

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104149.D
 Acq On : 2 Apr 2018 21:22
 Operator : JU/SJ
 Sample : J2112-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 01:09:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	96354	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	356630	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	142623	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	218103	20.00	ng	0.00
75) Chrysene-d12	14.15	240	237604	20.00	ng	0.00
86) Perylene-d12	15.70	264	201057	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	683392	113.11	ng	0.00
7) Phenol-d6	6.59	99	808890	108.82	ng	0.00
23) Nitrobenzene-d5	7.52	82	502216	86.12	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	161871	101.93	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	754052	83.37	ng	0.00
78) Terphenyl-d14	13.08	244	634926	61.70	ng	0.00

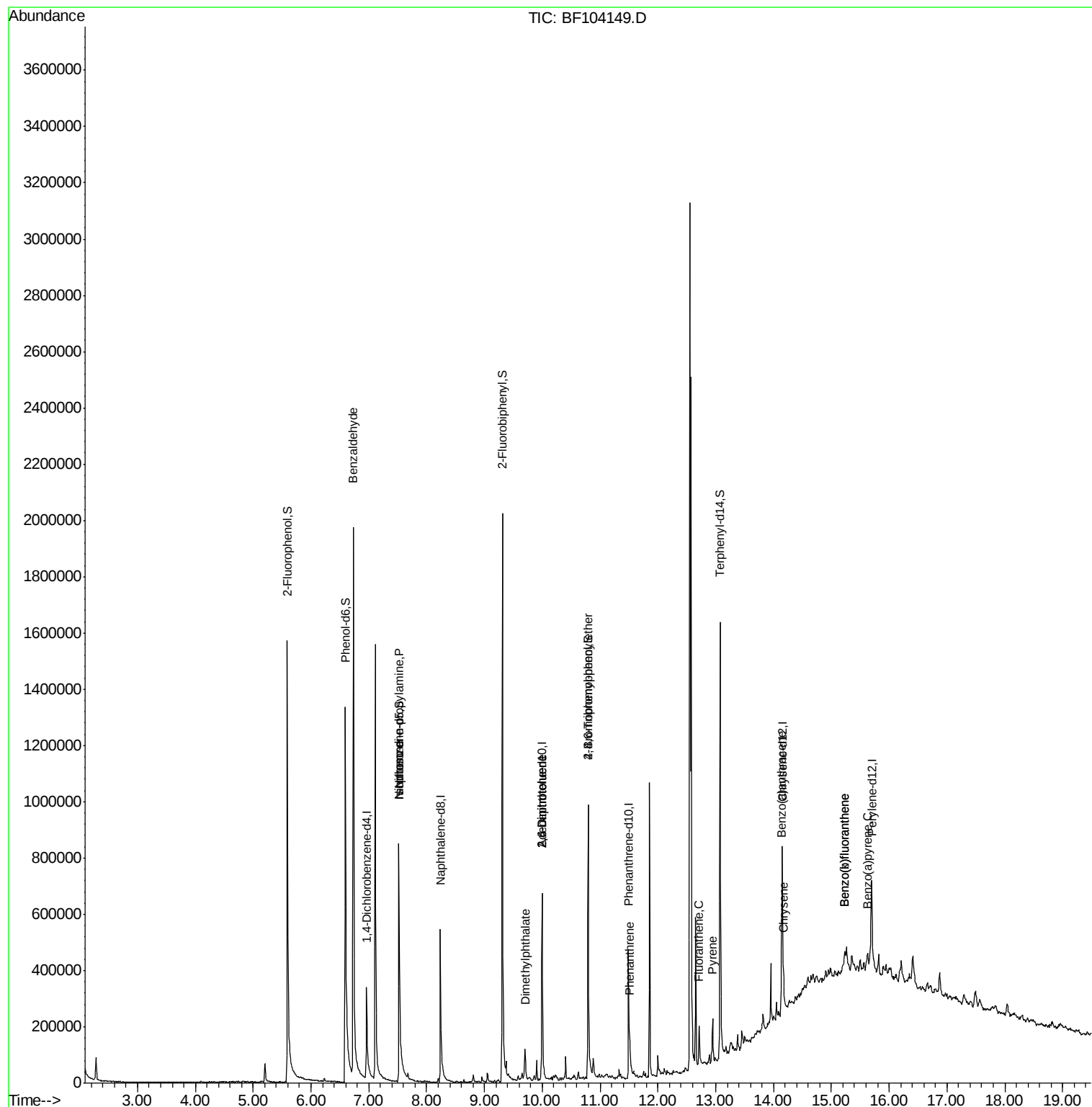
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	14510	2.463	ng	87
19) n-Nitroso-di-n-propylamine	7.52	70	60466	13.707	ng	# 77
25) Isophorone	7.52	82	502216	46.731	ng	# 64
49) Dimethylphthalate	9.70	163	57209	5.080	ng	100
50) 2,6-Dinitrotoluene	10.00	165	18883	7.794	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	19246	6.226	ng	# 24
66) 4-Bromophenyl-phenylether	10.79	248	9431	4.042	ng	# 1
70) Phenanthrene	11.52	178	41126	3.483	ng	98
74) Fluoranthene	12.72	202	70593	5.624	ng	96
77) Pyrene	12.95	202	66331	3.883	ng	95
80) Benzo(a)anthracene	14.14	228	42141	2.834	ng	95
82) Chrysene	14.17	228	34957	2.401	ng	97
87) Benzo(b)fluoranthene	15.23	252	56929	4.653	ng	# 72
88) Benzo(k)fluoranthene	15.23	252	56929	4.939	ng	# 75
89) Benzo(a)pyrene	15.63	252	29086	2.565	ng	# 78

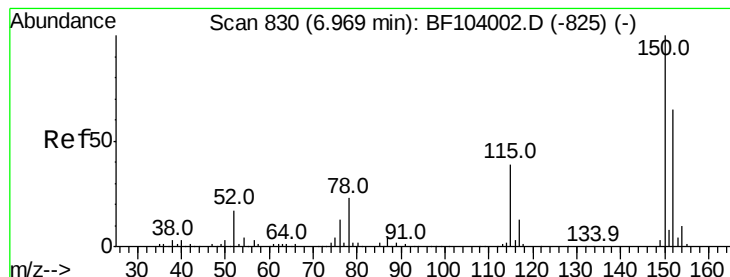
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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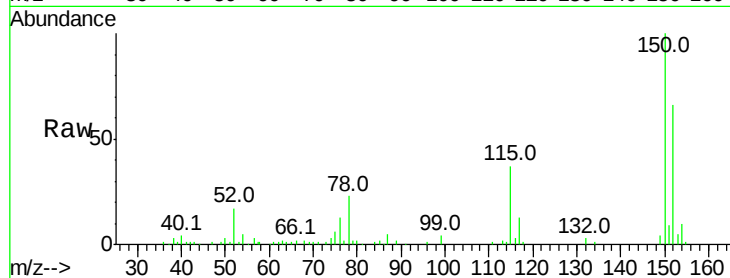


