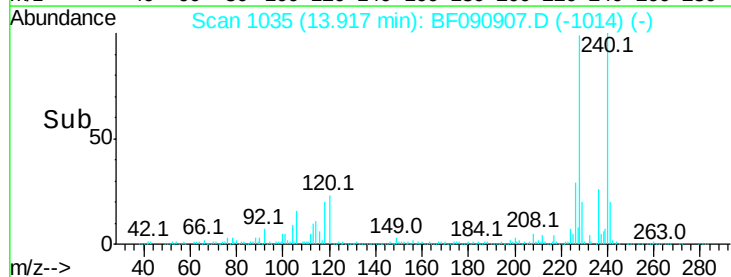
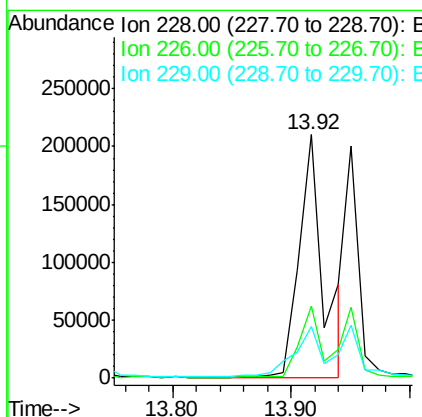
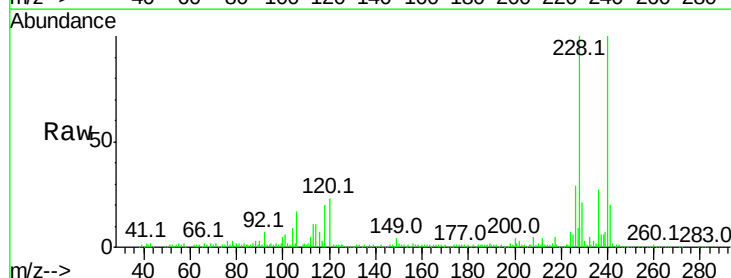
Instrument :
BNA_F
ClientSampleId :

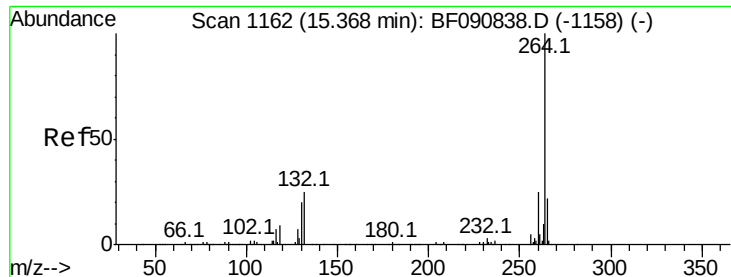
Tot Ion:228 Resp: 297774
Ion Ratio Lower Upper
228 100
226 29.4 20.0 30.0
229 21.5 15.4 23.2



#82
Chrysene
Concen: 12.38 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.06 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

Tgt Ion:228 Resp: 297774
Ion Ratio Lower Upper
228 100
226 29.4 21.0 31.4
229 21.5 15.6 23.4

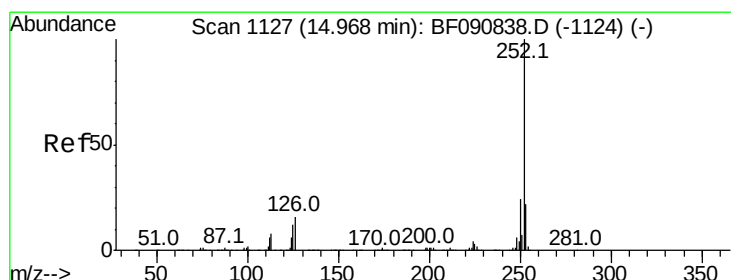
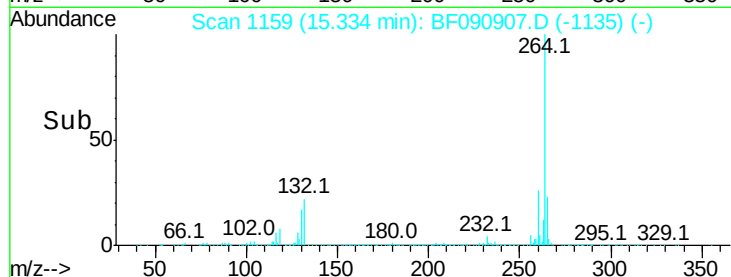
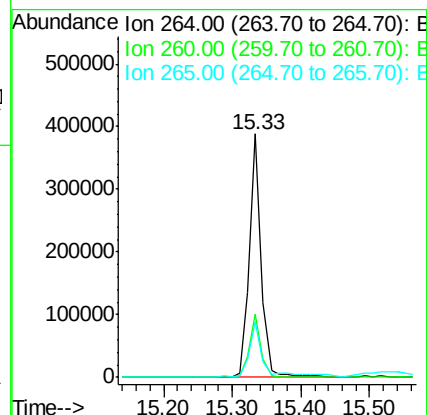
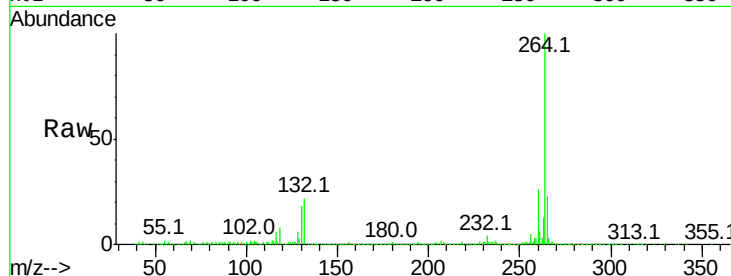




