

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099196.D
 Acq On : 7 Oct 2017 16:07
 Operator : SJ/JU
 Sample : I5586-19 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:35:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	129972	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	502243	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	202664	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	297063	20.00	ng	0.00
75) Chrysene-d12	14.03	240	229373	20.00	ng	0.00
86) Perylene-d12	15.51	264	189583	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	378894	46.41	ng	0.00
7) Phenol-d6	6.49	99	451620	44.84	ng	0.00
23) Nitrobenzene-d5	7.43	82	259535	33.14	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	69124	41.68	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	496463	40.90	ng	-0.01
78) Terphenyl-d14	12.97	244	319600	31.69	ng	0.00

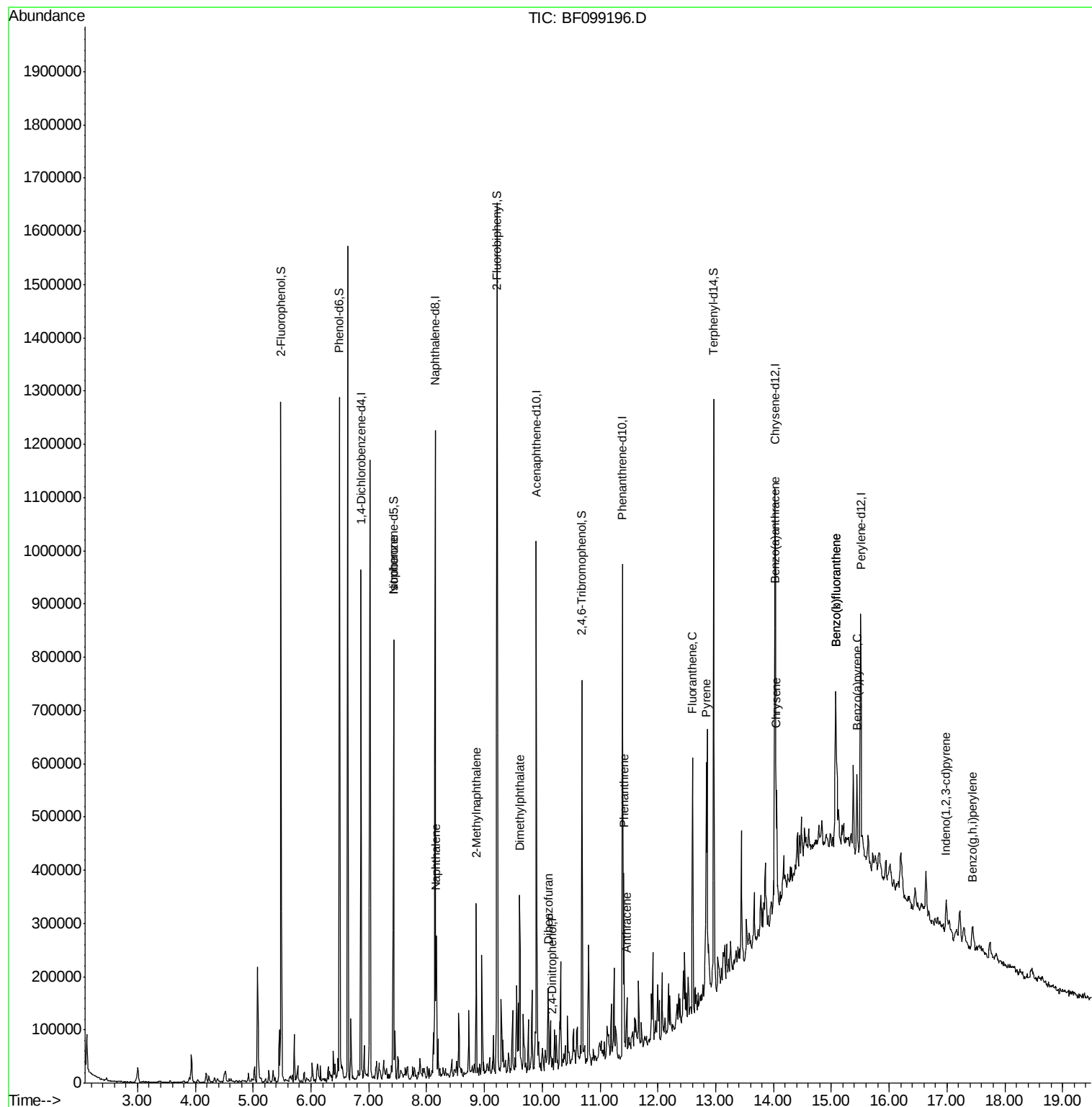
Target Compounds				Qvalue		
25) Isophorone	7.43	82	257483	15.902	ng	# 64
31) Naphthalene	8.17	128	99350	4.212	ng	99
37) 2-Methylnaphthalene	8.86	142	74767	4.876	ng	99
49) Dimethylphthalate	9.61	163	81035	5.298	ng	98
53) 2,4-Dinitrophenol	10.18	184	580	6.138	ng	# 16
54) Dibenzofuran	10.10	168	37449	2.218	ng	# 95
70) Phenanthrene	11.41	178	115908	7.289	ng	98
71) Anthracene	11.46	178	36330	2.233	ng	99
74) Fluoranthene	12.60	202	172403	10.707	ng	98
77) Pyrene	12.83	202	147567	8.437	ng	99
80) Benzo(a)anthracene	14.02	228	94230	6.784	ng	97
82) Chrysene	14.05	228	111185	8.408	ng	96
85) Indeno(1,2,3-cd)pyrene	16.99	276	37441	3.540	ng	98
87) Benzo(b)fluoranthene	15.07	252	191664	16.443	ng	# 91
88) Benzo(k)fluoranthene	15.07	252	191664	16.648	ng	# 94
89) Benzo(a)pyrene	15.44	252	54394	5.084	ng	# 89
91) Benzo(g,h,i)perylene	17.44	276	32192	3.803	ng	92

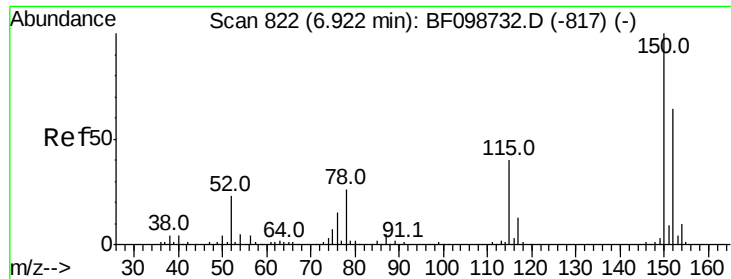
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099196.D
Acq On : 7 Oct 2017 16:07
Operator : SJ/JU
Sample : I5586-19 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 08 03:35:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 05 17:20:48 2017
Response via : Initial Calibration



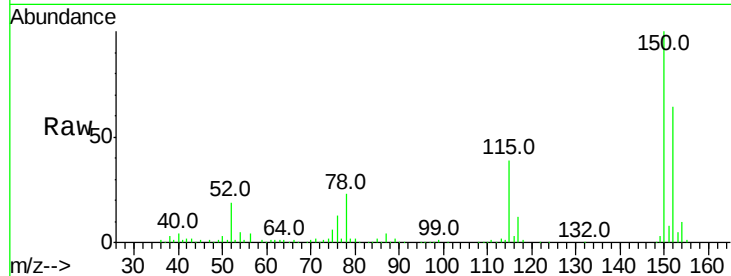


#1

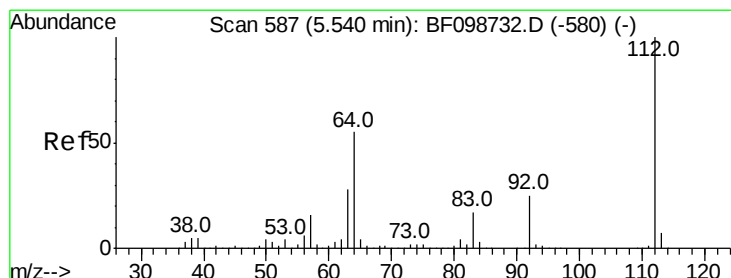
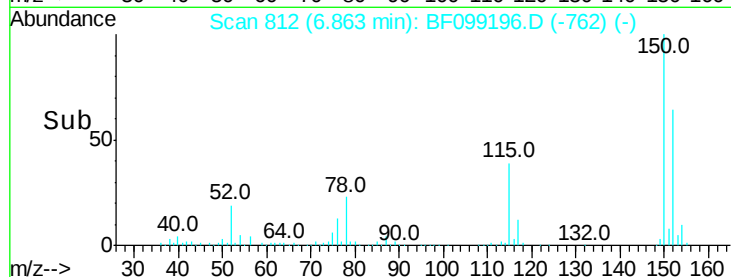
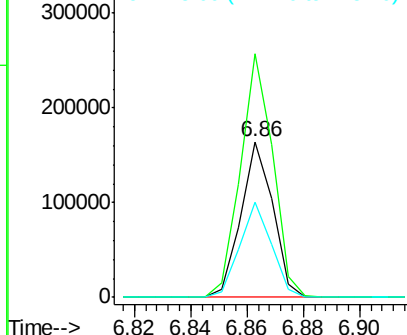
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 129972
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 61.3 50.1 75.1



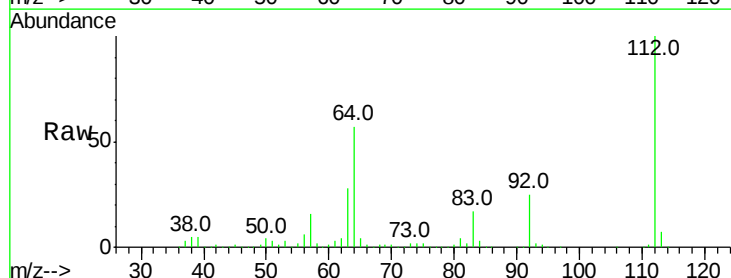
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