#1

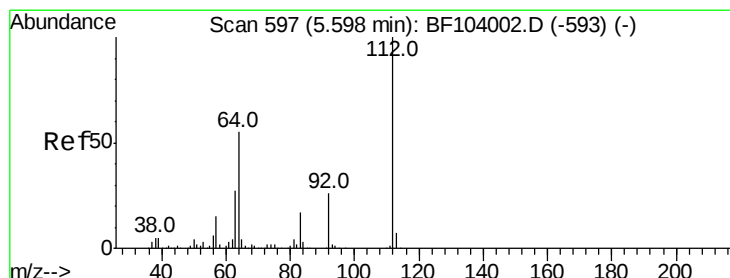
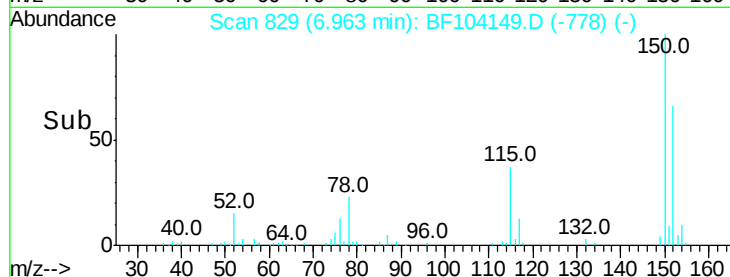
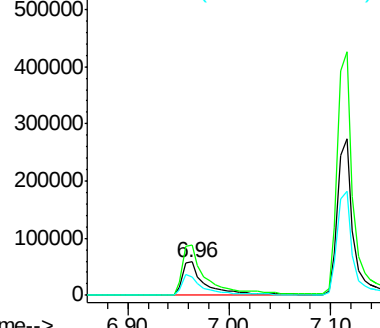
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF104149.D
Acq: 2 Apr 2018 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96354
Ion Ratio Lower Upper
152 100
150 151.5 124.6 186.8
115 56.8 50.1 75.1



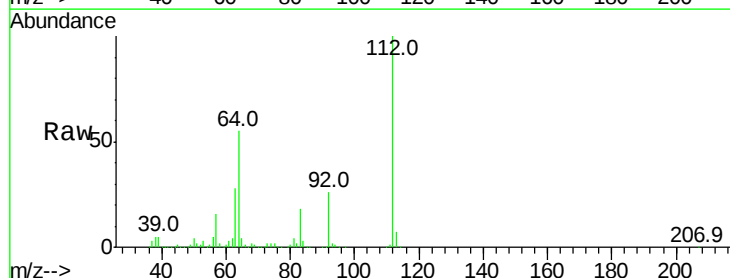
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



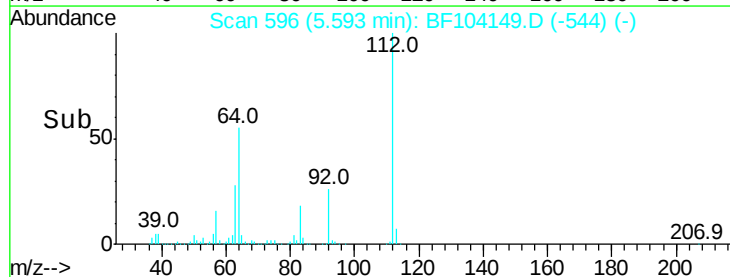
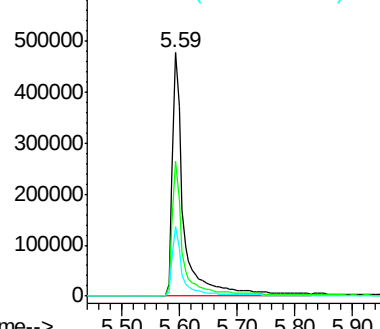
#5

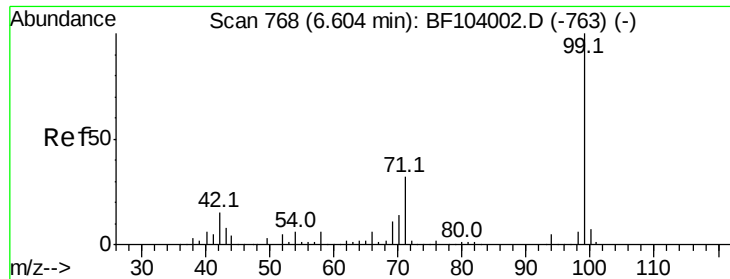
2-Fluorophenol
Concen: 113.108 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104149.D
Acq: 2 Apr 2018 21:22

Tgt Ion:112 Resp: 683392
Ion Ratio Lower Upper
112 100
64 55.4 47.9 71.9
63 28.3 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: 108.818 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

Instrument :

BNA_F

ClientSampleId :

