

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104038.D
 Acq On : 29 Mar 2018 7:19
 Operator : JU/SJ
 Sample : J2048-01DL 20X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 09:08:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	98572	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	408186	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	171946	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	248635	20.00	ng	0.00
75) Chrysene-d12	14.15	240	216878	20.00	ng	0.00
86) Perylene-d12	15.70	264	152045	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	5867	0.95	ng	0.08
7) Phenol-d6	6.63	99	24191	3.18	ng	0.03
23) Nitrobenzene-d5	7.54	82	18724	2.81	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	5907	3.09	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	49077	4.50	ng	0.00
78) Terphenyl-d14	13.08	244	36601	3.90	ng	0.00

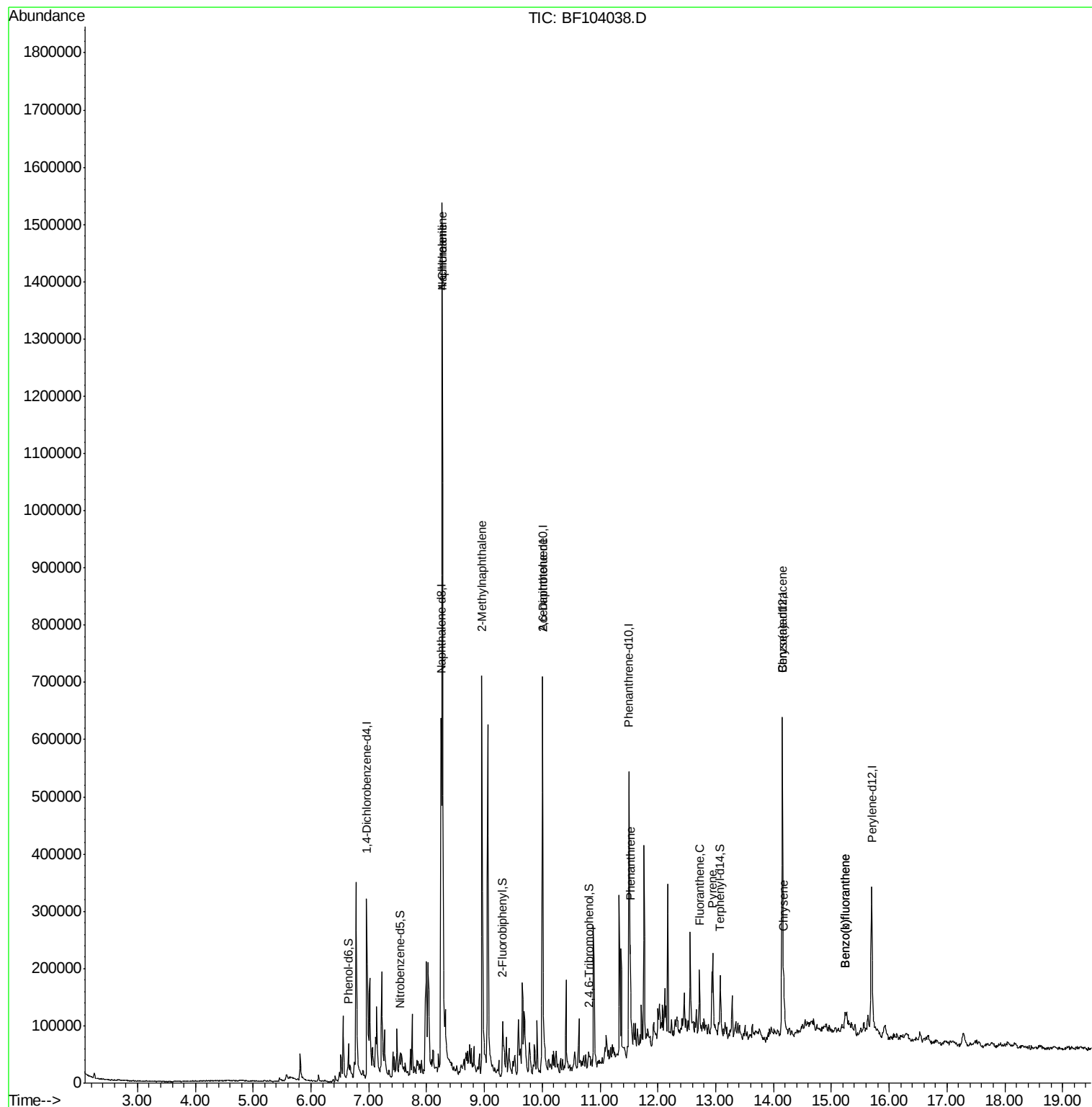
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	2206	Below Cal		# 1
31) Naphthalene	8.27	128	852120	42.731	ng	100
33) 4-Chloroaniline	8.27	127	116577	13.867	ng	# 33
37) 2-Methylnaphthalene	8.96	142	267087	20.333	ng	98
50) 2,6-Dinitrotoluene	10.00	165	23952	8.201	ng	# 27
70) Phenanthrene	11.53	178	58179	4.322	ng	99
74) Fluoranthene	12.72	202	51865	3.625	ng	97
77) Pyrene	12.95	202	75200	4.823	ng	98
80) Benzo(a)anthracene	14.14	228	32891	2.424	ng	94
82) Chrysene	14.18	228	30445	2.291	ng	96
87) Benzo(b)fluoranthene	15.24	252	25354	2.740	ng	# 81
88) Benzo(k)fluoranthene	15.24	252	25354	2.909	ng	# 84

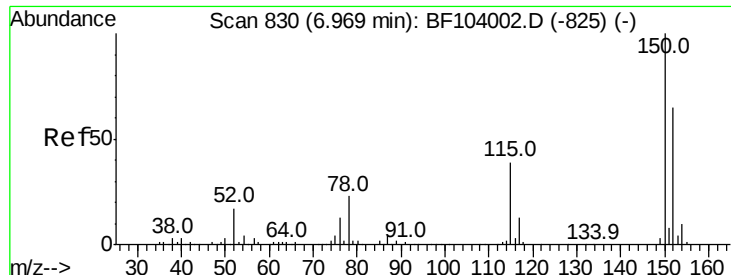
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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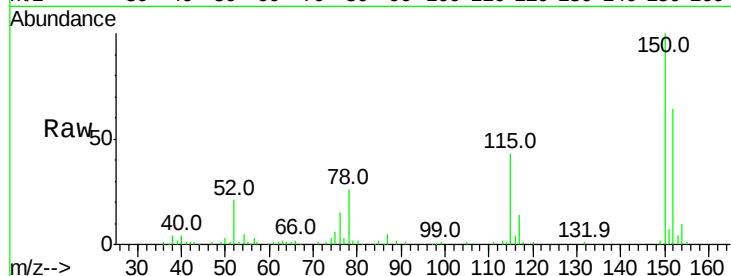


#1

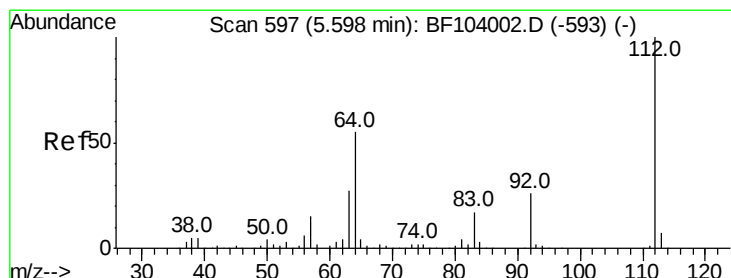
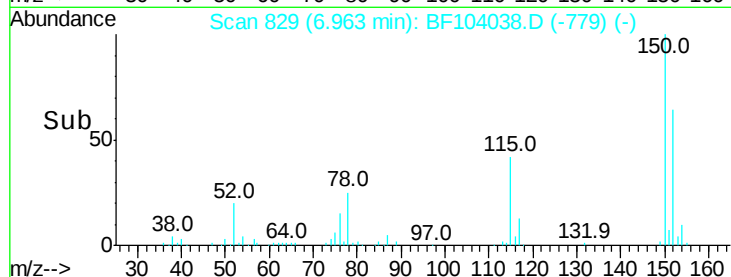
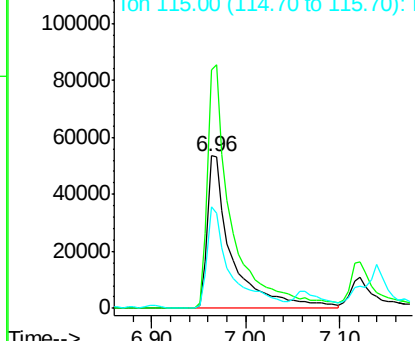
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 98572
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 66.8 50.1 75.1



