

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104779.D
 Acq On : 25 Apr 2018 4:11
 Operator : JU/SJ
 Sample : J2497-09DL 50X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 04:53:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	90715	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	354596	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	145449	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	239082	20.00	ng	0.00
75) Chrysene-d12	13.99	240	188728	20.00	ng	0.00
86) Perylene-d12	15.46	264	130519	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	741	0.12	ng	0.04
7) Phenol-d6	6.47	99	959	0.13	ng	0.03
23) Nitrobenzene-d5	7.38	82	976	0.18	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	412	0.27	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2968	0.32	ng	0.00
78) Terphenyl-d14	12.92	244	5050	0.61	ng	0.00

Target Compounds

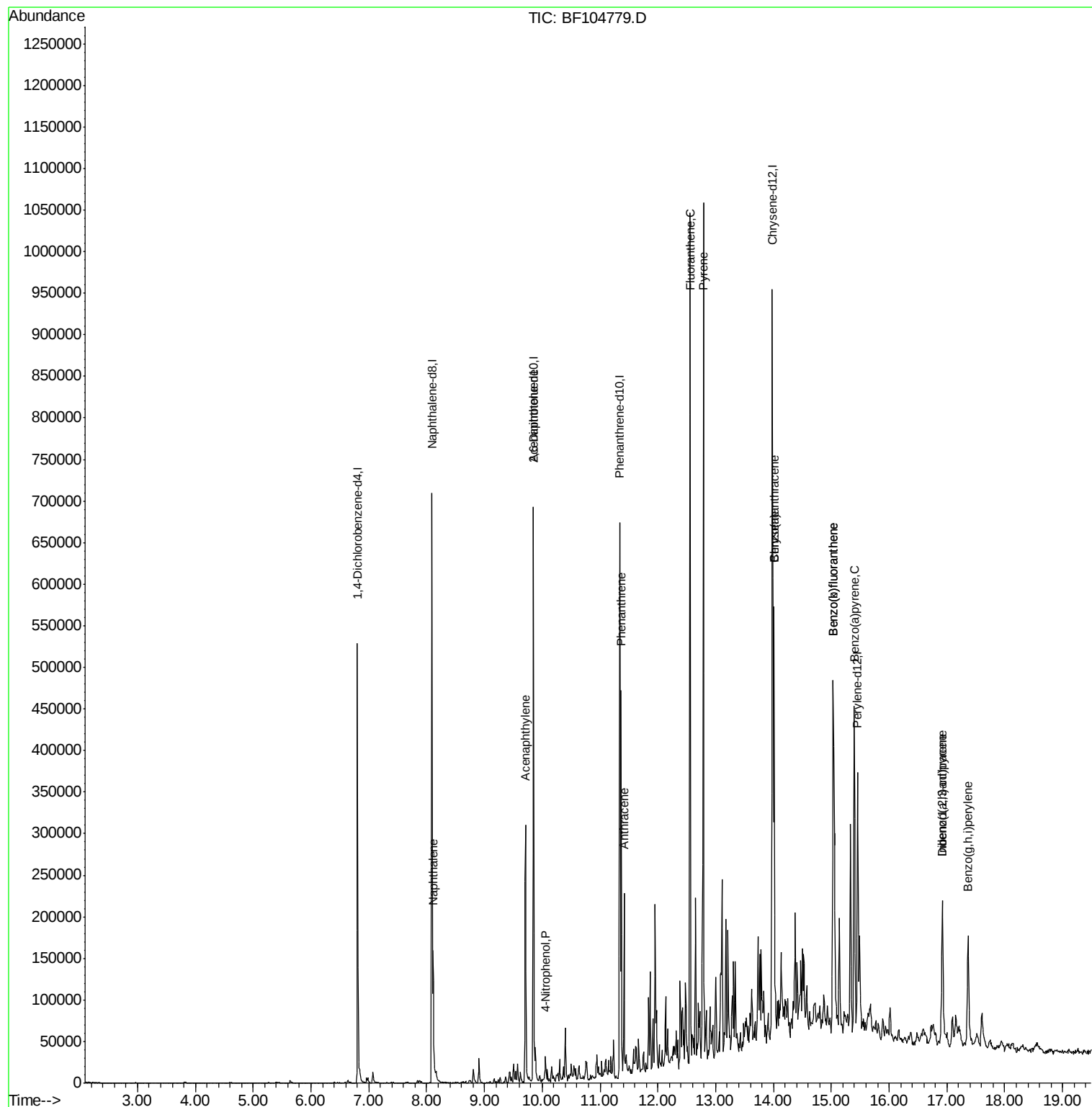
						Qvalue
31) Naphthalene	8.11	128	63870	3.617	ng	98
48) Acenaphthylene	9.71	152	141911	9.372	ng	99
50) 2,6-Dinitrotoluene	9.85	165	18355	8.648	ng	# 26
55) 4-Nitrophenol	10.06	139	5799	2.971	ng	# 12
70) Phenanthrene	11.36	178	164581	12.361	ng	97
71) Anthracene	11.42	178	89723	6.629	ng	99
74) Fluoranthene	12.56	202	382079	27.466	ng	96
76) Benzidine	12.69	184	2476	Below Cal	#	73
77) Pyrene	12.79	202	378982	27.091	ng	99
80) Benzo(a)anthracene	14.01	228	198270	17.585	ng	97
82) Chrysene	14.01	228	198270	17.120	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	103995	10.571	ng	# 90
87) Benzo(b)fluoranthene	15.03	252	309189	37.508	ng	99
88) Benzo(k)fluoranthene	15.03	252	309189	39.729	ng	98
89) Benzo(a)pyrene	15.40	252	173920	23.580	ng	97
90) Dibenzo(a,h)anthracene	16.93	278	31105	5.135	ng	# 76
91) Benzo(g,h,i)perylene	17.37	276	104192	17.753	ng	94

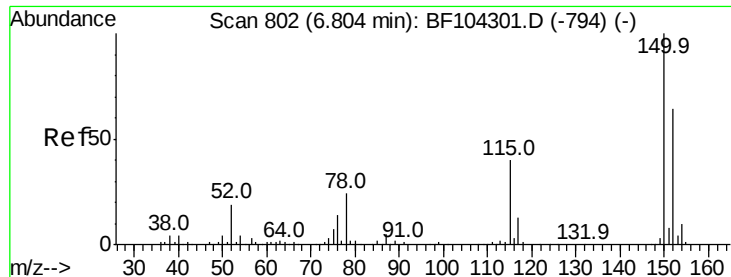
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104779.D
Acq On : 25 Apr 2018 4:11
Operator : JU/SJ
Sample : J2497-09DL 50X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 25 04:53:56 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration



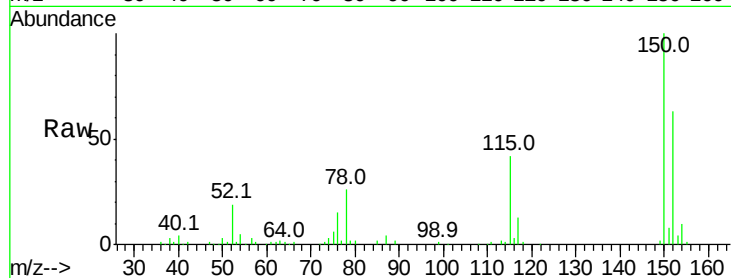


#1

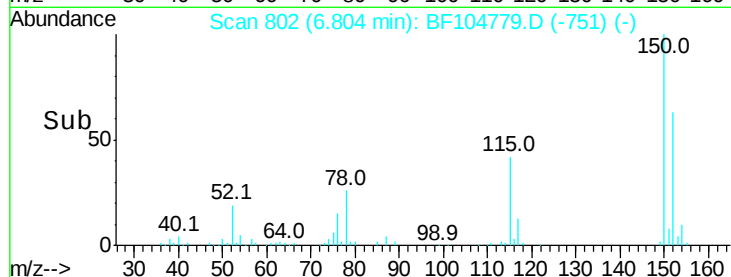
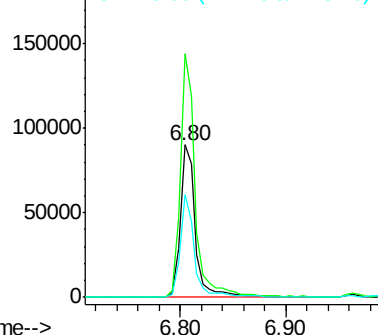
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90715
Ion Ratio Lower Upper
152 100
150 160.0 124.6 186.8
115 67.2 50.1 75.1



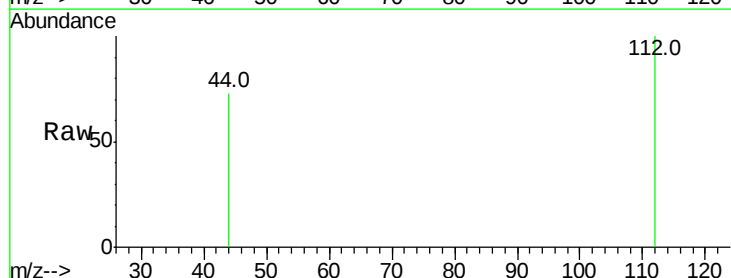
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



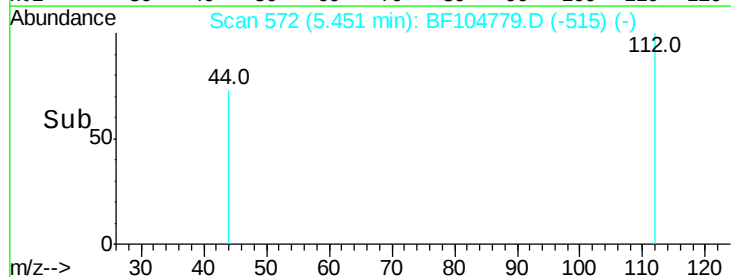
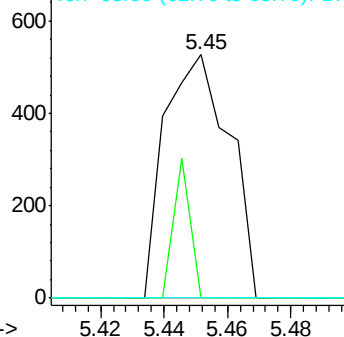
#5

