

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103117\
 Data File : BF100018.D
 Acq On : 31 Oct 2017 21:51
 Operator : SJ/JU
 Sample : I6056-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 04:23:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 16:51:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	91693	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	365400	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	162455	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	269092	20.00	ng	0.00
75) Chrysene-d12	13.98	240	161210	20.00	ng	0.00
86) Perylene-d12	15.47	264	166267	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	86491	14.81	ng	0.01
7) Phenol-d6	6.44	99	111042	16.03	ng	0.00
23) Nitrobenzene-d5	7.36	82	62038	10.93	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	19458	13.14	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	151549	14.39	ng	0.00
78) Terphenyl-d14	12.90	244	109155	14.80	ng	0.00

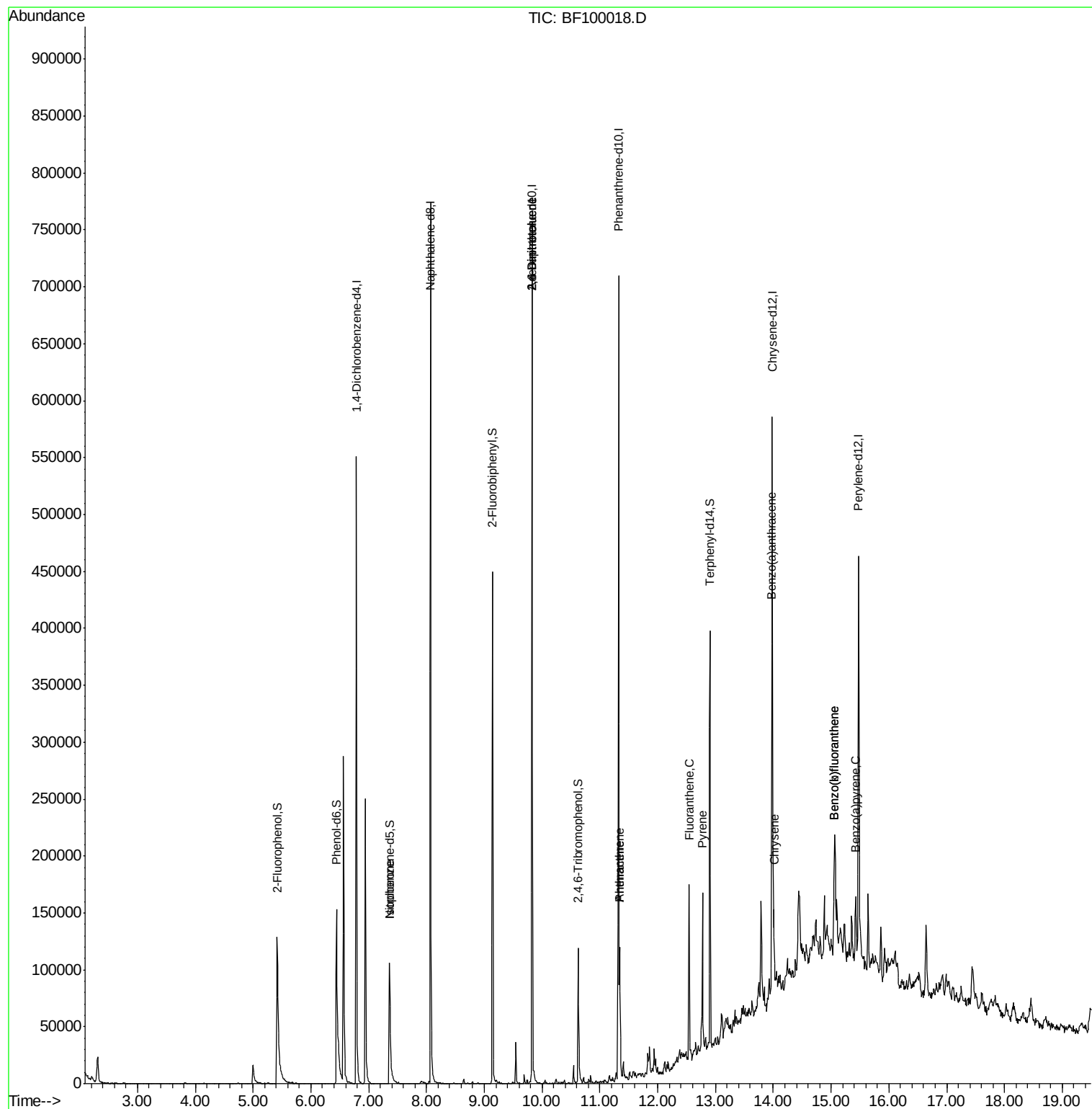
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.36	82	62038	6.024	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	20269	7.494	ng	# 24
56) 2,4-Dinitrotoluene	9.83	165	20269	6.223	ng	# 21
70) Phenanthrene	11.34	178	42793	2.818	ng	98
71) Anthracene	11.34	178	42793	2.776	ng	99
74) Fluoranthene	12.54	202	66435	4.210	ng	95
77) Pyrene	12.77	202	54864	4.476	ng	97
80) Benzo(a)anthracene	13.97	228	20599	2.016	ng	94
82) Chrysene	14.01	228	24403	2.540	ng	97
87) Benzo(b)fluoranthene	15.05	252	45976	4.379	ng	# 89
88) Benzo(k)fluoranthene	15.05	252	45976	4.644	ng	# 92
89) Benzo(a)pyrene	15.42	252	22200	2.354	ng	# 84

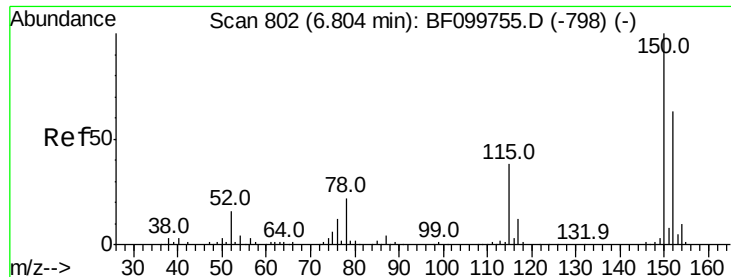
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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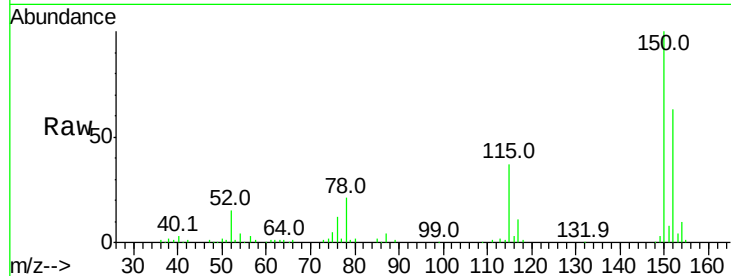


#1

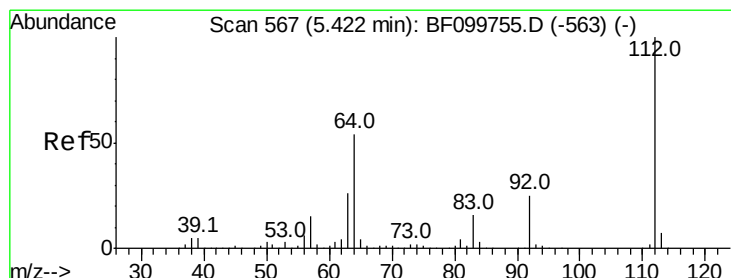
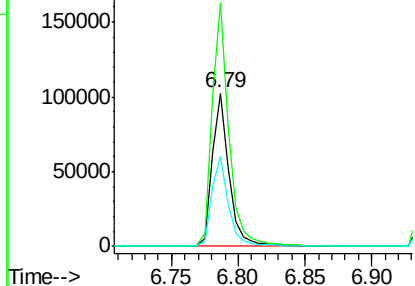
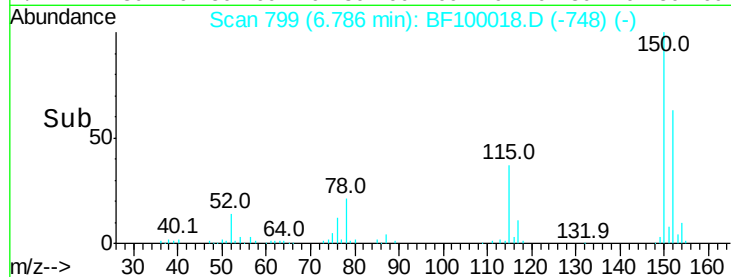
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 91693
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 59.1 50.1 75.1



