

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099008.D
 Acq On : 2 Oct 2017 19:11
 Operator : SJ/JU
 Sample : I5531-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:00:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	132389	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	514454	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	204632	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	301152	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	239288	20.00	ng	-0.02
86) Perylene-d12	15.56	264	260693	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	948366	114.04	ng	-0.01
7) Phenol-d6	6.53	99	1102723	107.49	ng	-0.01
23) Nitrobenzene-d5	7.46	82	687453	85.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	165033	98.56	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1049778	85.64	ng	-0.02
78) Terphenyl-d14	13.01	244	623474	59.26	ng	-0.02

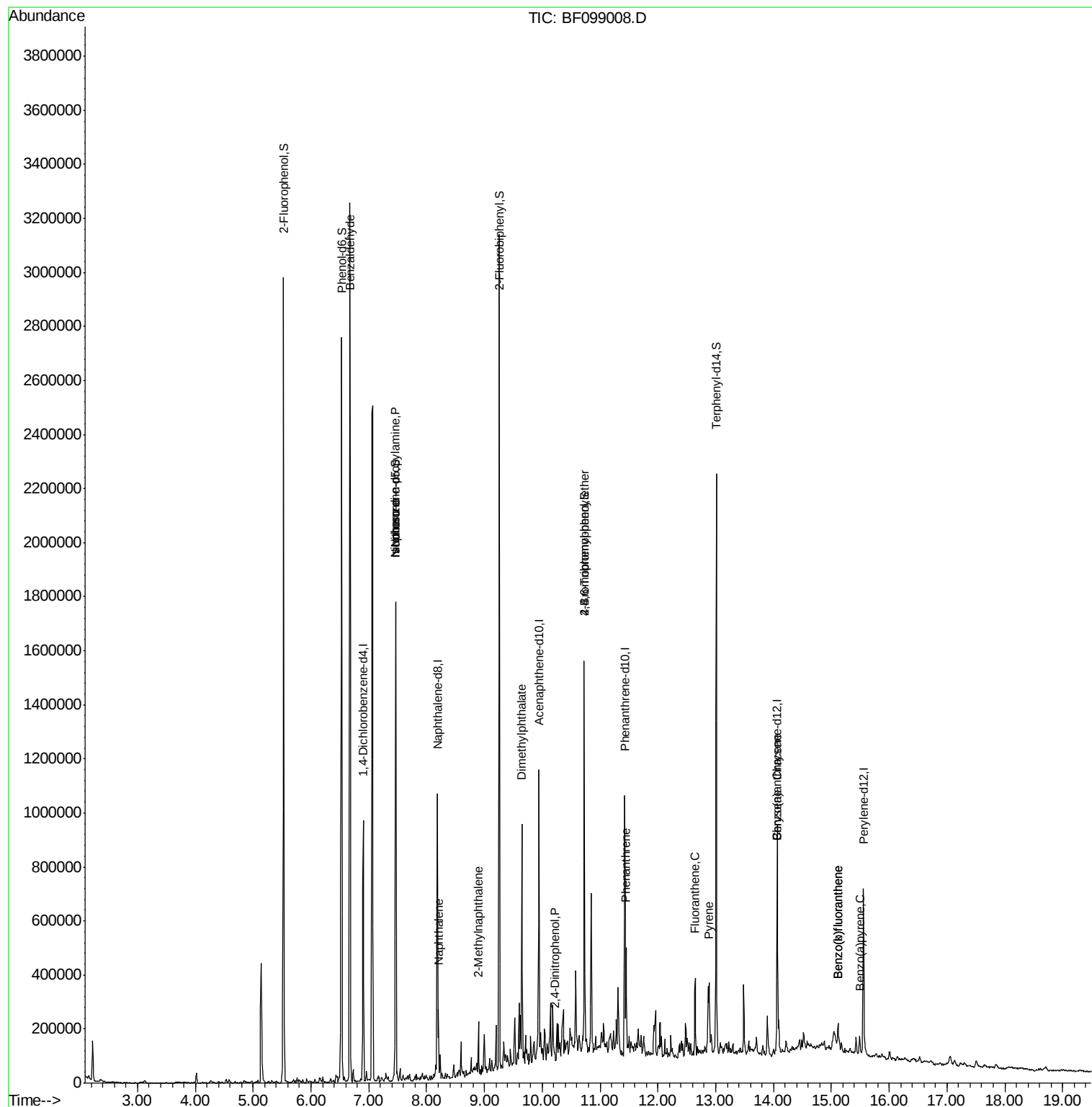
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	18647	3.13	ng	86
19) n-Nitroso-di-n-propylamine	7.46	70	90075	13.75	ng	# 77
25) Isophorone	7.46	82	681417	41.08	ng	# 64
31) Naphthalene	8.20	128	88880	3.68	ng	99
37) 2-Methylnaphthalene	8.90	142	56293	3.58	ng	99
49) Dimethylphthalate	9.65	163	222369	14.40	ng	99
53) 2,4-Dinitrophenol	10.22	184	1002	6.36	ng	# 41
66) 4-Bromophenyl-phenylether	10.73	248	11092	3.76	ng	# 1
70) Phenanthrene	11.45	178	129087	8.01	ng	97
74) Fluoranthene	12.65	202	92891	5.69	ng	97
77) Pyrene	12.87	202	78474	4.30	ng	99
80) Benzo(a)anthracene	14.06	228	41170	2.84	ng	95
82) Chrysene	14.06	228	41170	2.98	ng	93
87) Benzo(b)fluoranthene	15.12	252	60155	3.75	ng	# 92
88) Benzo(k)fluoranthene	15.12	252	60155	3.80	ng	# 95
89) Benzo(a)pyrene	15.49	252	30877	2.10	ng	# 93

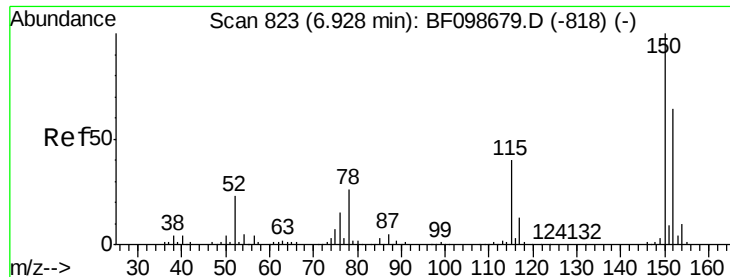
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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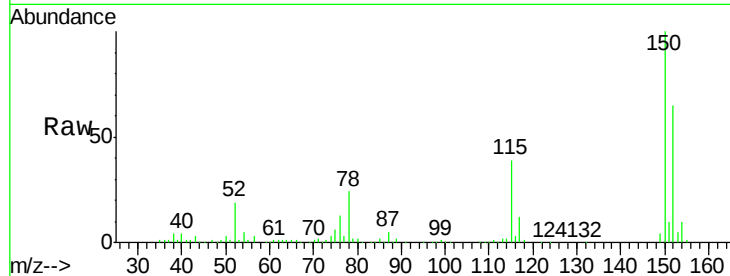


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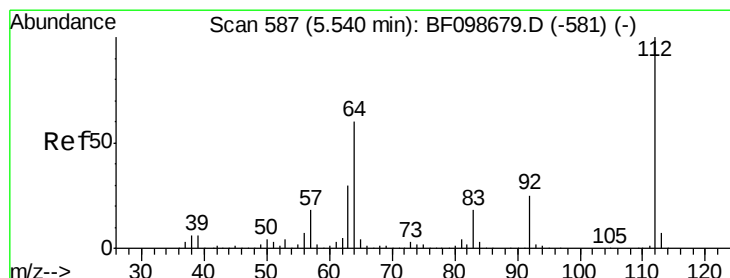
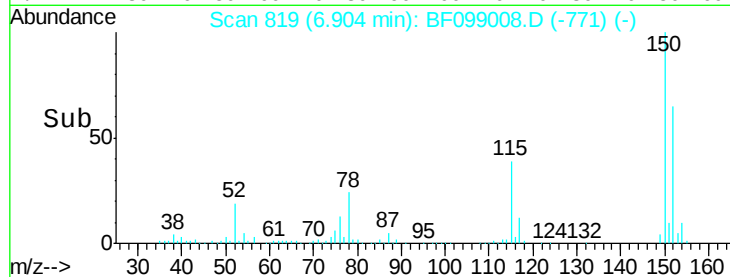
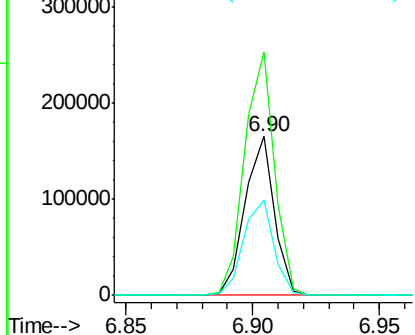
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF099008.D
 Acq: 2 Oct 2017 19:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 132389
 Ion Ratio Lower Upper
 152 100
 150 153.2 124.6 186.8
 115 59.8 50.1 75.1



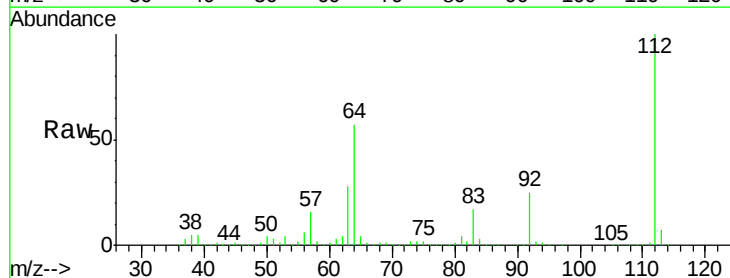
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