2-Fluorophenol
Concen: 0.125 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.04 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:112 Resp: 741
Ion Ratio Lower Upper
112 100
64 0.0 47.9 71.9#
63 0.0 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: 0.132 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.03 min

Lab File: BF104779.D

Acq: 25 Apr 2018 4:11

Instrument :

BNA_F

ClientSampleId :

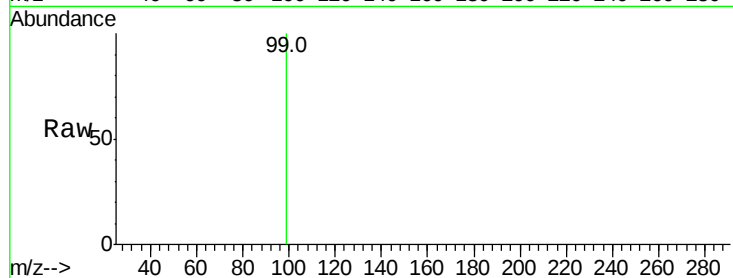
Tot Ion: 99 Resp: 959

Ion Ratio Lower Upper

99 100

42 0.0 14.5 21.7#

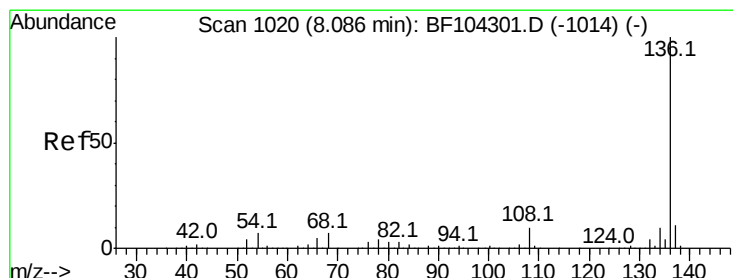
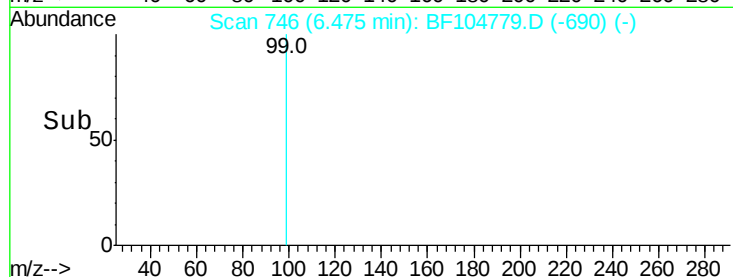
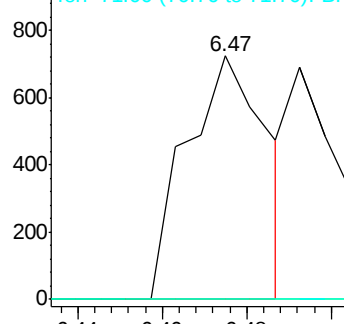
71 0.0 25.4 38.0#



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: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104779.D

Acq: 25 Apr 2018 4:11

Tgt Ion: 136 Resp: 354596

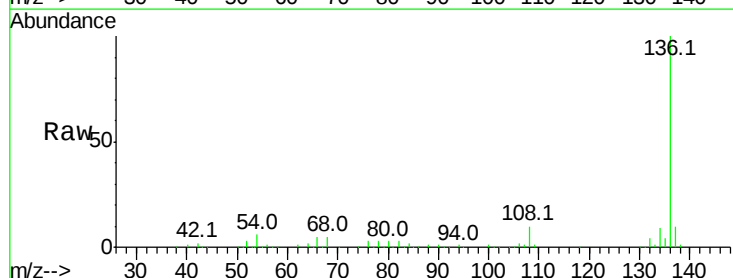
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 6.0 6.6 9.8#

68 5.0 5.0 7.4

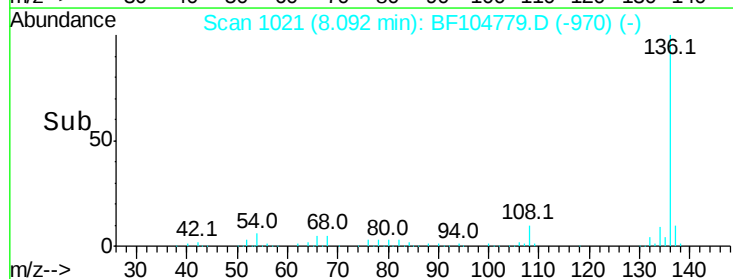
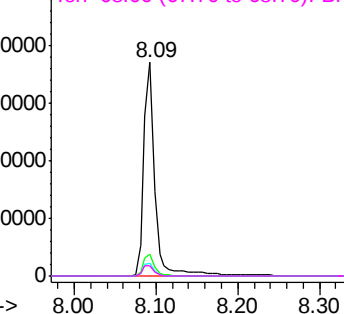


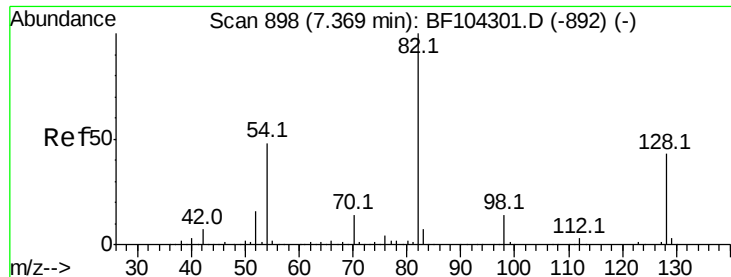
Abundance Ion 136.00 (135.70 to 136.70): E

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

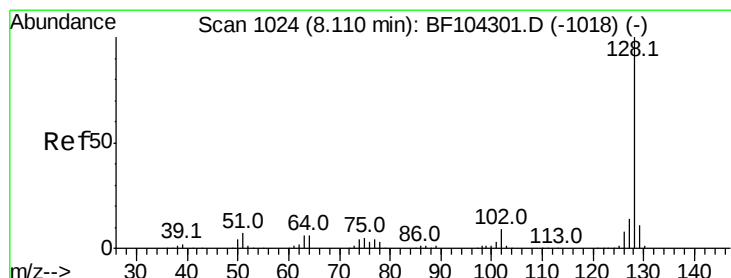
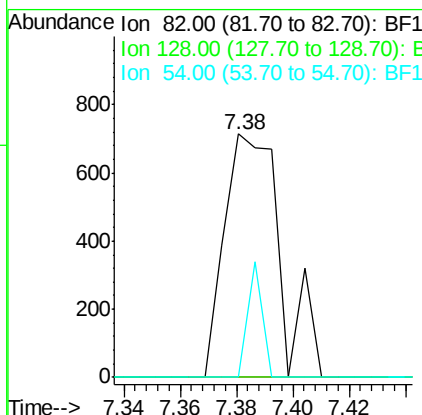
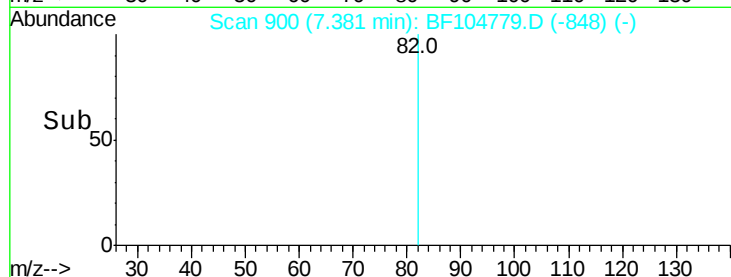
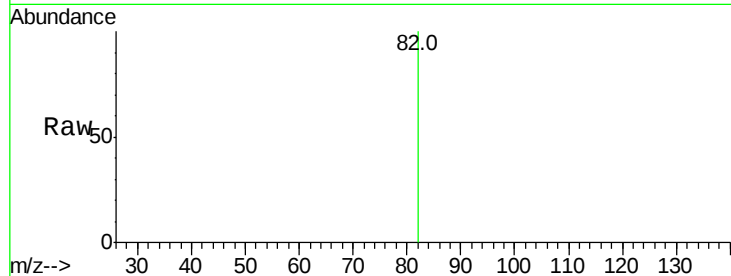




#23
 Nitrobenzene-d5
 Concen: 0.180 ng
 RT: 7.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: BF104779.D
 Acq: 25 Apr 2018 4:11

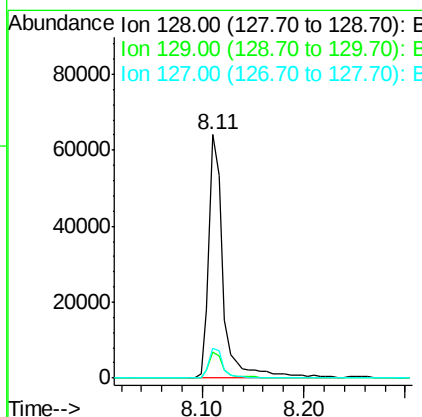
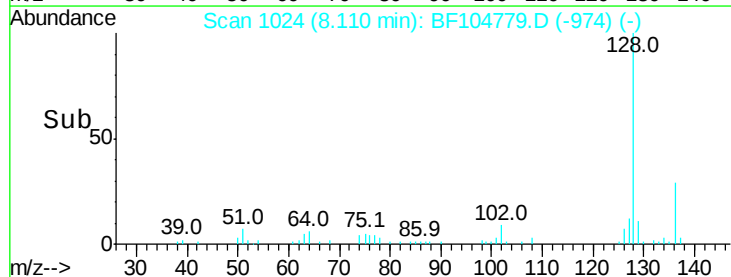
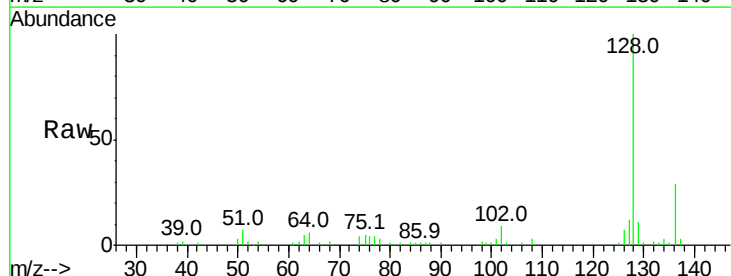
Instrument :
 BNA_F
 ClientSampleId :