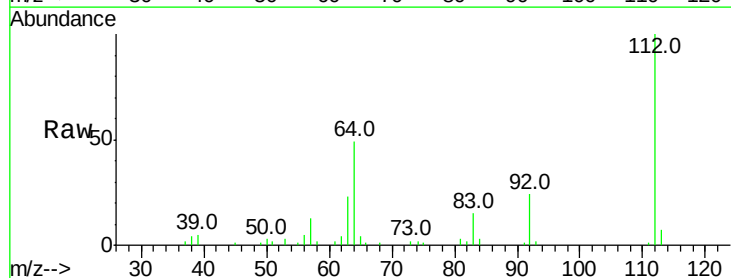
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



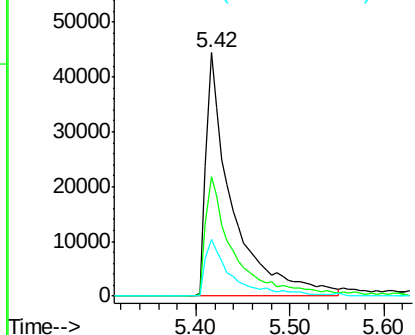
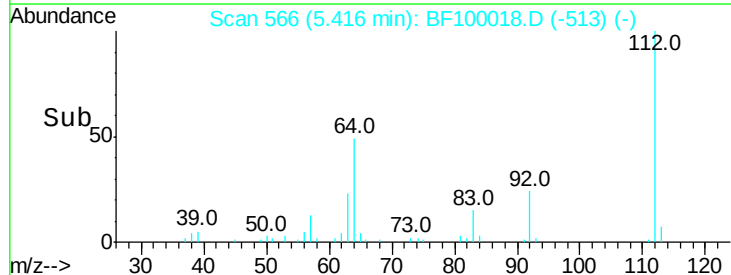
#5

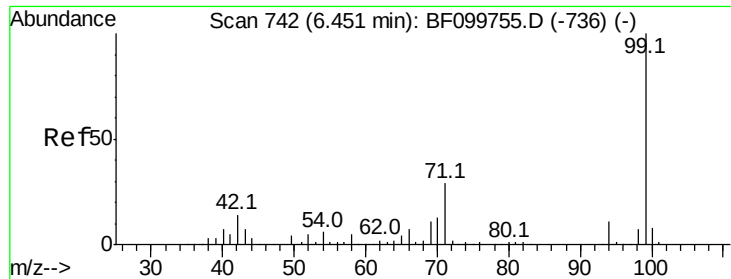
2-Fluorophenol
Concen: 14.809 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

Tgt Ion:112 Resp: 86491
Ion Ratio Lower Upper
112 100
64 49.0 47.9 71.9
63 23.3 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 16.035 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF100018.D

Acq: 31 Oct 2017 21:51

Instrument :

BNA_F

ClientSampleId :

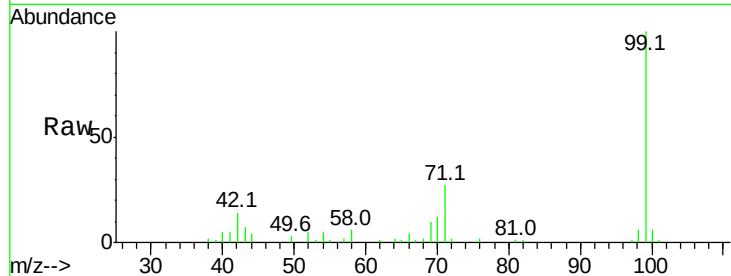
Tot Ion: 99 Resp: 111042

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

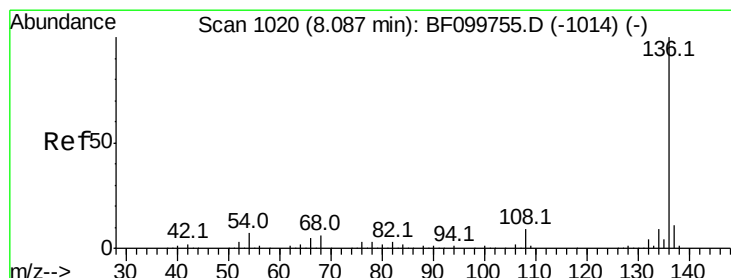
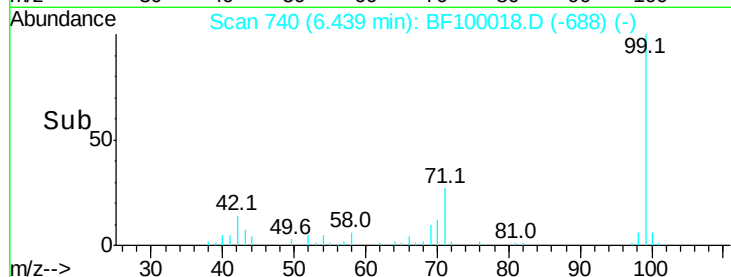
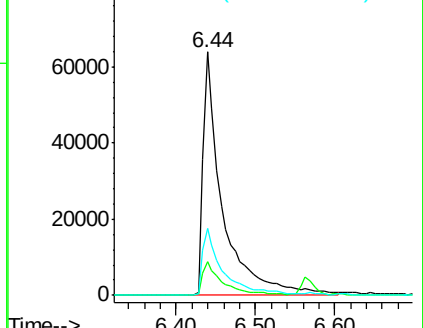
71 27.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF100018.D

Acq: 31 Oct 2017 21:51

Tgt Ion:136 Resp: 365400

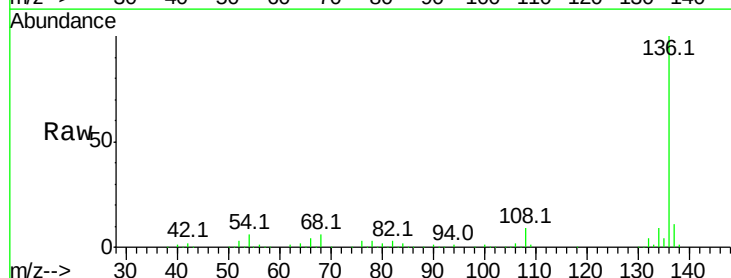
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.2 6.6 9.8#

68 5.5 5.0 7.4

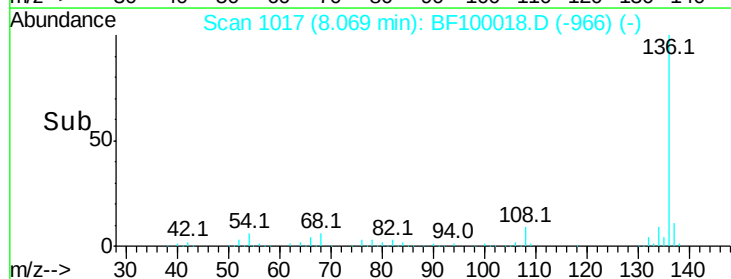
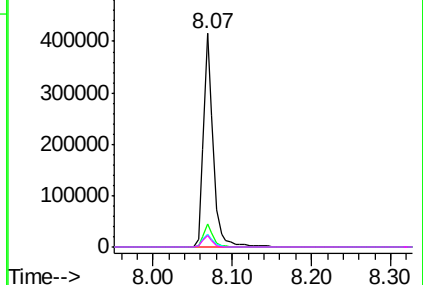


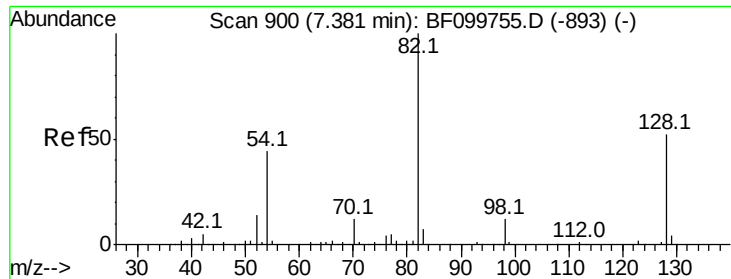
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