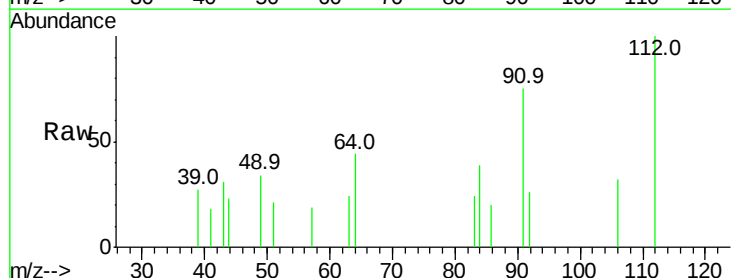
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



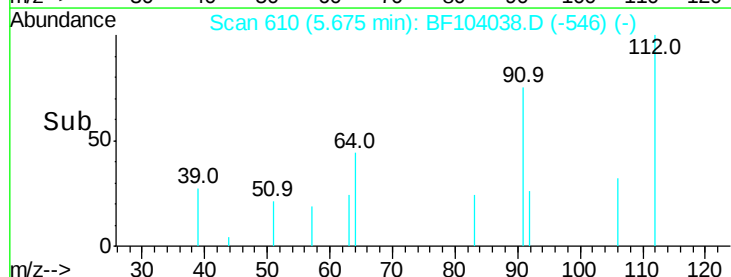
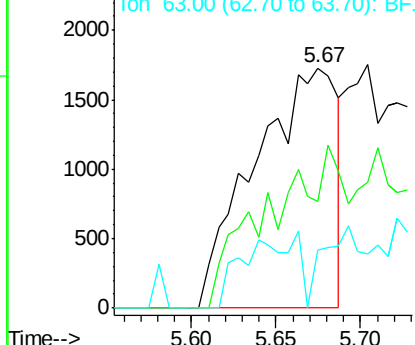
#5

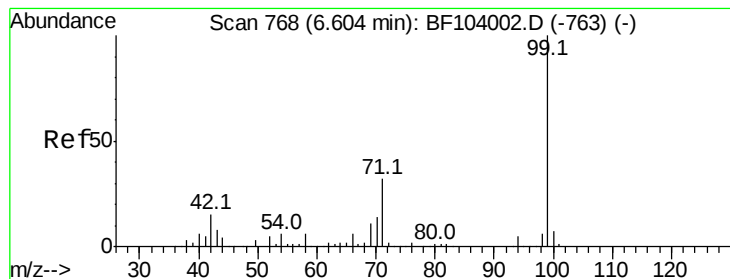
2-Fluorophenol
Concen: 0.949 ng
RT: 5.67 min Scan# 610
Delta R.T. 0.08 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Tgt Ion:112 Resp: 5867
Ion Ratio Lower Upper
112 100
64 44.4 47.9 71.9#
63 24.4 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: 3.181 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.03 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

Instrument :

BNA_F

ClientSampleId :

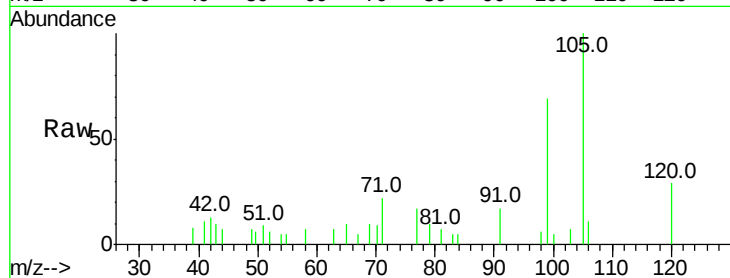
Tot Ion: 99 Resp: 24191

Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.5	21.7
71	32.5	25.4	38.0

99 100

42 19.1 14.5 21.7

71 32.5 25.4 38.0

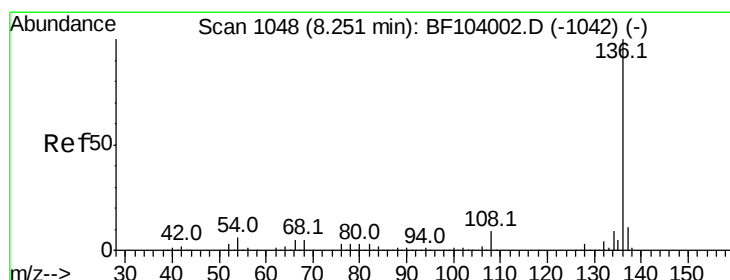
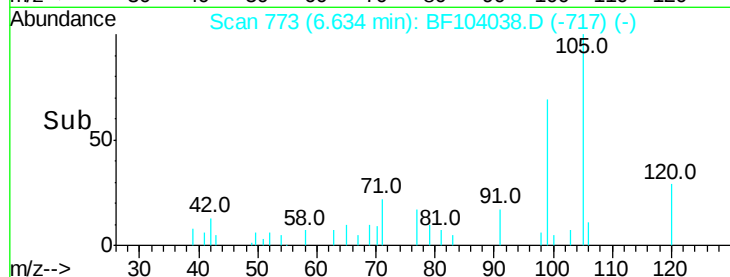
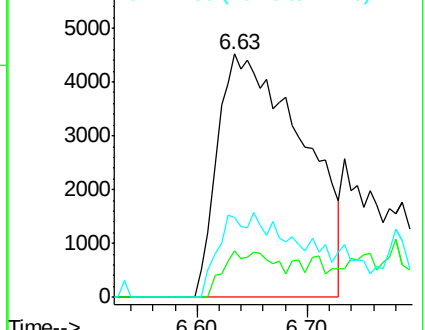


Abundance

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: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

Tgt Ion: 136 Resp: 408186

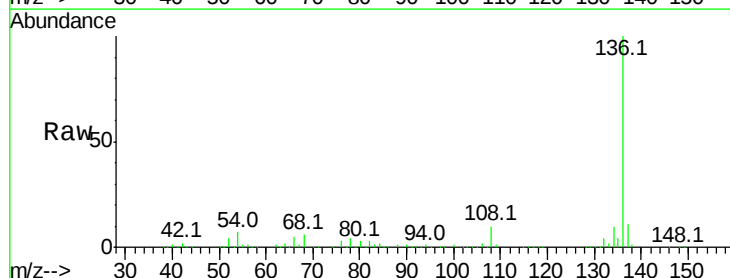
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	6.9	6.6	9.8
68	6.1	5.0	7.4

136 100

137 11.3 8.9 13.3

54 6.9 6.6 9.8

68 6.1 5.0 7.4



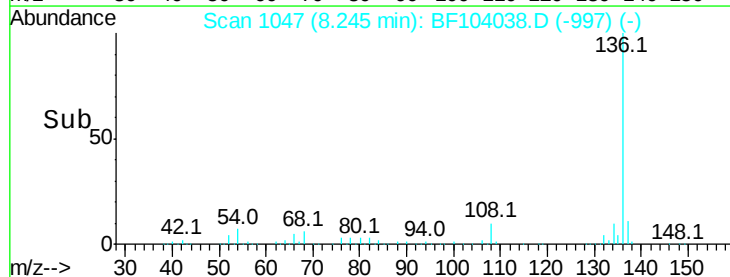
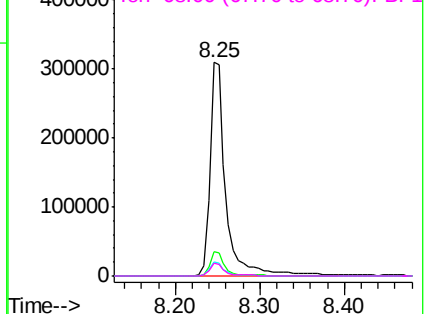
Abundance