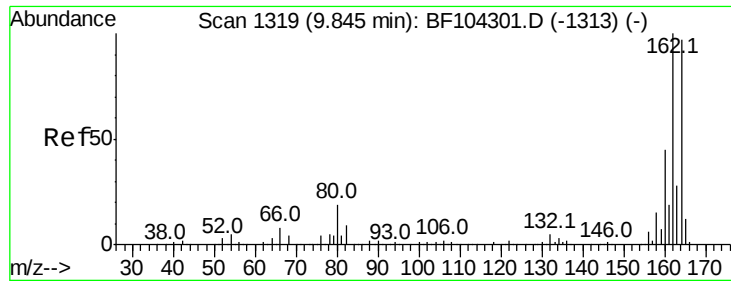
Tot Ion: 82 Resp: 976
 Ion Ratio Lower Upper
 82 100
 128 0.0 36.1 54.1#
 54 0.0 41.4 62.2#



#31
 Naphthalene
 Concen: 3.617 ng
 RT: 8.11 min Scan# 1024
 Delta R.T. -0.01 min
 Lab File: BF104779.D
 Acq: 25 Apr 2018 4:11

Tgt Ion:128 Resp: 63870
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.8 13.2
 127 12.4 10.9 16.3

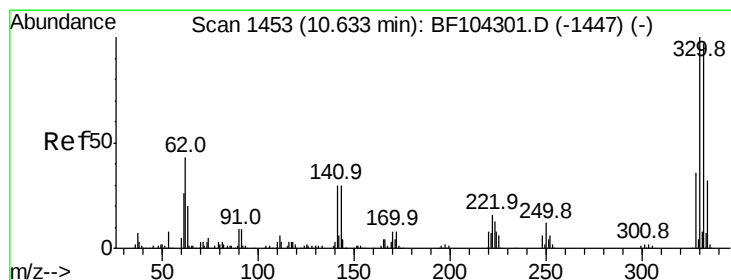
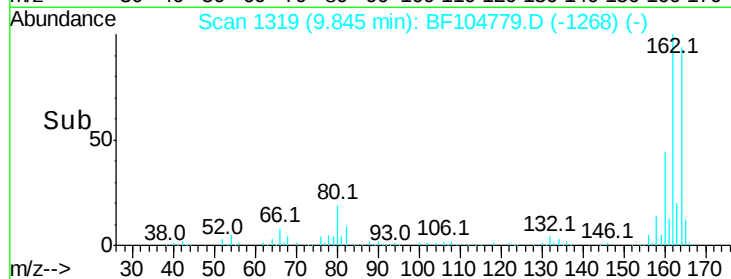
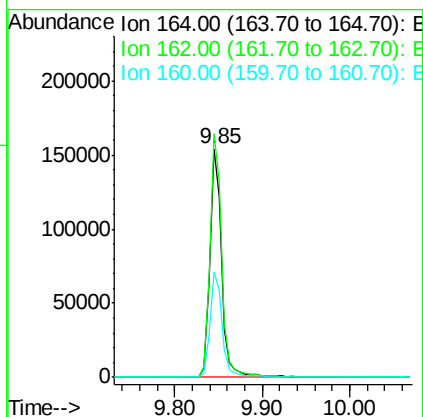
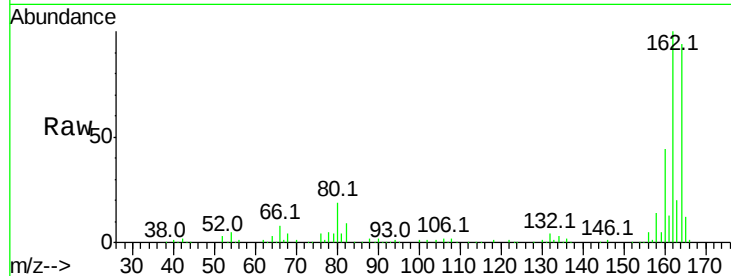




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104779.D
 Acq: 25 Apr 2018 4:11

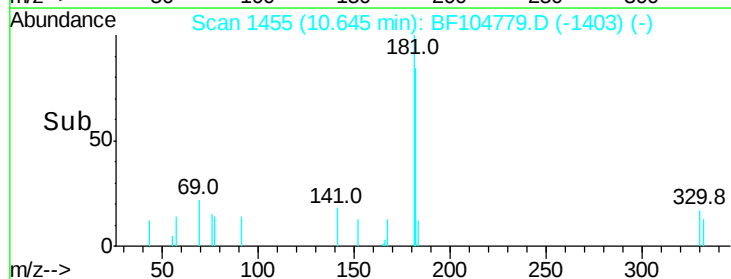
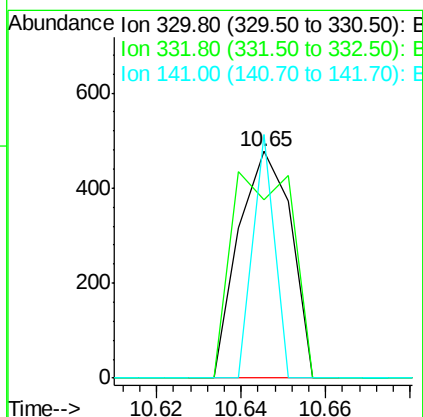
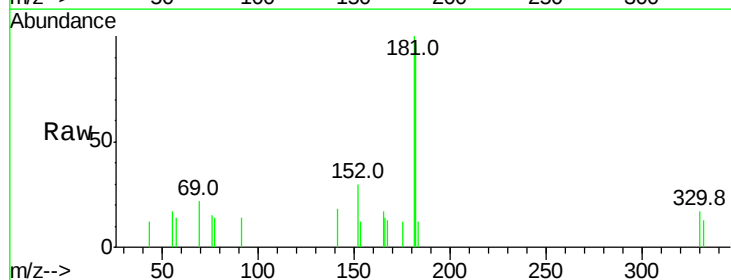
Instrument :
 BNA_F
 ClientSampleId :

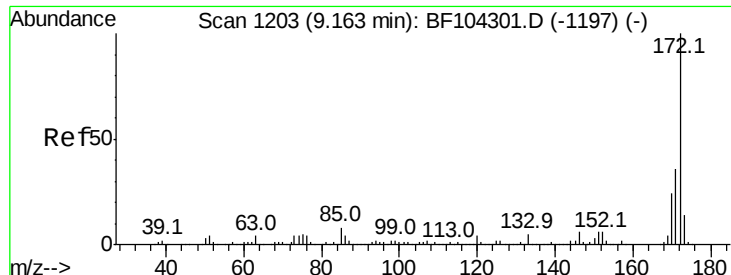
Tot Ion:164 Resp: 145449
 Ion Ratio Lower Upper
 164 100
 162 106.5 86.1 129.1
 160 46.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 0.273 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104779.D
 Acq: 25 Apr 2018 4:11

Tgt Ion:330 Resp: 412
 Ion Ratio Lower Upper
 330 100
 332 105.8 77.0 115.6
 141 43.9 29.9 44.9

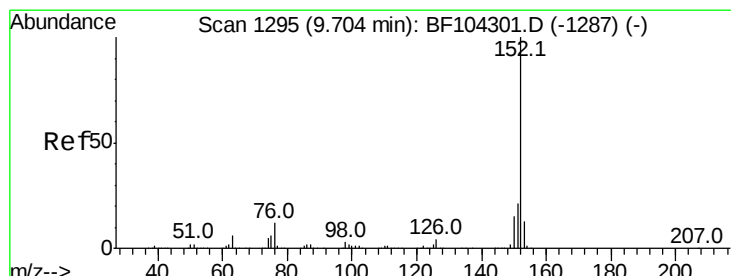
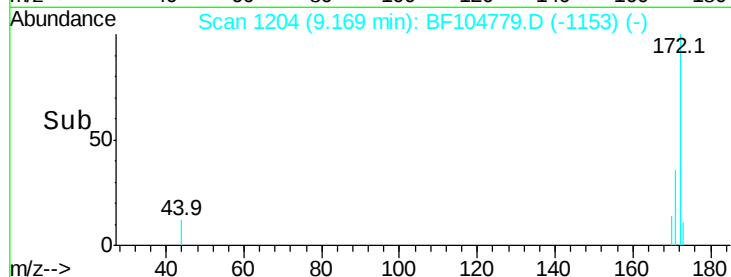
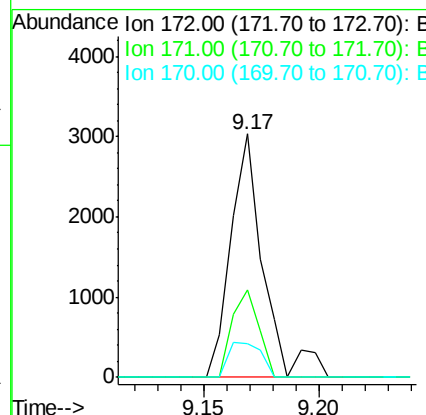
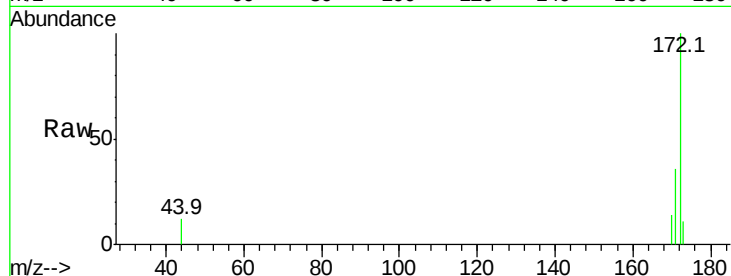