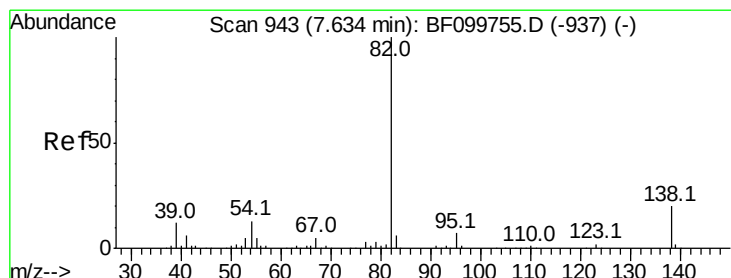
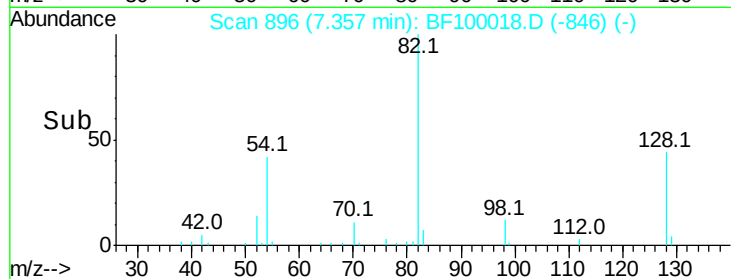
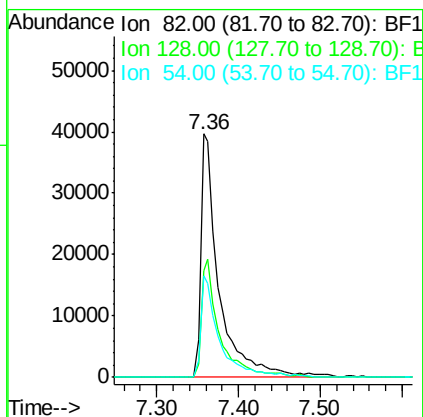
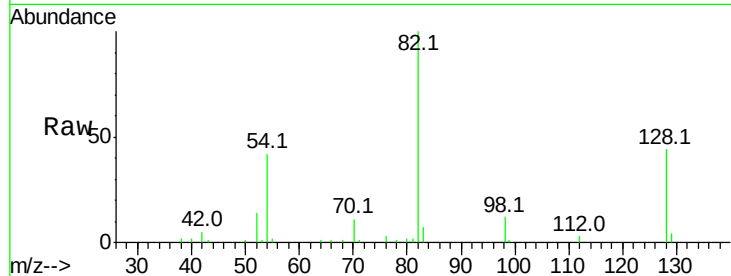




#23
Nitrobenzene-d5
Concen: 10.931 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

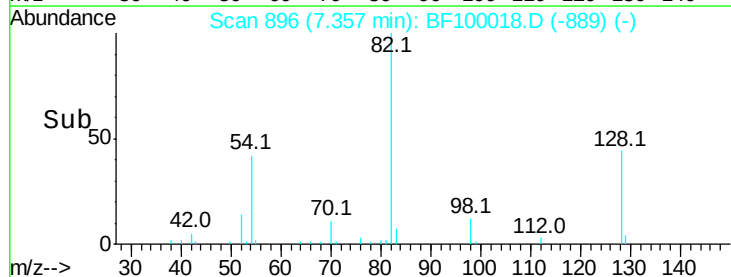
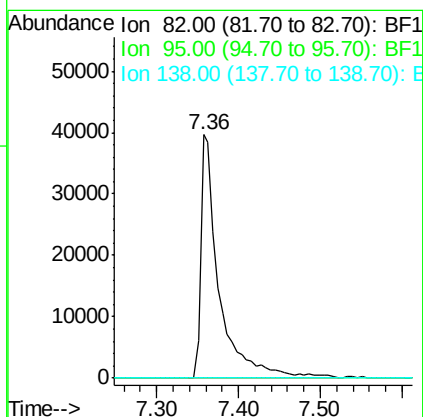
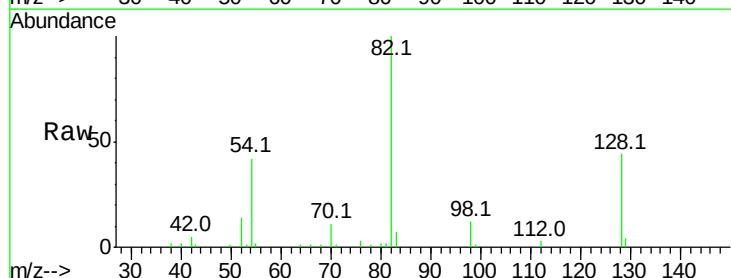
Instrument :
BNA_F
ClientSampled :

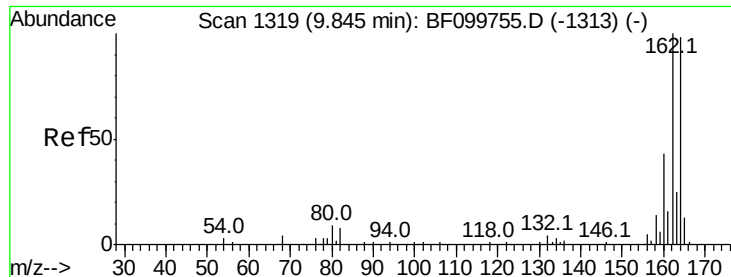
Tot Ion: 82 Resp: 62038
Ion Ratio Lower Upper
82 100
128 43.8 36.1 54.1
54 41.9 41.4 62.2



#25
Isophorone
Concen: 6.024 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

Tgt Ion: 82 Resp: 62038
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

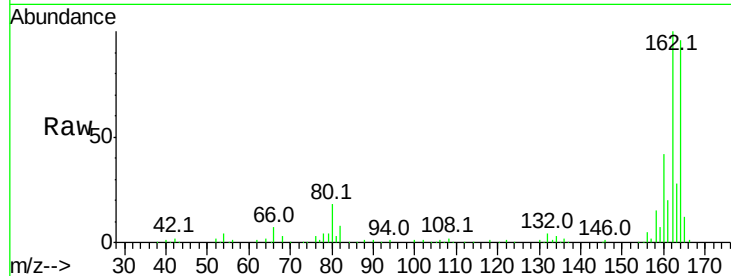




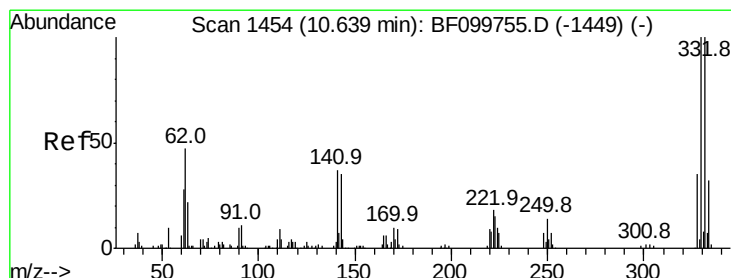
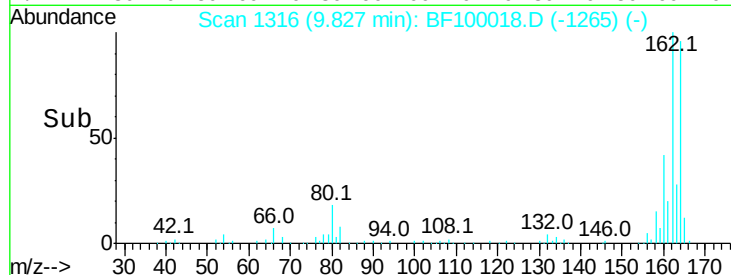
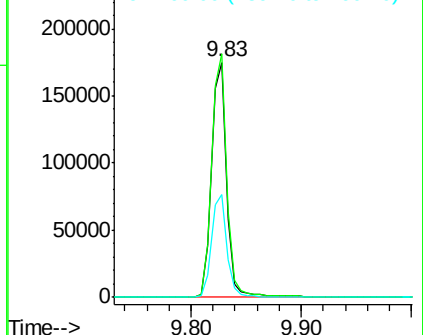
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 162455
Ion Ratio Lower Upper
164 100
162 103.7 86.1 129.1
160 44.0 38.3 57.5