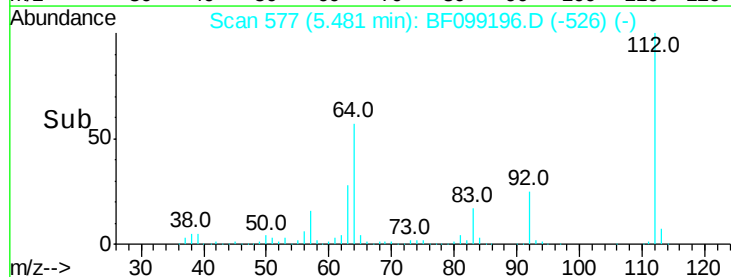
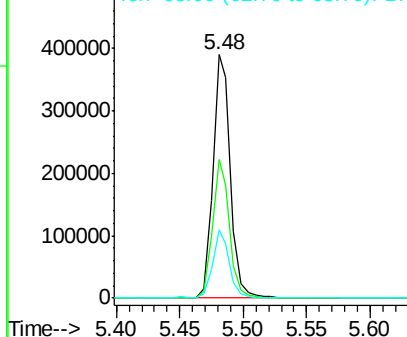
#5

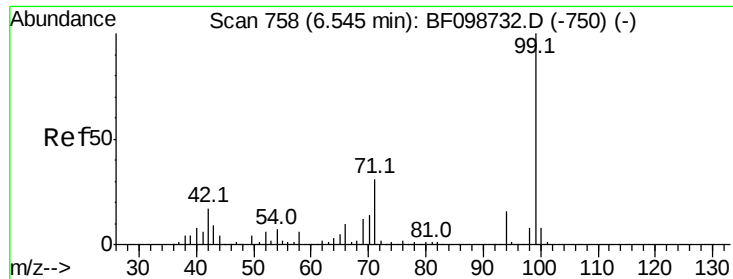
2-Fluorophenol
Concen: 46.407 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Tgt Ion:112 Resp: 378894
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 28.0 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: 44.839 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Instrument :

BNA_F

ClientSampleId :

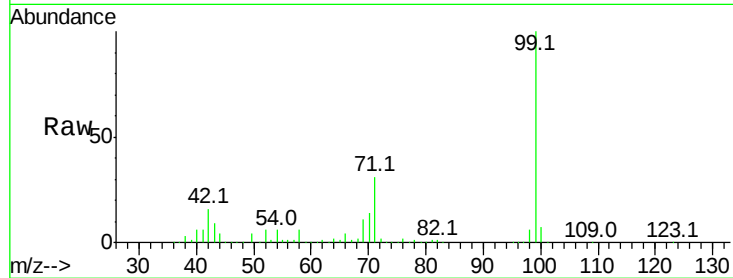
Tot Ion: 99 Resp: 451620

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

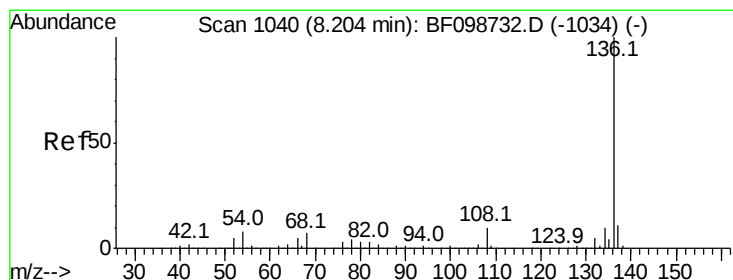
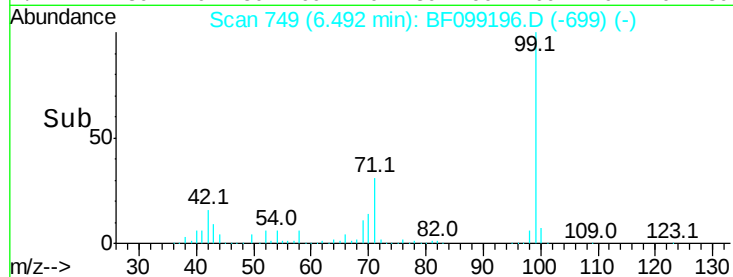
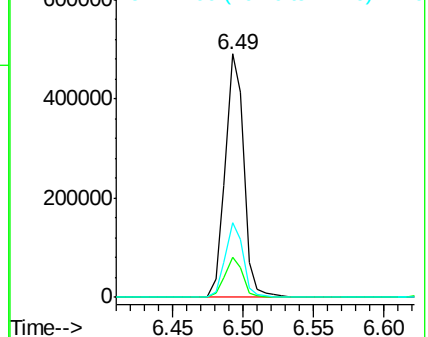
71 30.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Tgt Ion:136 Resp: 502243

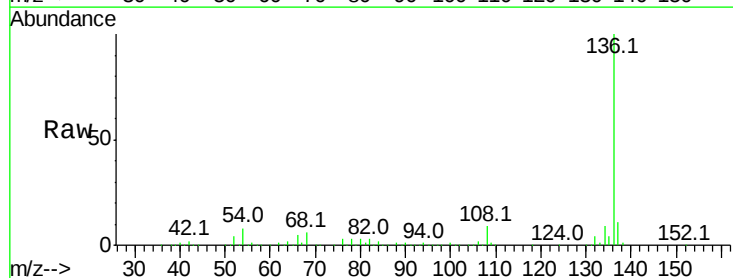
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.7 6.6 9.8

68 6.1 5.0 7.4

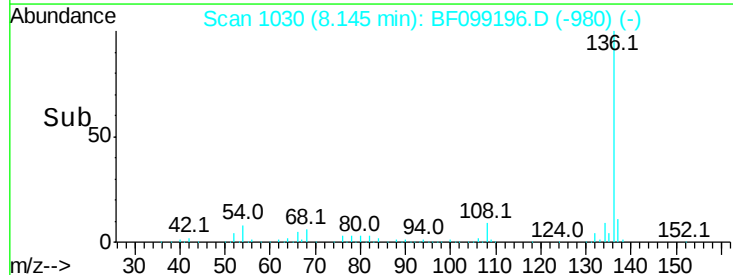
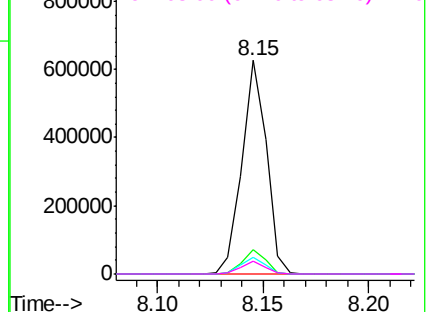


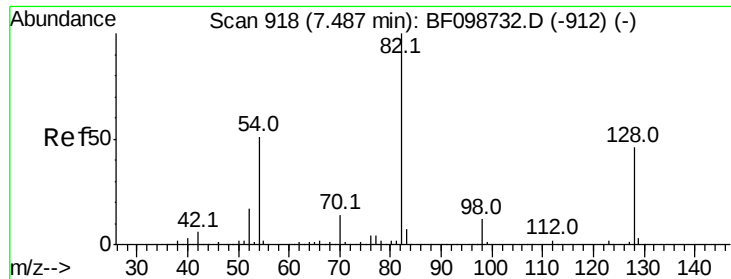
Abundance Ion 136.00 (135.70 to 136.70): E

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

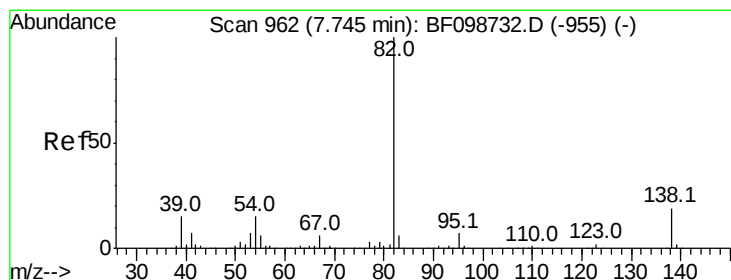
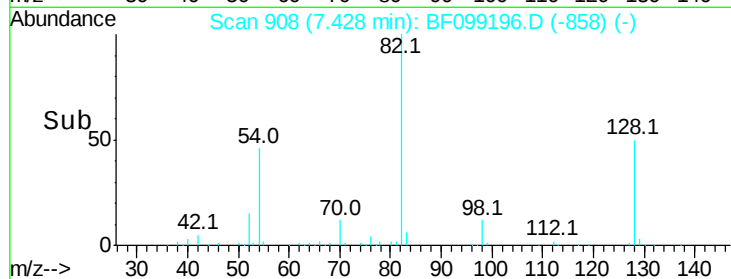
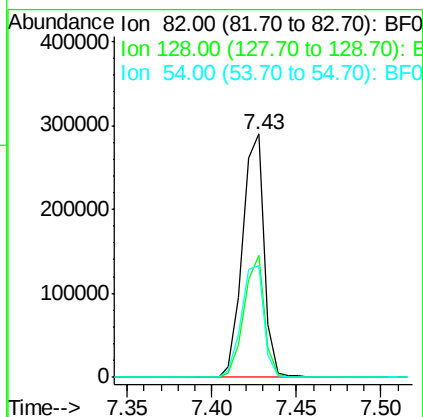
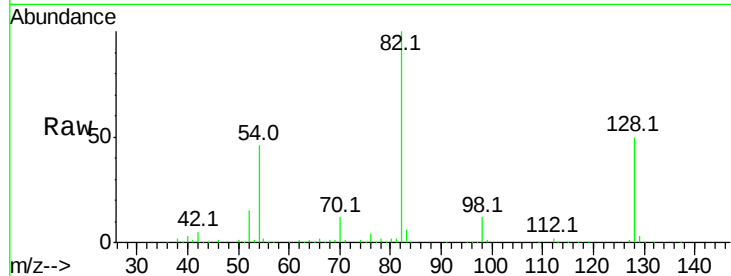




#23
 Nitrobenzene-d5
 Concen: 33.139 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