#44
 2-Fluorobiphenyl
 Concen: 0.322 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104779.D
 Acq: 25 Apr 2018 4:11

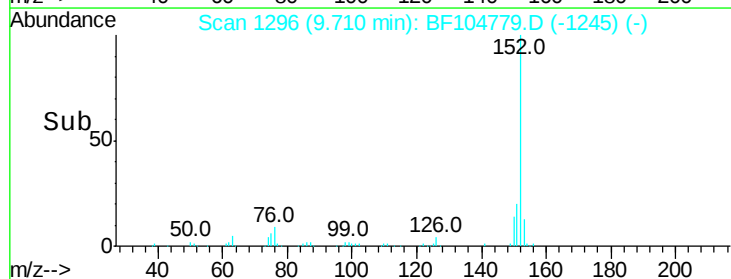
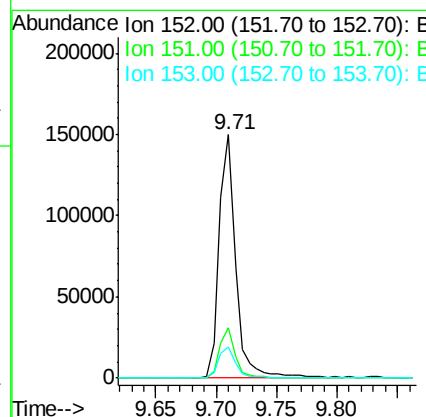
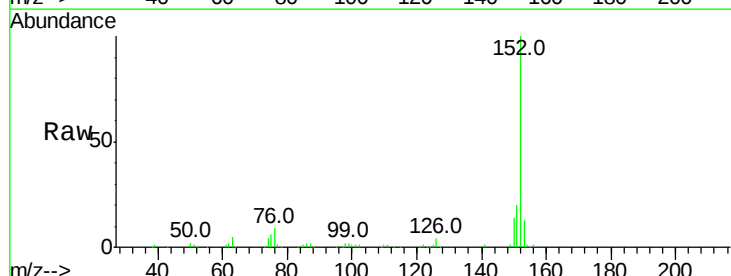
Instrument :
 BNA_F
 ClientSampleId :

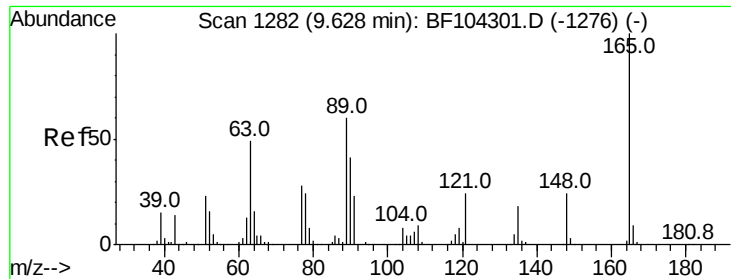
Tot Ion:172 Resp: 2968
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 13.9 19.6 29.4#



#48
 Acenaphthylene
 Concen: 9.372 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: BF104779.D
 Acq: 25 Apr 2018 4:11

Tgt Ion:152 Resp: 141911
 Ion Ratio Lower Upper
 152 100
 151 20.5 16.3 24.5
 153 12.9 10.7 16.1

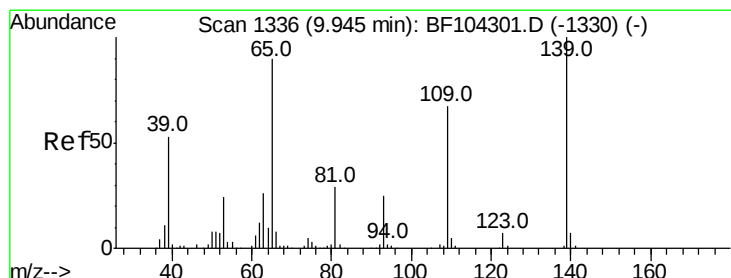
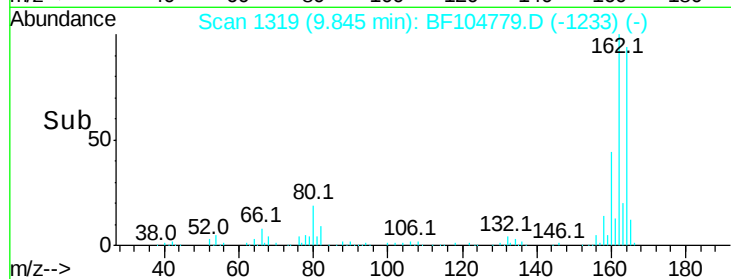
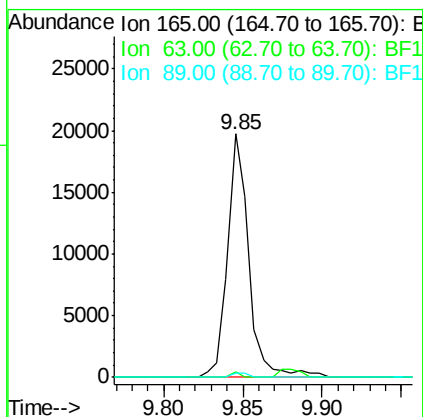
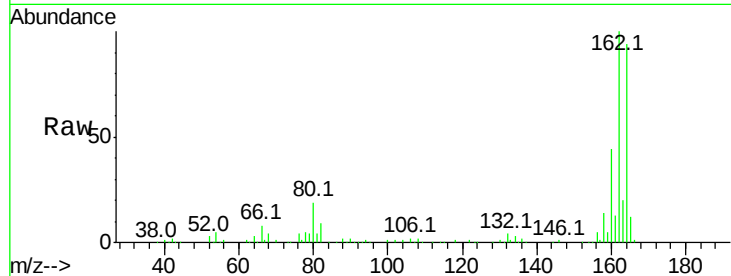




#50
 2,6-Dinitrotoluene
 Concen: 8.648 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104779.D
 Acq: 25 Apr 2018 4:11

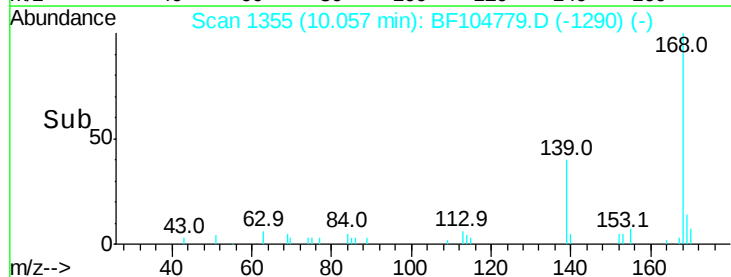
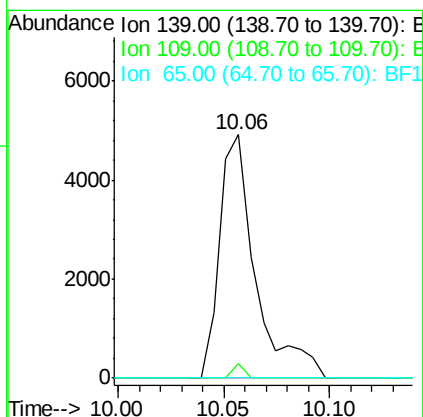
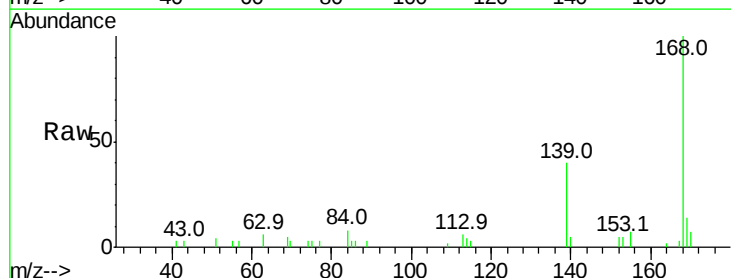
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.7	67.1#
89	1.8	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 2.971 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. 0.08 min
 Lab File: BF104779.D
 Acq: 25 Apr 2018 4:11