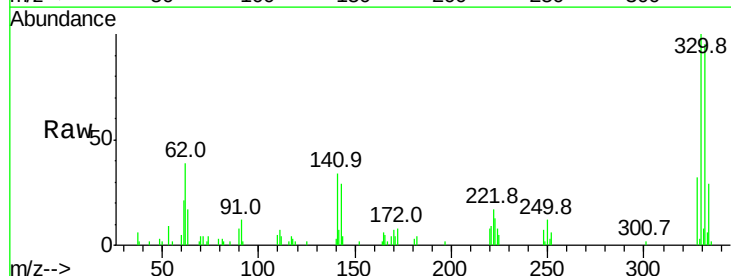


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

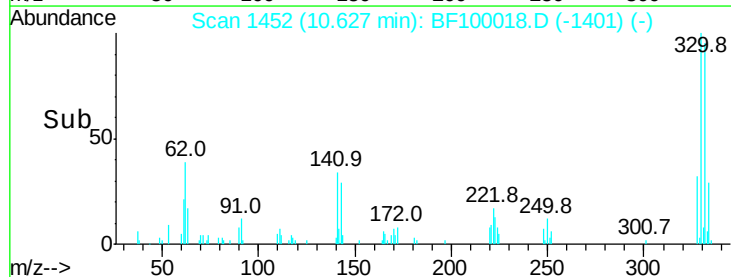
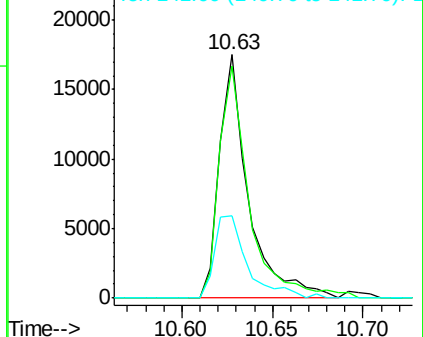


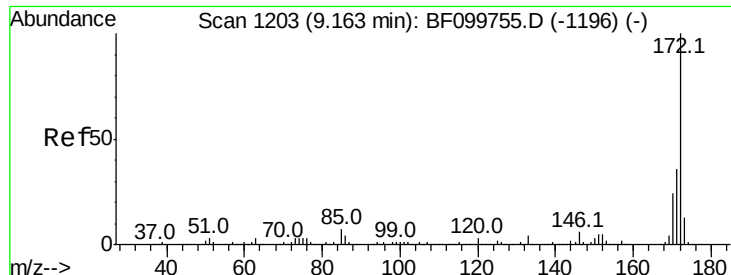
#41
2,4,6-Tribromophenol
Concen: 13.143 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

Tgt Ion:330 Resp: 19458
Ion Ratio Lower Upper
330 100
332 99.1 77.0 115.6
141 38.2 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

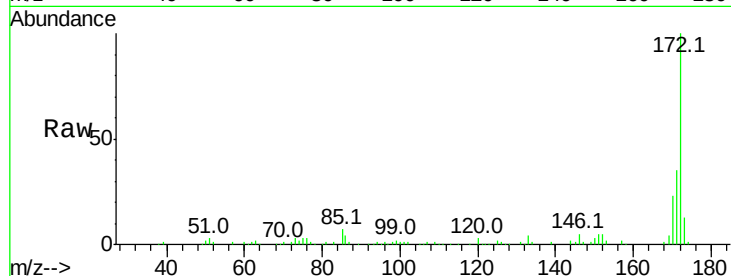




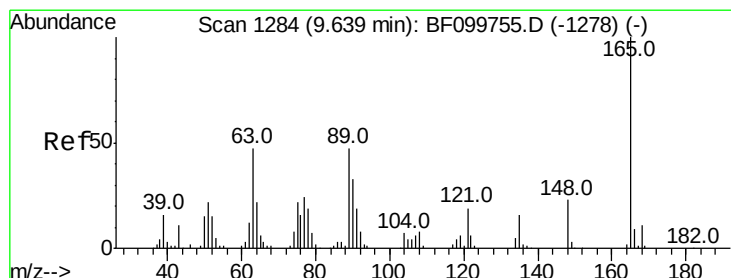
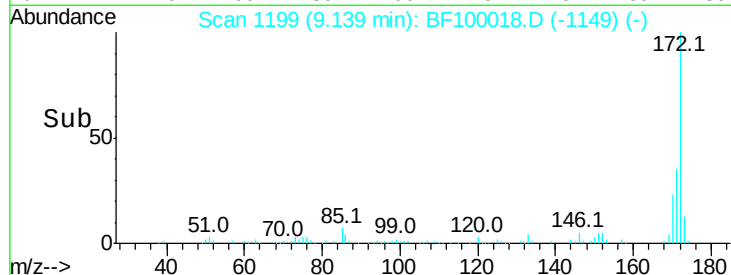
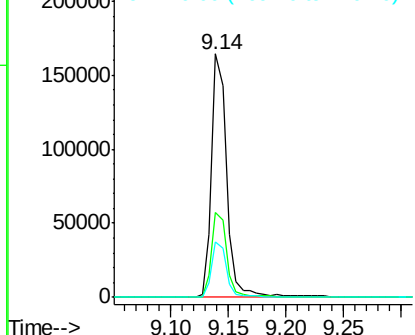
#44
 2-Fluorobiphenyl
 Concen: 14.393 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF100018.D
 Acq: 31 Oct 2017 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	22.5	19.6	29.4

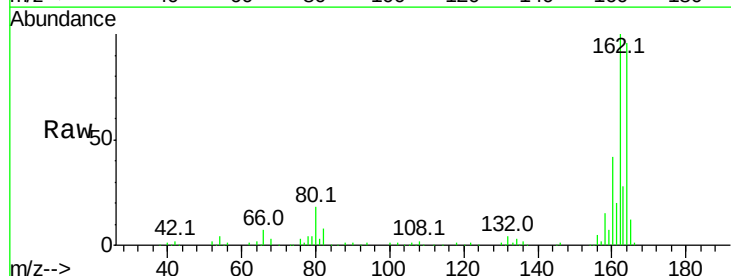


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

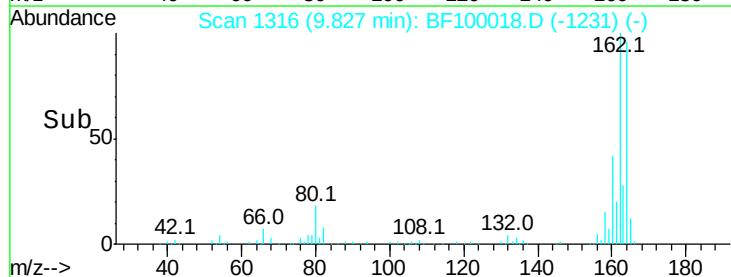
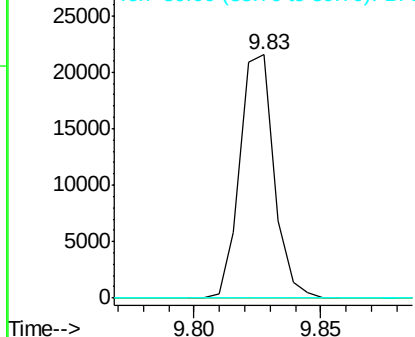


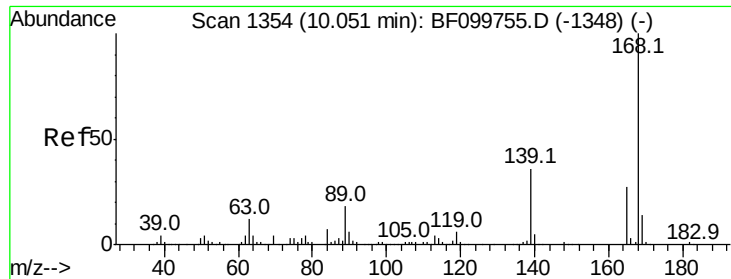
#50
 2,6-Dinitrotoluene
 Concen: 7.494 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.20 min
 Lab File: BF100018.D
 Acq: 31 Oct 2017 21:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1





#56

2,4-Dinitrotoluene

Concen: 6.223 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.21 min

Lab File: BF100018.D

Acq: 31 Oct 2017 21:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 20269

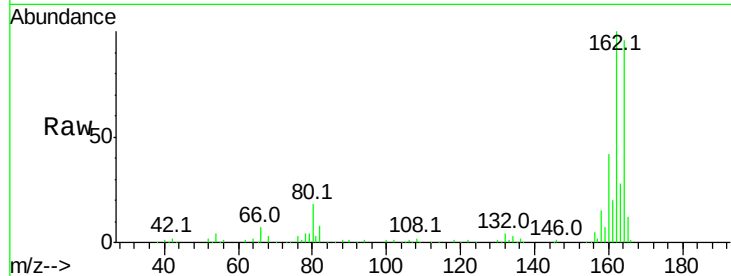
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