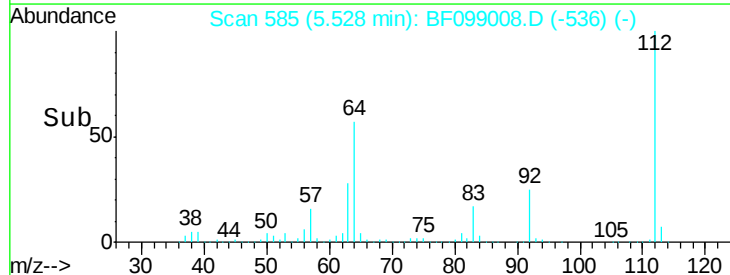
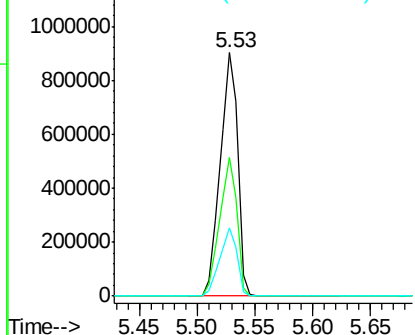
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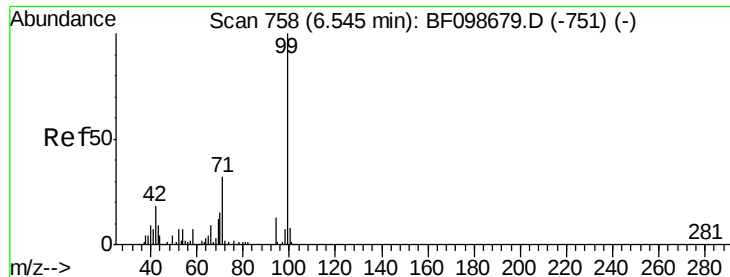
2-Fluorophenol
 Concen: 114.04 ng
 RT: 5.53 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF099008.D
 Acq: 2 Oct 2017 19:11

Tgt Ion:112 Resp: 948366
 Ion Ratio Lower Upper
 112 100
 64 57.1 47.9 71.9
 63 27.9 23.7 35.5



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: 107.49 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Instrument :

BNA_F

ClientSampled :

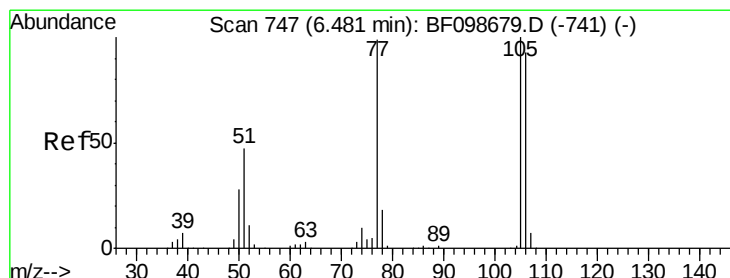
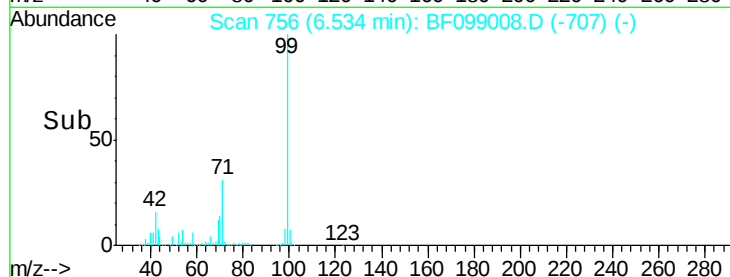
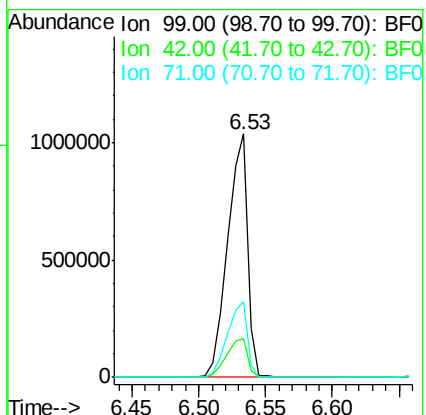
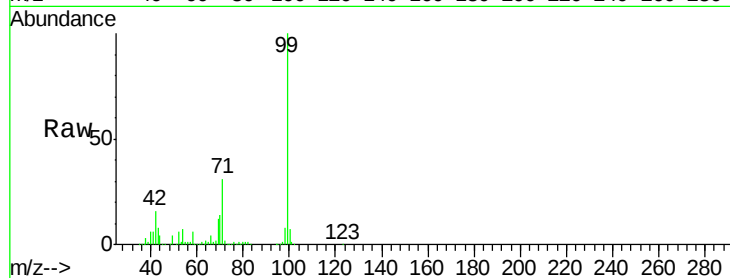
Tot Ion: 99 Resp: 1102723

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

71 31.1 25.4 38.0



#9

Benzaldehyde

Concen: 3.13 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.20 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

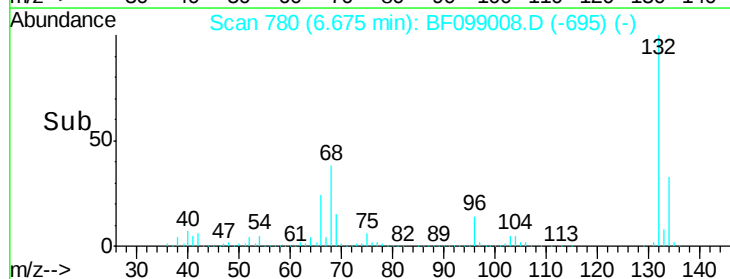
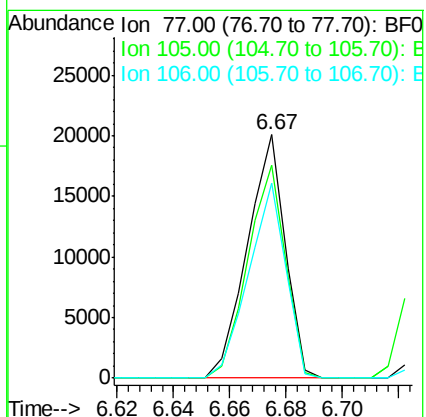
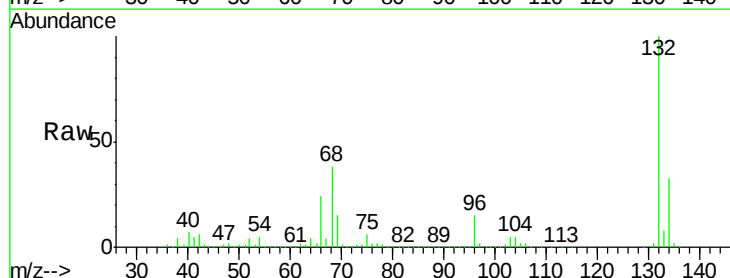
Tgt Ion: 77 Resp: 18647

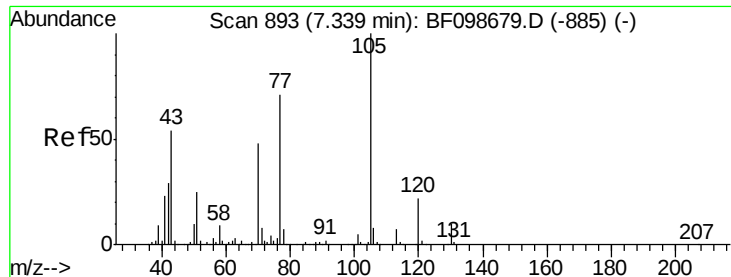
Ion Ratio Lower Upper

77 100

105 87.3 81.1 121.1

106 79.9 74.5 114.5

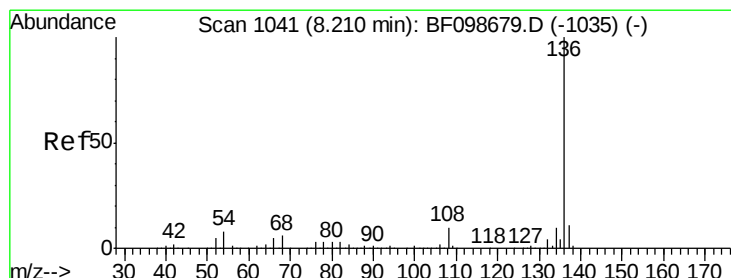
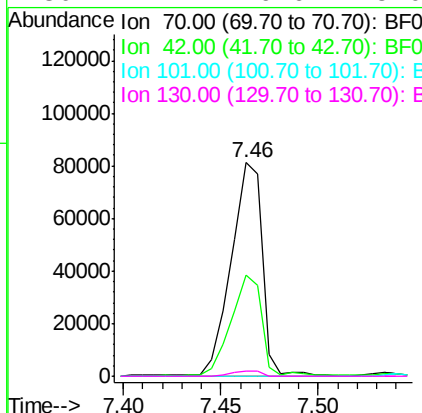
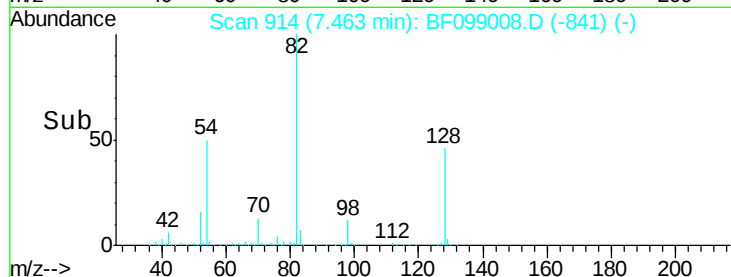
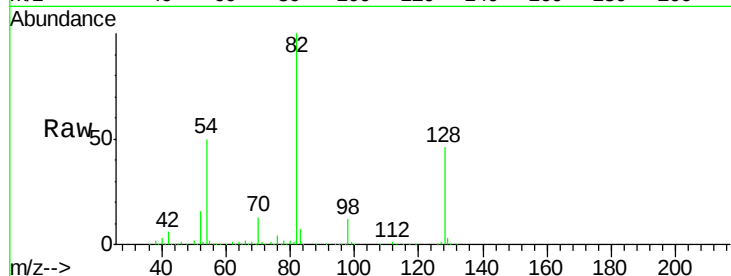