Tgt Ion	Ratio	Lower	Upper
139	100		
109	6.1	48.4	88.4#
65	0.0	72.6	112.6#

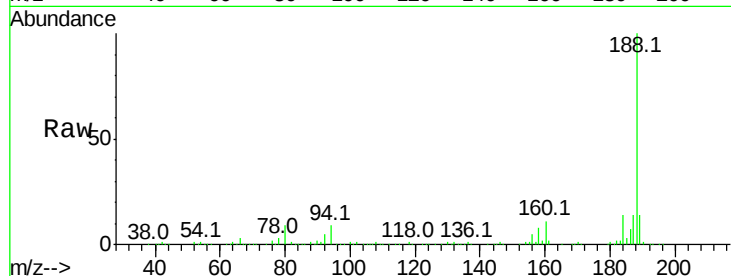




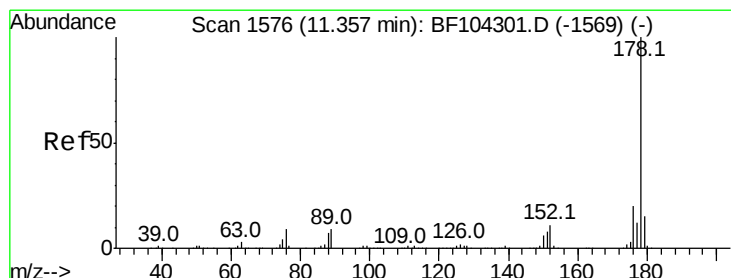
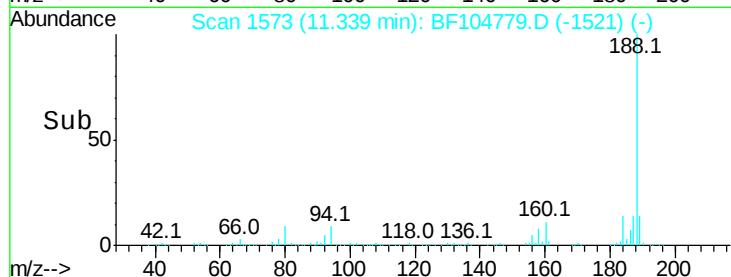
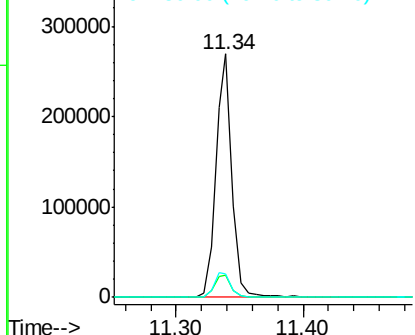
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 239082
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 9.4 9.2 13.8

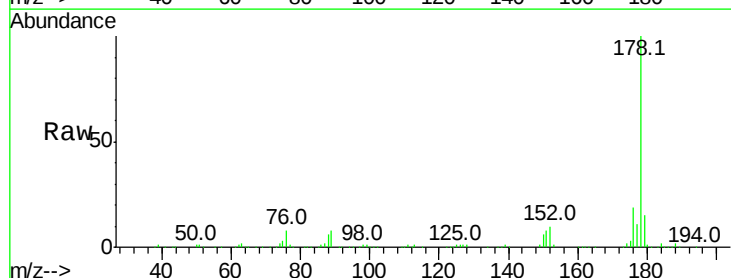


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

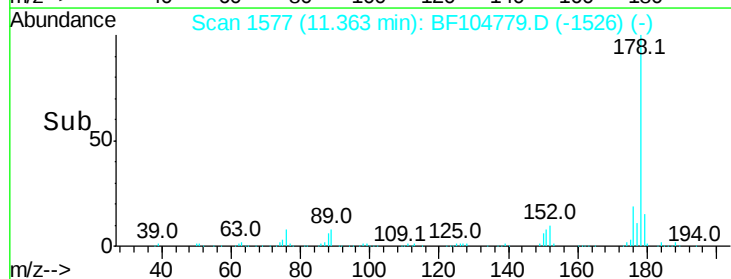
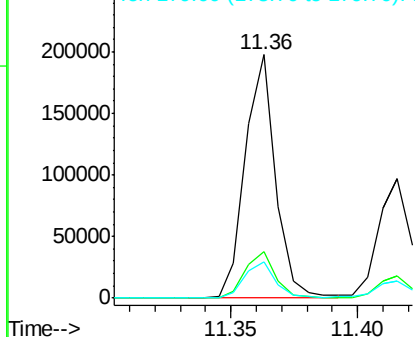


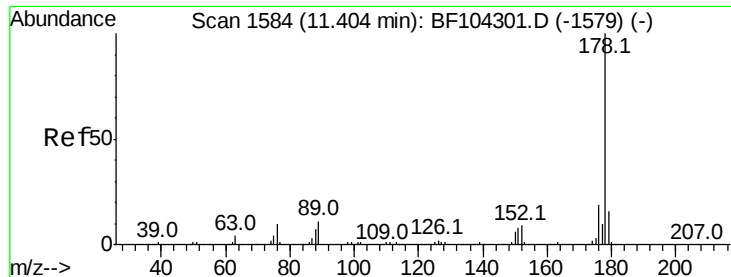
#70
Phenanthrene
Concen: 12.361 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:178 Resp: 164581
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 14.7 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: 6.629 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF104779.D

Acq: 25 Apr 2018 4:11

Instrument :

BNA_F

ClientSampled :

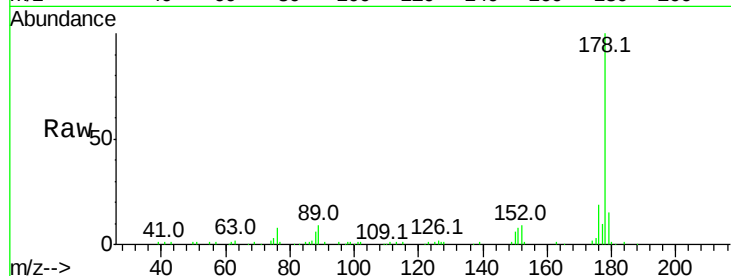
Tot Ion:178 Resp: 89723

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

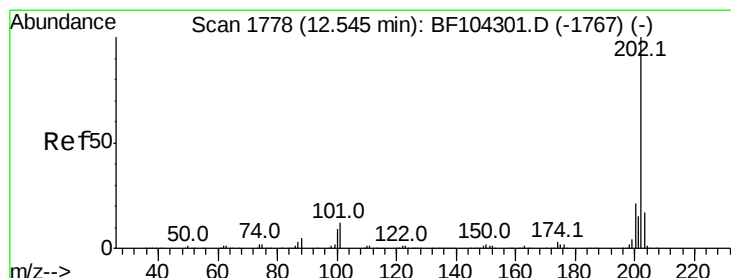
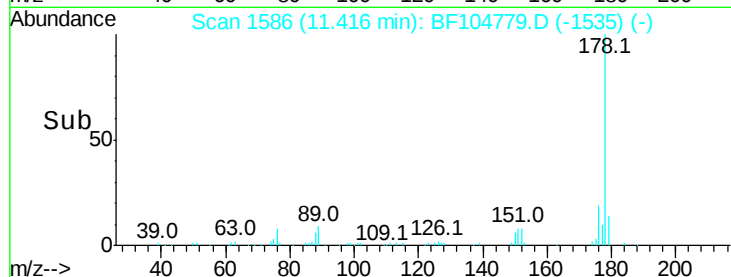
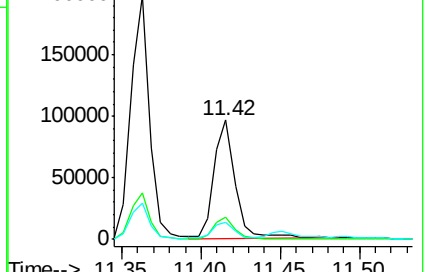
179 14.8 12.6 19.0



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: 27.466 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104779.D

Acq: 25 Apr 2018 4:11

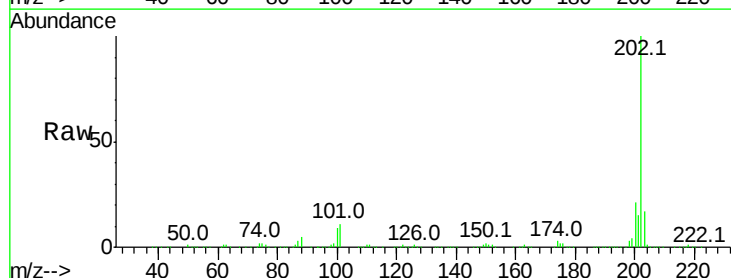
Tgt Ion:202 Resp: 382079

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

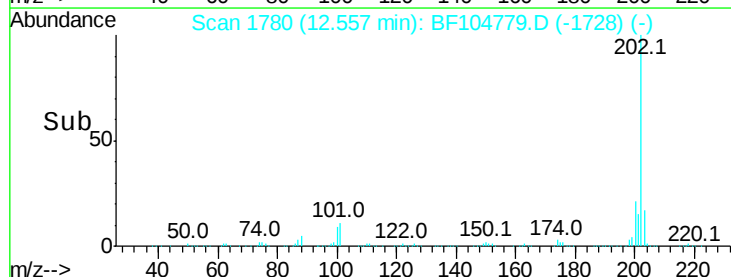
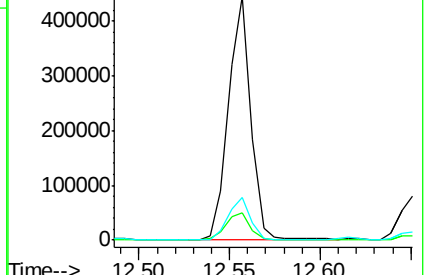
203 17.4 0.0 38.1

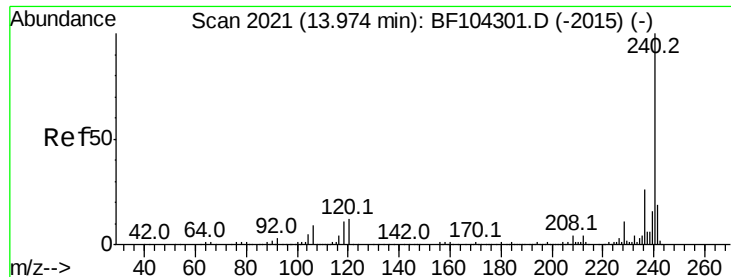


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104779.D

Acq: 25 Apr 2018 4:11

Instrument :

BNA_F

ClientSampleId :