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

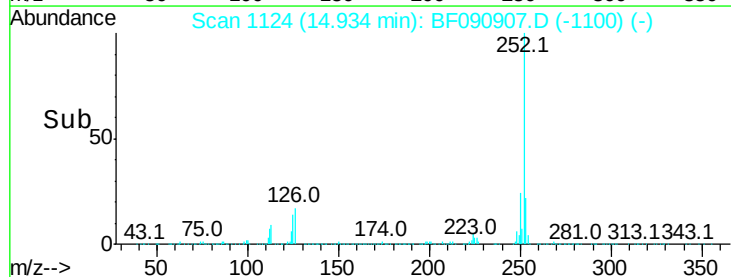
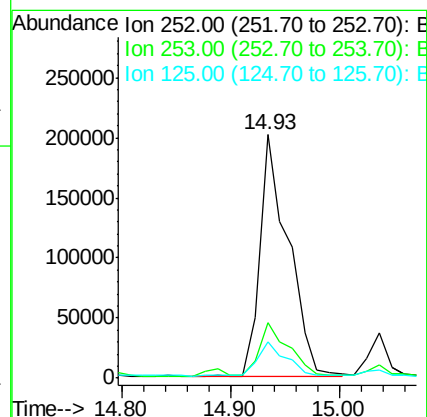
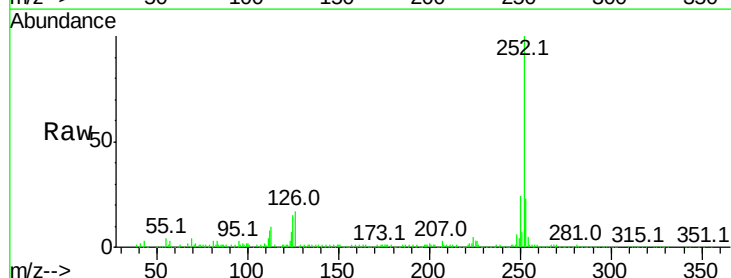
Instrument :
BNA_F
ClientSampled :

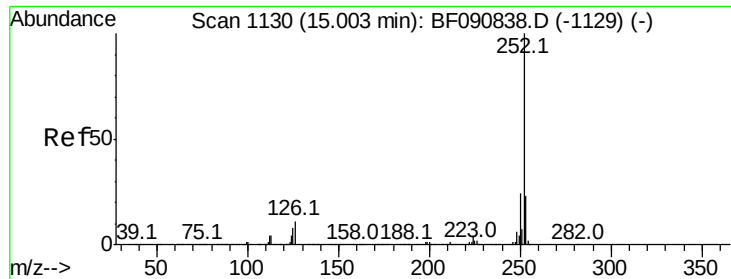
Tot Ion:264 Resp: 465498
Ion Ratio Lower Upper
264 100
260 25.7 16.7 25.1#
265 22.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 11.75 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

Tgt Ion:252 Resp: 367897
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 14.8 17.1 25.7#