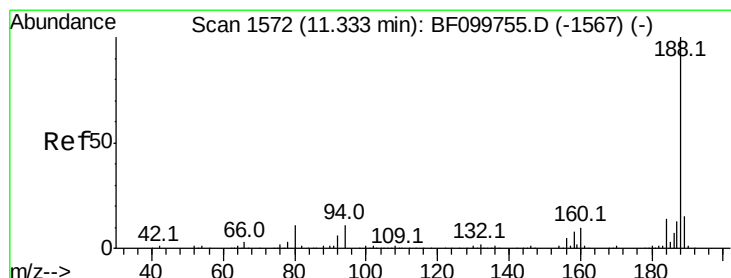
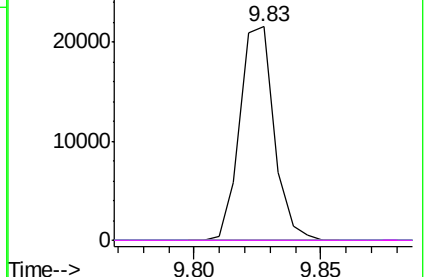
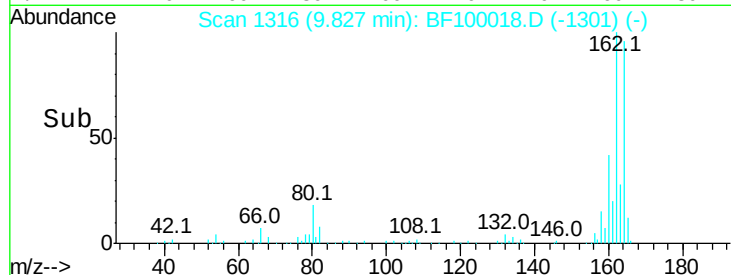


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF100018.D

Acq: 31 Oct 2017 21:51

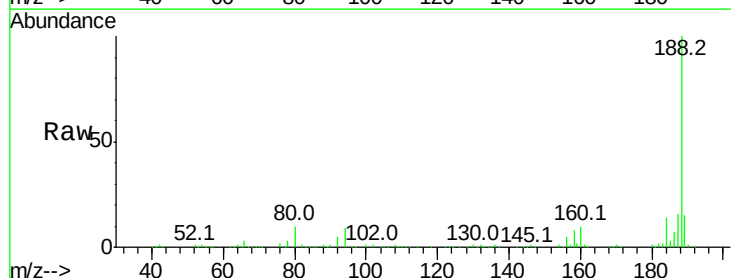
Tgt Ion:188 Resp: 269092

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

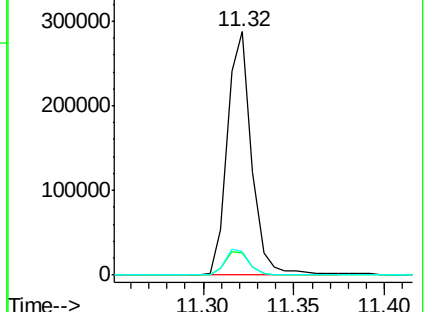
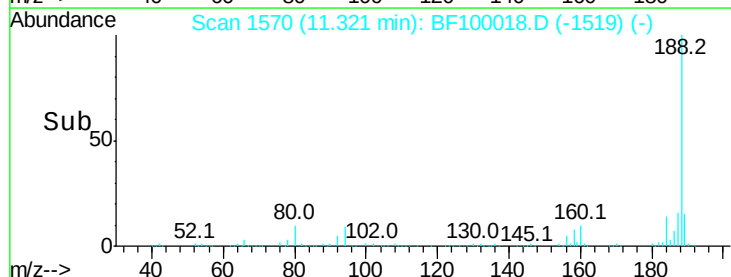
80 9.7 9.2 13.8

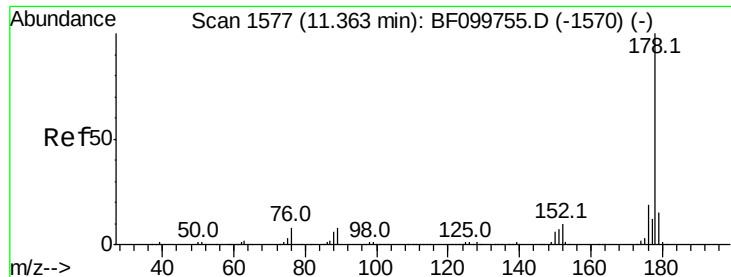


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

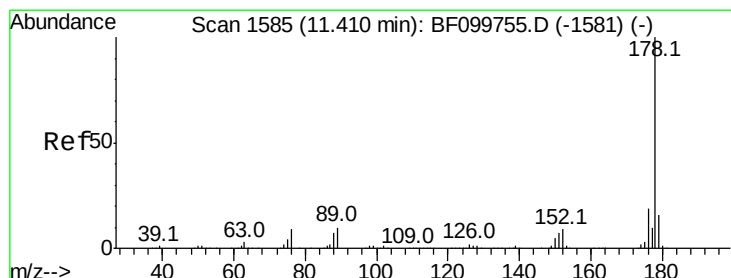
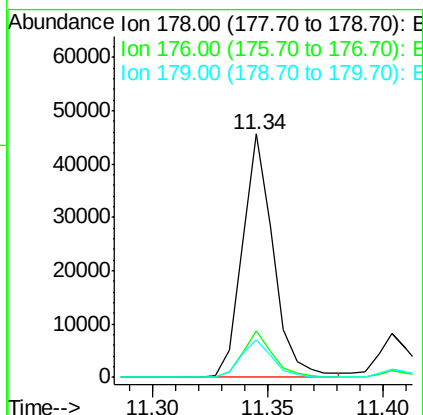
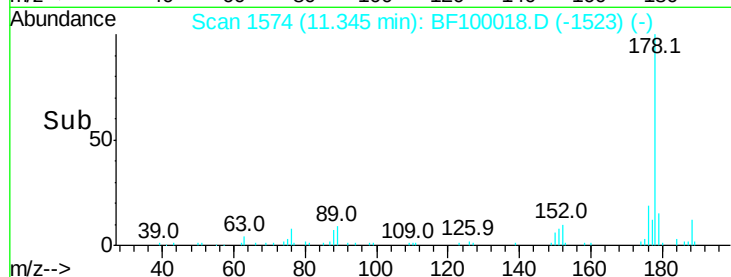
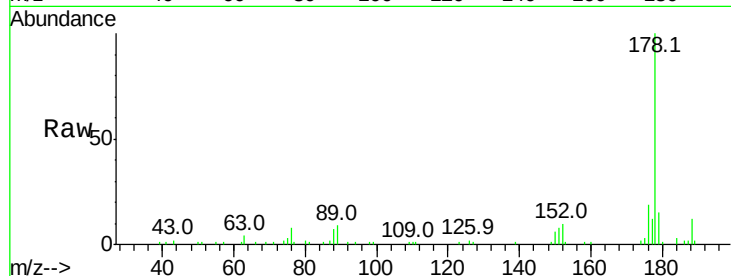




#70
Phenanthrene
Concen: 2.818 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

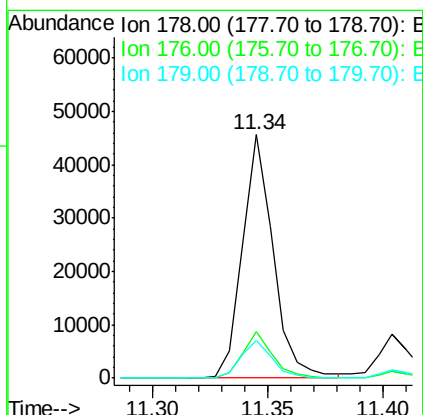
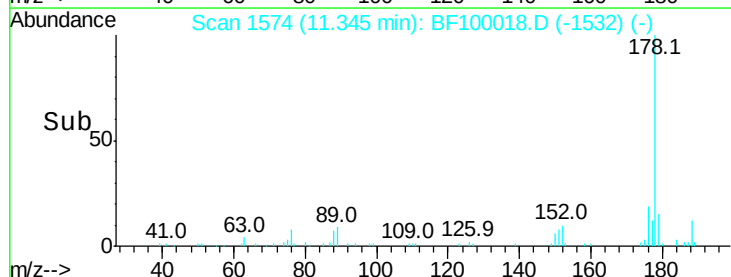
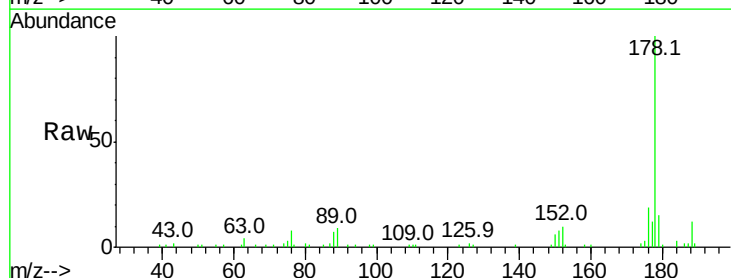
Instrument :
BNA_F
ClientSampleId :