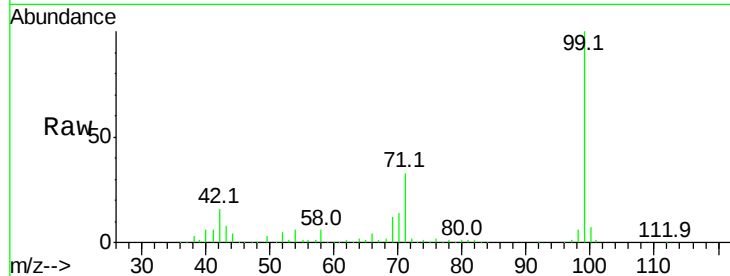
Tot Ion: 99 Resp: 808890

Ion Ratio Lower Upper

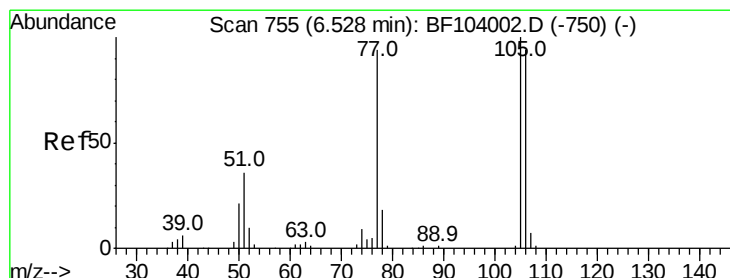
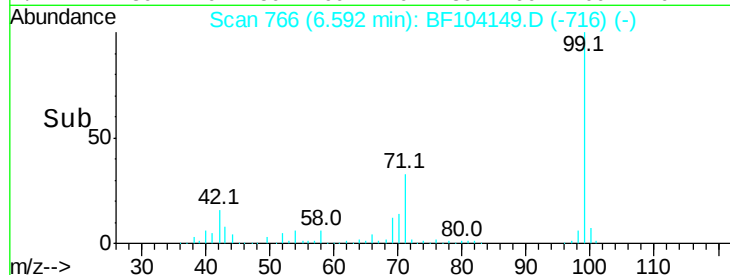
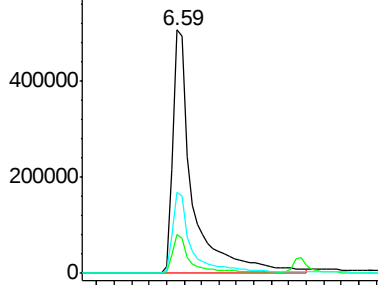
99 100

42 15.8 14.5 21.7

71 33.3 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



#9

Benzaldehyde

Concen: 2.463 ng

RT: 6.73 min Scan# 790

Delta R.T. 0.21 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

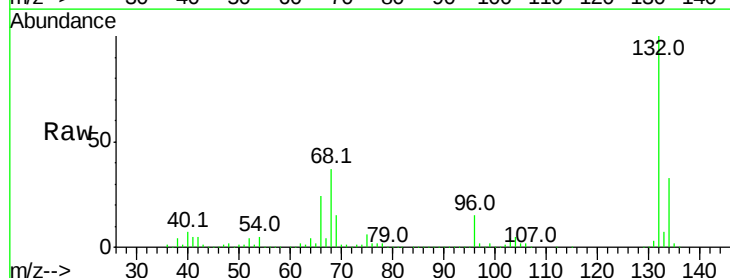
Tgt Ion: 77 Resp: 14510

Ion Ratio Lower Upper

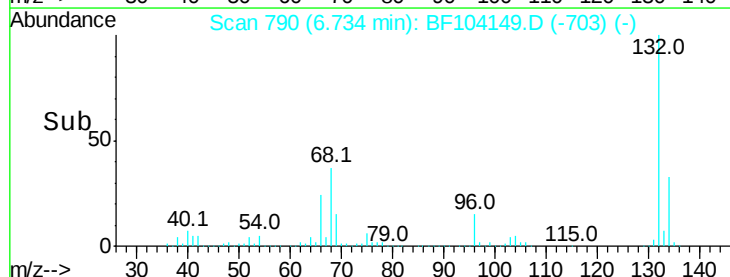
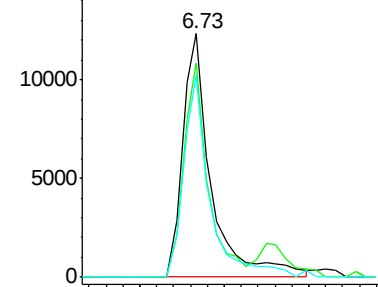
77 100

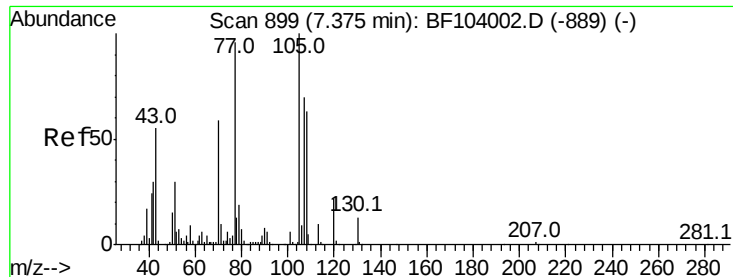
105 87.9 81.1 121.1

106 82.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B

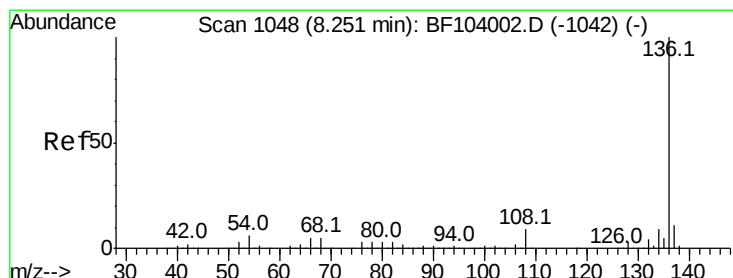
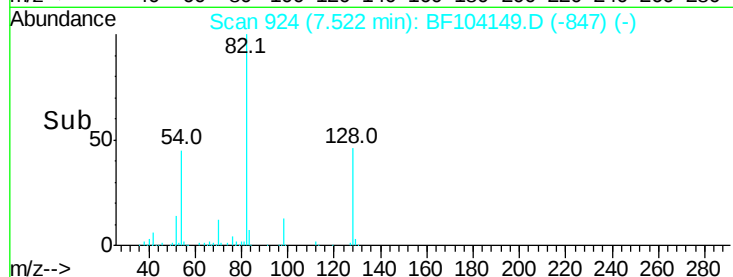
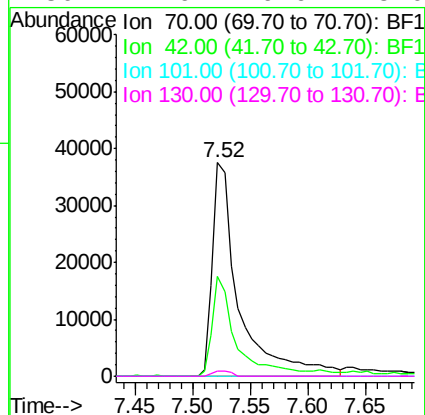
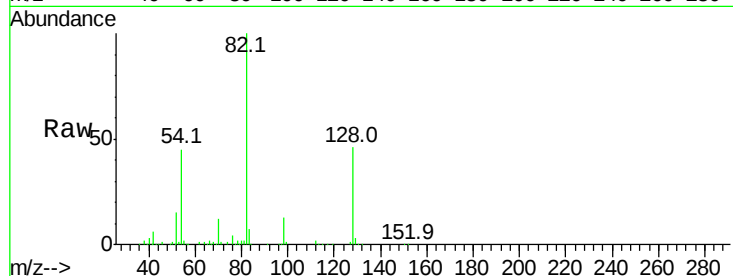