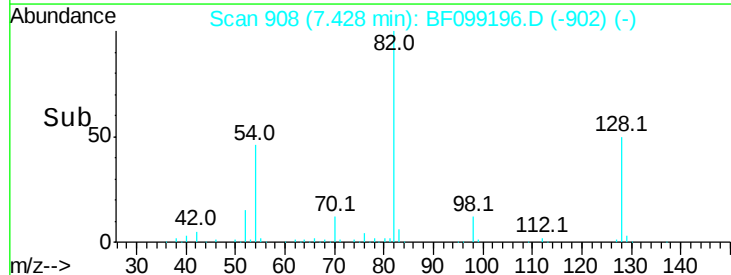
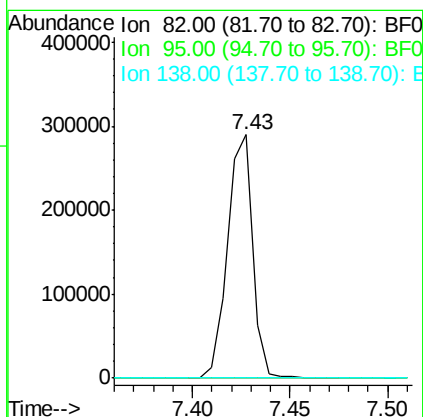
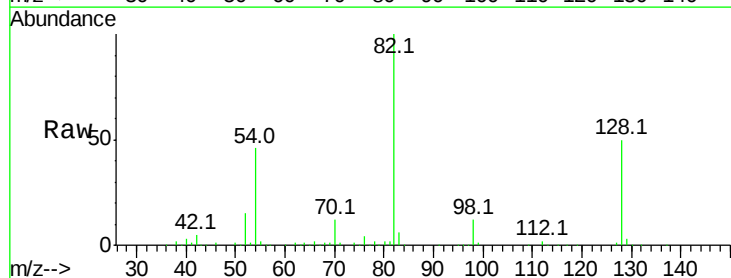
Instrument :
 BNA_F
 ClientSampleId :

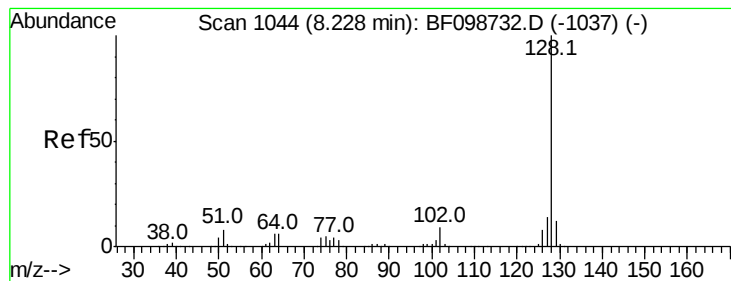
Tot Ion	82	Resp	259535
Ion	Ratio	Lower	Upper
82	100		
128	50.2	36.1	54.1
54	45.7	41.4	62.2



#25
 Isophorone
 Concen: 15.902 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

Tgt Ion	82	Resp	257483
Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.2	7.8#
138	0.0	14.9	22.3#





#31

Naphthalene

Concen: 4.212 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Instrument :

BNA_F

ClientSampleId :

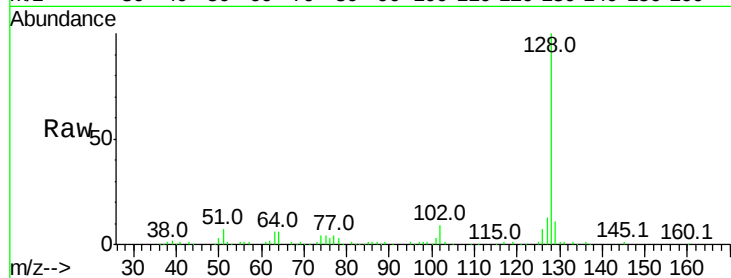
Tot Ion:128 Resp: 99350

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

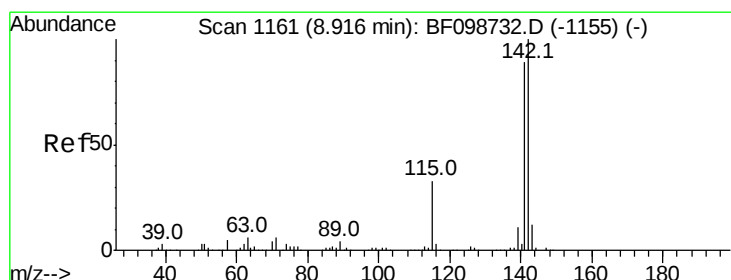
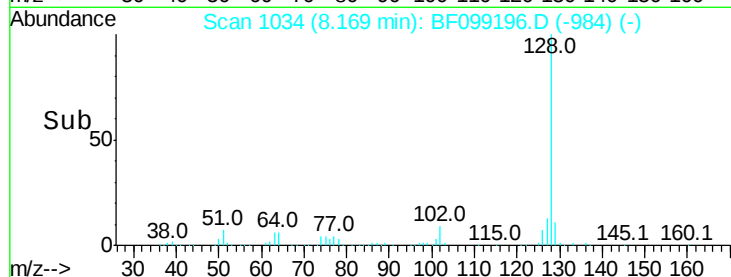
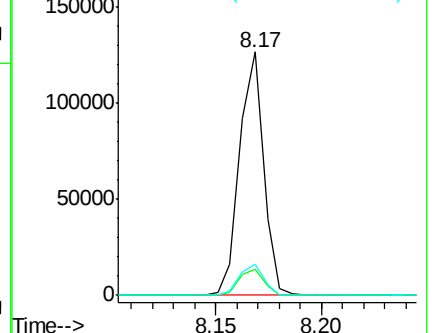
127 13.0 10.9 16.3



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: 4.876 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

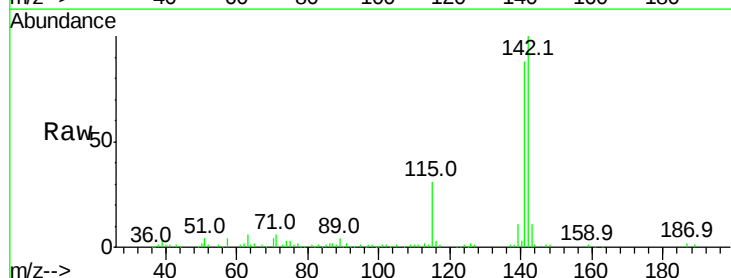
Tgt Ion:142 Resp: 74767

Ion Ratio Lower Upper

142 100

141 88.2 70.8 106.2

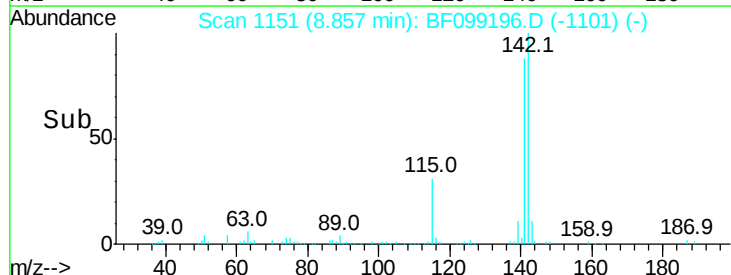
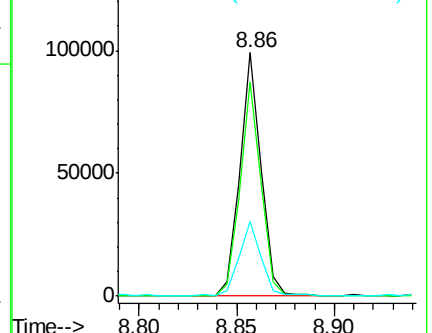
115 30.9 26.1 39.1

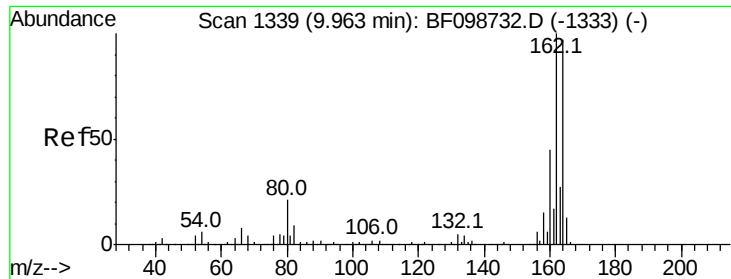


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

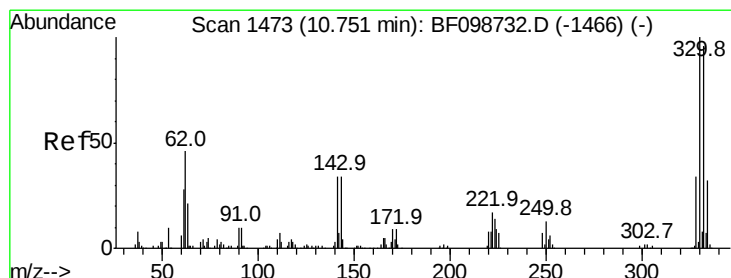
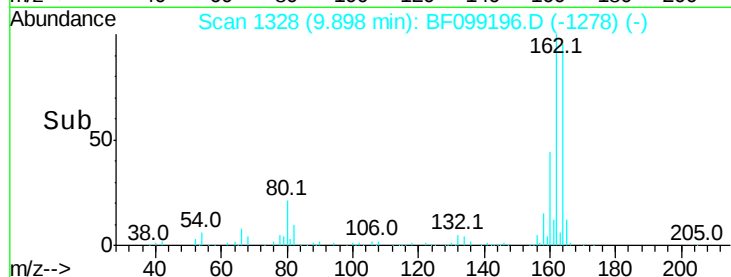
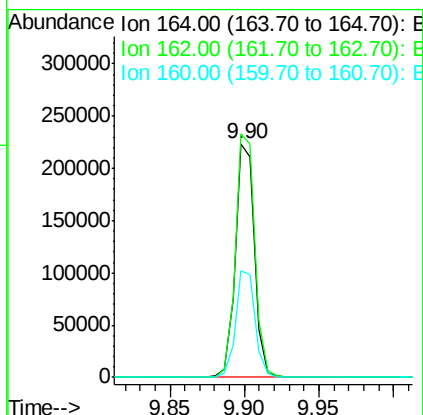
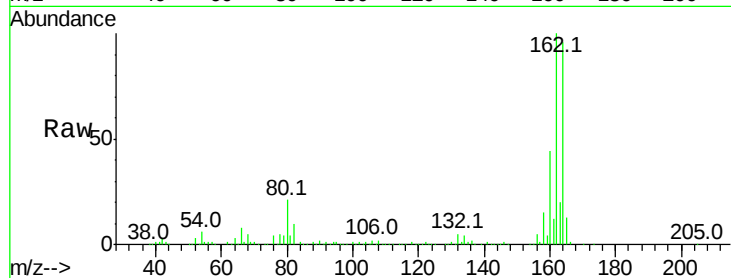