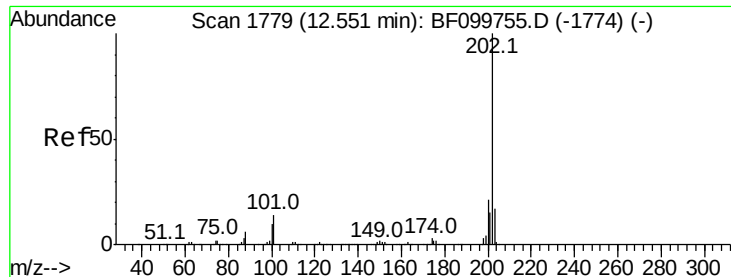
Tot Ion:178 Resp: 42793
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.4 13.0 19.6



#71
Anthracene
Concen: 2.776 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.05 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

Tgt Ion:178 Resp: 42793
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.4 12.6 19.0





#74

Fluoranthene

Concen: 4.210 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF100018.D

Acq: 31 Oct 2017 21:51

Instrument :

BNA_F

ClientSampleId :

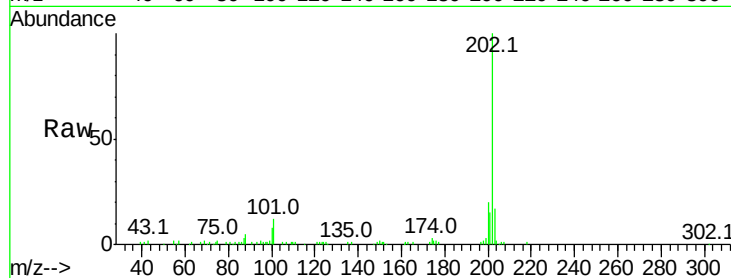
Tot Ion:202 Resp: 66435

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

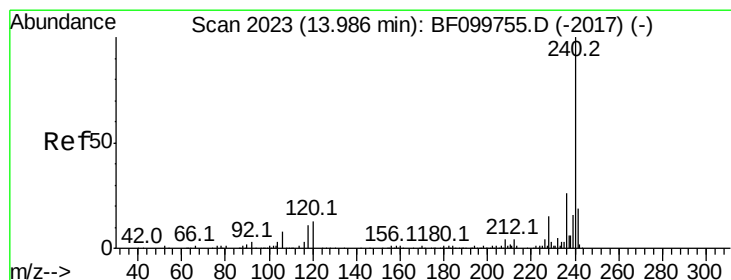
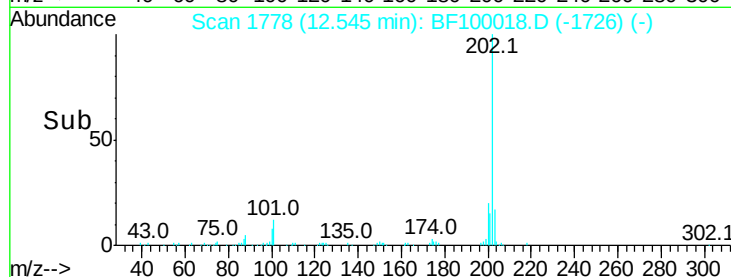
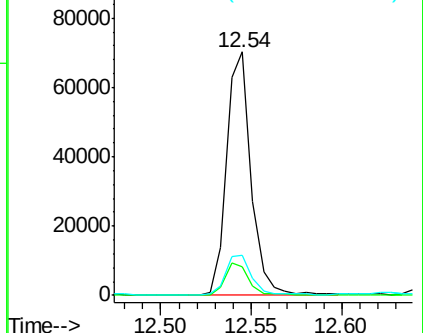
203 16.7 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF100018.D

Acq: 31 Oct 2017 21:51

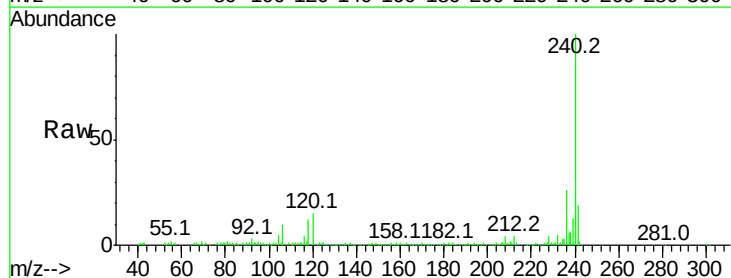
Tgt Ion:240 Resp: 161210

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

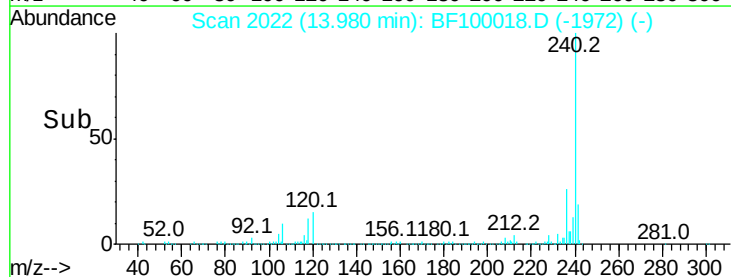
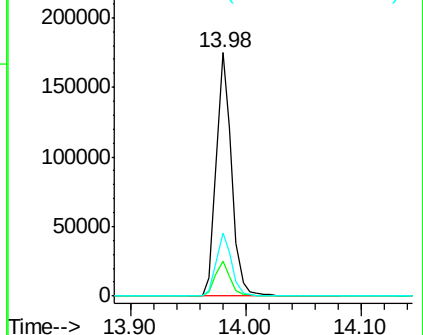
236 25.7 20.7 31.1

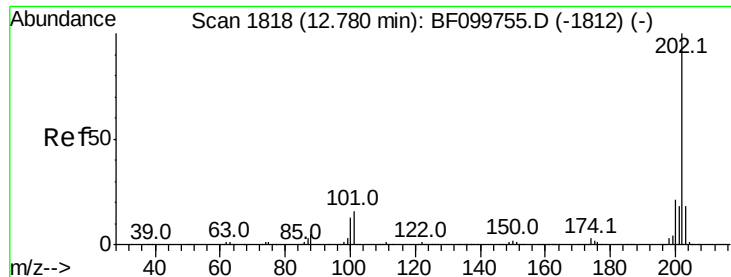


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

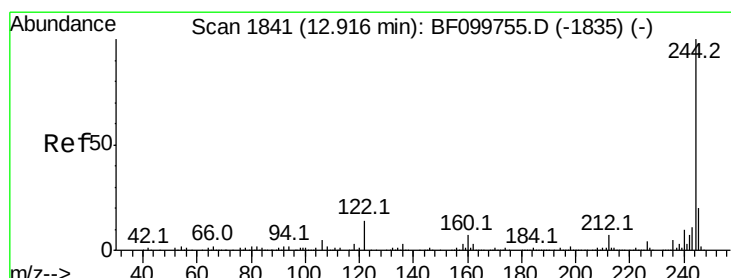
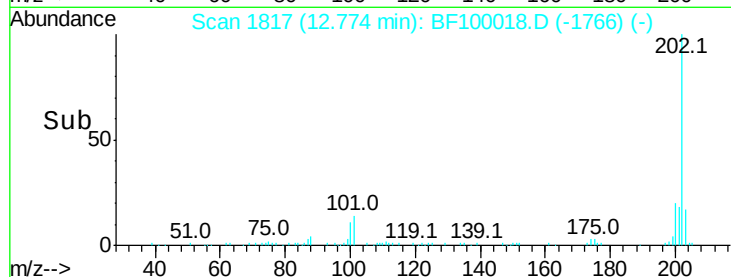
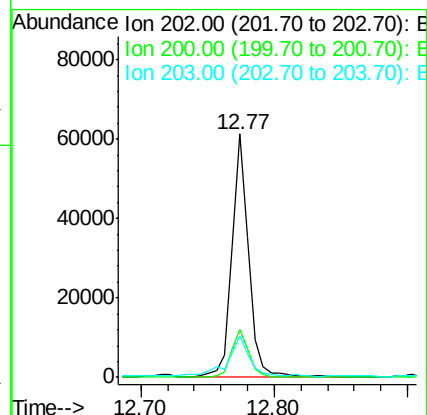
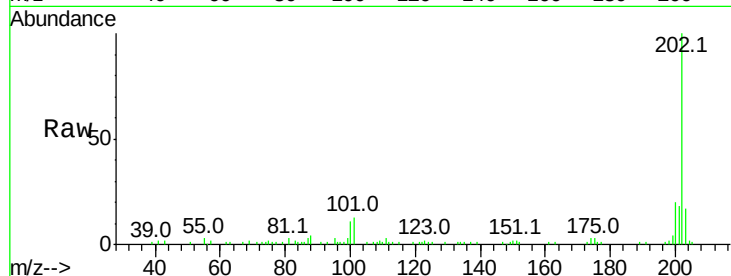