#19
n-Nitroso-di-n-propylamine
Concen: 13.75 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.13 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

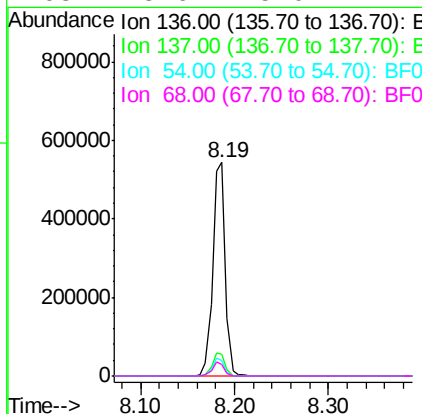
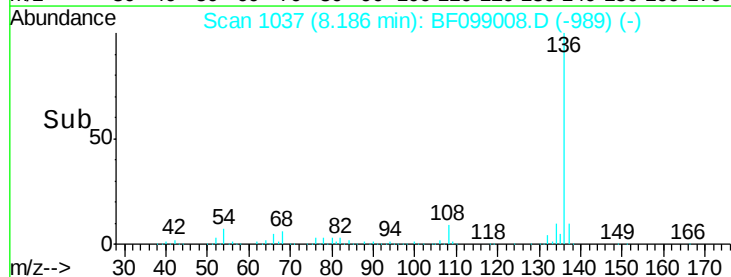
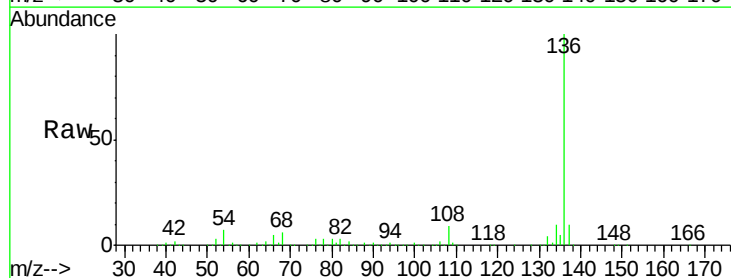
Instrument :
BNA_F
ClientSampleId :

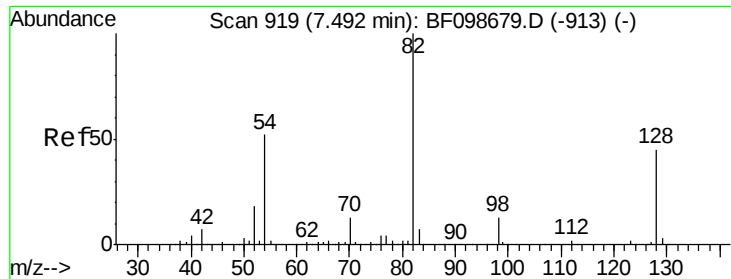
Tot Ion: 70 Resp: 90075
Ion Ratio Lower Upper
70 100
42 47.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Tgt Ion: 136 Resp: 514454
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 7.0 6.6 9.8
68 5.6 5.0 7.4

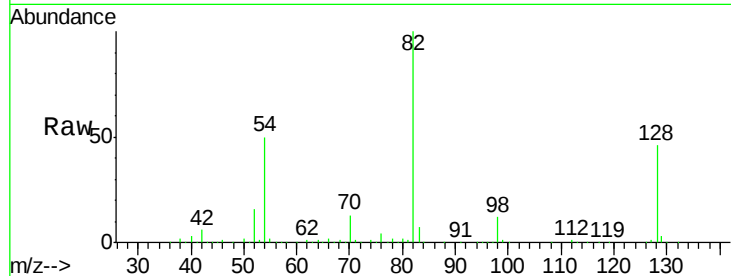




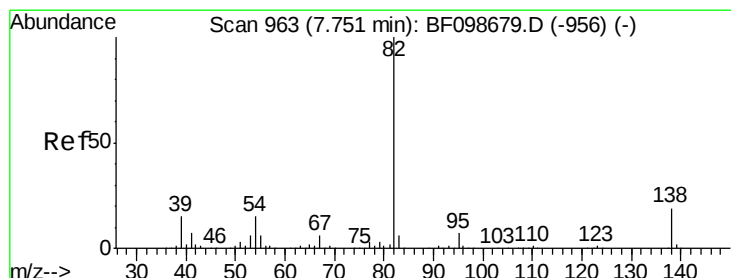
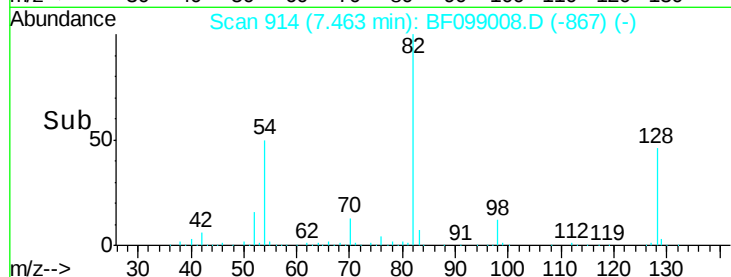
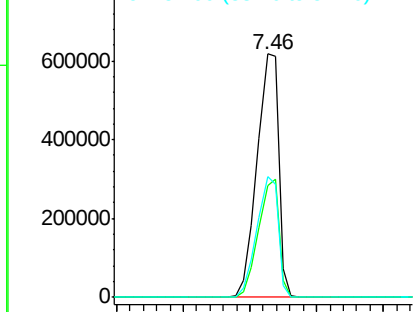
#23
 Nitrobenzene-d5
 Concen: 85.70 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.02 min
 Lab File: BF099008.D
 Acq: 2 Oct 2017 19:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 687453
 Ion Ratio Lower Upper
 82 100
 128 46.2 36.1 54.1
 54 49.7 41.4 62.2

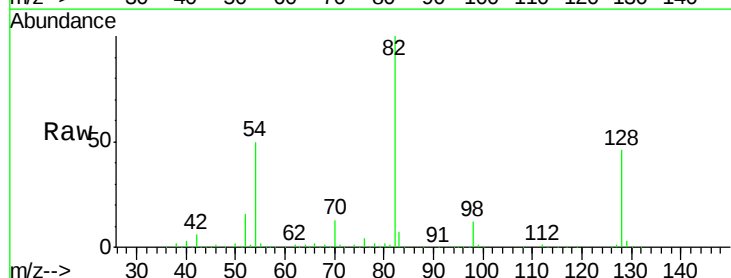


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

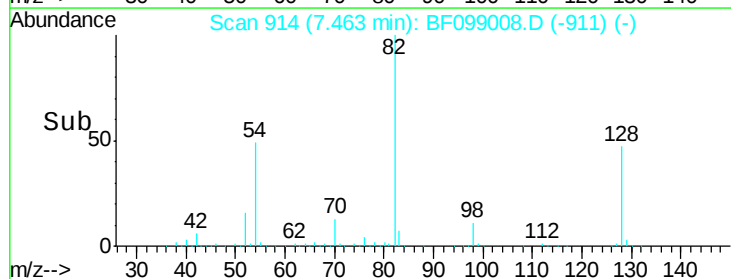
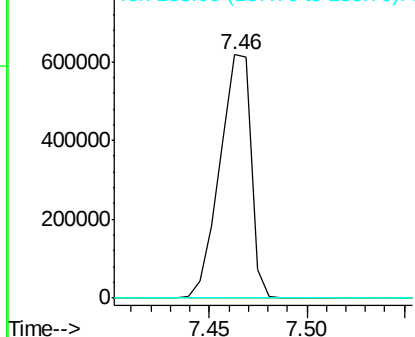


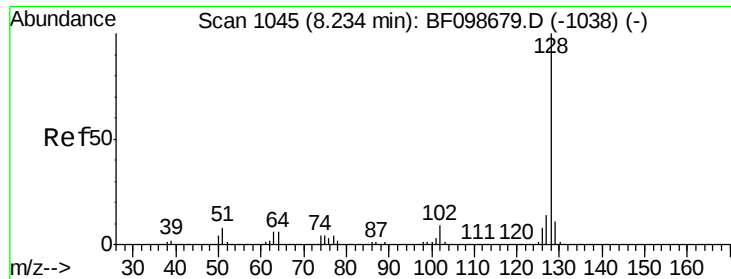
#25
 Isophorone
 Concen: 41.08 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.28 min
 Lab File: BF099008.D
 Acq: 2 Oct 2017 19:11

Tgt Ion: 82 Resp: 681417
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

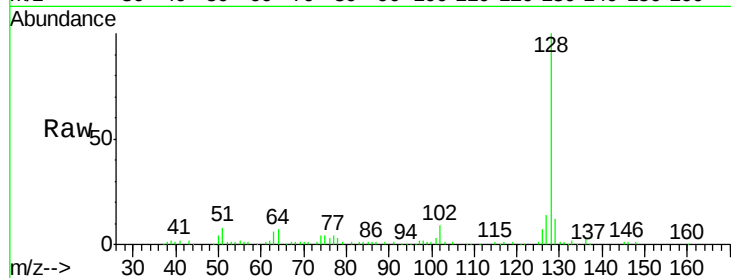




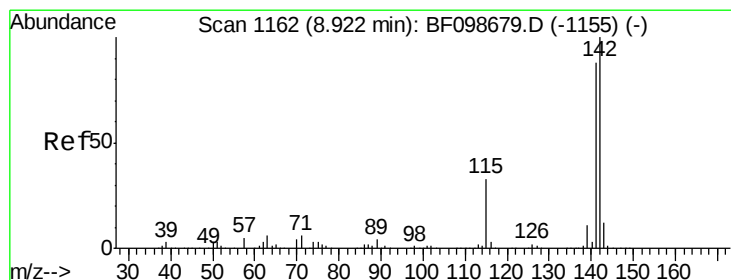
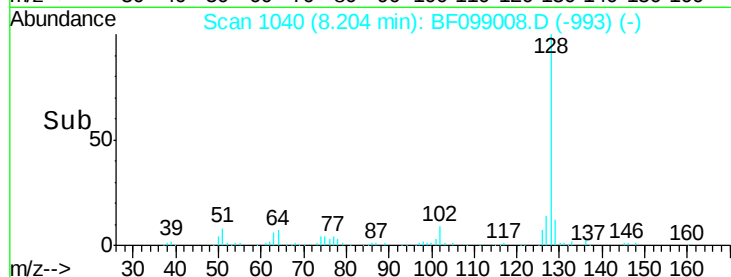
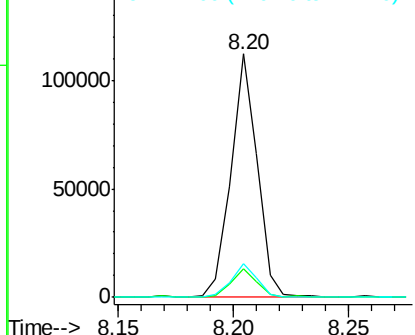
#31
Naphthalene
Concen: 3.68 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Instrument :
BNA_F
ClientSampleID :