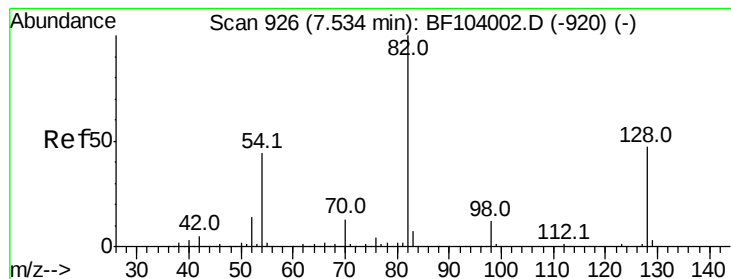
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 2.805 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.01 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

Instrument :

BNA_F

ClientSampleId :

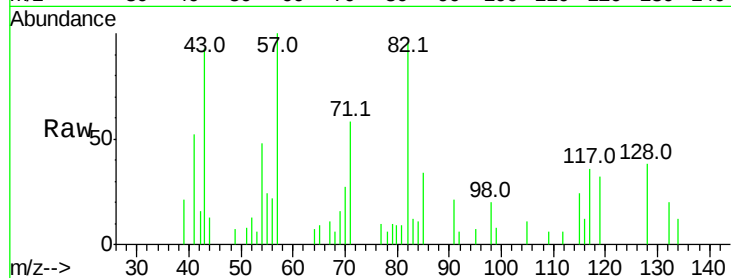
Tot Ion: 82 Resp: 18724

Ion Ratio Lower Upper

82 100

128 39.3 36.1 54.1

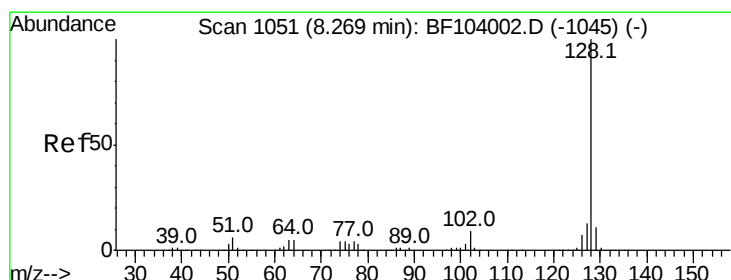
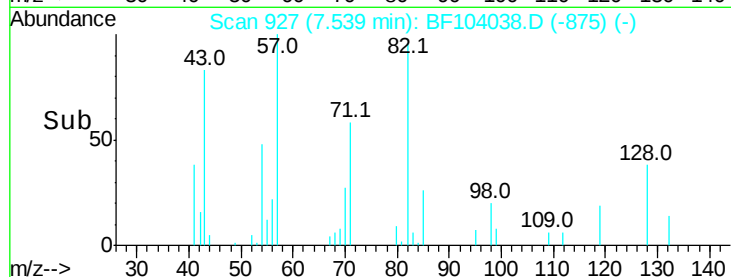
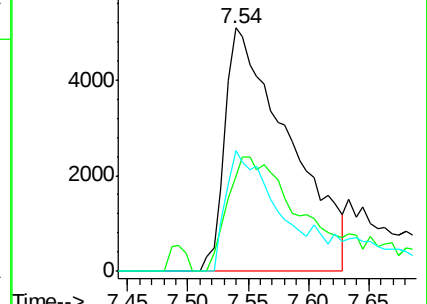
54 49.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31

Naphthalene

Concen: 42.731 ng

RT: 8.27 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

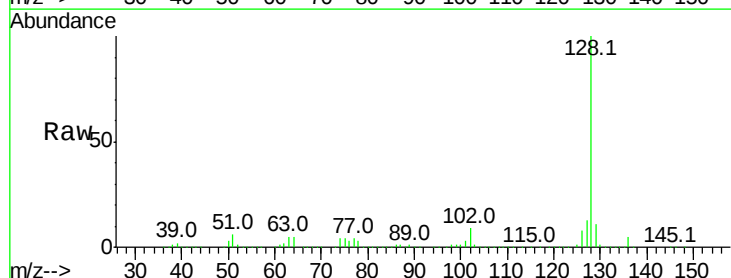
Tgt Ion: 128 Resp: 852120

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

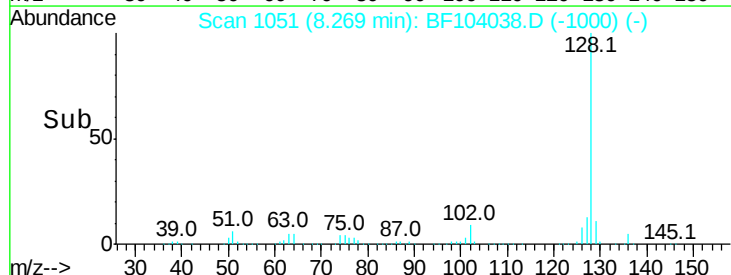
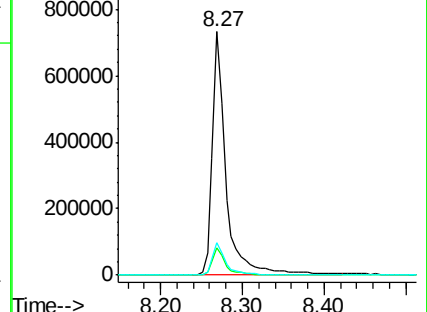
127 13.5 10.9 16.3

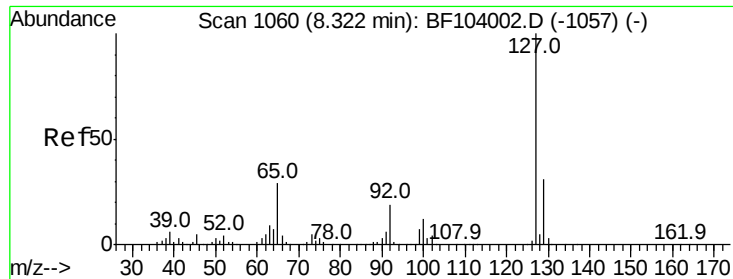


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1

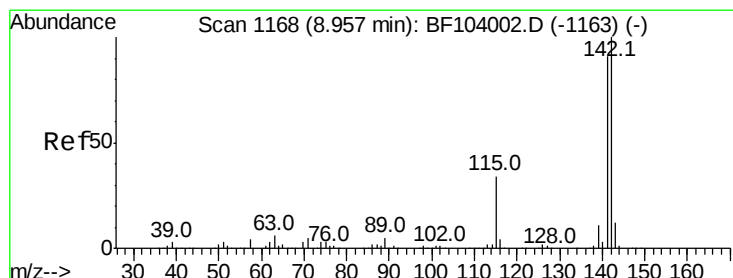
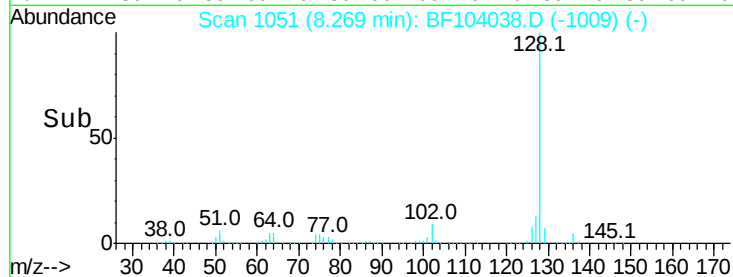
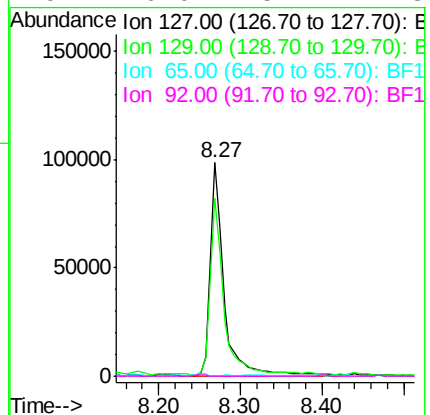
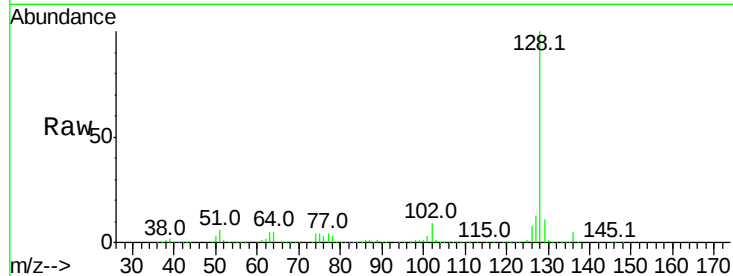




#33
4-Chloroaniline
Concen: 13.867 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.05 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