#77
Pvrene
Concen: 4.476 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

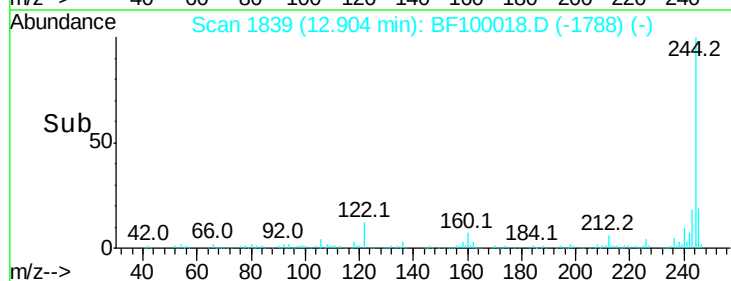
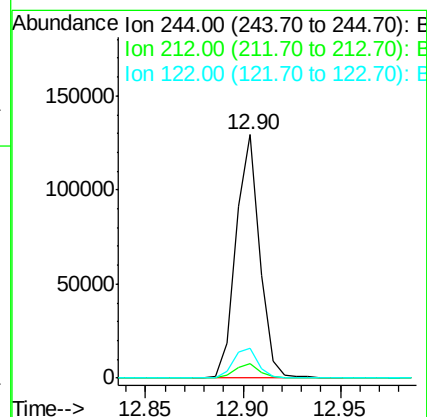
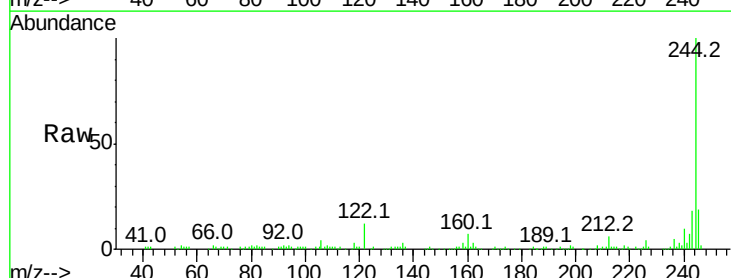
Instrument :
BNA_F
ClientSampleId :

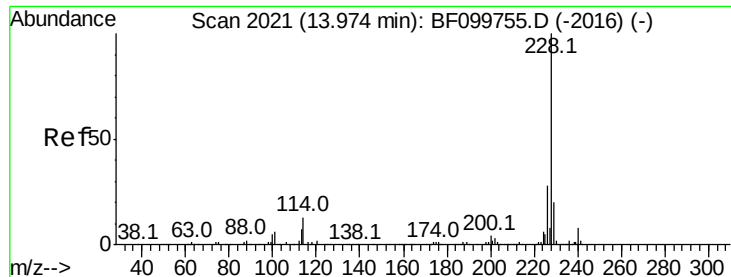
Tot Ion:202 Resp: 54864
Ion Ratio Lower Upper
202 100
200 19.5 17.4 26.2
203 17.2 14.3 21.5



#78
Terphenyl-d14
Concen: 14.797 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

Tgt Ion:244 Resp: 109155
Ion Ratio Lower Upper
244 100
212 6.2 5.4 8.0
122 12.4 11.0 16.4





#80

Benzo(a)anthracene

Concen: 2.016 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF100018.D

Acq: 31 Oct 2017 21:51

Instrument :

BNA_F

ClientSampleId :

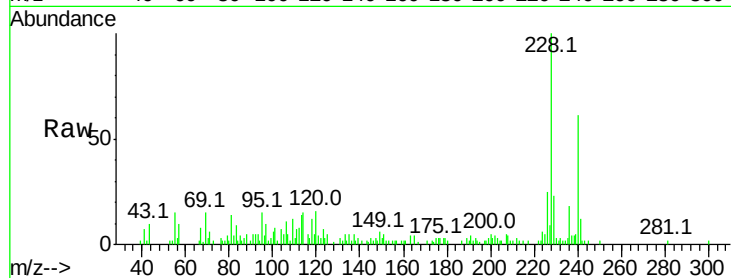
Tot Ion:228 Resp: 20599

Ion Ratio Lower Upper

228 100

226 25.1 22.6 33.8

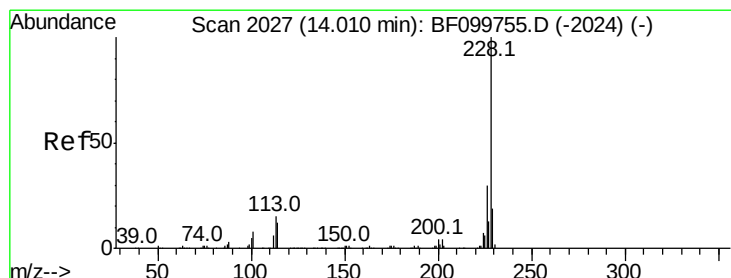
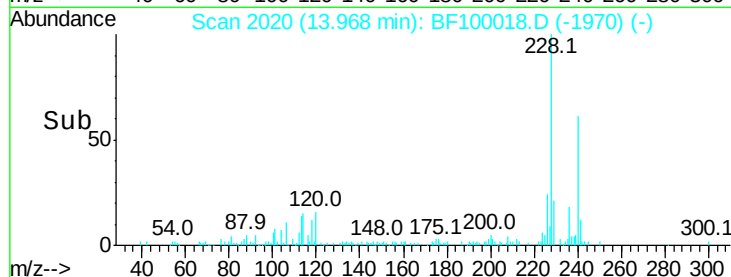
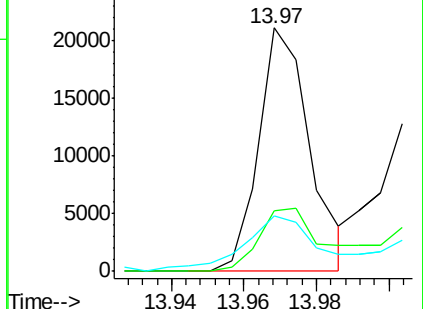
229 23.0 15.8 23.6



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: 2.540 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF100018.D

Acq: 31 Oct 2017 21:51

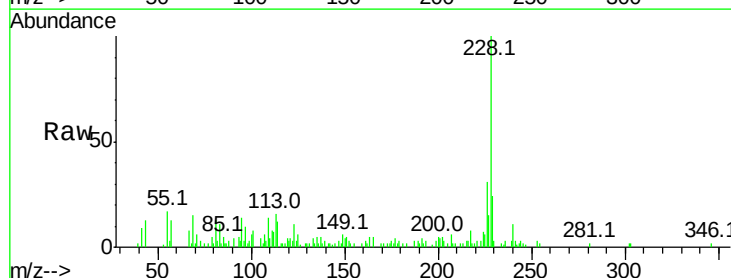
Tgt Ion:228 Resp: 24403

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

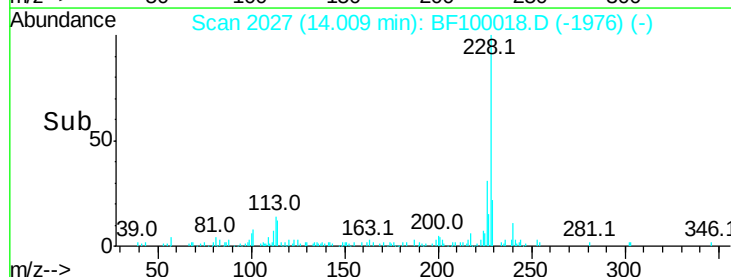
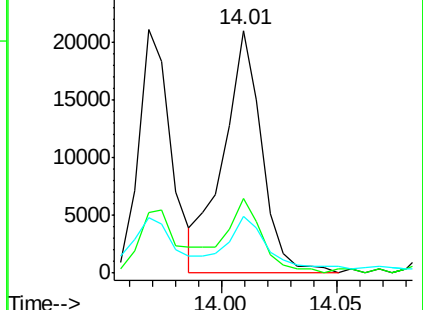
229 23.6 16.2 24.4