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

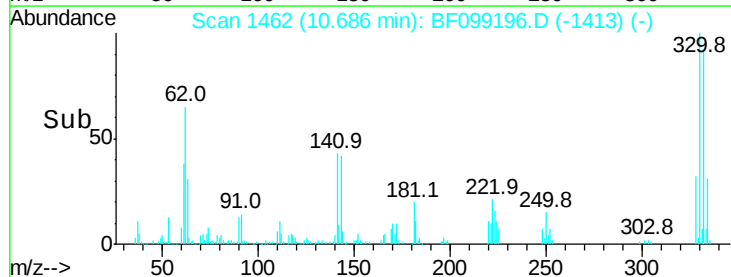
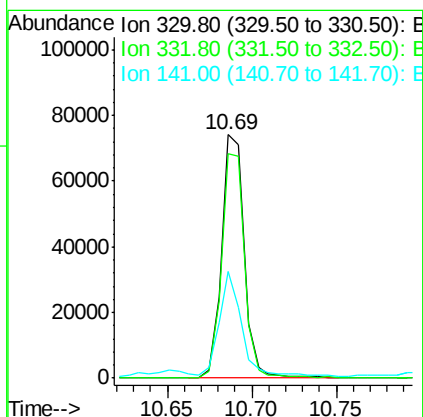
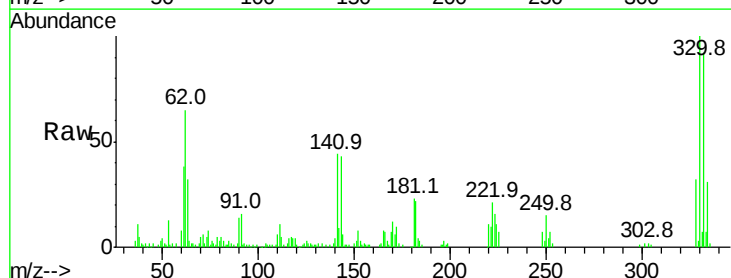
Instrument :
 BNA_F
 ClientSampleId :

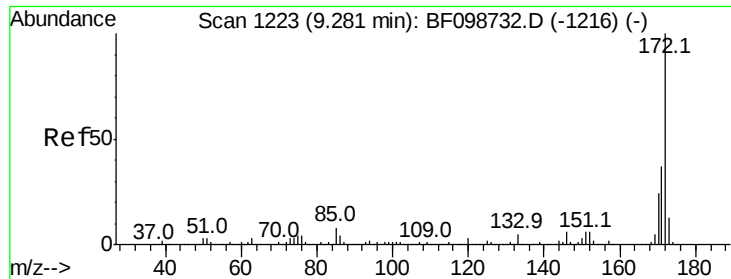
Tot Ion:164 Resp: 202664
 Ion Ratio Lower Upper
 164 100
 162 104.1 86.1 129.1
 160 45.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 41.683 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

Tgt Ion:330 Resp: 69124
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.6
 141 44.4 29.9 44.9

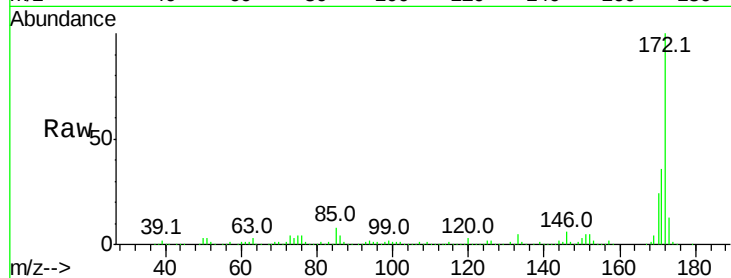




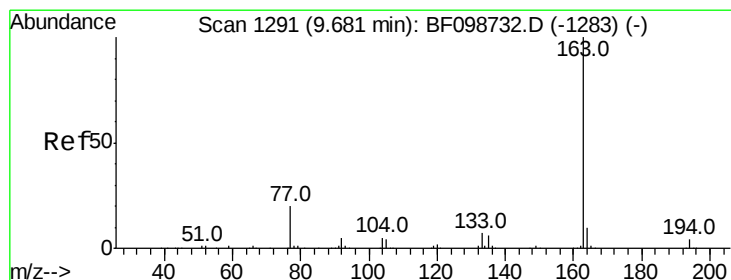
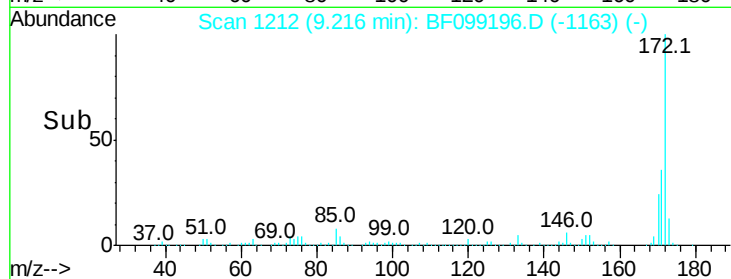
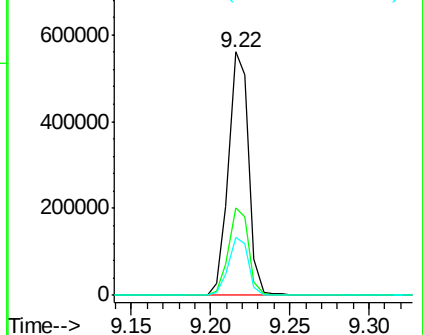
#44
 2-Fluorobiphenyl
 Concen: 40.895 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.0	19.6	29.4

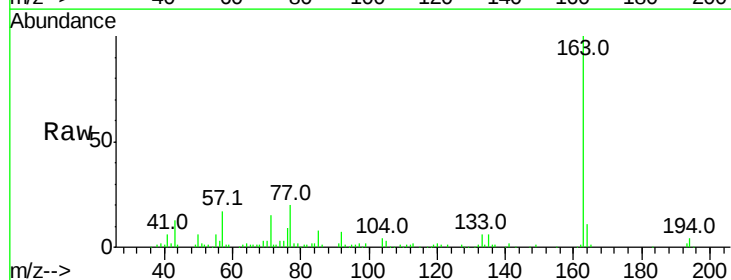


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

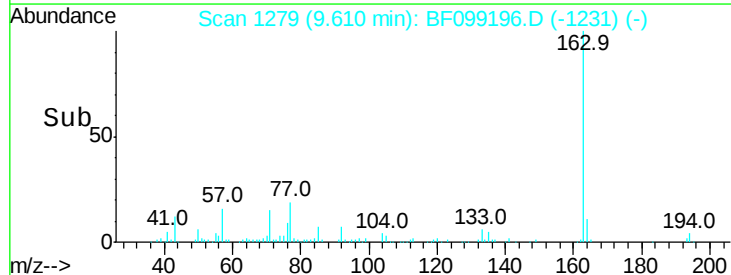
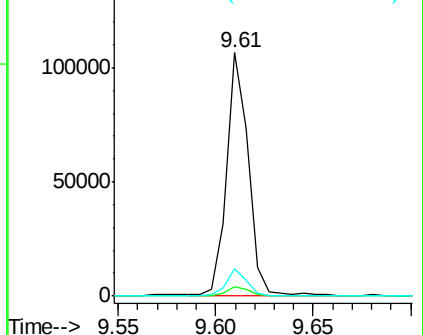


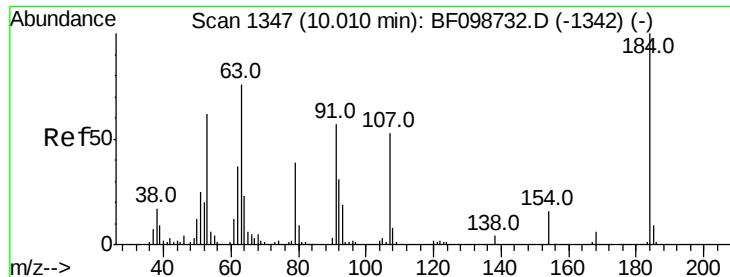
#49
 Dimethylphthalate
 Concen: 5.298 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.02 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	11.1	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

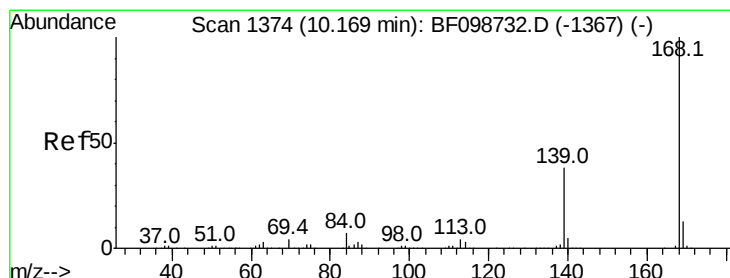
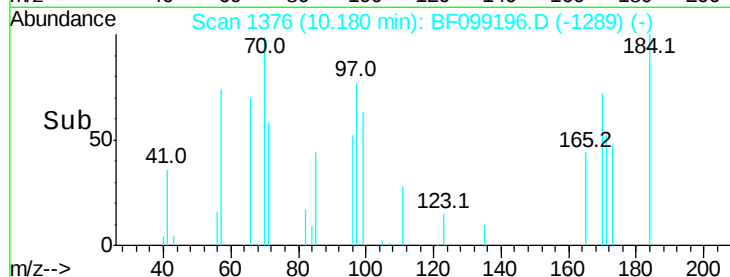
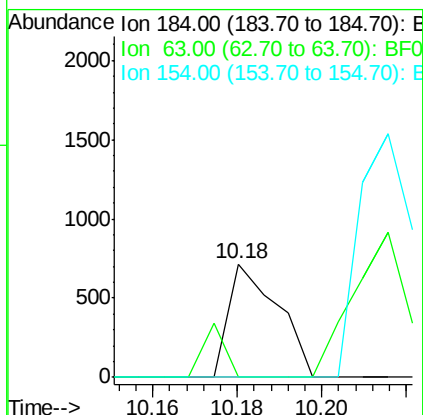
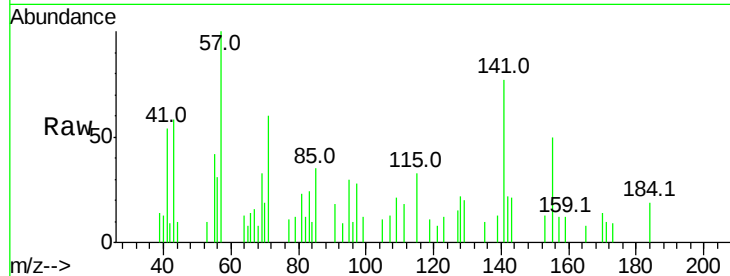