Tot Ion:128 Resp: 88880
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.7 10.9 16.3

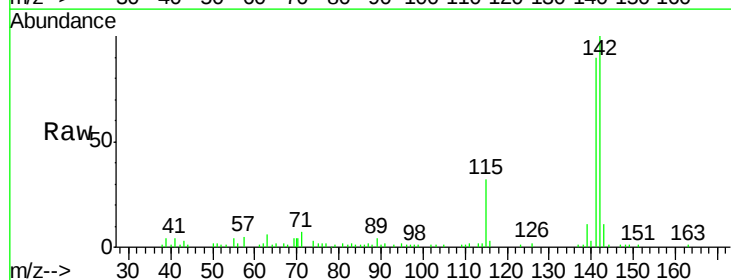


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

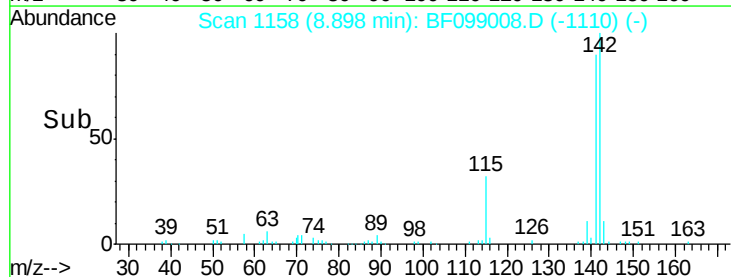
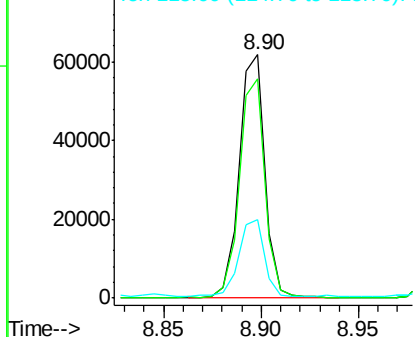


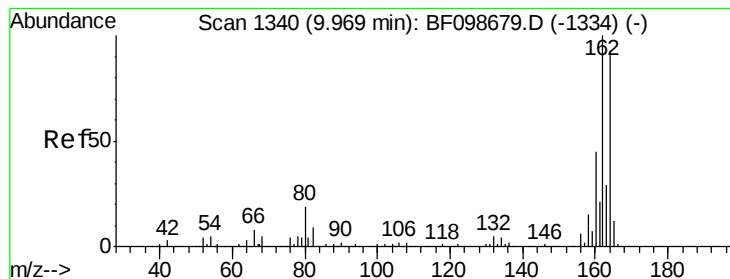
#37
2-Methylnaphthalene
Concen: 3.58 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Tgt Ion:142 Resp: 56293
Ion Ratio Lower Upper
142 100
141 90.1 70.8 106.2
115 32.3 26.1 39.1



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: 9.94 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Instrument :

BNA_F

ClientSampleId :

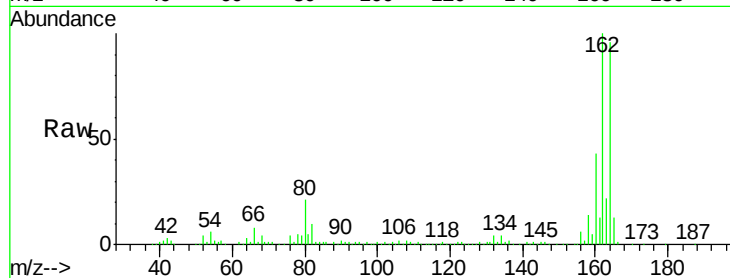
Tot Ion:164 Resp: 204632

Ion Ratio Lower Upper

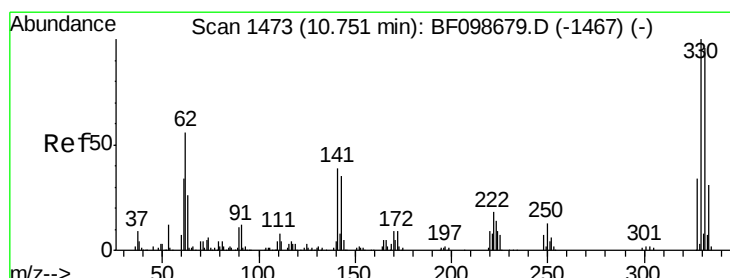
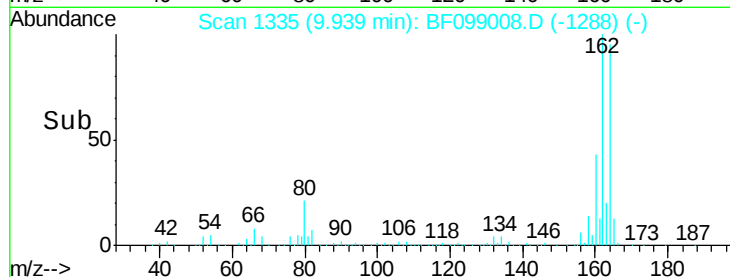
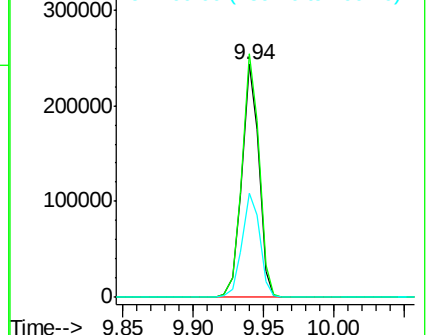
164 100

162 104.5 86.1 129.1

160 44.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 98.56 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

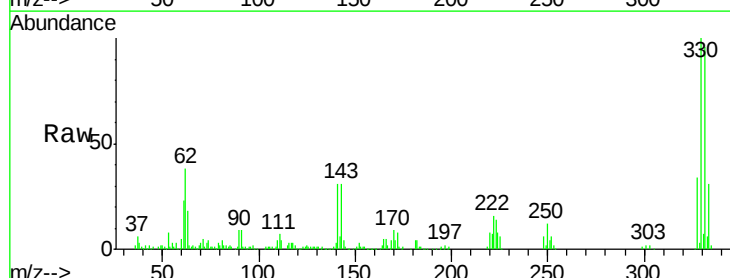
Tgt Ion:330 Resp: 165033

Ion Ratio Lower Upper

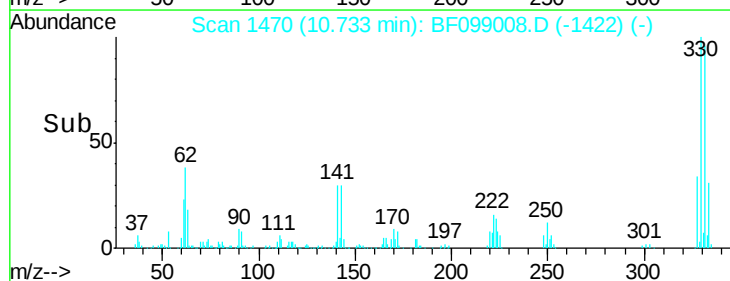
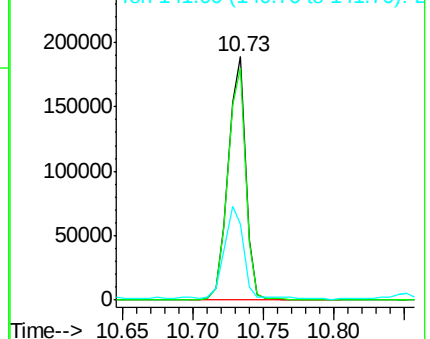
330 100

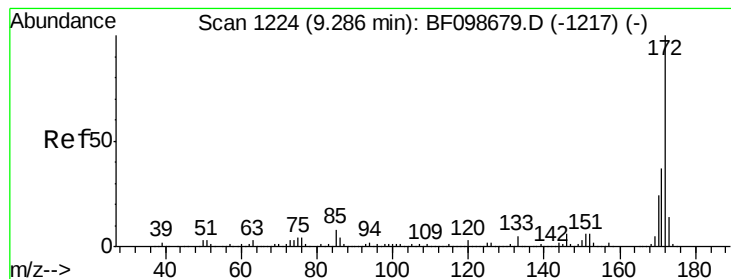
332 97.1 77.0 115.6

141 41.1 29.9 44.9



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: 85.64 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