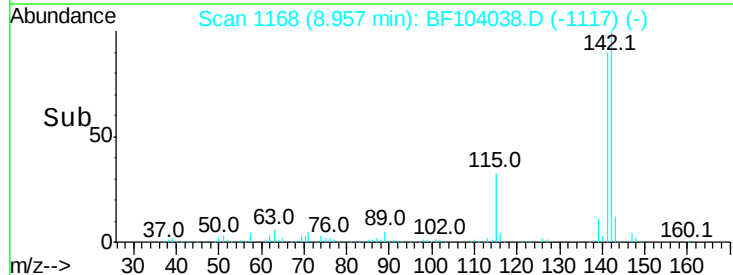
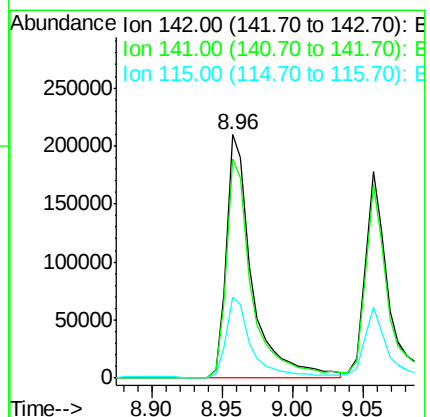
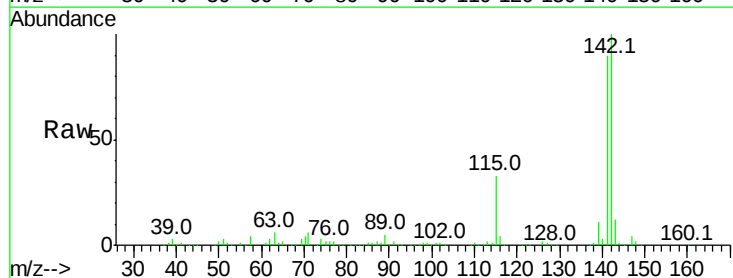
Instrument :
BNA_F
ClientSampleId :

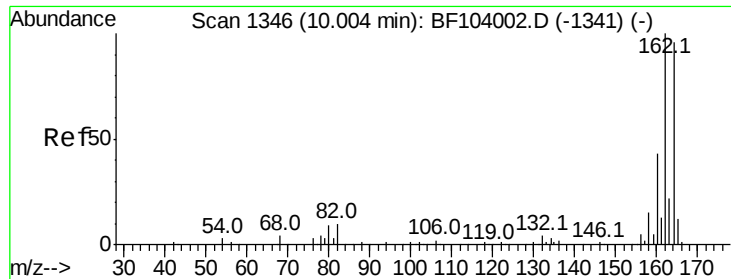
Tot Ion:	127	Resp:	116577
Ion	Ratio	Lower	Upper
127	100		
129	83.3	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 20.333 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Tgt Ion:	142	Resp:	267087
Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	33.4	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

Instrument :

BNA_F

ClientSampleId :

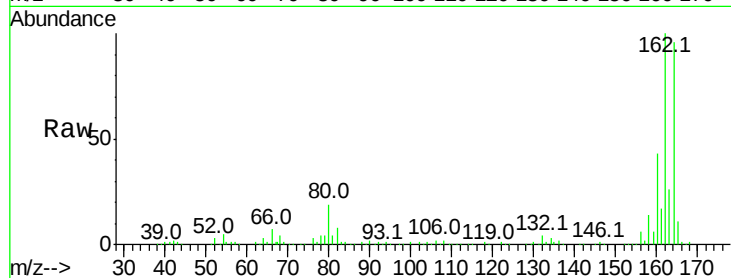
Tot Ion:164 Resp: 171946

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

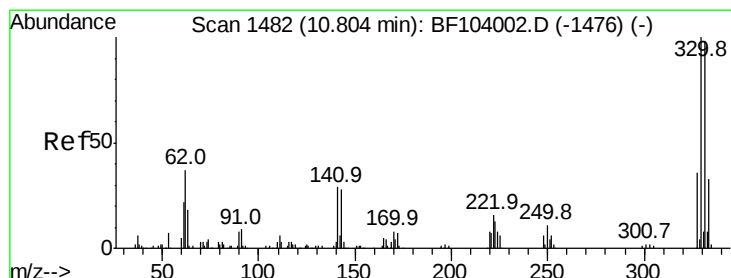
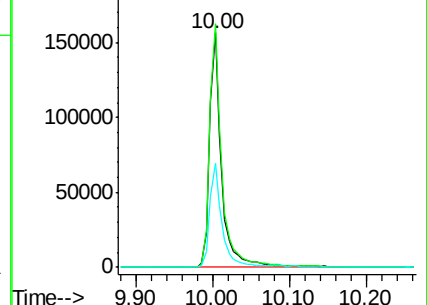
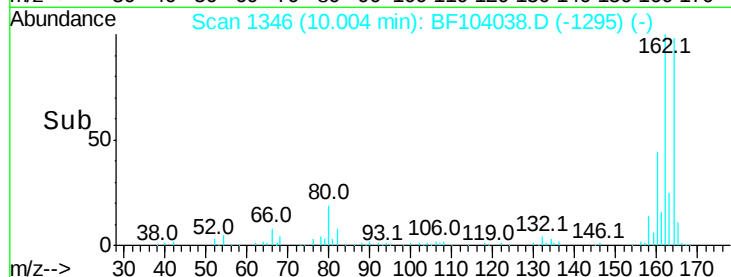
160 44.6 38.3 57.5



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: 3.085 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

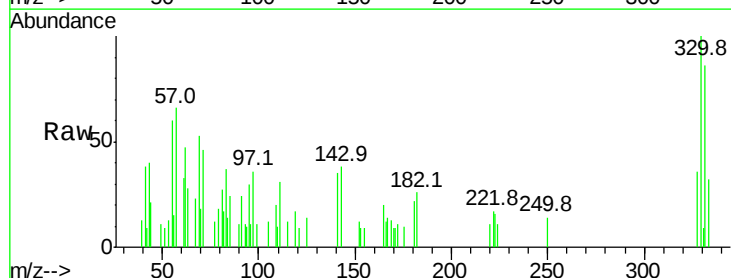
Tgt Ion:330 Resp: 5907

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

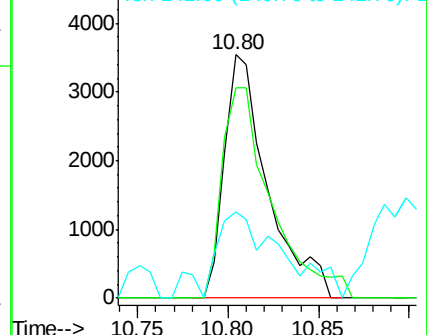
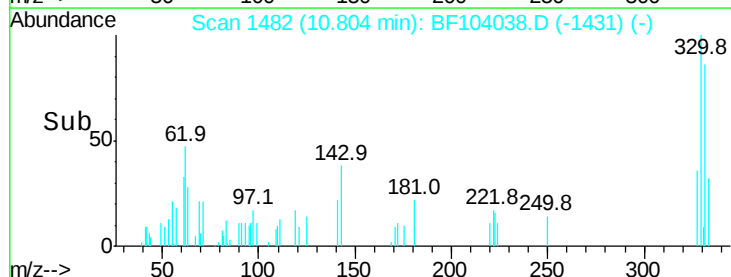
141 48.6 29.9 44.9#