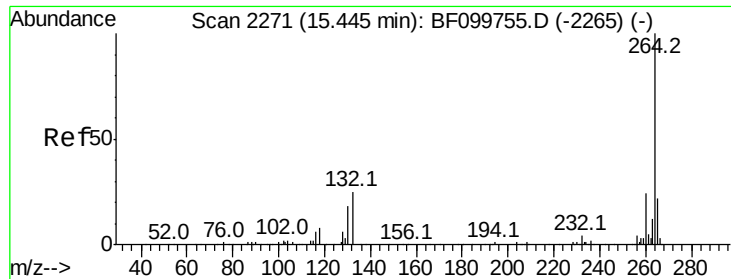


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

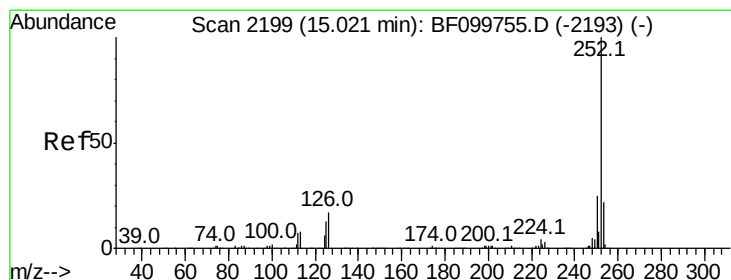
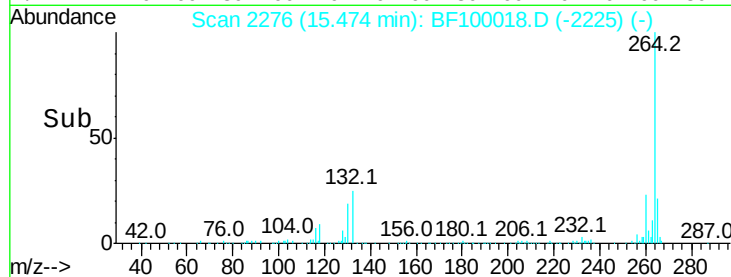
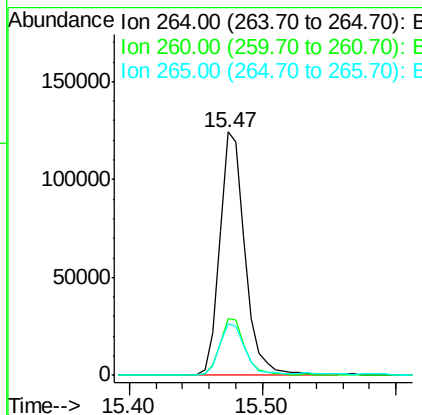
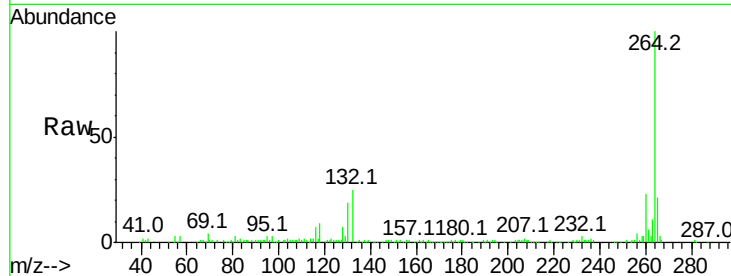




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

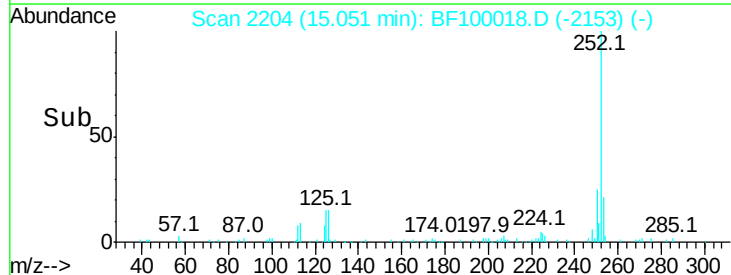
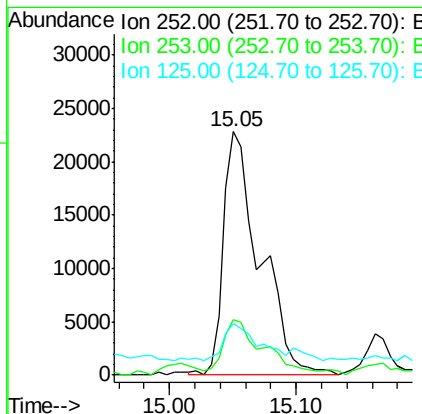
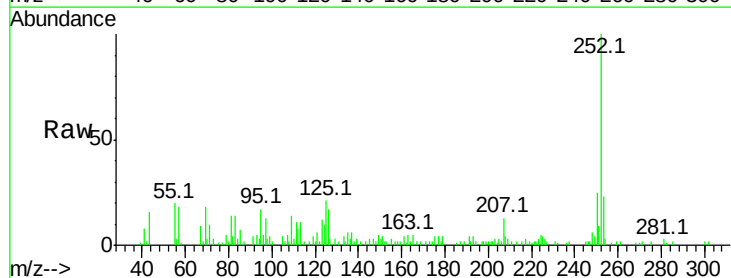
Instrument :
BNA_F
ClientSampleId :

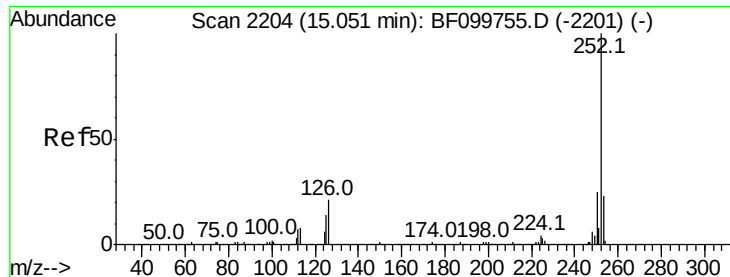
Tot Ion:264 Resp: 166267
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.379 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

Tgt Ion:252 Resp: 45976
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 21.3 9.0 13.6#

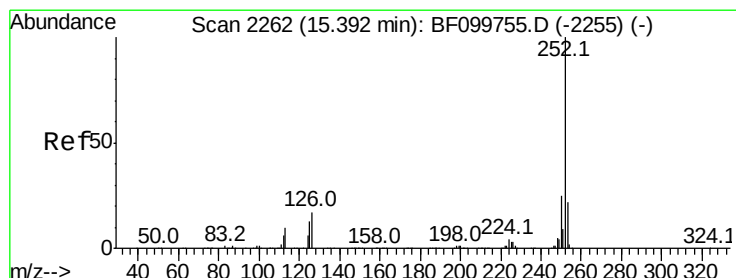
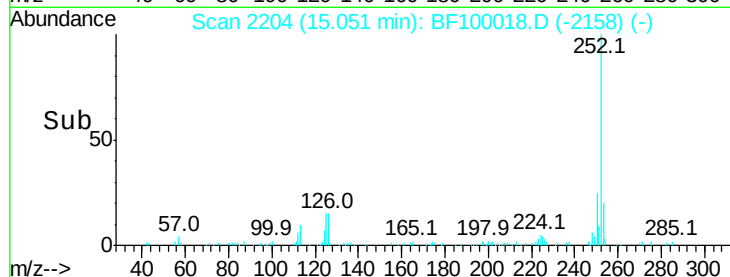
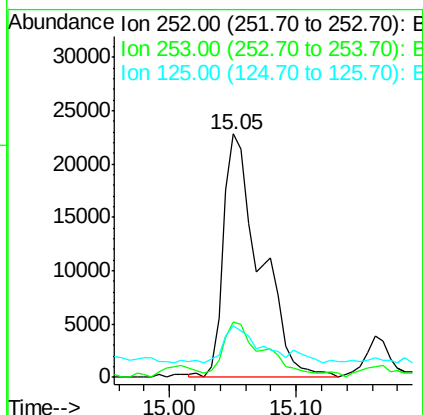
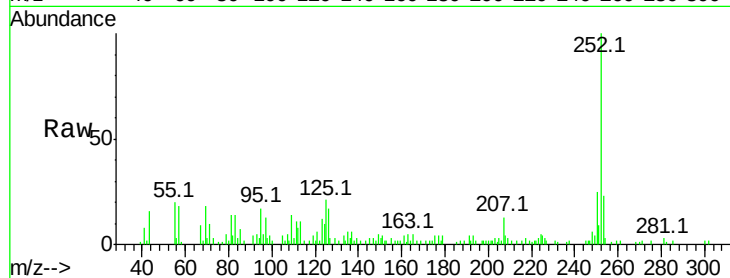




#88
Benzo(k)fluoranthene
Concen: 4.644 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	21.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.354 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BF100018.D
Acq: 31 Oct 2017 21:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.1	25.7
125	22.9	9.8	14.6