#19
n-Nitroso-di-n-propylamine
Concen: 13.707 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.15 min
Lab File: BF104149.D
Acq: 2 Apr 2018 21:22

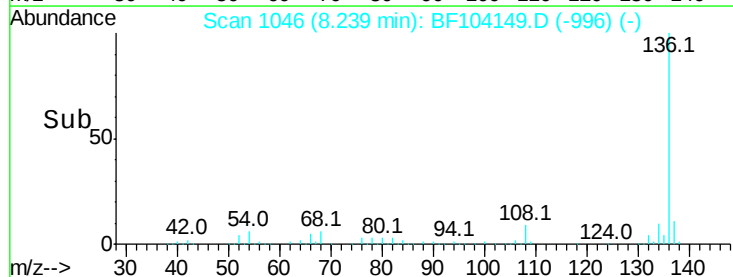
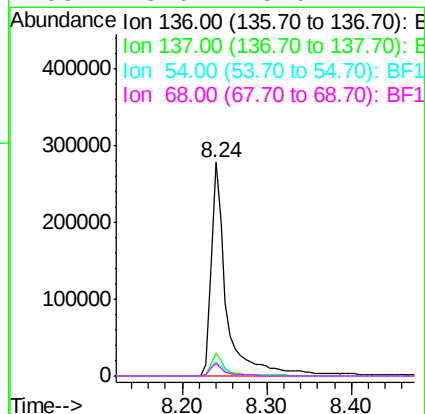
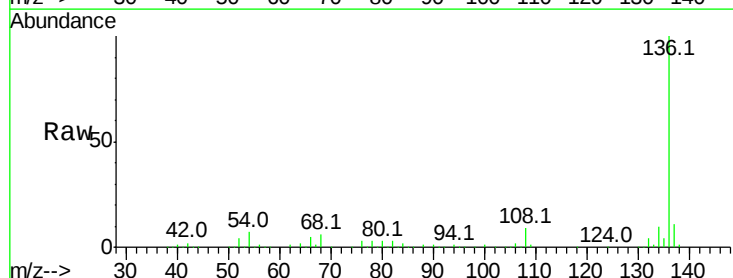
Instrument :
BNA_F
ClientSampleId :

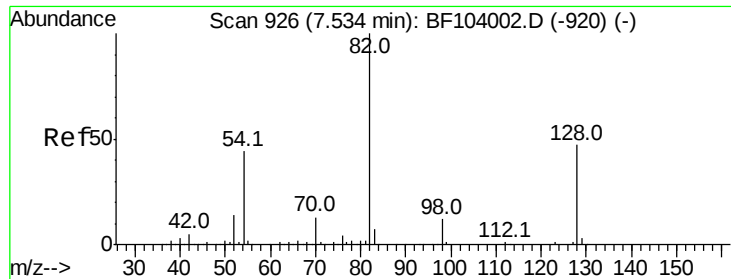
Tot Ion: 70 Resp: 60466
Ion Ratio Lower Upper
70 100
42 46.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104149.D
Acq: 2 Apr 2018 21:22

Tgt Ion:136 Resp: 356630
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.7 6.6 9.8
68 5.9 5.0 7.4

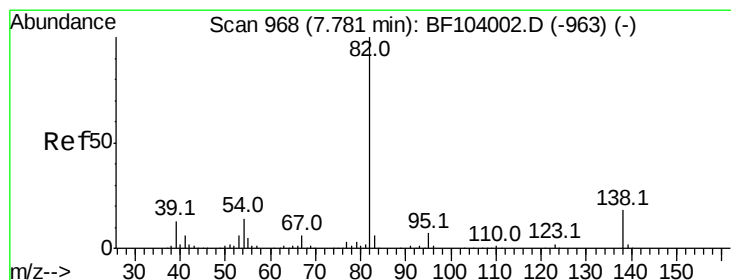
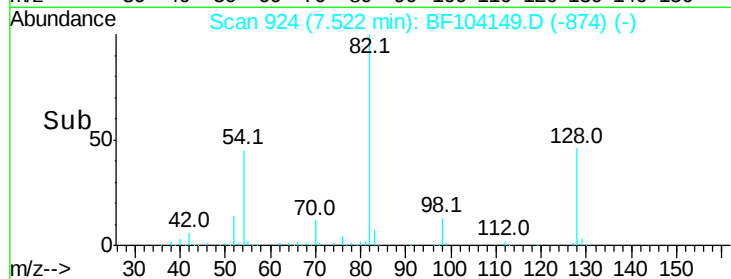
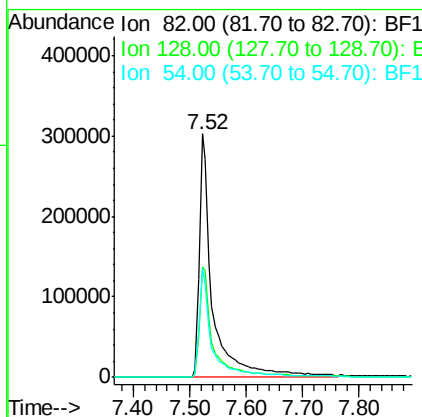
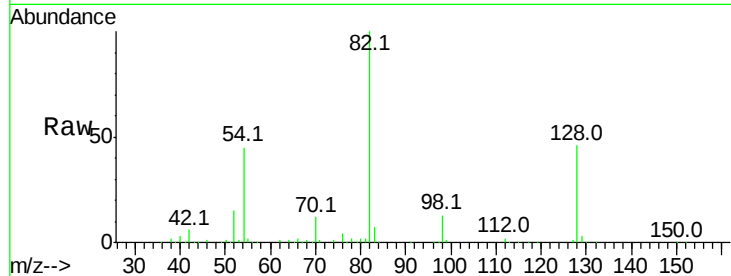




#23
 Nitrobenzene-d5
 Concen: 86.121 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BF104149.D
 Acq: 2 Apr 2018 21:22