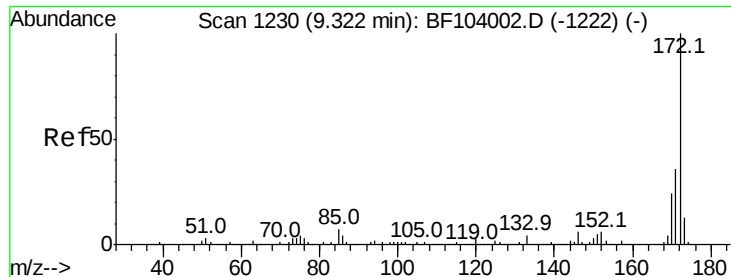


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

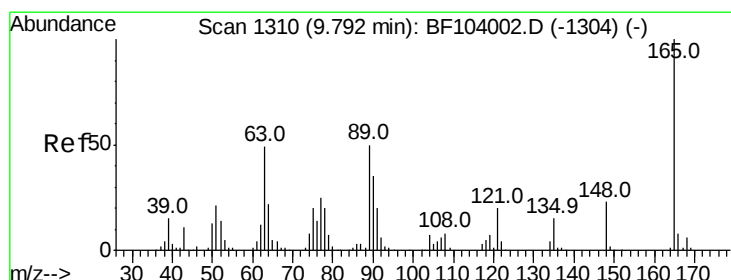
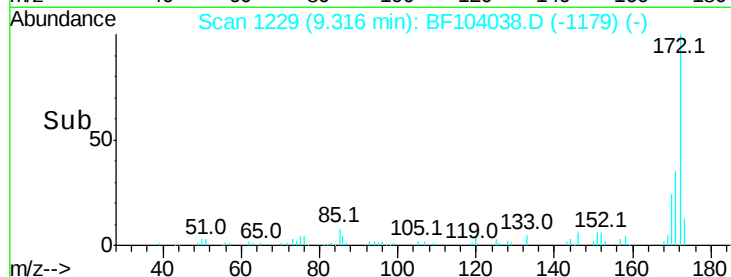
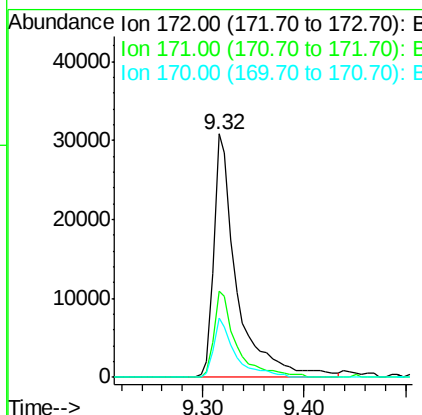
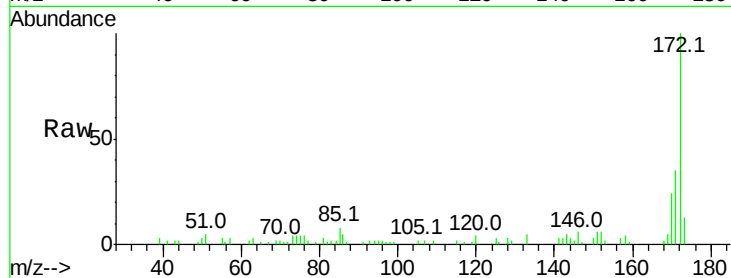




#44
 2-Fluorobiphenyl
 Concen: 4.501 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104038.D
 Acq: 29 Mar 2018 7:19

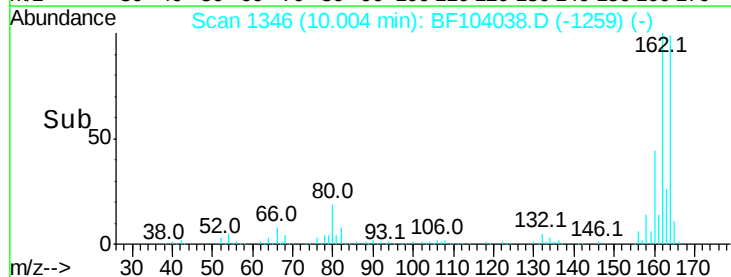
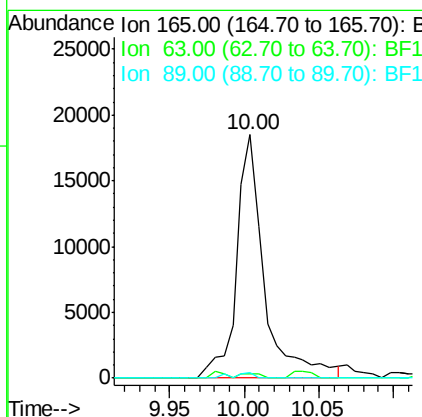
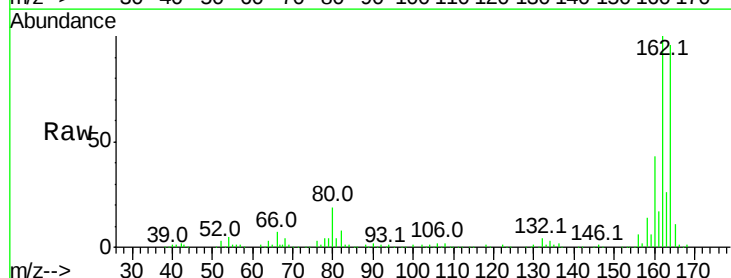
Instrument :
 BNA_F
 ClientSampleId :

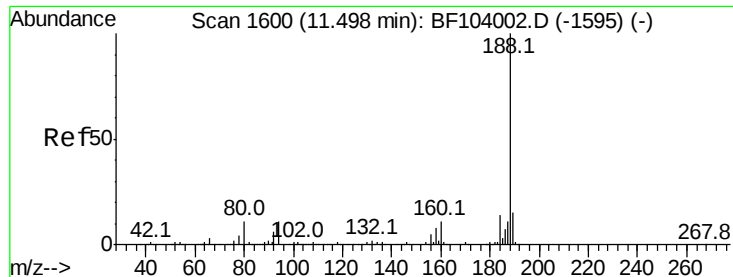
Tot Ion:172 Resp: 49077
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 24.1 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.201 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. 0.21 min
 Lab File: BF104038.D
 Acq: 29 Mar 2018 7:19

Tgt Ion:165 Resp: 23952
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.7 67.1#
 89 2.4 44.0 66.0#

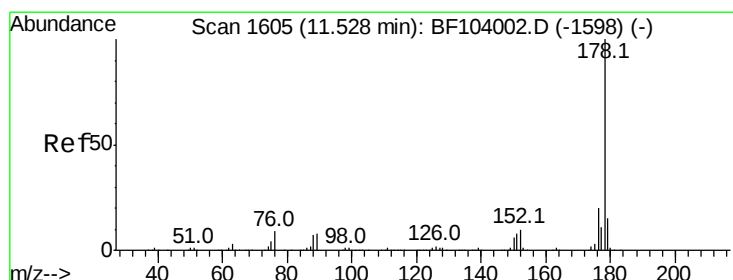
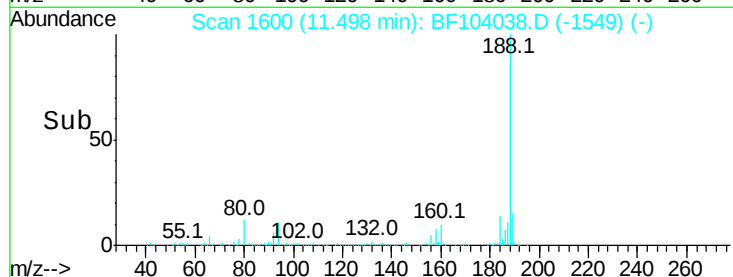
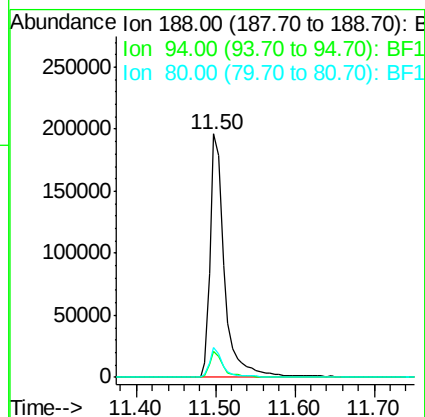
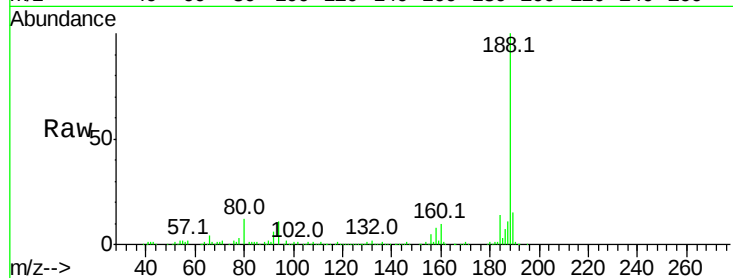