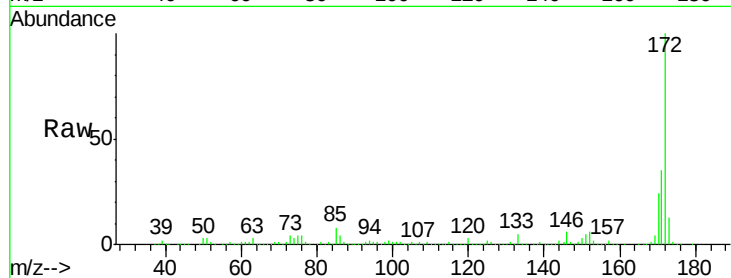
Instrument :

BNA_F

ClientSampled :

Tot Ion:172 Resp: 1049778

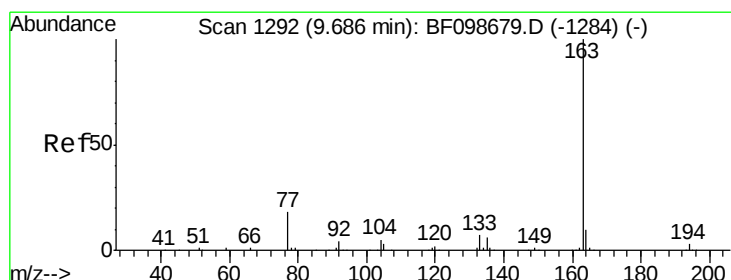
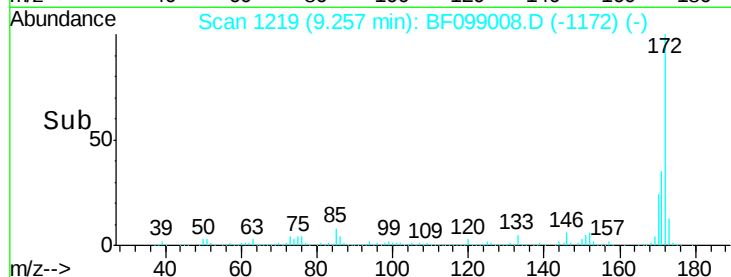
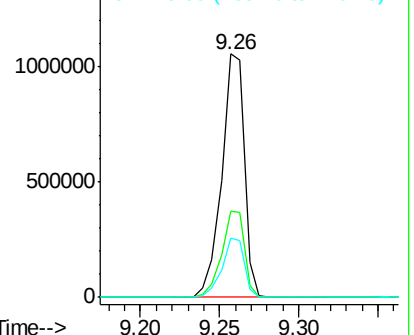
Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.1	19.6	29.4



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: 14.40 ng

RT: 9.65 min Scan# 1286

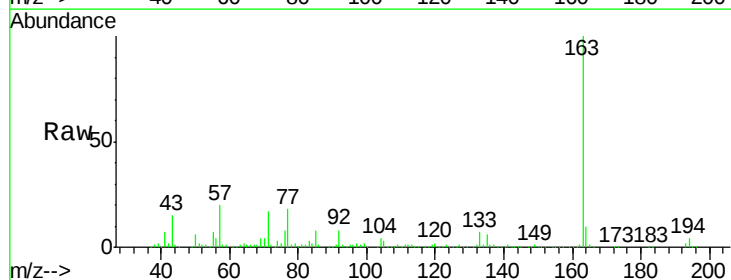
Delta R.T. -0.03 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Tgt Ion:163 Resp: 222369

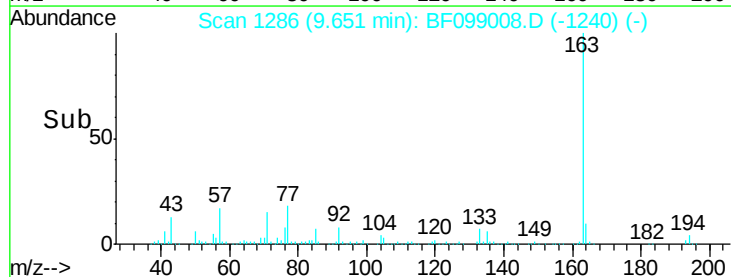
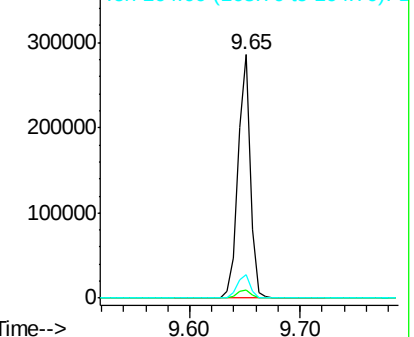
Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.7	8.2	12.2

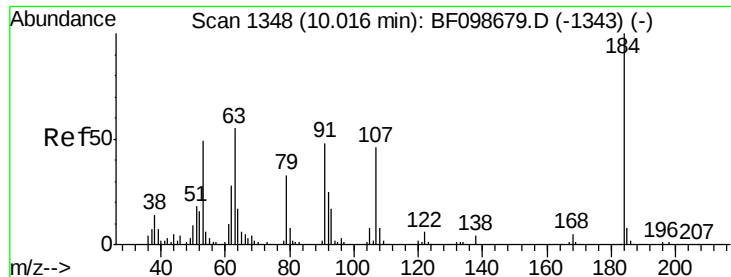


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

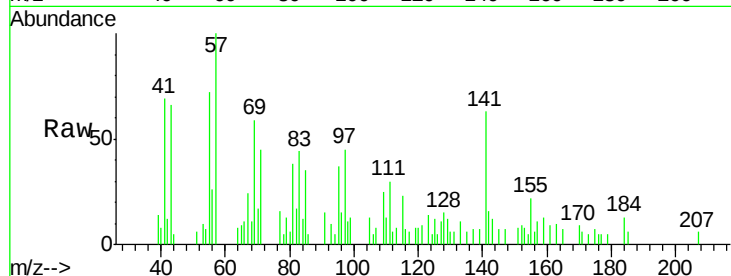




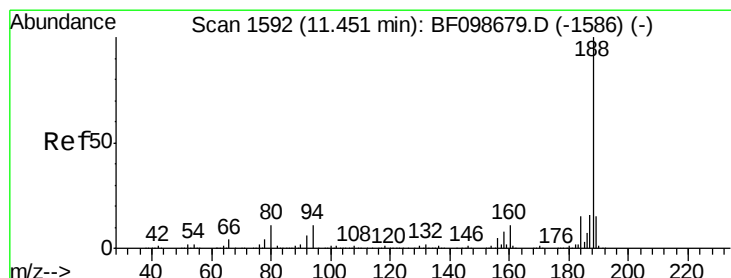
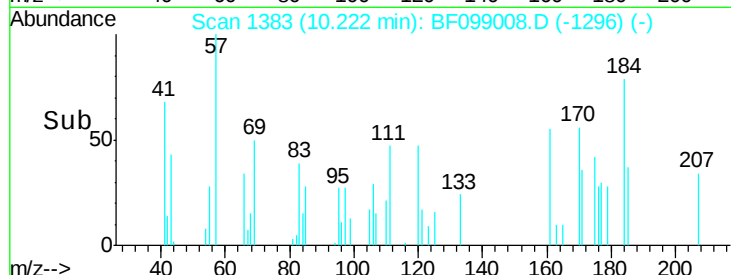
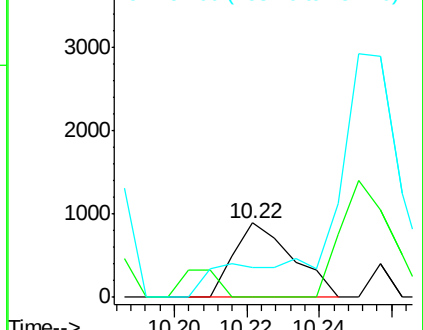
#53
 2,4-Dinitrophenol
 Concen: 6.36 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.21 min
 Lab File: BF099008.D
 Acq: 2 Oct 2017 19:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:184 Resp: 1002
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 40.0 53.5 80.3#

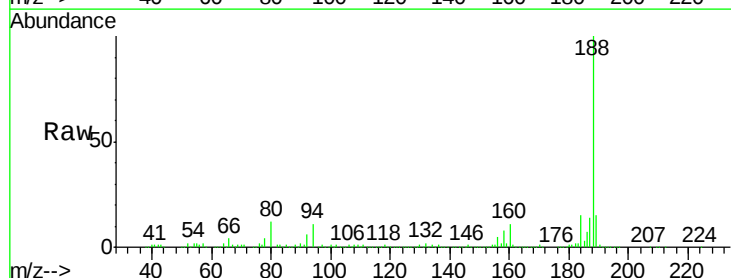


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

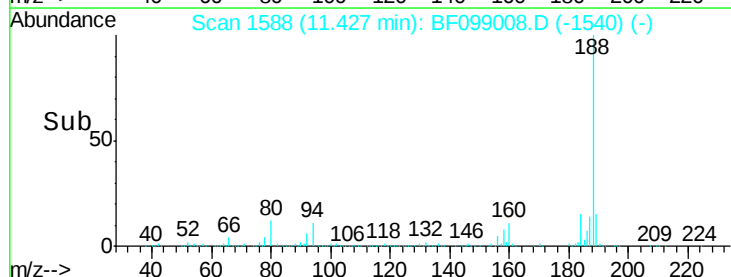
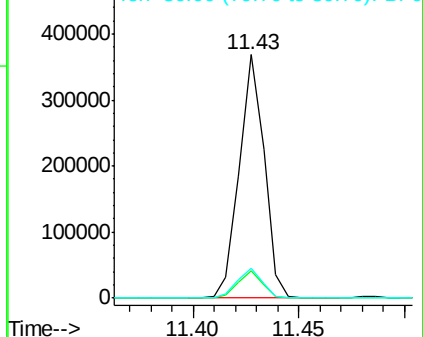