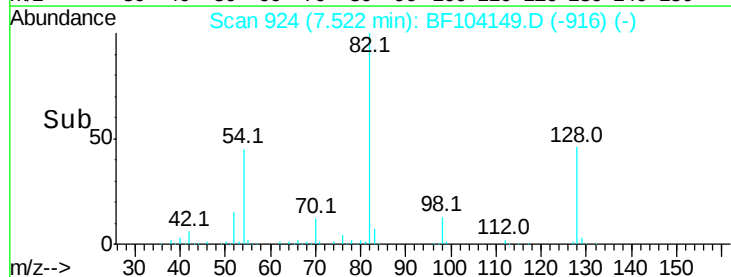
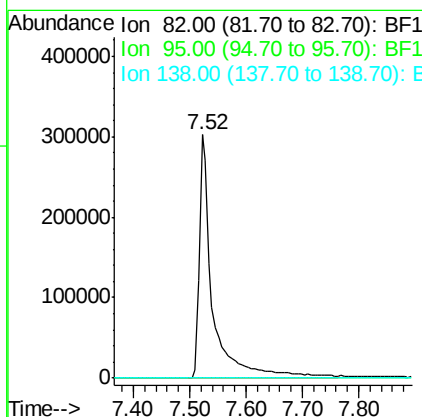
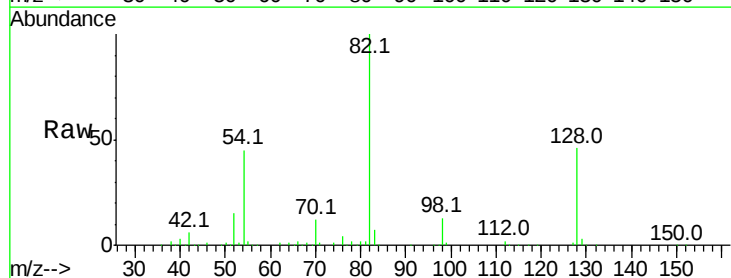
Instrument :
 BNA_F
 ClientSampleId :

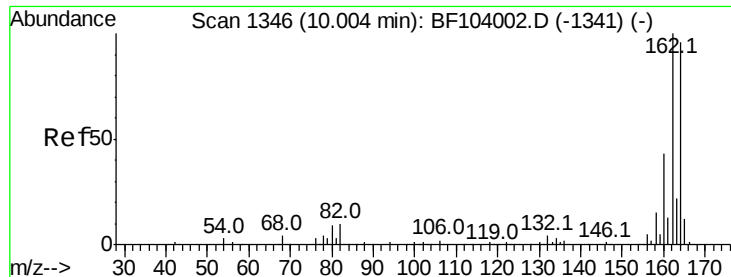
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	44.7	41.4	62.2



#25
 Isophorone
 Concen: 46.731 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.25 min
 Lab File: BF104149.D
 Acq: 2 Apr 2018 21:22

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

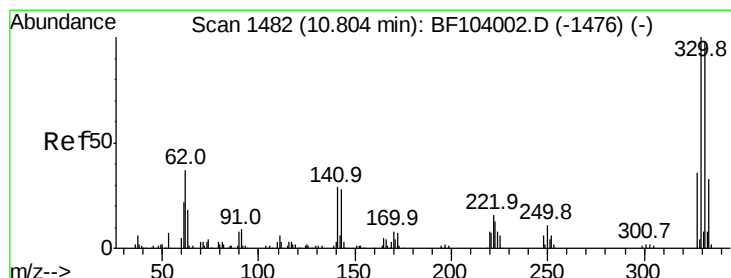
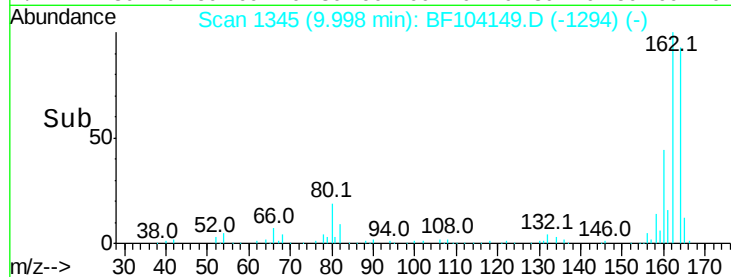
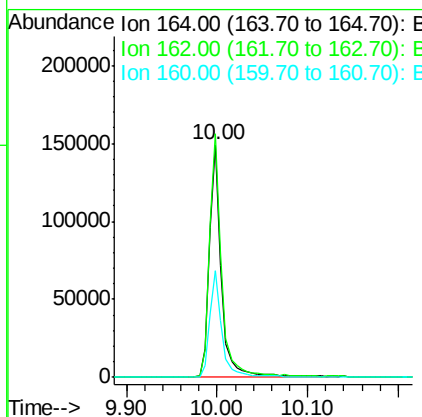
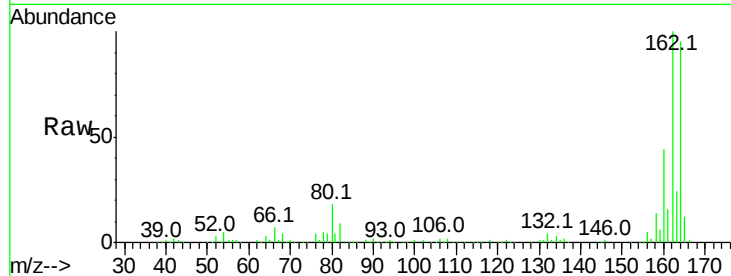




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF104149.D
Acq: 2 Apr 2018 21:22