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

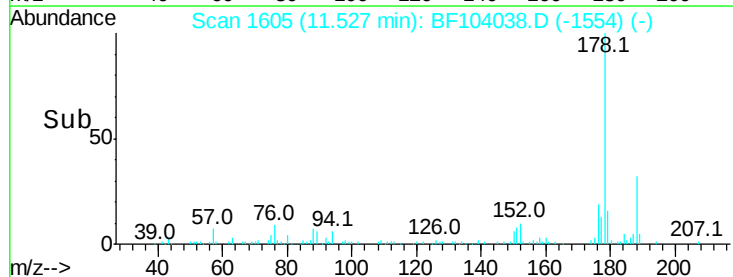
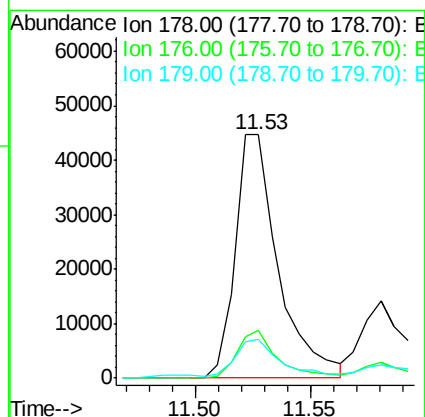
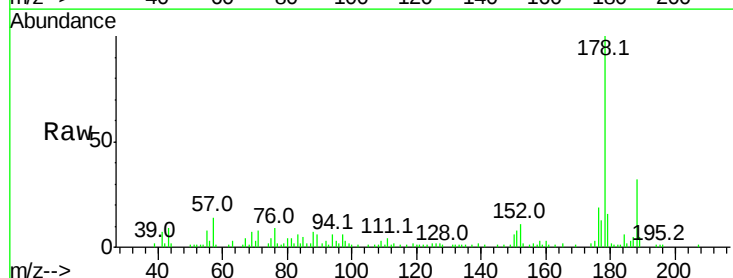
Instrument :
BNA_F
ClientSampled :

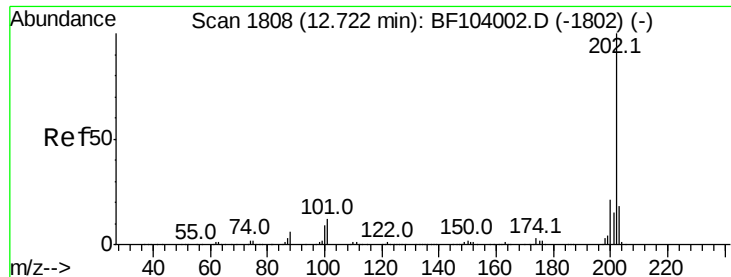
Tot Ion:188 Resp: 248635
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 12.0 9.2 13.8



#70
Phenanthrene
Concen: 4.322 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Tgt Ion:178 Resp: 58179
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.8 13.0 19.6





#74

Fluoranthene

Concen: 3.625 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

Instrument :

BNA_F

ClientSampleId :

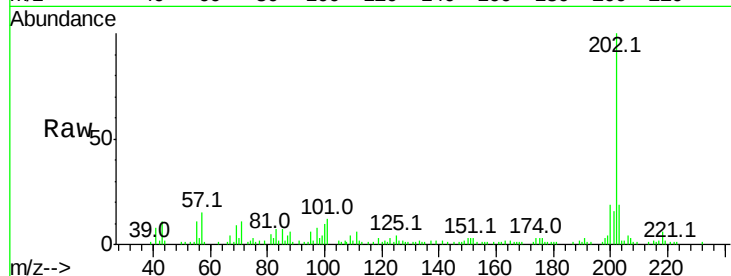
Tot Ion:202 Resp: 51865

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.1

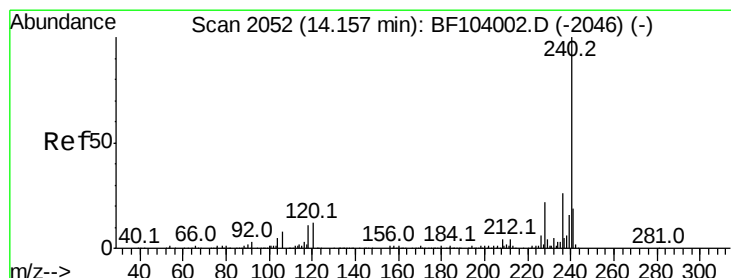
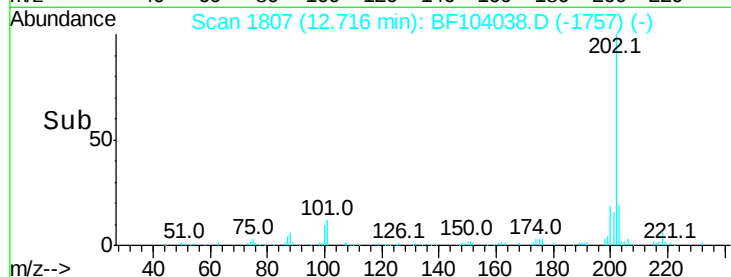
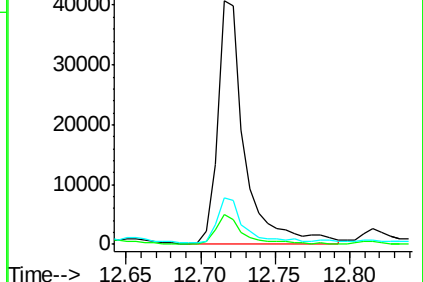
203 19.1 0.0 38.1



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: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

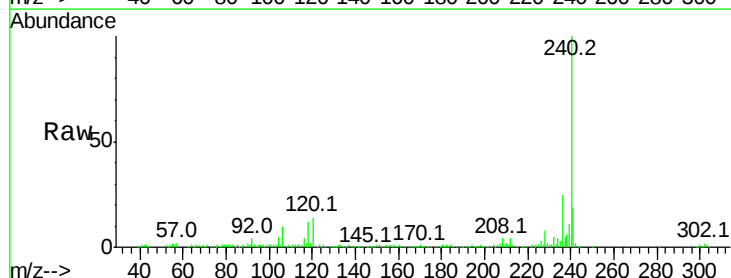
Tgt Ion:240 Resp: 216878

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

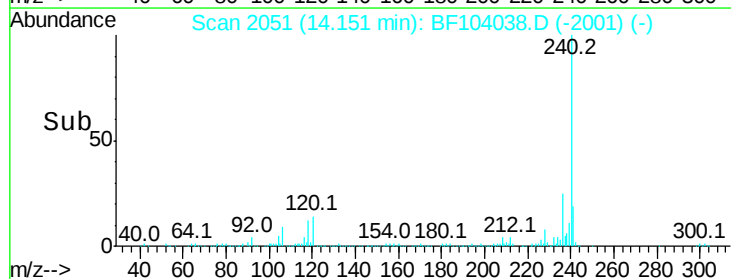
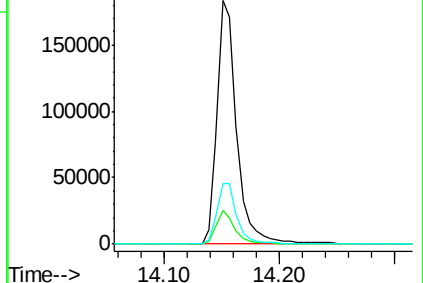
236 25.1 20.7 31.1

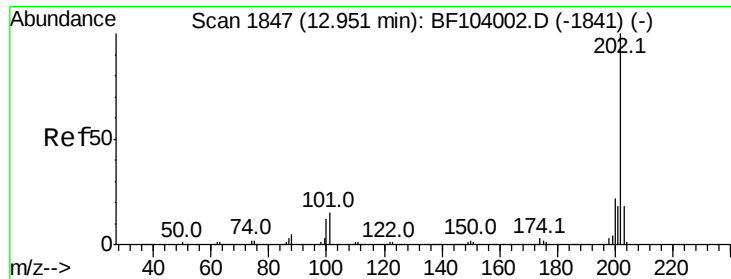


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.823 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

Instrument :

BNA_F

ClientSampleId :