#53
2,4-Dinitrophenol
Concen: 6.138 ng
RT: 10.18 min Scan# 1376
Delta R.T. 0.21 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

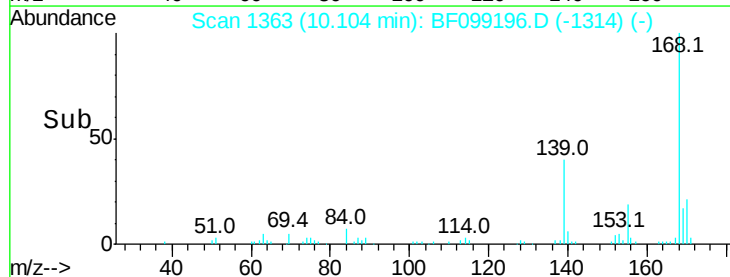
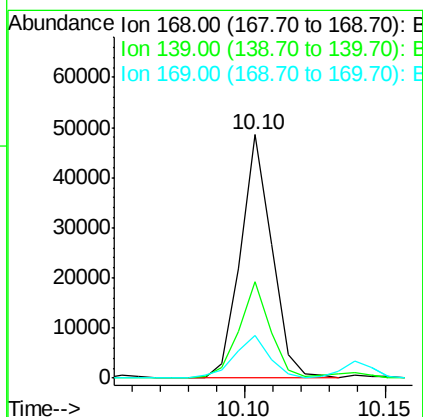
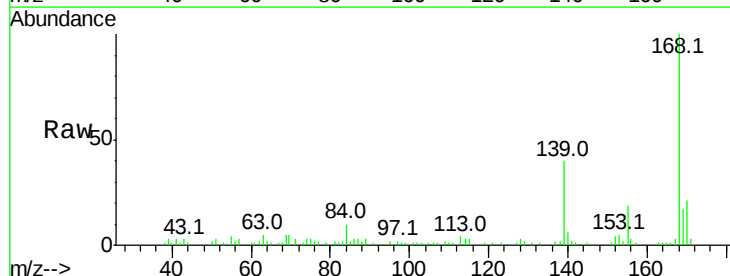
Instrument :
BNA_F
ClientSampled :

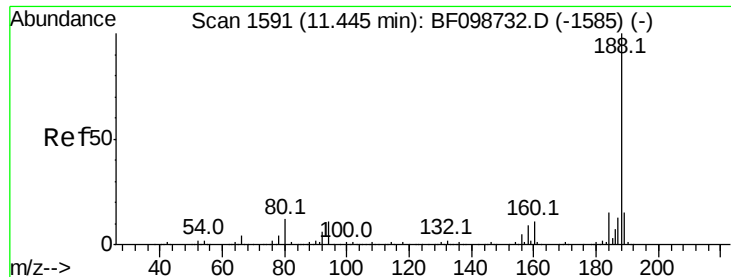
Tot Ion:184 Resp: 580
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 53.5 80.3#



#54
Dibenzofuran
Concen: 2.218 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Tgt Ion:168 Resp: 37449
Ion Ratio Lower Upper
168 100
139 39.7 30.1 45.1
169 17.3 10.9 16.3#

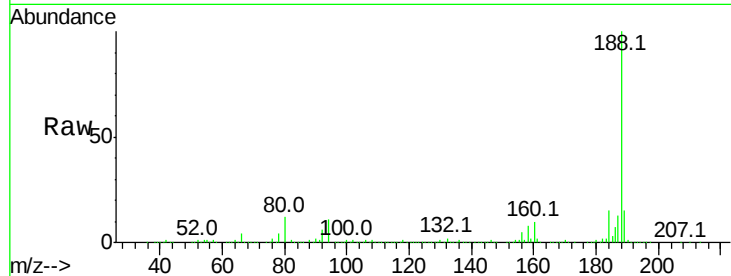




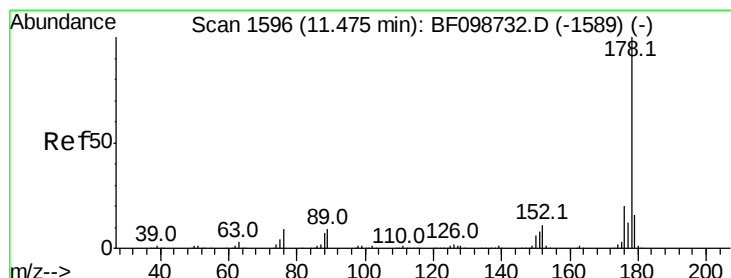
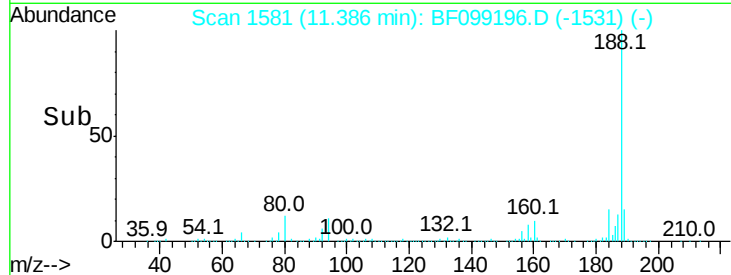
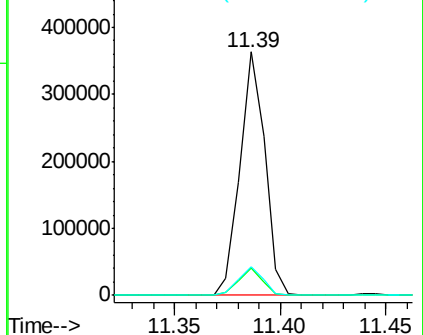
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 297063
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.6 9.2 13.8

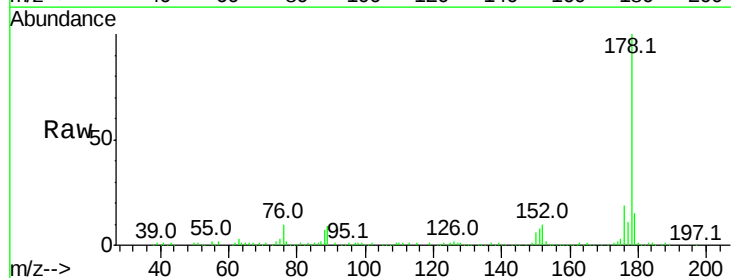


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

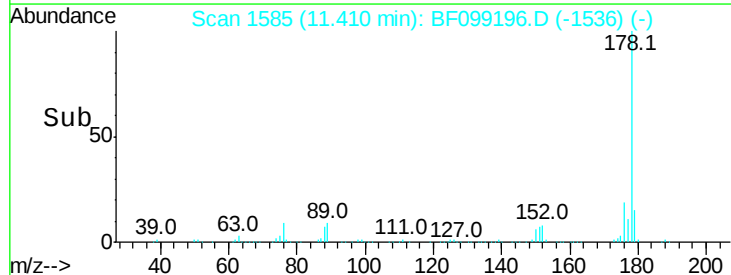
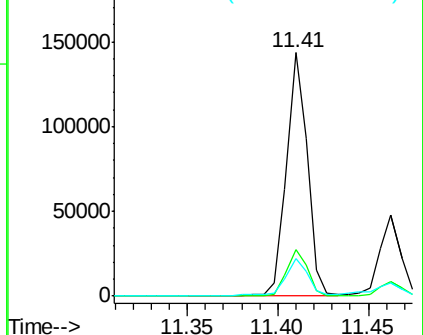


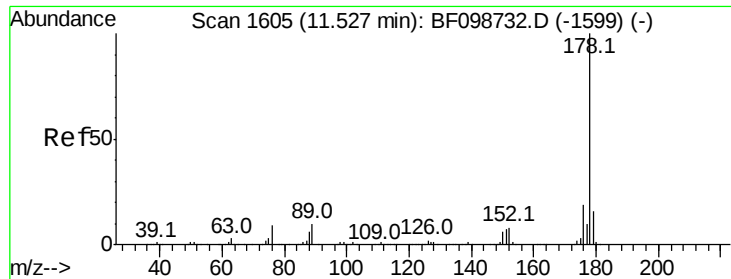
#70
Phenanthrene
Concen: 7.289 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Tgt Ion:178 Resp: 115908
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.3 13.0 19.6



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

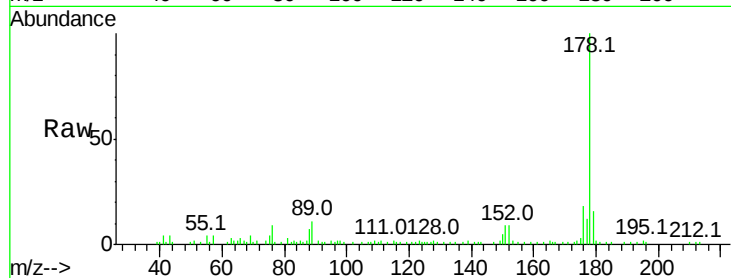




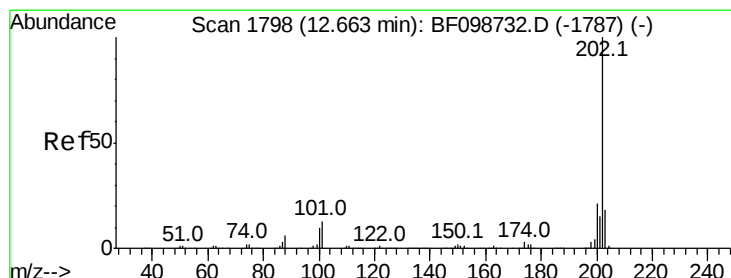
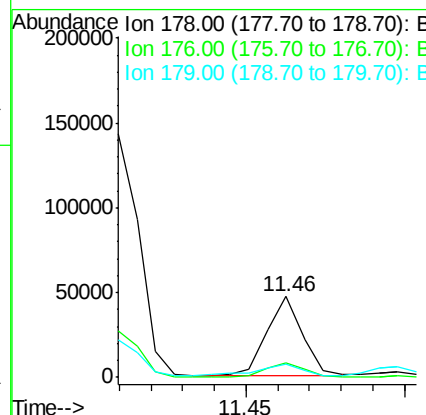
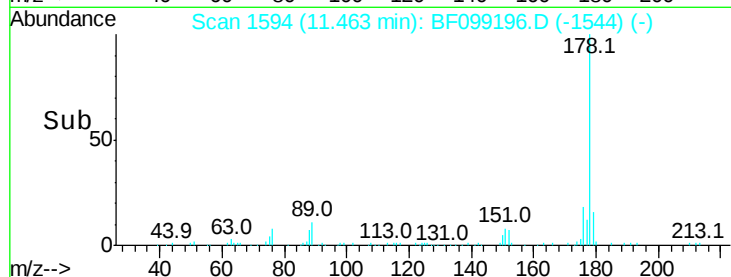
#71
 Anthracene
 Concen: 2.233 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 36330
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 15.7 12.6 19.0