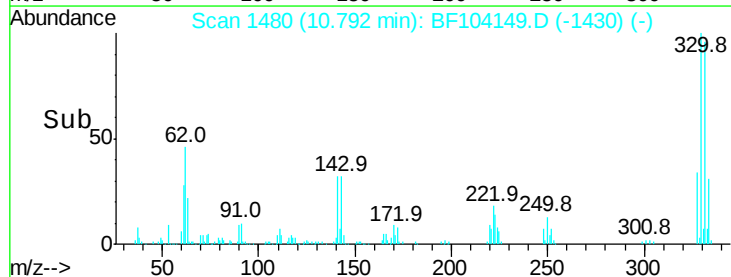
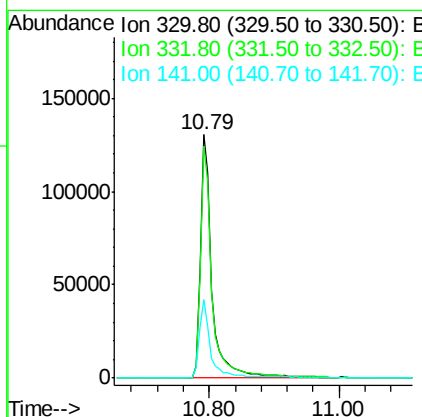
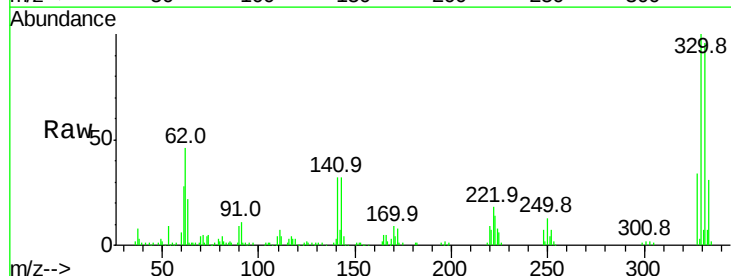
Instrument :
BNA_F
ClientSampleId :

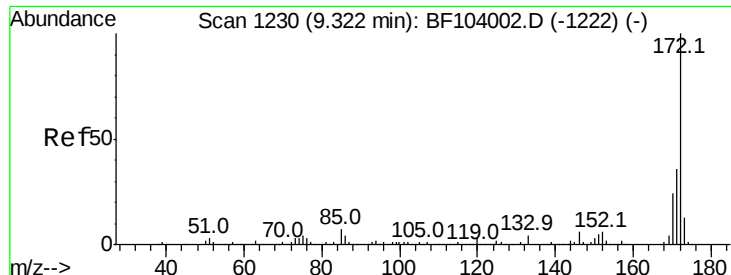
Tot Ion:164 Resp: 142623
Ion Ratio Lower Upper
164 100
162 104.8 86.1 129.1
160 46.0 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 101.927 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF104149.D
Acq: 2 Apr 2018 21:22

Tgt Ion:330 Resp: 161871
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 30.6 29.9 44.9

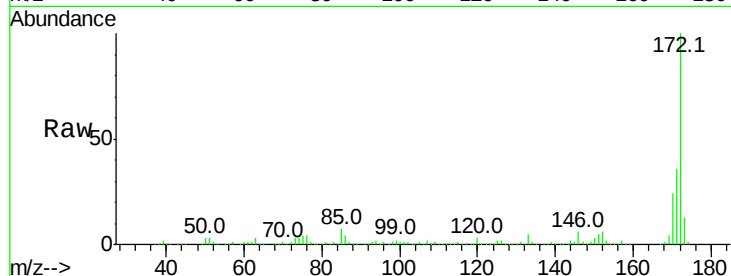




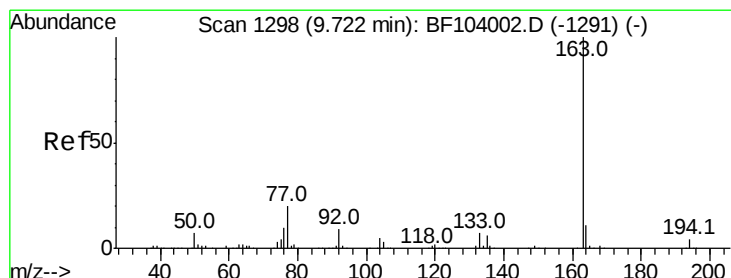
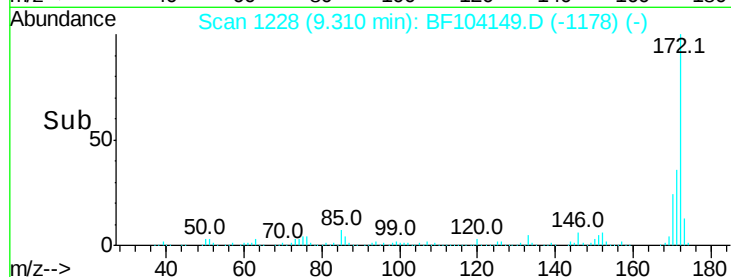
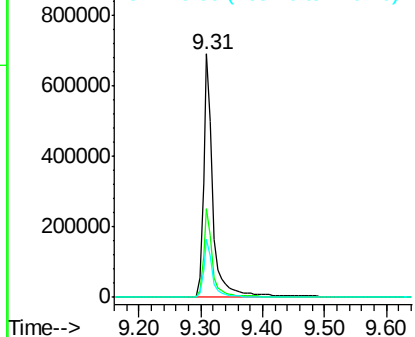
#44
2-Fluorobiphenyl
Concen: 83.372 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104149.D
Acq: 2 Apr 2018 21:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 754052
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 23.8 19.6 29.4

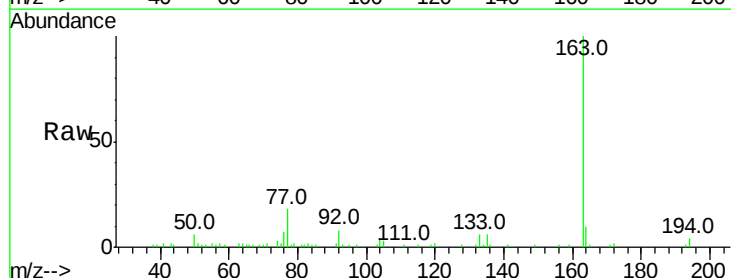


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

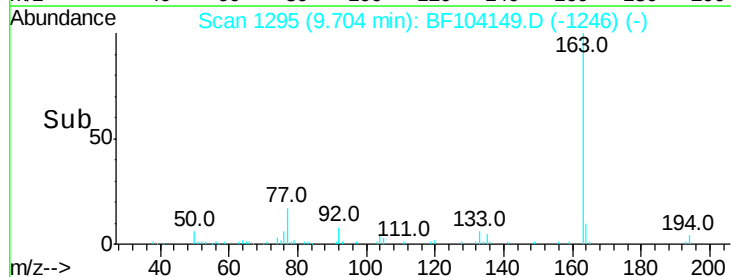
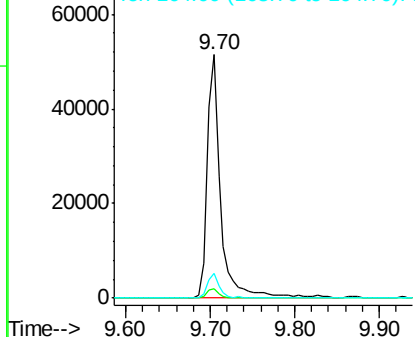