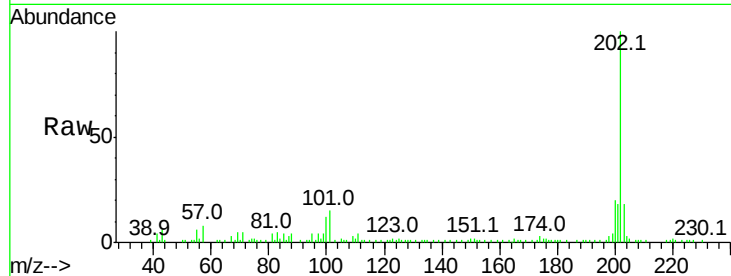
Tot Ion:202 Resp: 75200

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

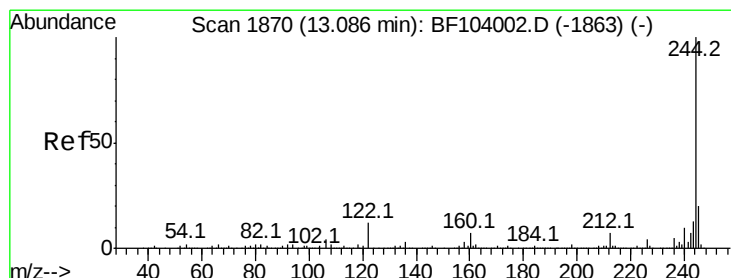
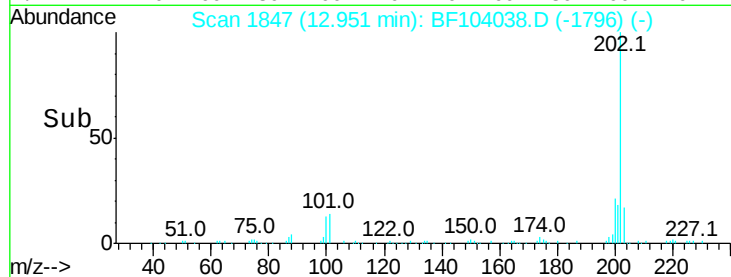
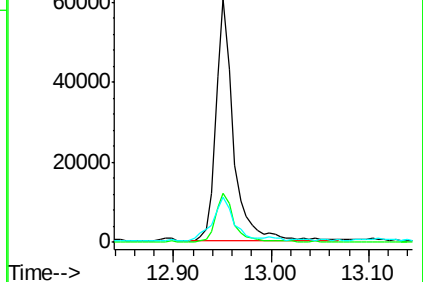
203 18.4 14.3 21.5



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: 3.897 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

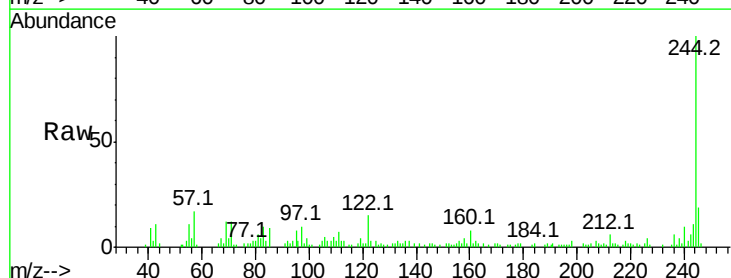
Tgt Ion:244 Resp: 36601

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

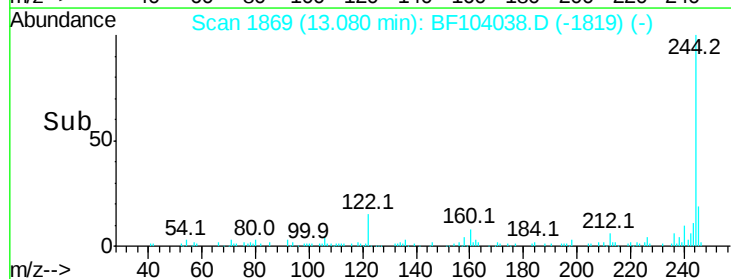
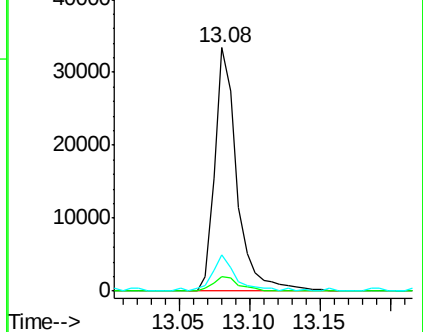
122 15.1 11.0 16.4

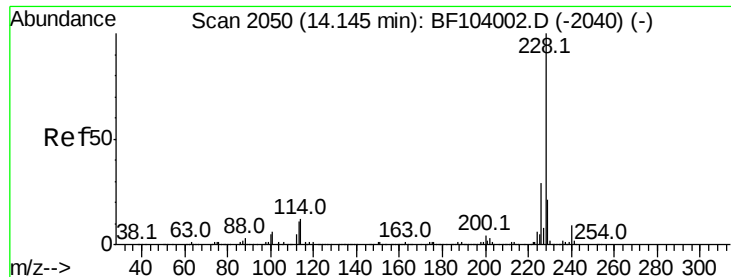


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.424 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

Instrument :

BNA_F

ClientSampleId :

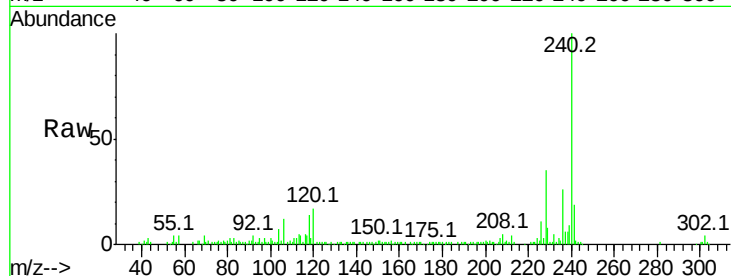
Tot Ion:228 Resp: 32891

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

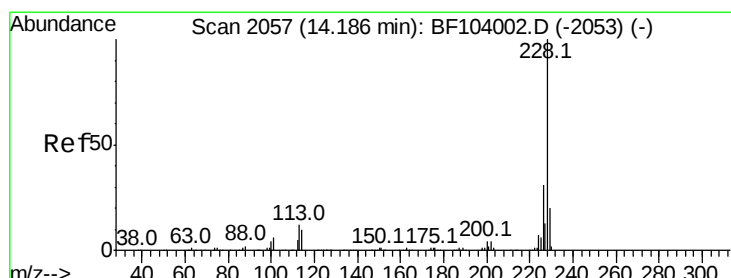
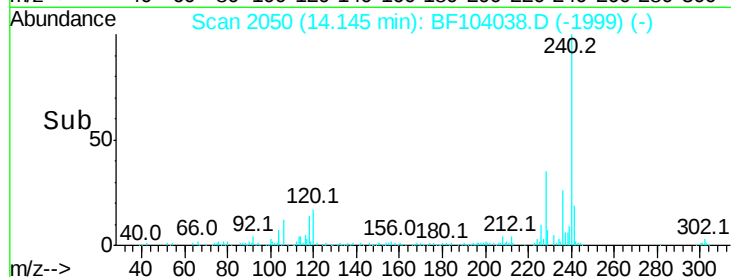
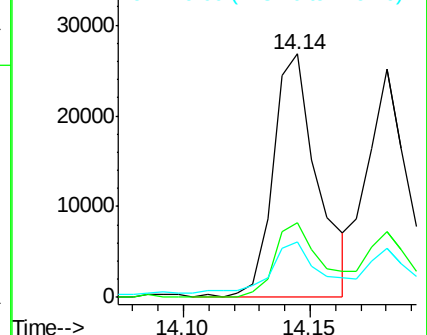
229 22.7 15.8 23.6



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: 2.291 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