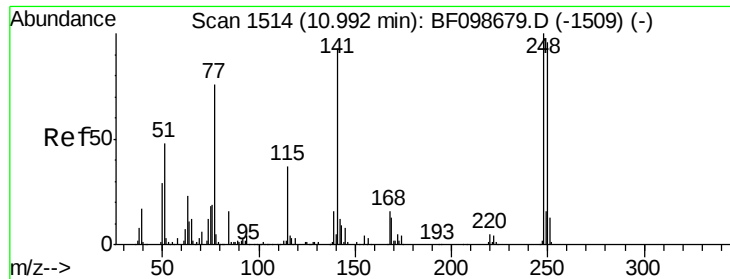
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.02 min
 Lab File: BF099008.D
 Acq: 2 Oct 2017 19:11

Tgt Ion:188 Resp: 301152
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.1 9.2 13.8



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

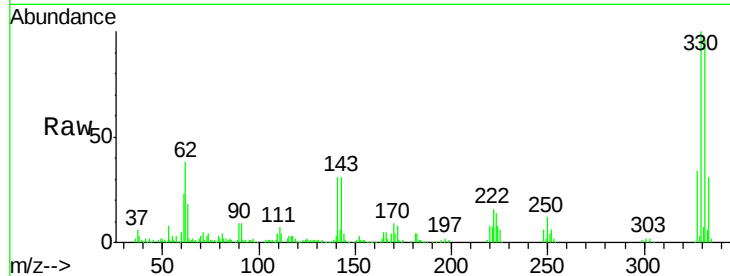




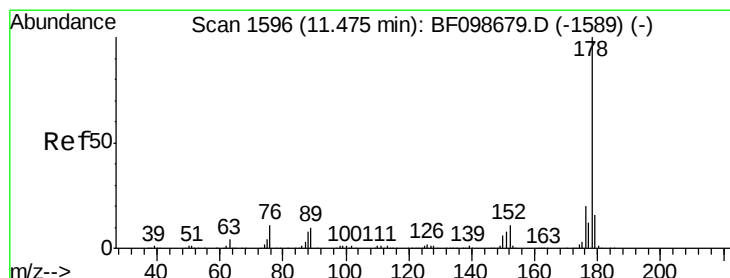
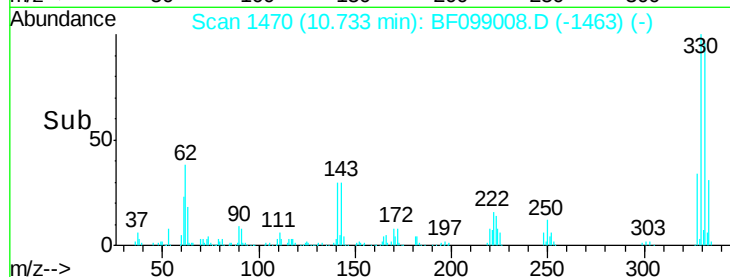
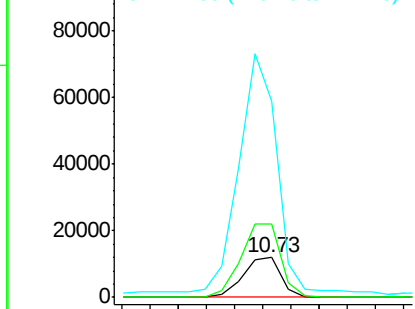
#66
4-Bromophenyl-phenylether
Concen: 3.76 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.26 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11092
Ion Ratio Lower Upper
248 100
250 183.5 76.9 115.3#
141 494.8 74.4 111.6#

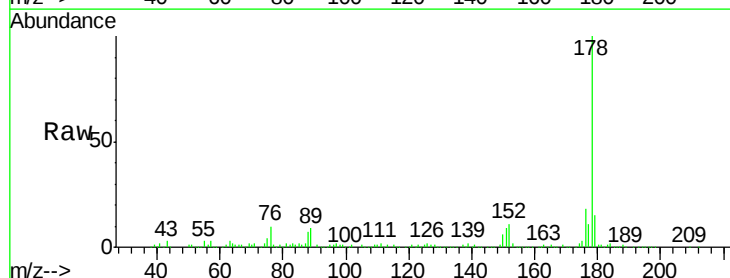


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

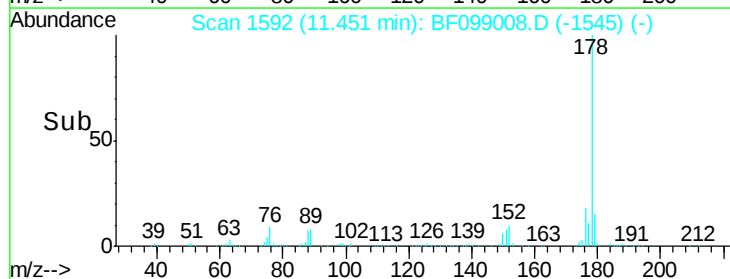
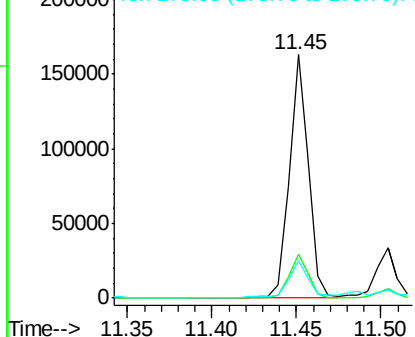


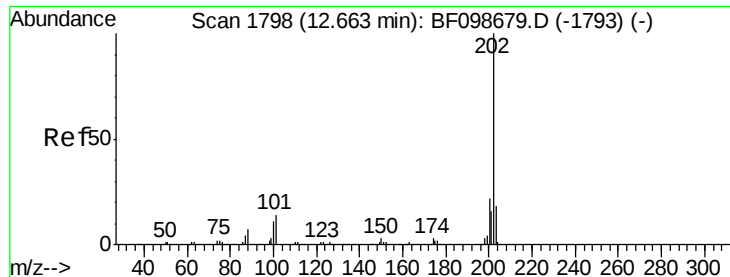
#70
Phenanthrene
Concen: 8.01 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.02 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Tgt Ion:178 Resp: 129087
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.8
179 15.5 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: 5.69 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Instrument :

BNA_F

ClientSampleId :

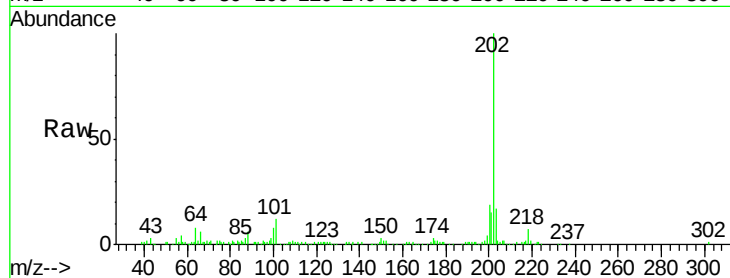
Tot Ion:202 Resp: 92891

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

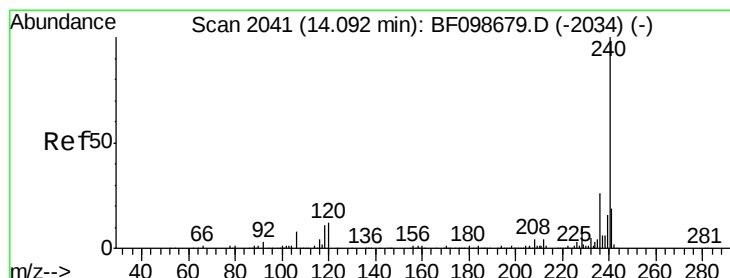
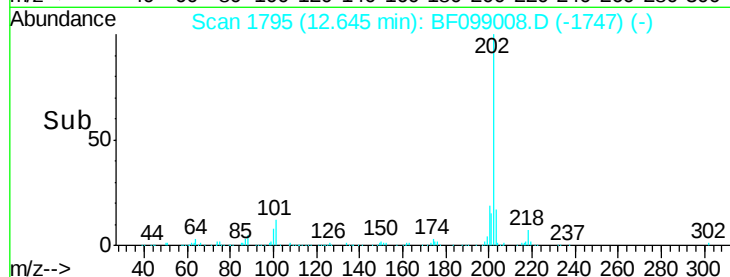
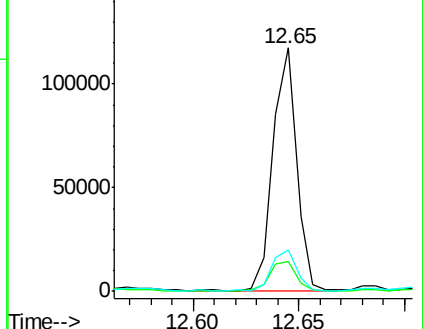
203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

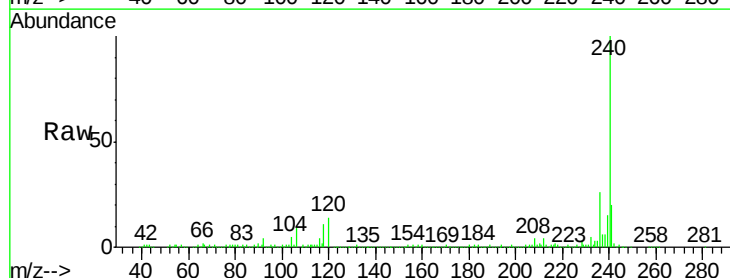
Tgt Ion:240 Resp: 239288

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

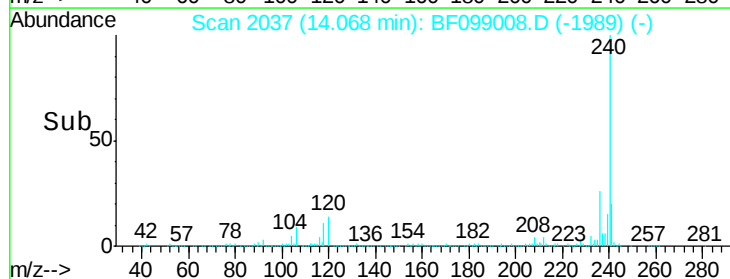
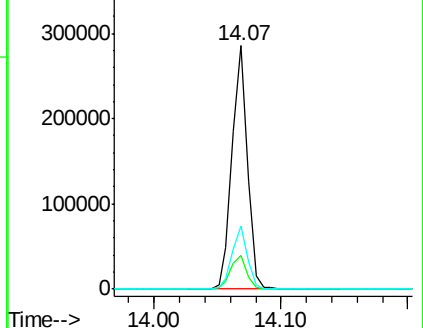
236 25.7 20.7 31.1