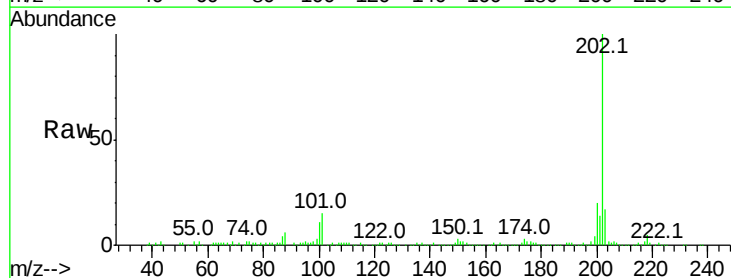


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

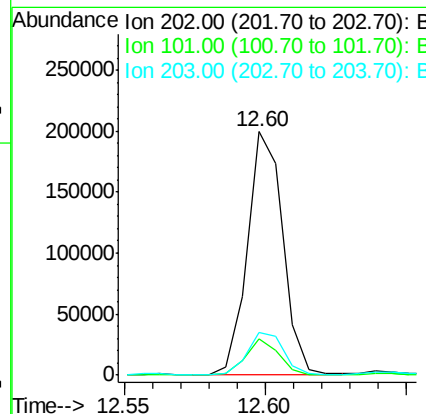
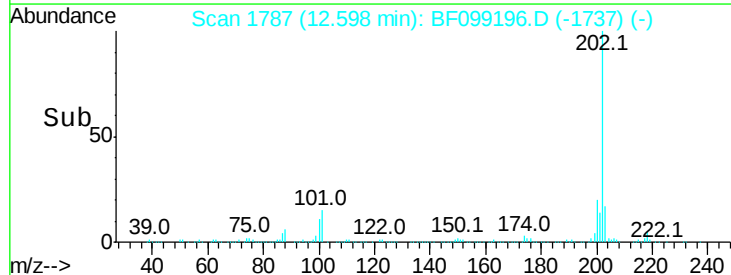


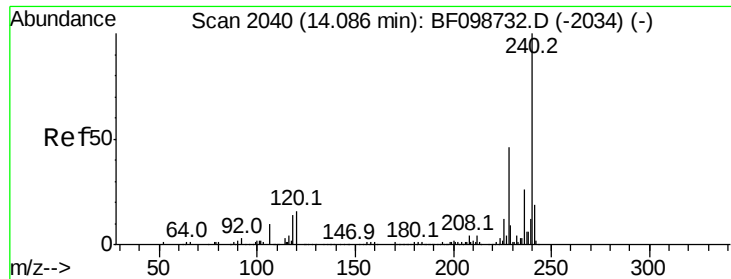
#74
 Fluoranthene
 Concen: 10.707 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.01 min
 Lab File: BF099196.D
 Acq: 7 Oct 2017 16:07

Tgt Ion:202 Resp: 172403
 Ion Ratio Lower Upper
 202 100
 101 14.8 0.0 34.1
 203 17.4 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: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Instrument :

BNA_F

ClientSampleId :

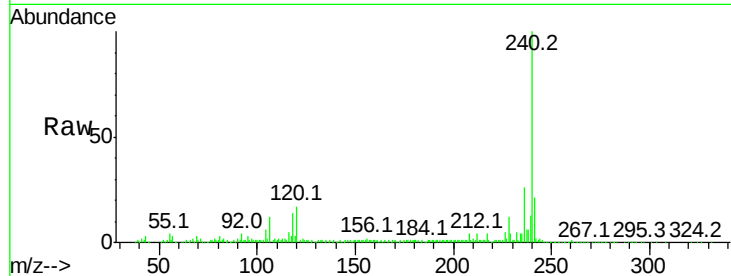
Tot Ion:240 Resp: 229373

Ion Ratio Lower Upper

240 100

120 16.9 9.5 14.3#

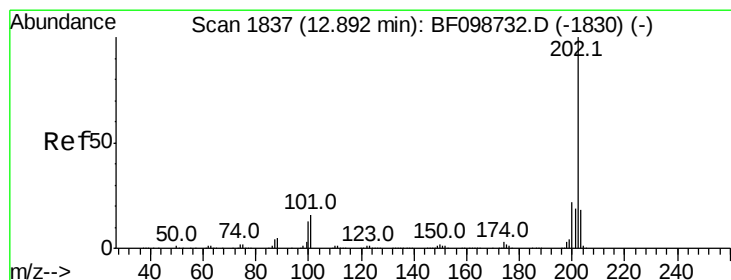
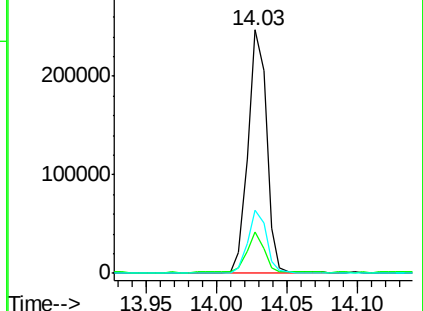
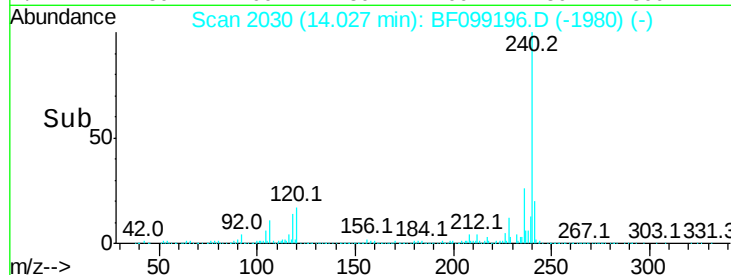
236 25.9 20.7 31.1



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

Pyrene

Concen: 8.437 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

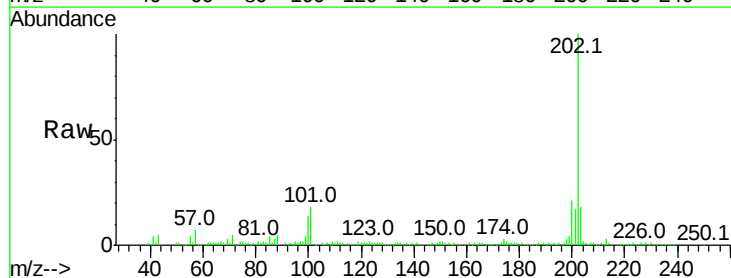
Tgt Ion:202 Resp: 147567

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

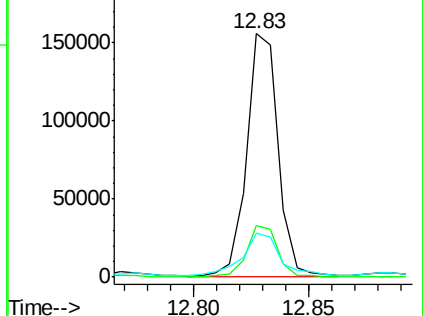
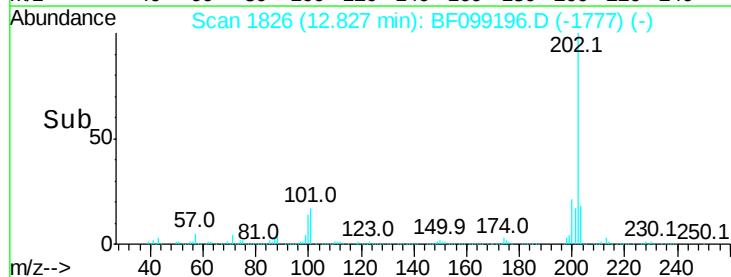
203 18.3 14.3 21.5

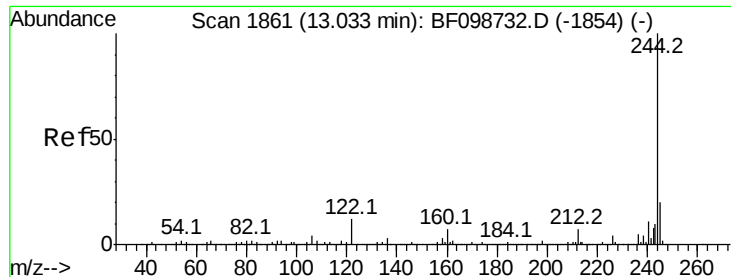


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 31.688 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Instrument :

BNA_F

ClientSampled :

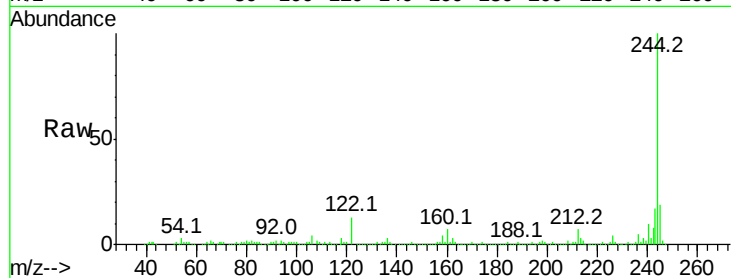
Tot Ion:244 Resp: 319600

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

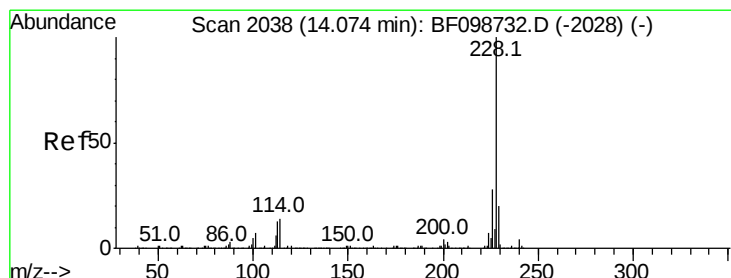
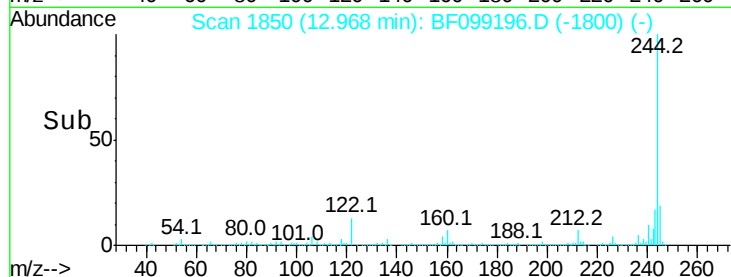
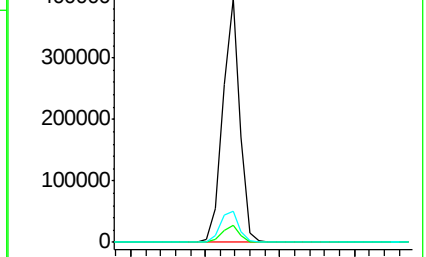
122 13.0 11.0 16.4