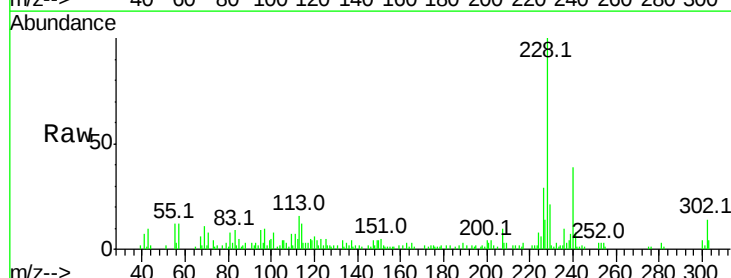
Tgt Ion:228 Resp: 30445

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

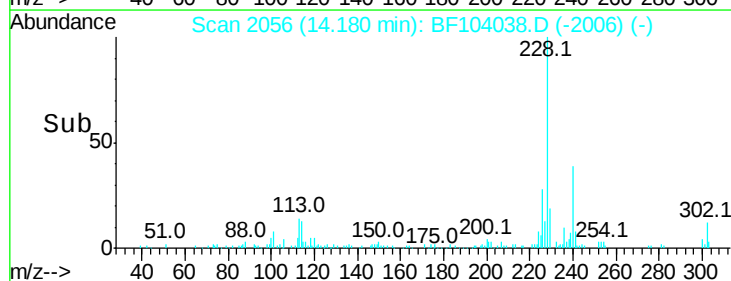
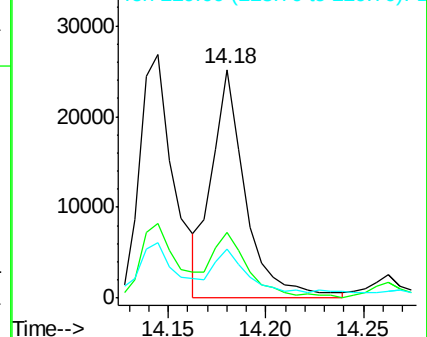
229 21.5 16.2 24.4

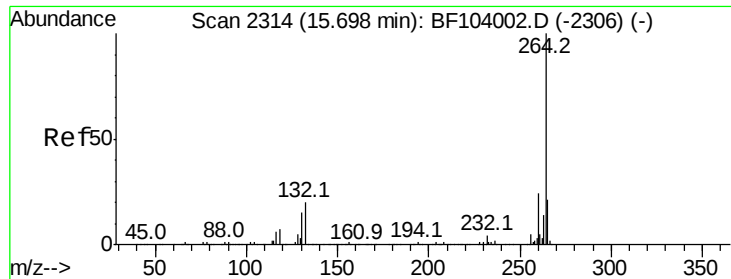


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

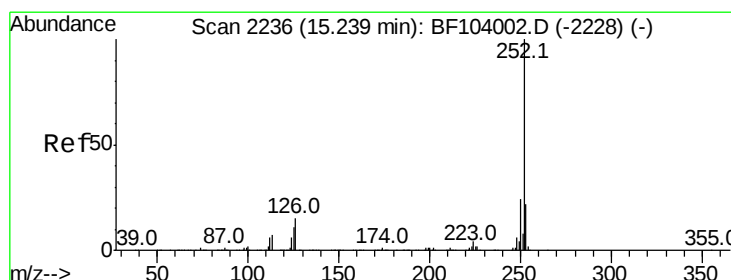
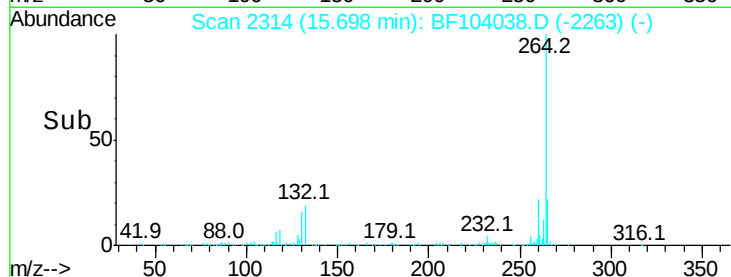
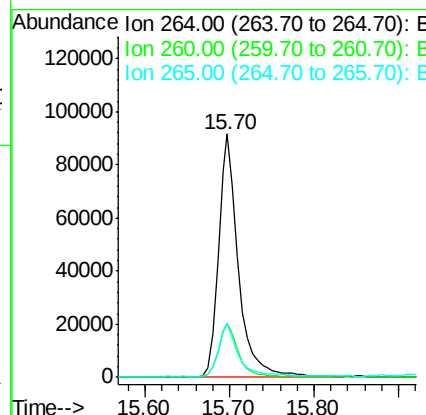
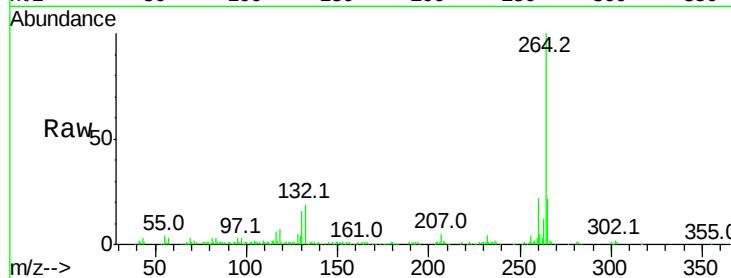




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

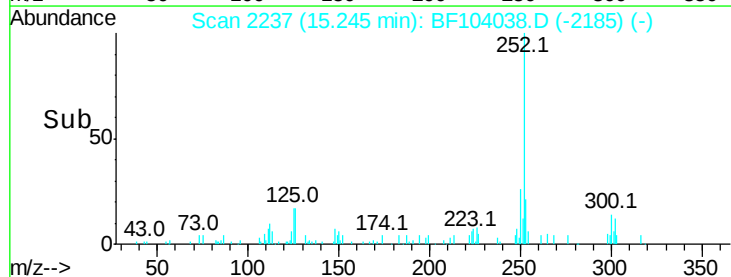
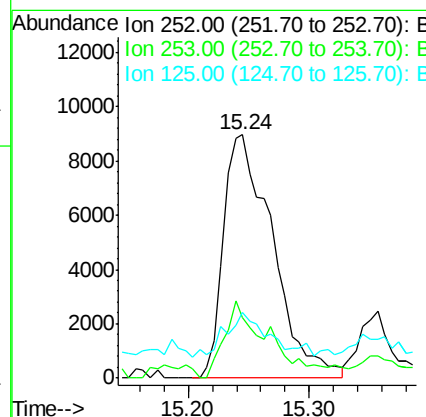
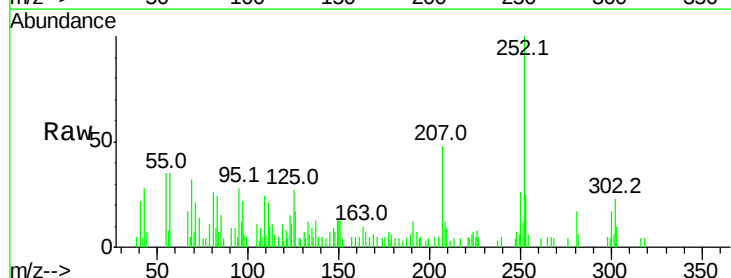
Instrument :
BNA_F
ClientSampleId :

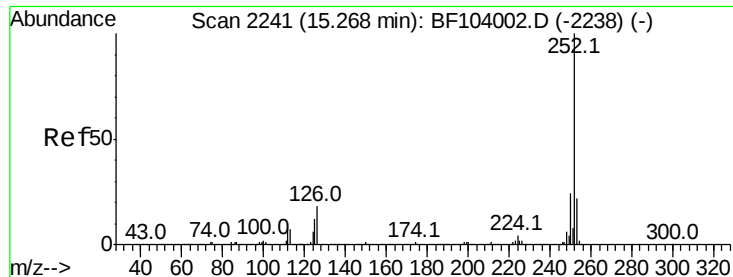
Tot Ion:264 Resp: 152045
Ion Ratio Lower Upper
264 100
260 22.5 19.2 28.8
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.740 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Tgt Ion:252 Resp: 25354
Ion Ratio Lower Upper
252 100
253 25.0 17.0 25.6
125 26.8 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.909 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.02 min

Lab File: BF104038.D

Acq: 29 Mar 2018 7:19

Instrument :

BNA_F

ClientSampleId :

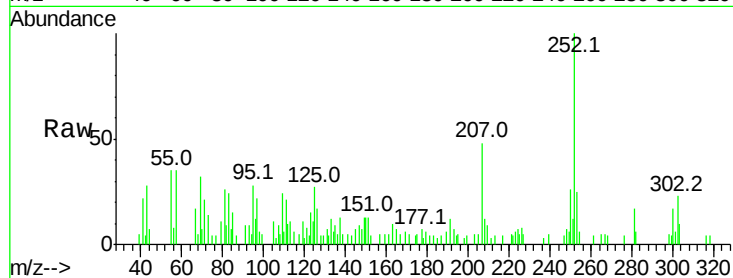
Tot Ion:252 Resp: 25354

Ion Ratio Lower Upper

252 100

253 25.0 17.9 26.9

125 26.8 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