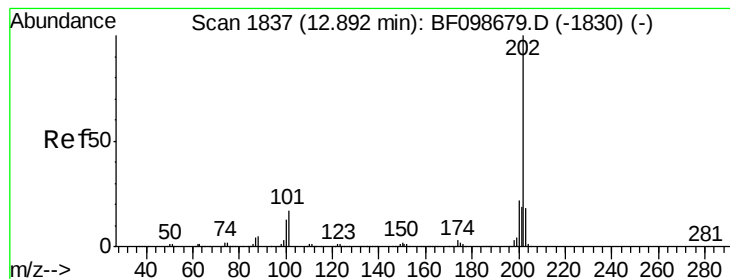


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.30 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Instrument :

BNA_F

ClientSampleId :

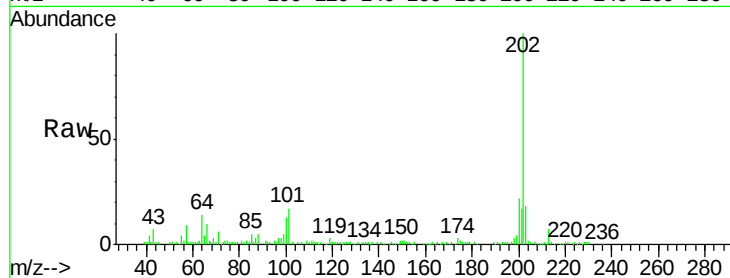
Tot Ion:202 Resp: 78474

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

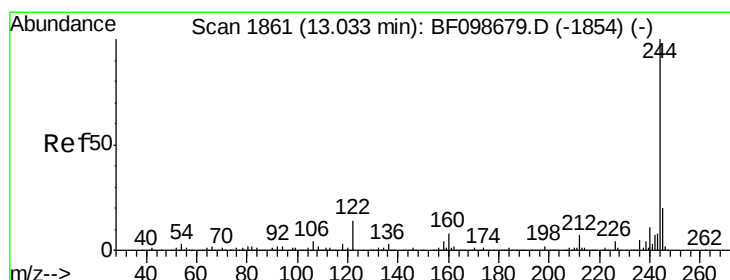
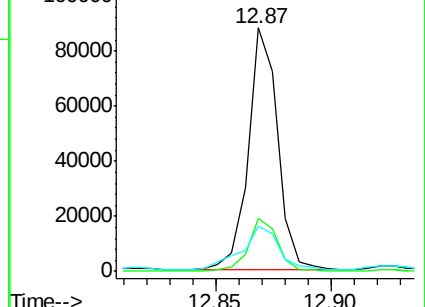
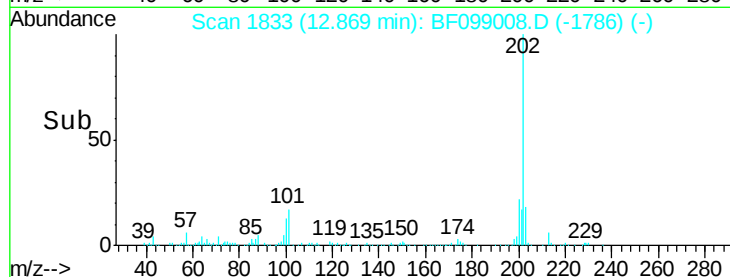
203 18.3 14.3 21.5



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: 59.26 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

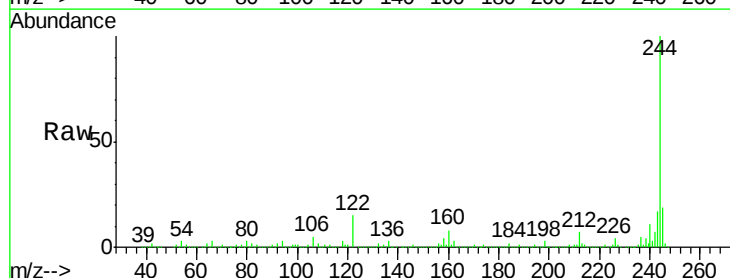
Tgt Ion:244 Resp: 623474

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

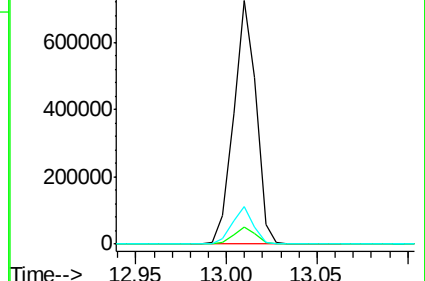
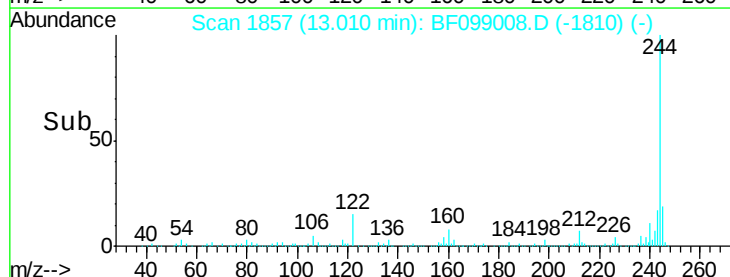
122 15.4 11.0 16.4

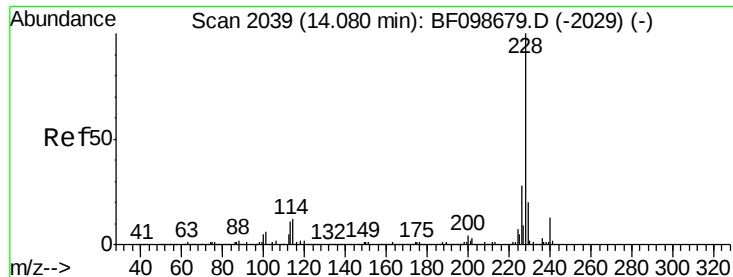


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.84 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

Instrument :

BNA_F

ClientSampleId :

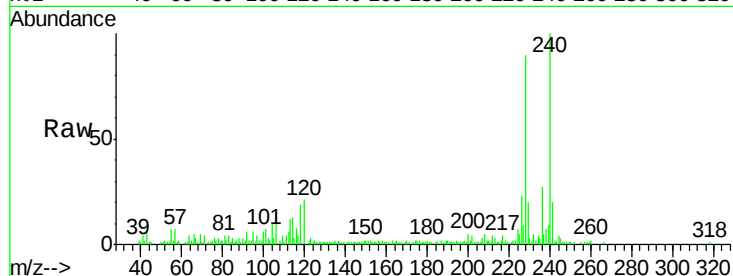
Tot Ion:228 Resp: 41170

Ion Ratio Lower Upper

228 100

226 26.0 22.6 33.8

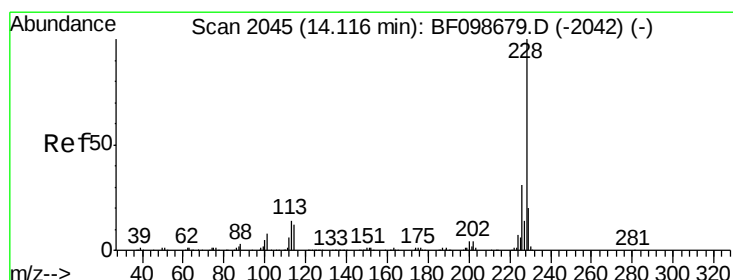
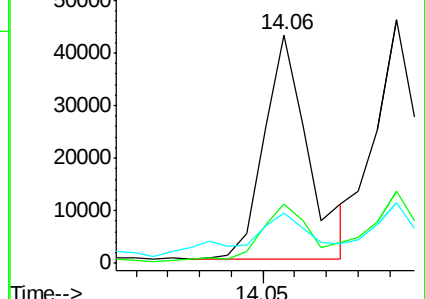
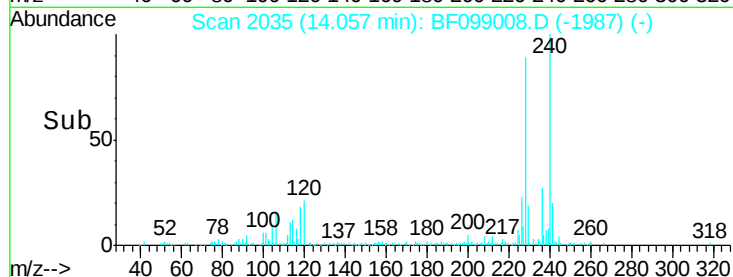
229 22.3 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.98 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.06 min