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: 6.784 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

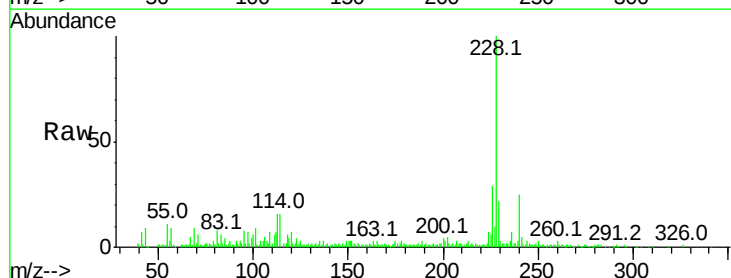
Tgt Ion:228 Resp: 94230

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

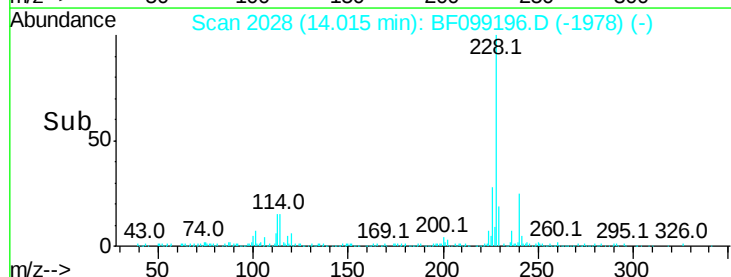
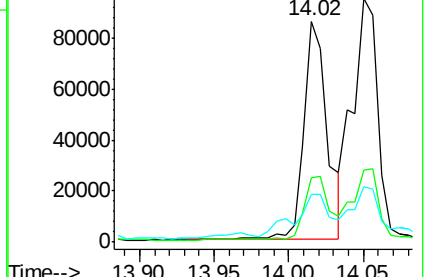
229 21.9 15.8 23.6

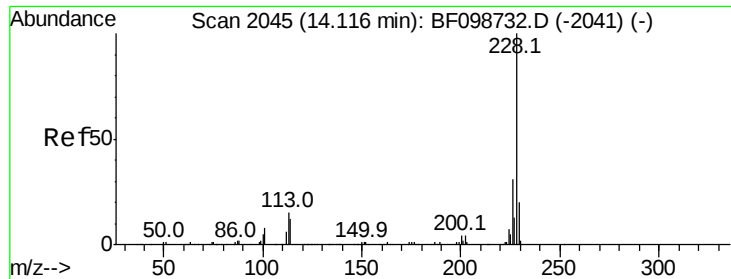


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

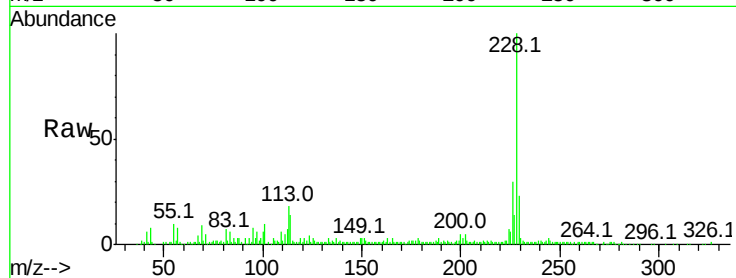




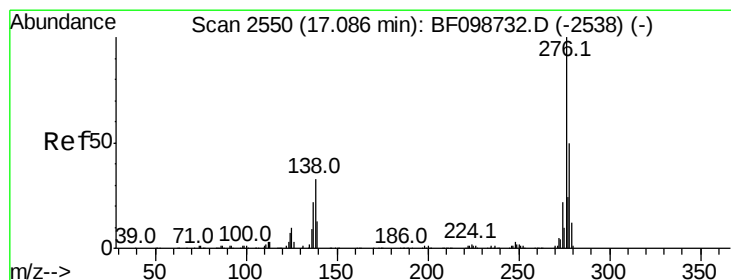
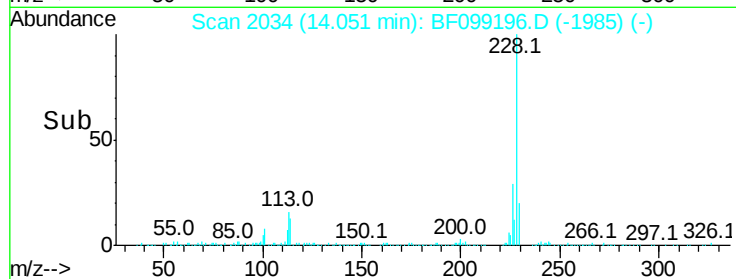
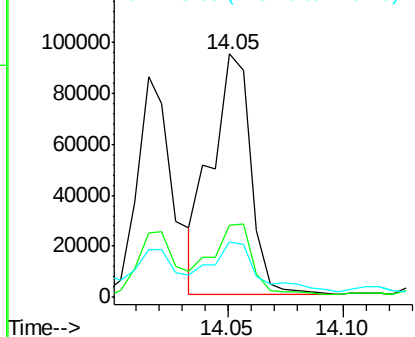
#82
Chrysene
Concen: 8.408 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 111185
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 22.7 16.2 24.4

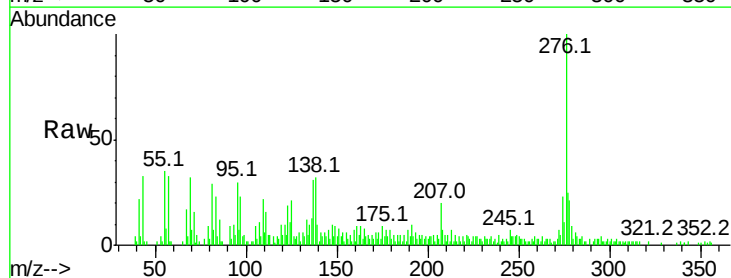


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

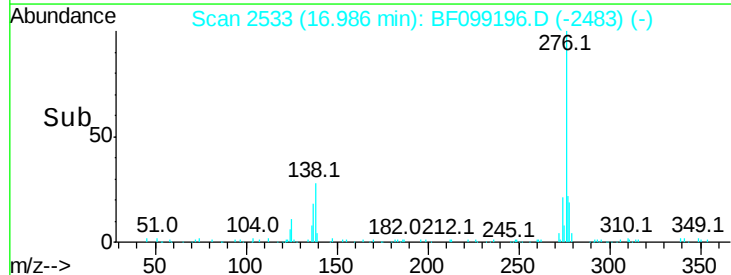
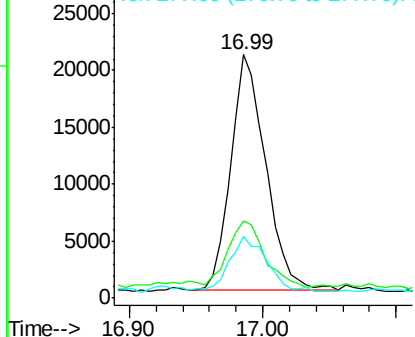


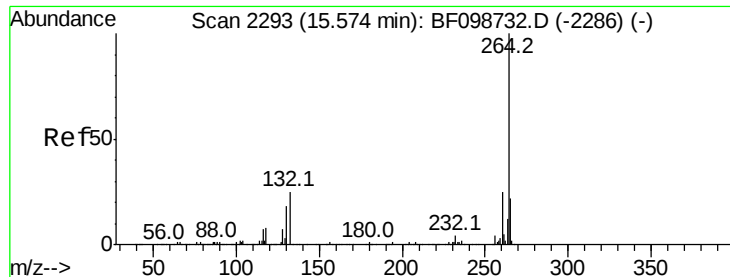
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.540 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Tgt Ion:276 Resp: 37441
Ion Ratio Lower Upper
276 100
138 33.0 25.0 37.6
277 25.2 20.1 30.1



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



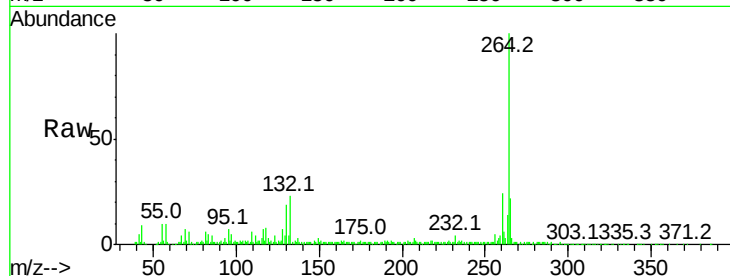


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

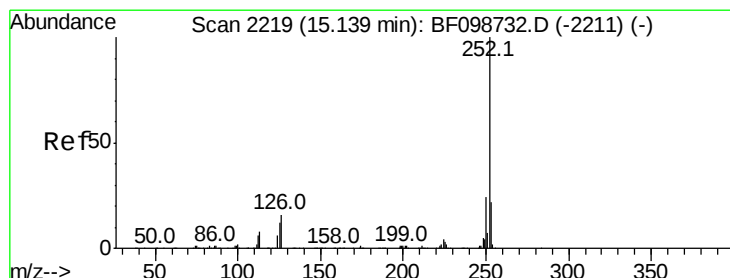
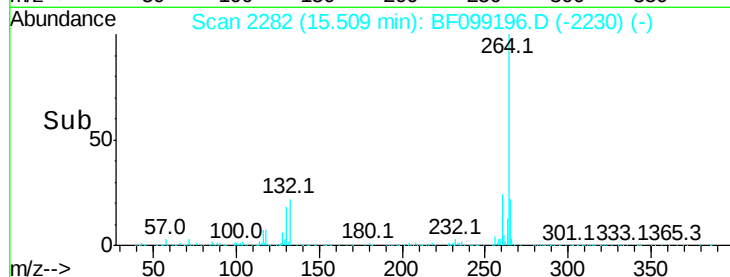
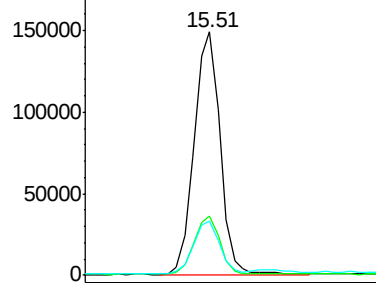
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 189583