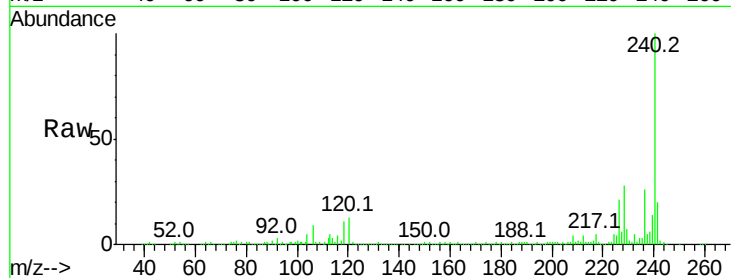
Tot Ion:240 Resp: 188728

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

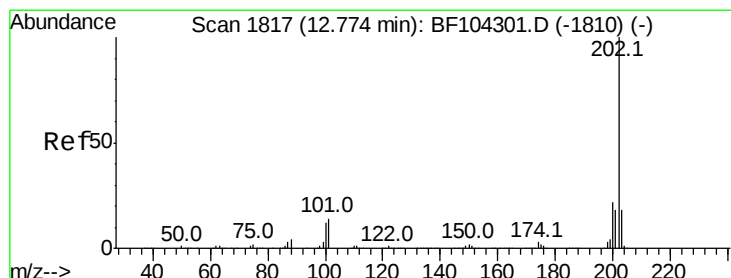
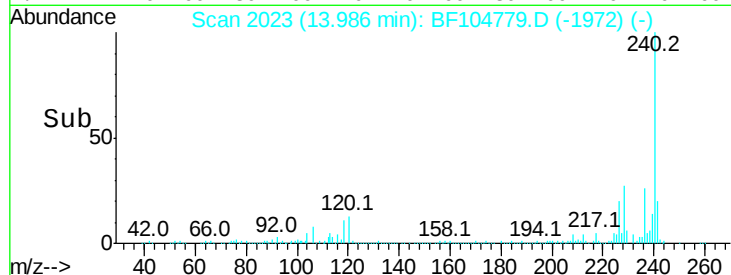
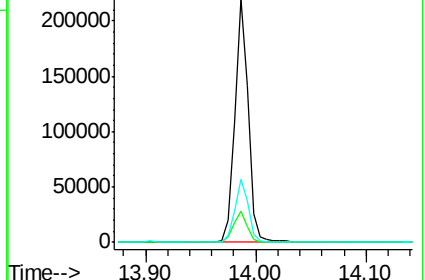
236 26.2 20.7 31.1



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: 27.091 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104779.D

Acq: 25 Apr 2018 4:11

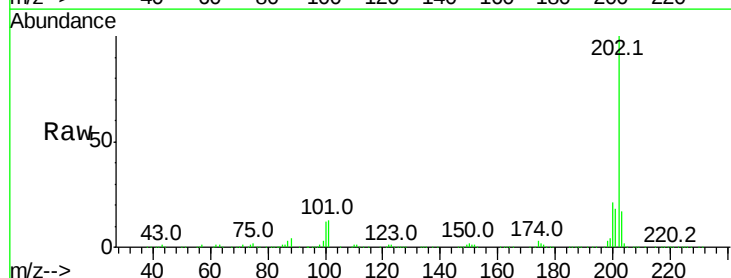
Tgt Ion:202 Resp: 378982

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

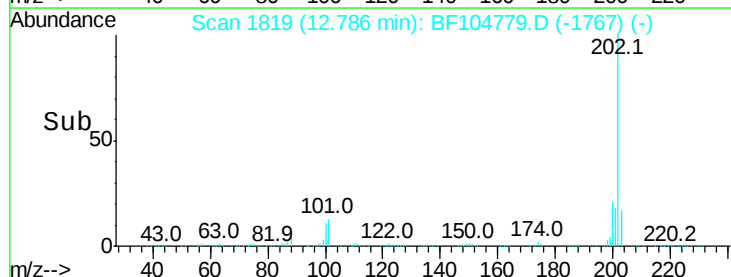
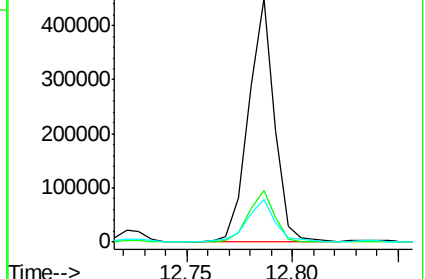
203 17.4 14.3 21.5

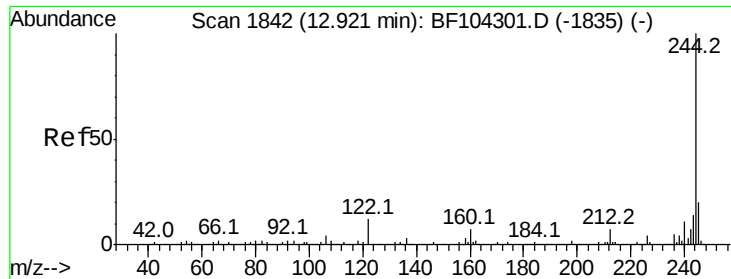


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.610 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104779.D

Acq: 25 Apr 2018 4:11

Instrument :

BNA_F

ClientSampleId :

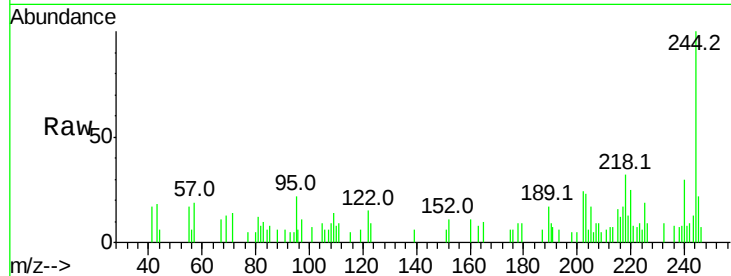
Tot Ion:244 Resp: 5050

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

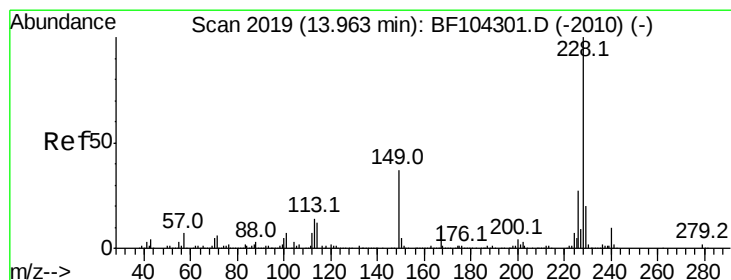
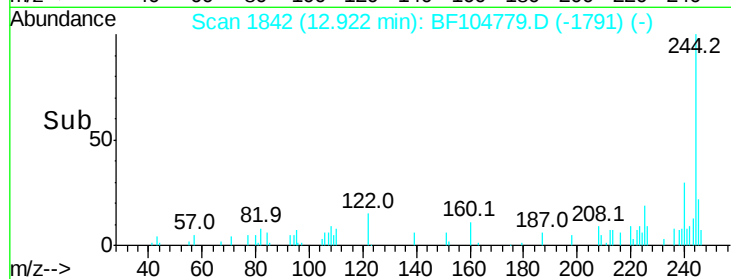
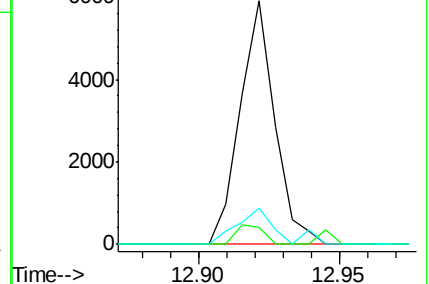
122 14.8 11.0 16.4



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: 17.585 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.04 min

Lab File: BF104779.D

Acq: 25 Apr 2018 4:11

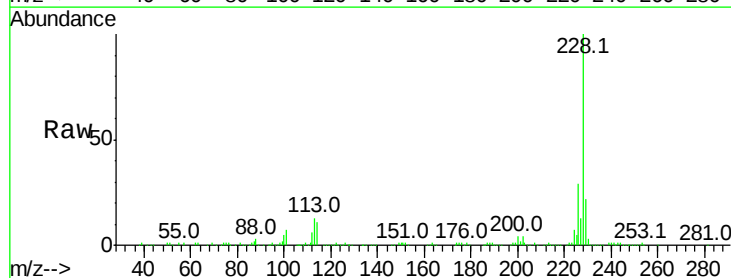
Tgt Ion:228 Resp: 198270

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

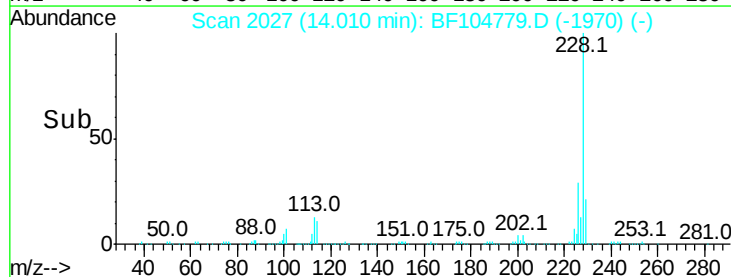
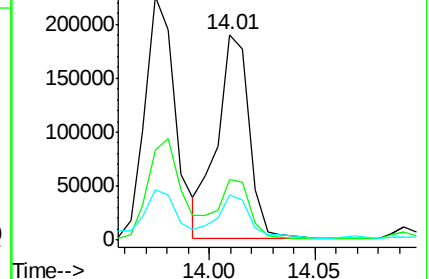
229 21.7 15.8 23.6

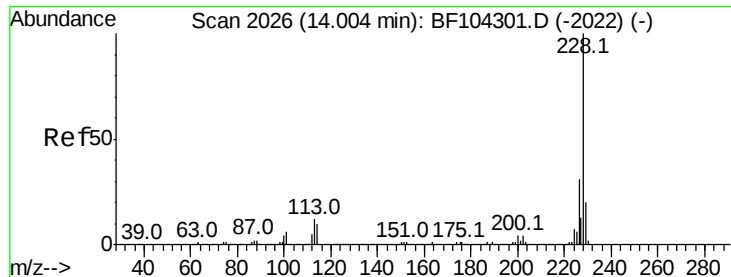


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 17.120 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF104779.D