Lab File: BF099008.D

Acq: 2 Oct 2017 19:11

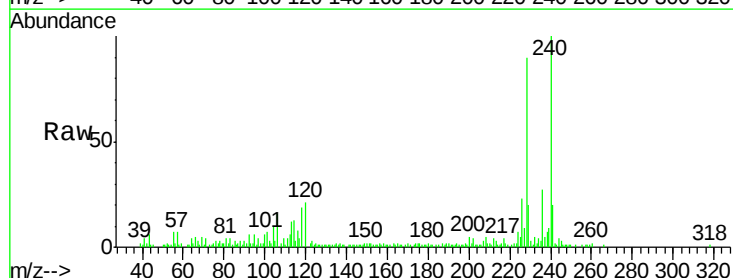
Tgt Ion:228 Resp: 41170

Ion Ratio Lower Upper

228 100

226 26.0 25.0 37.6

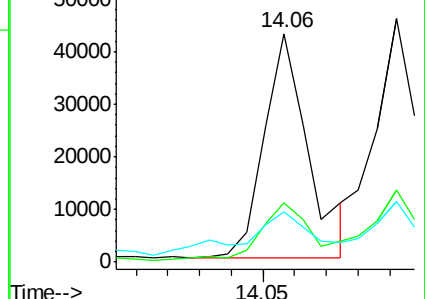
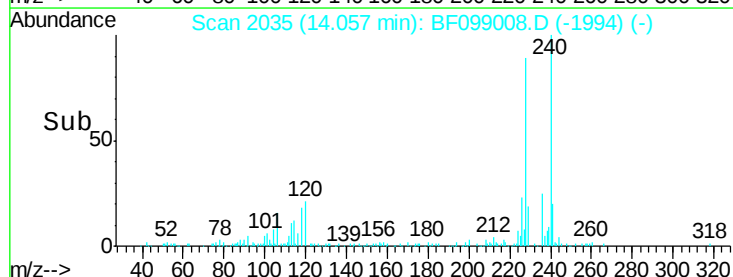
229 22.3 16.2 24.4

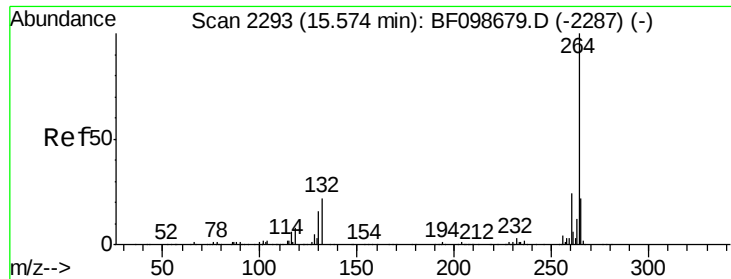


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

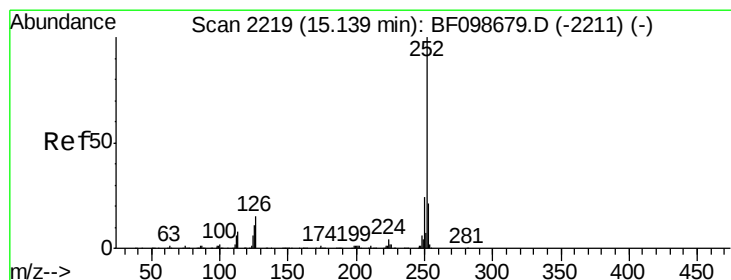
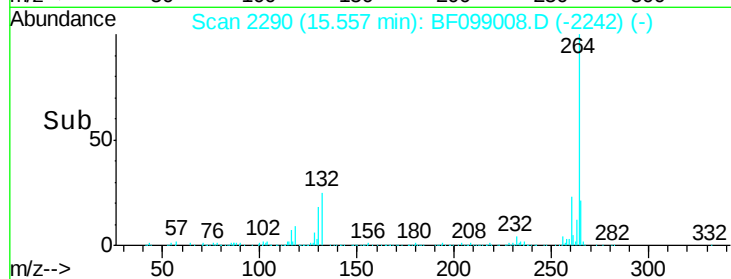
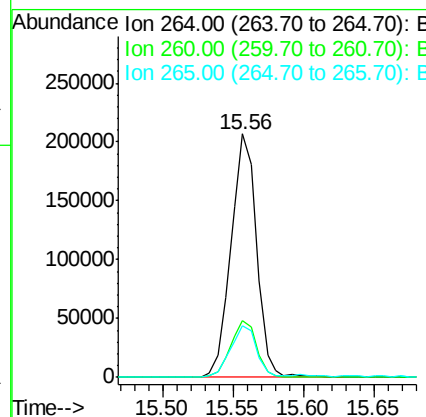
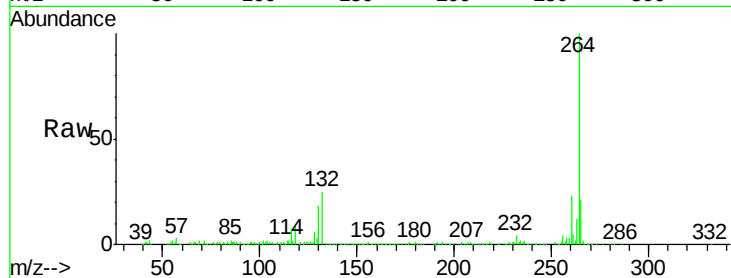




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.02 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

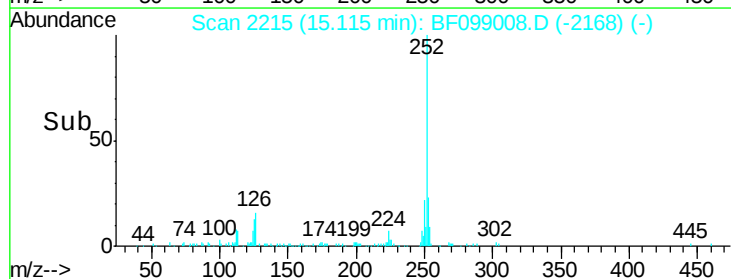
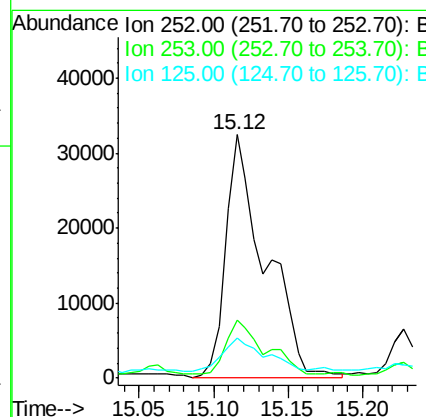
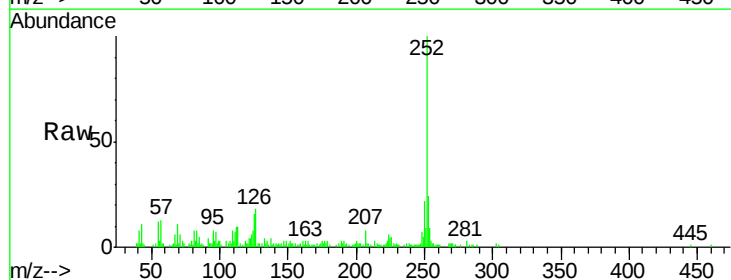
Instrument :
BNA_F
ClientSampleId :

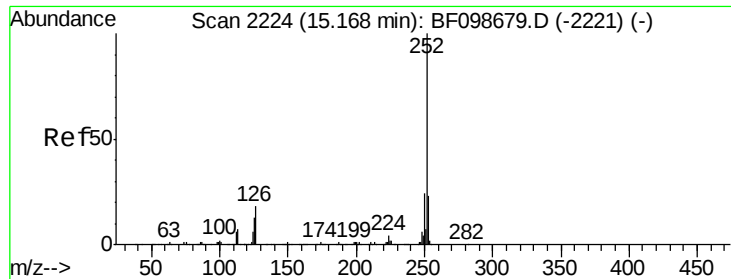
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.75 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	16.4	9.0	13.6

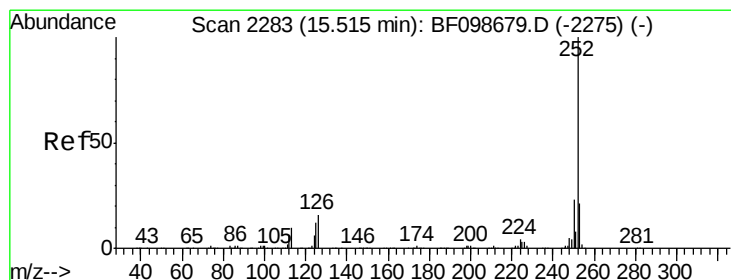
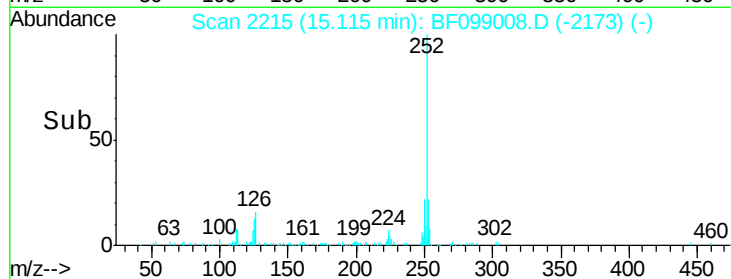
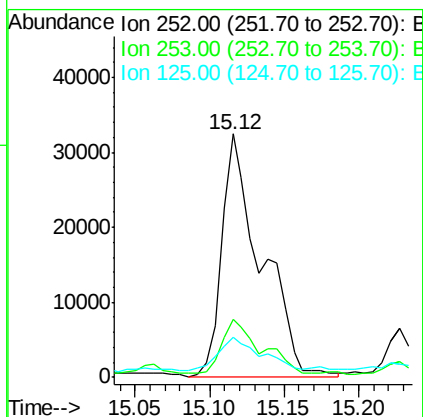
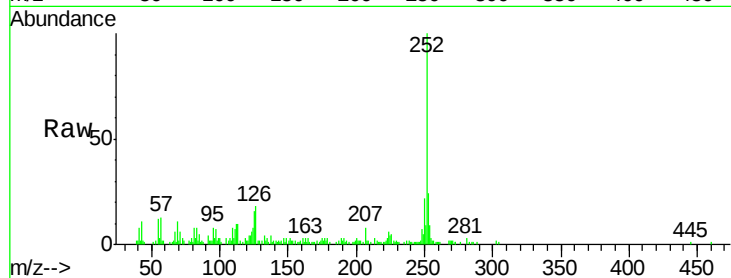




#88
Benzo(k)fluoranthene
Concen: 3.80 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.05 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 60155
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 16.4 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.10 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF099008.D
Acq: 2 Oct 2017 19:11

Tgt Ion:252 Resp: 30877
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 16.4 9.8 14.6#