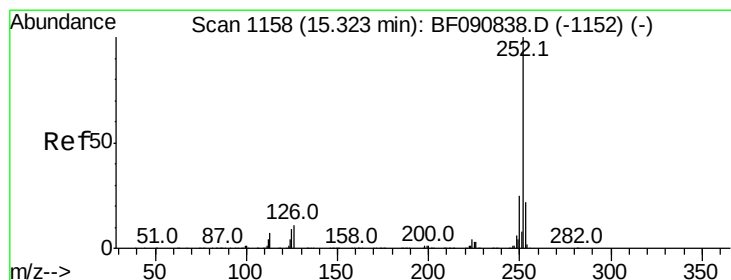
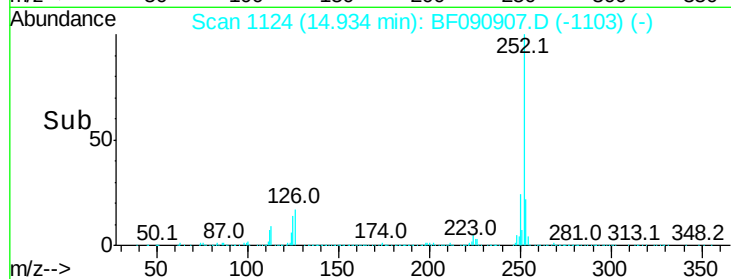
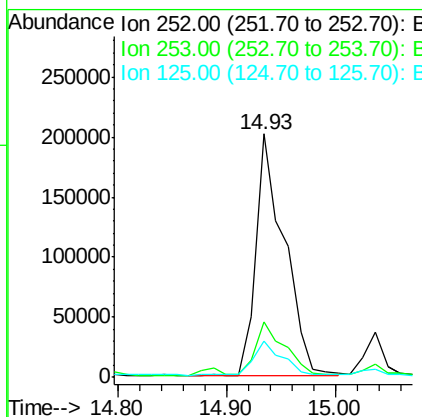
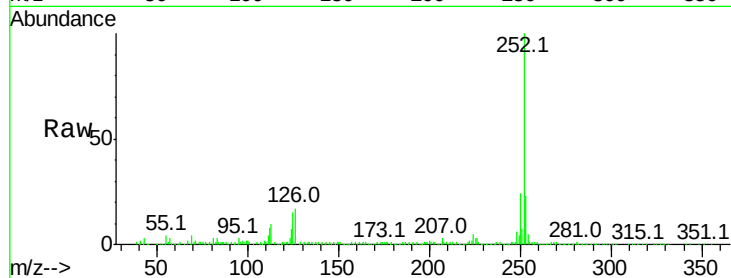




#88
Benzo(k)fluoranthene
Concen: 14.87 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.06 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

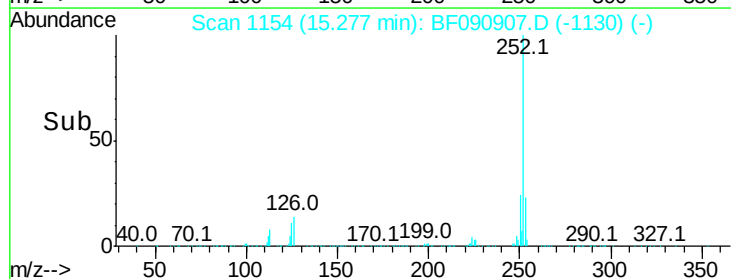
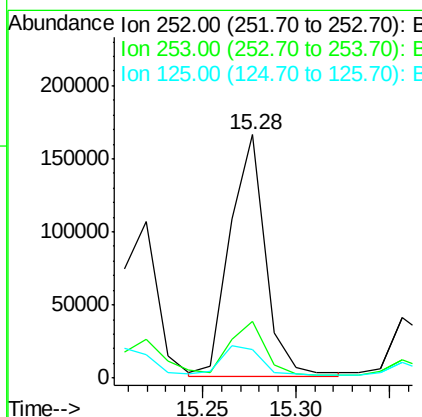
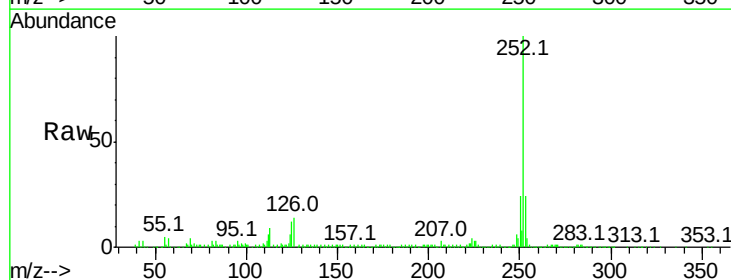
Instrument :
BNA_F
ClientSampleId :

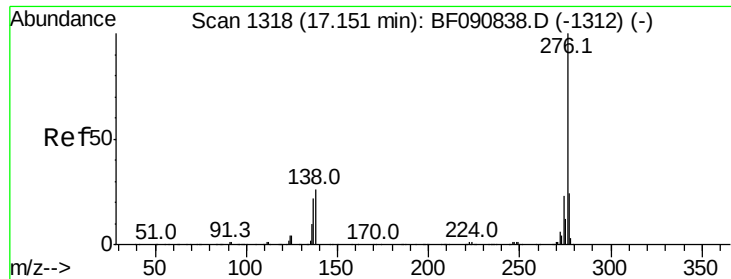
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.4
125	14.8	16.0	24.0



#89
Benzo(a)pyrene
Concen: 8.14 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF090907.D
Acq: 28 Oct 2016 13:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	11.7	18.0	27.0





#91
 Benzo(a,h,i)perylene
 Concen: 4.32 ng
 RT: 17.08 min Scan# 1312
 Delta R.T. -0.05 min
 Lab File: BF090907.D
 Acq: 28 Oct 2016 13:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.8	26.6
138	27.5	34.6	51.8