Acq: 25 Apr 2018 4:11

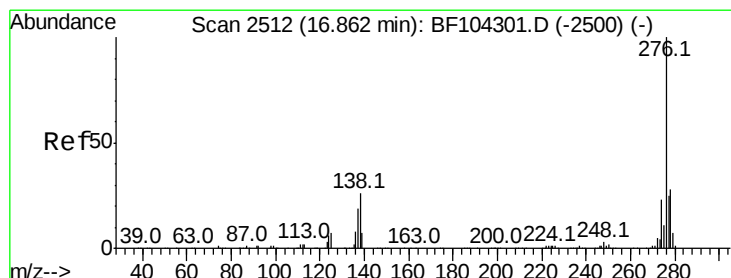
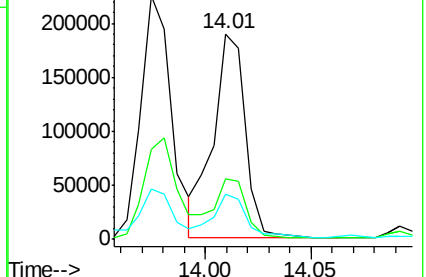
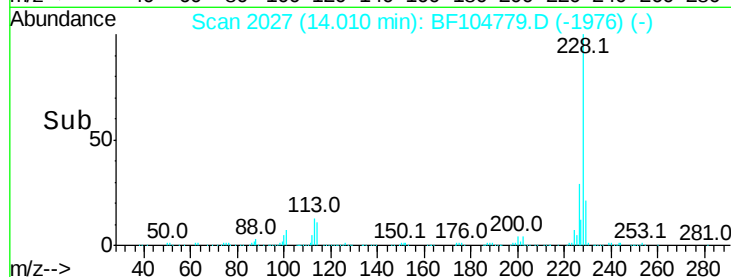
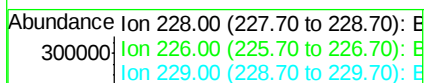
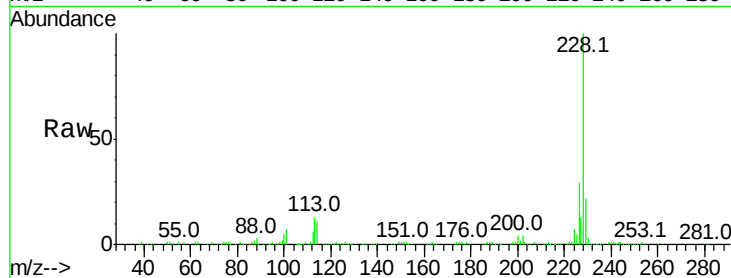
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 198270

Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	21.7	16.2	24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.571 ng

RT: 16.92 min Scan# 2522

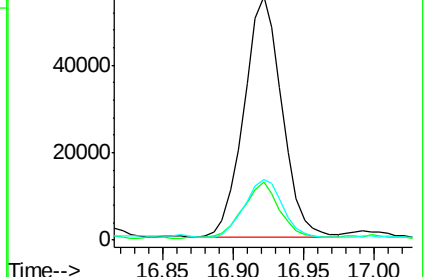
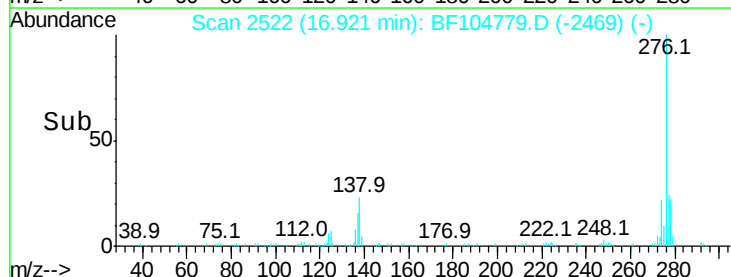
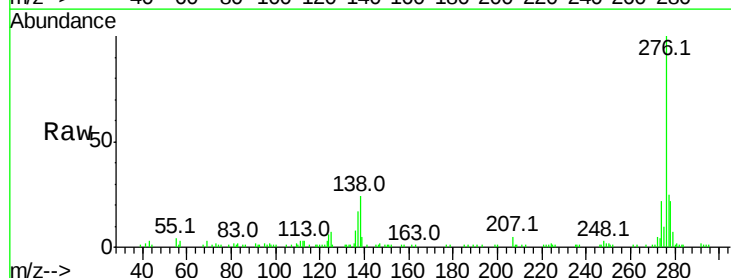
Delta R.T. 0.01 min

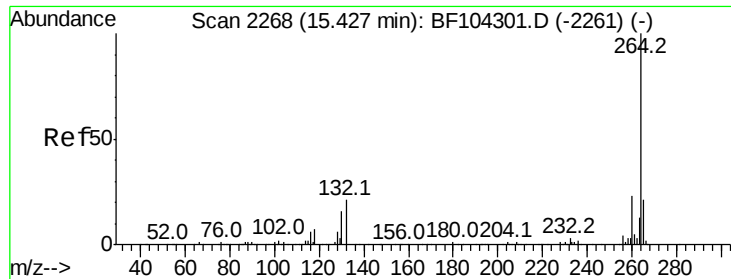
Lab File: BF104779.D

Acq: 25 Apr 2018 4:11

Tgt Ion:276 Resp: 103995

Ion	Ratio	Lower	Upper
276	100		
138	22.1	25.0	37.6#
277	24.3	20.1	30.1

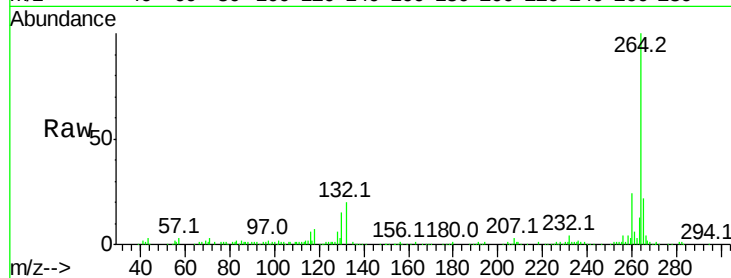




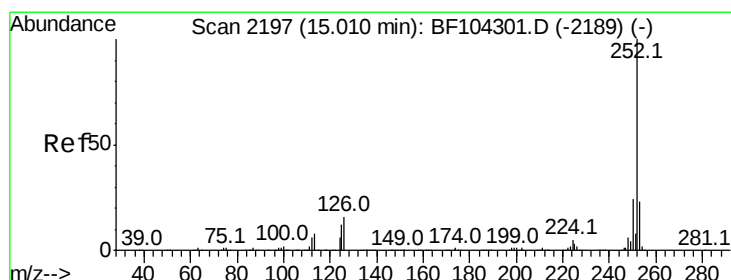
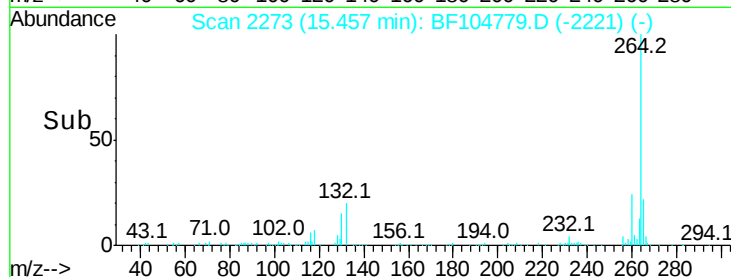
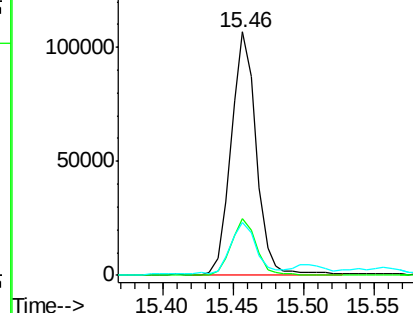
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 130519
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.9 17.5 26.3

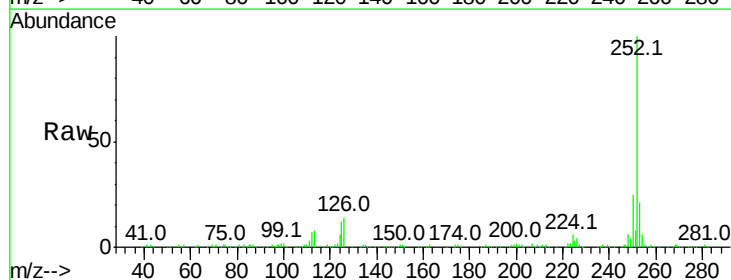


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

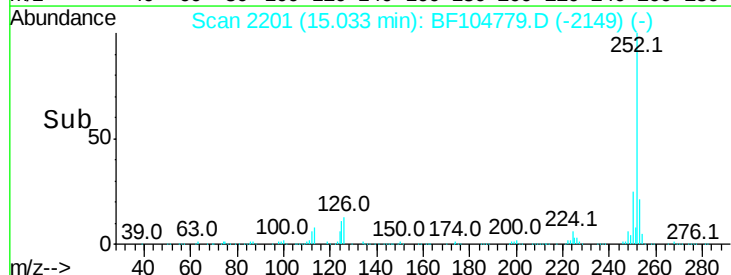
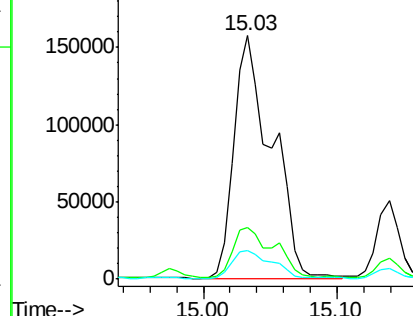