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.3	17.5	26.3



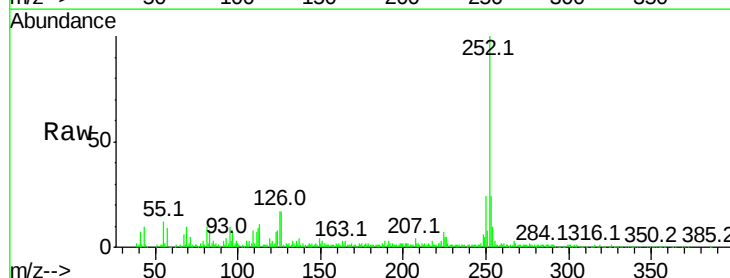
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



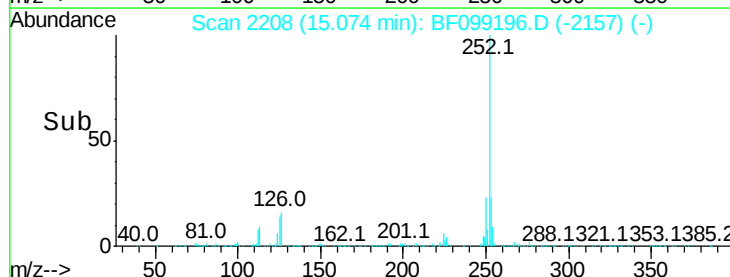
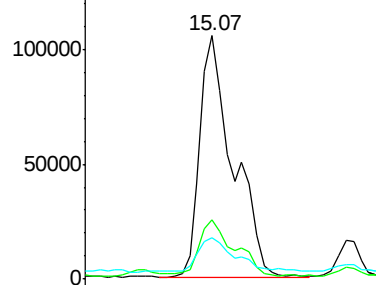
#87
Benzo(b)fluoranthene
Concen: 16.443 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

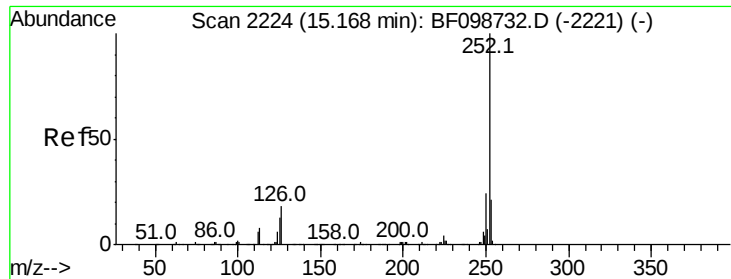
Tgt Ion:252 Resp: 191664

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	17.0	9.0	13.6



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

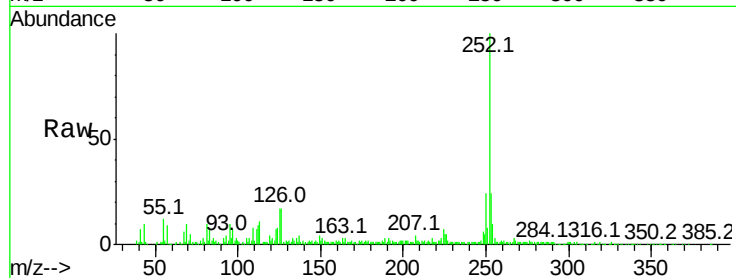




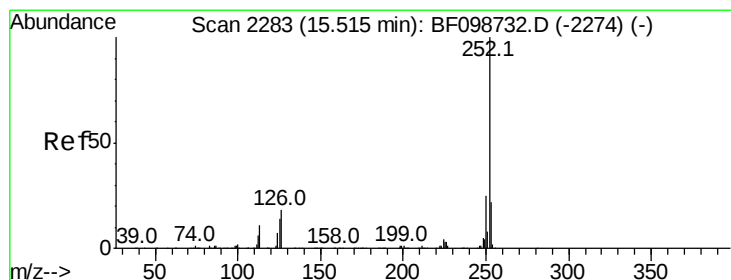
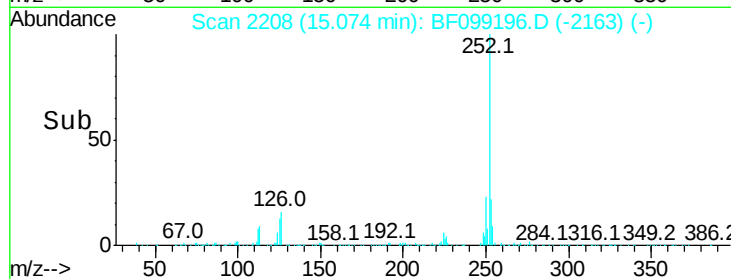
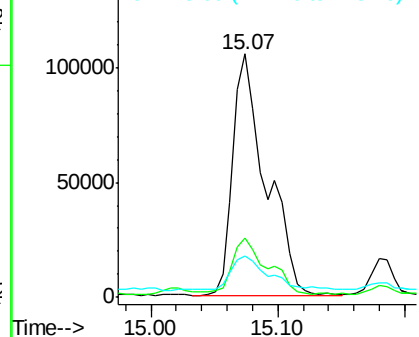
#88
Benzo(k)fluoranthene
Concen: 16.648 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	17.0	10.2	15.2

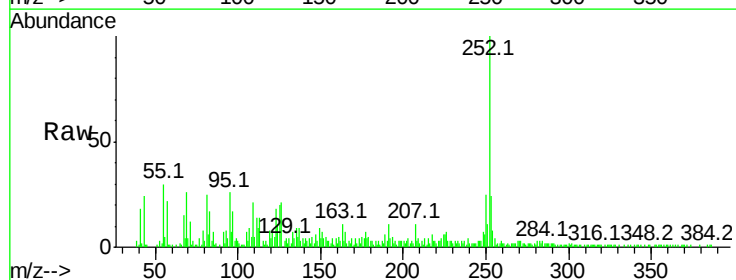


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

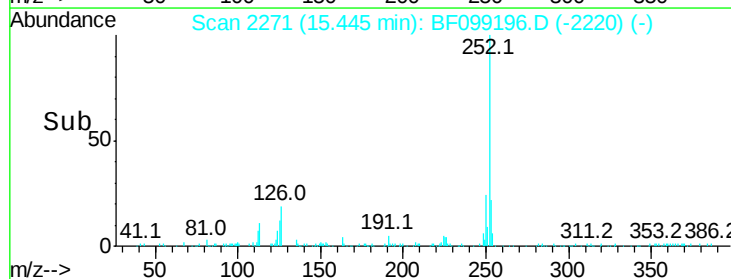
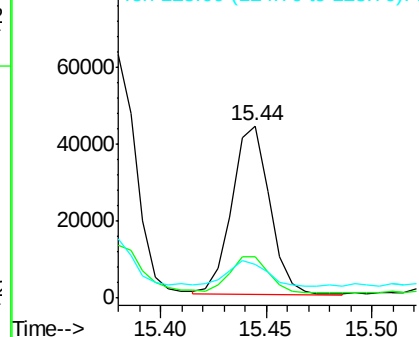


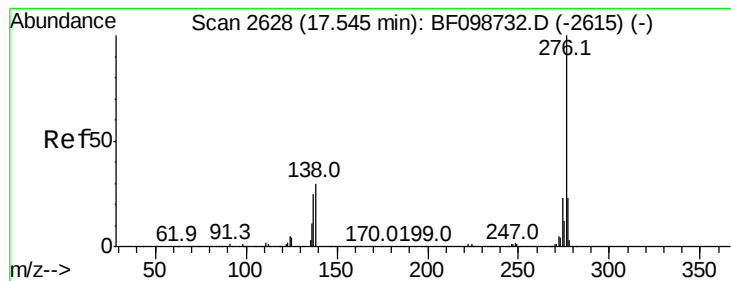
#89
Benzo(a)pyrene
Concen: 5.084 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF099196.D
Acq: 7 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	19.8	9.8	14.6



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





#91

Benzo(a,h,i)perylene

Concen: 3.803 ng

RT: 17.44 min Scan# 2611

Delta R.T. -0.00 min

Lab File: BF099196.D

Acq: 7 Oct 2017 16:07

Instrument :

BNA_F

ClientSampleId :

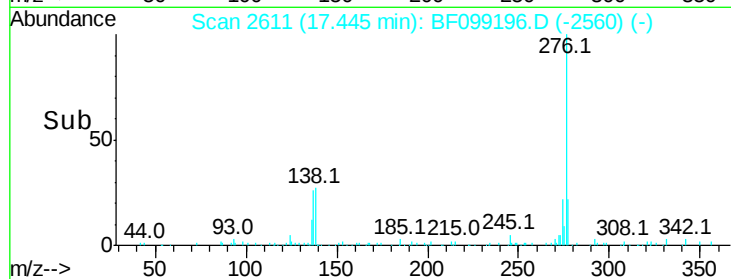
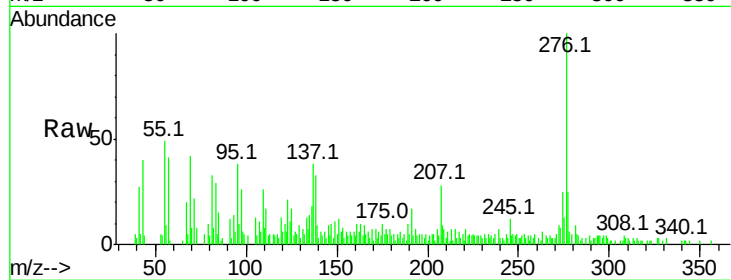
Tot Ion: 276 Resp: 32192

Ion Ratio Lower Upper

276 100

277 24.6 17.9 26.9

138 32.6 21.8 32.8



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