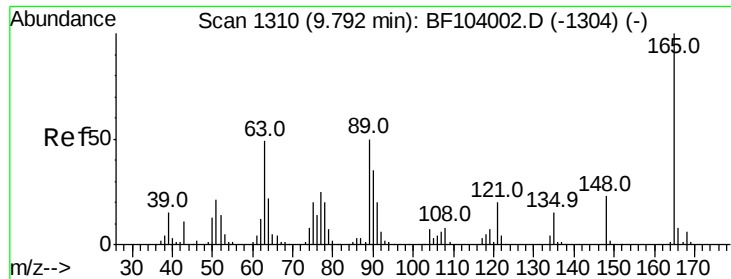
#49
Dimethylphthalate
Concen: 5.080 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104149.D
Acq: 2 Apr 2018 21:22

Tgt Ion:163 Resp: 57209
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.3 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

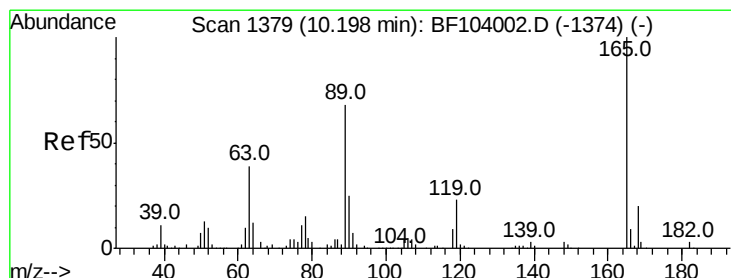
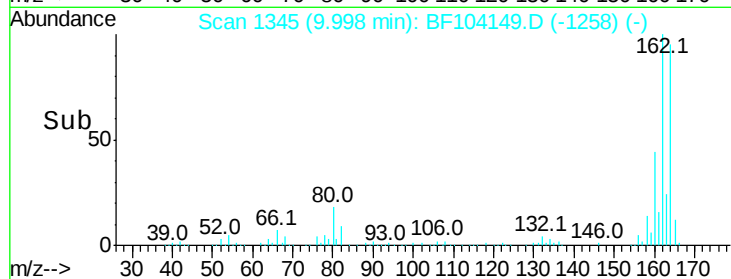
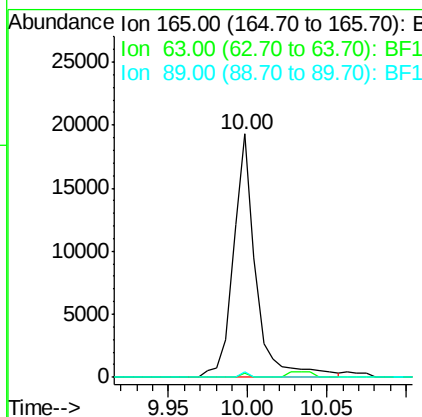
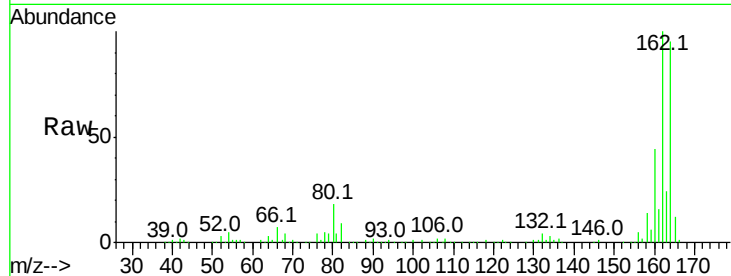




#50
 2,6-Dinitrotoluene
 Concen: 7.794 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.21 min
 Lab File: BF104149.D
 Acq: 2 Apr 2018 21:22

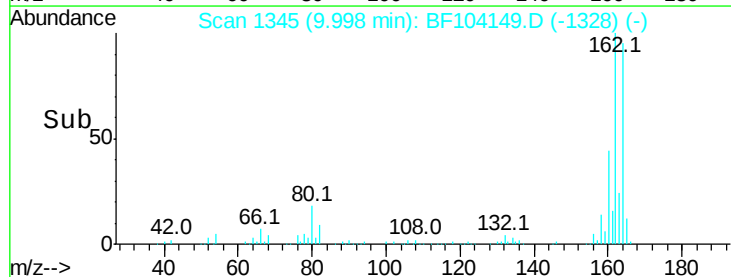
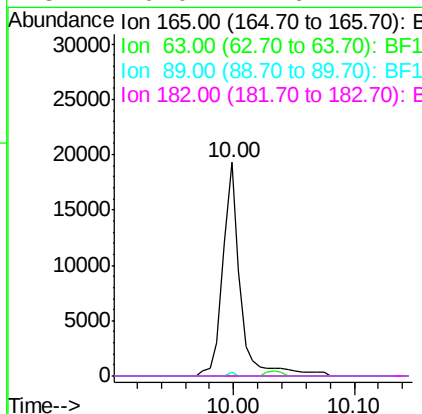
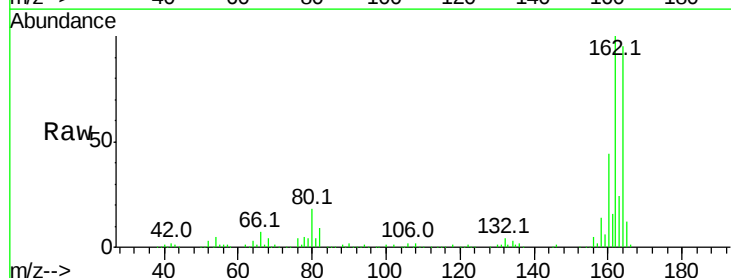
Instrument :
 BNA_F
 ClientSampled :

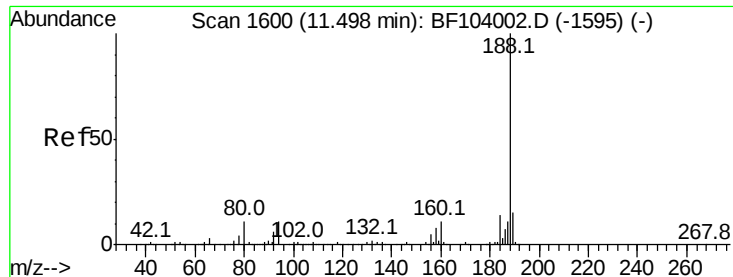
Tot Ion:165 Resp: 18883
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.7 67.1#
 89 2.1 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.226 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.20 min
 Lab File: BF104149.D
 Acq: 2 Apr 2018 21:22