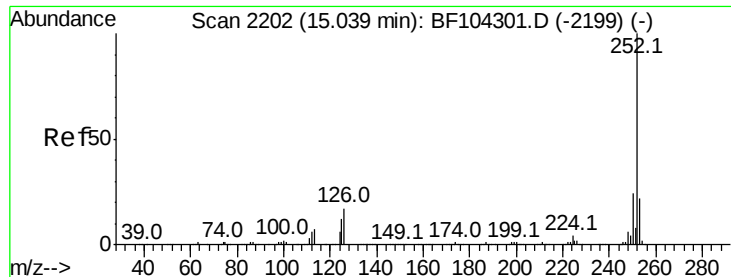
#87
Benzo(b)fluoranthene
Concen: 37.508 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:252 Resp: 309189
Ion Ratio Lower Upper
252 100
253 21.4 17.0 25.6
125 11.8 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

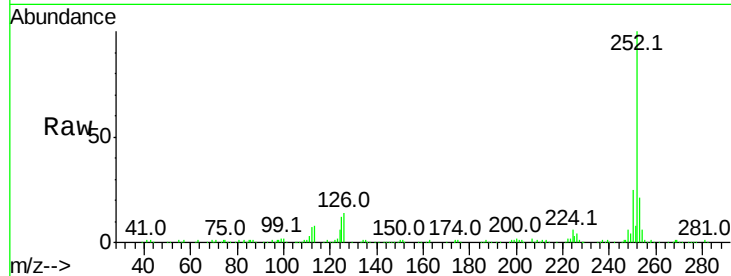




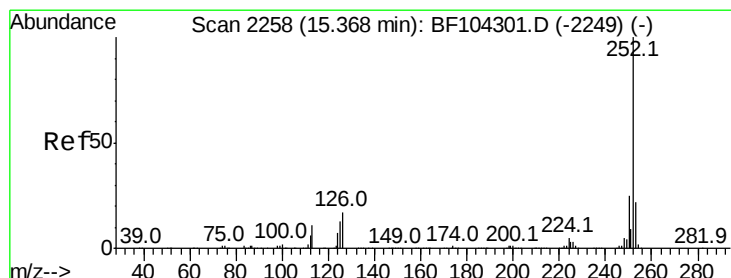
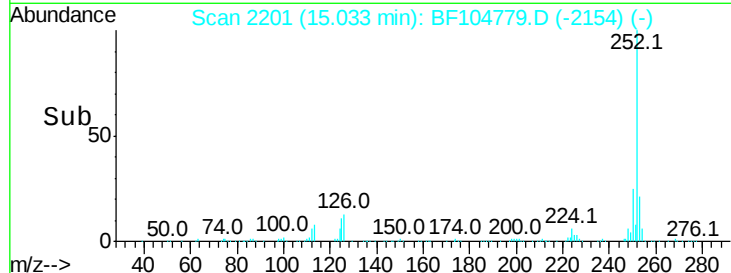
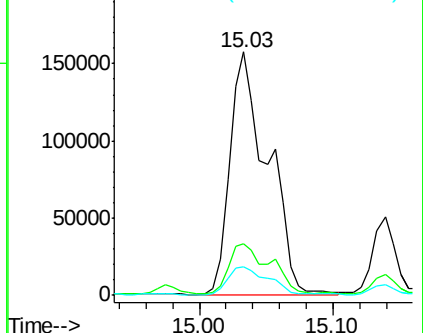
#88
Benzo(k)fluoranthene
Concen: 39.729 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 309189
Ion Ratio Lower Upper
252 100
253 21.4 17.9 26.9
125 11.8 10.2 15.2

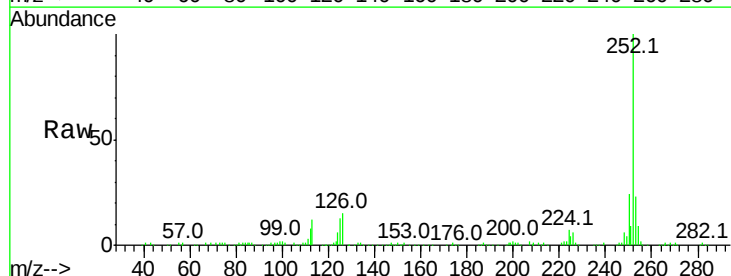


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

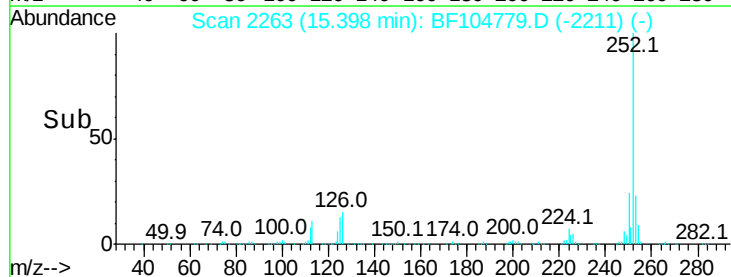
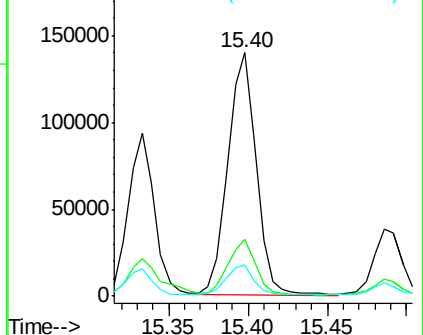


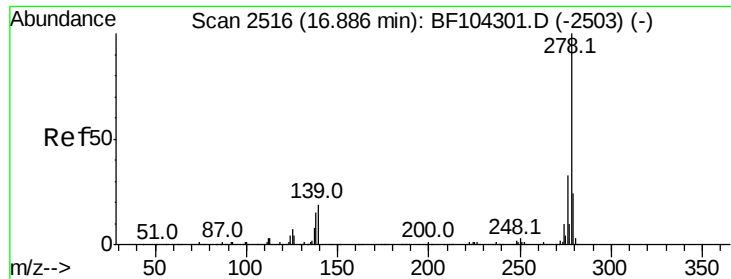
#89
Benzo(a)pyrene
Concen: 23.580 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:252 Resp: 173920
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 12.9 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

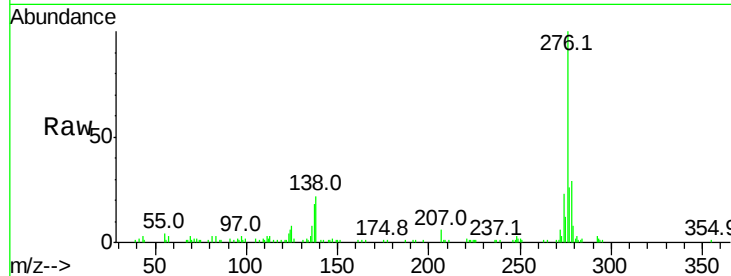




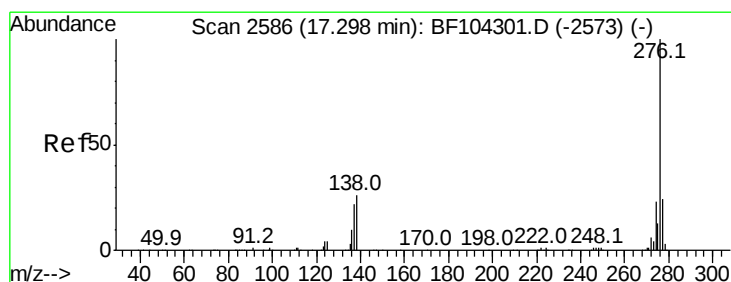
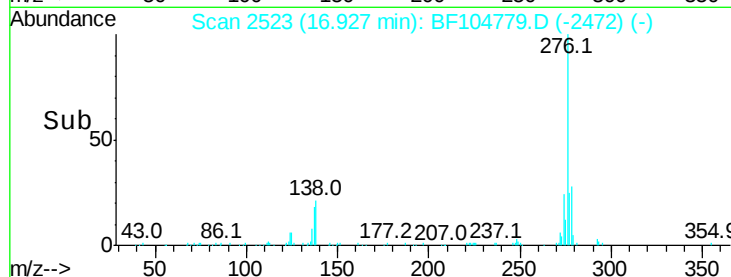
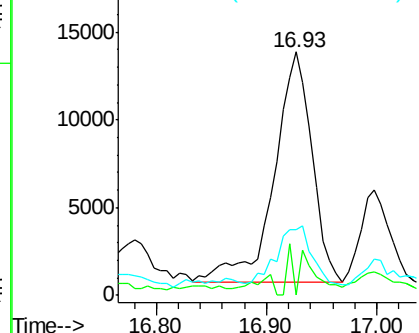
#90
Dibenzo(a,h)anthracene
Concen: 5.135 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 31105
Ion Ratio Lower Upper
278 100
139 0.0 15.9 23.9#
279 27.2 19.0 28.4

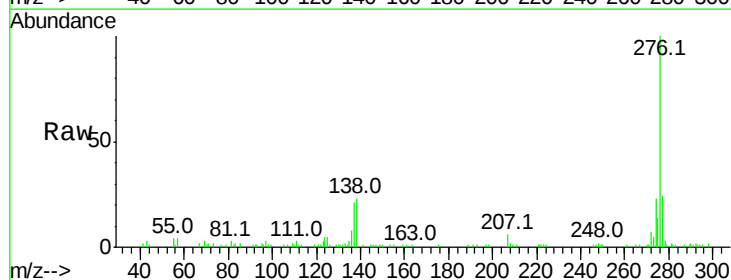


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 17.753 ng
RT: 17.37 min Scan# 2598
Delta R.T. 0.02 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:276 Resp: 104192
Ion Ratio Lower Upper
276 100
277 24.0 17.9 26.9
138 23.2 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