Tgt Ion:165 Resp: 19246
 Ion Ratio Lower Upper
 165 100
 63 1.8 36.4 54.6#
 89 2.1 57.8 86.6#
 182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

Instrument :

BNA_F

ClientSampled :

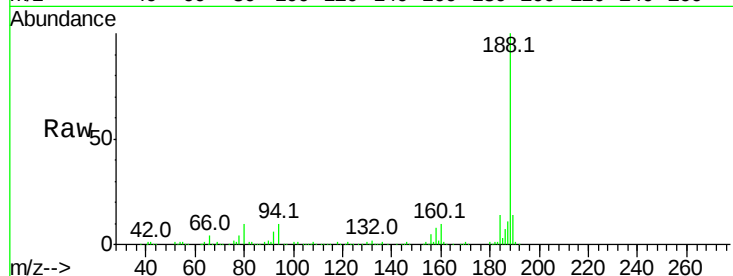
Tot Ion:188 Resp: 218103

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

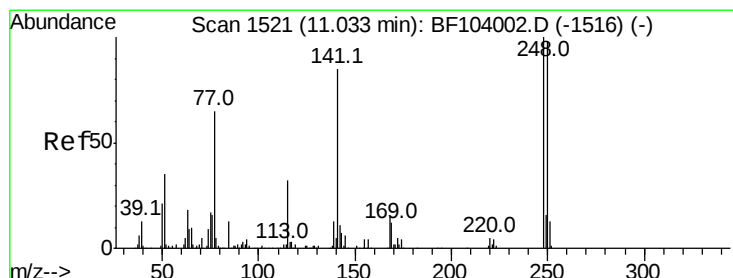
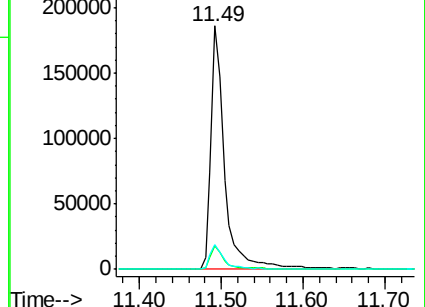
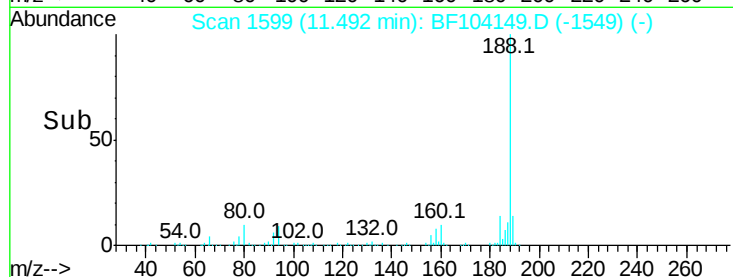
80 10.4 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 4.042 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.24 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

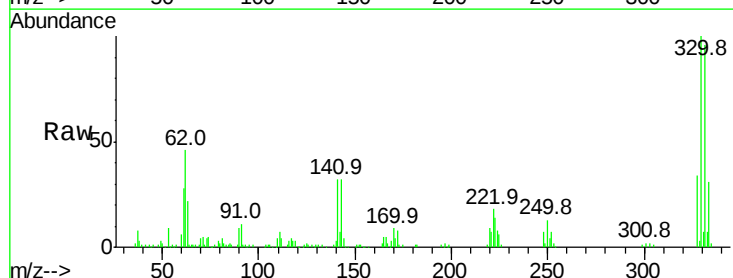
Tgt Ion:248 Resp: 9431

Ion Ratio Lower Upper

248 100

250 186.3 76.9 115.3#

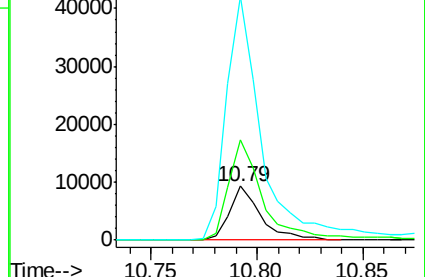
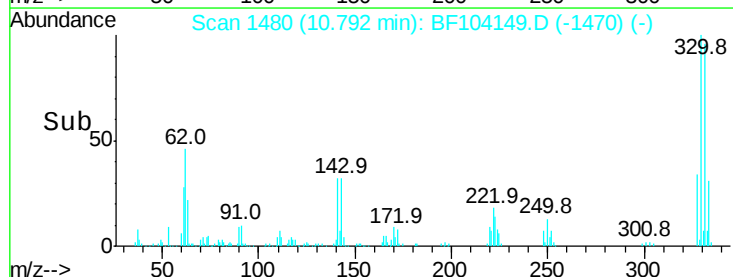
141 450.9 74.4 111.6#

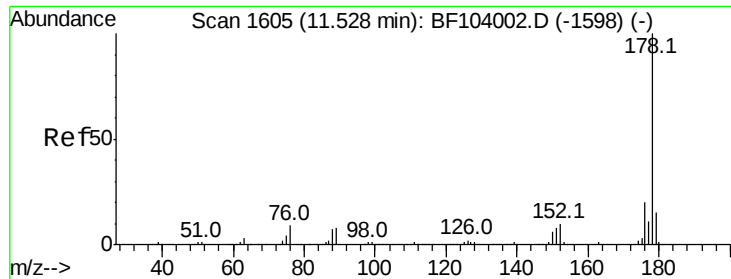


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

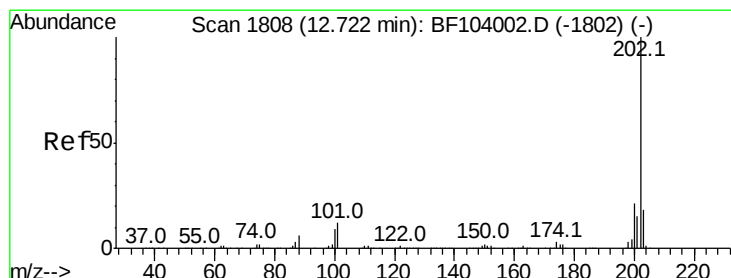
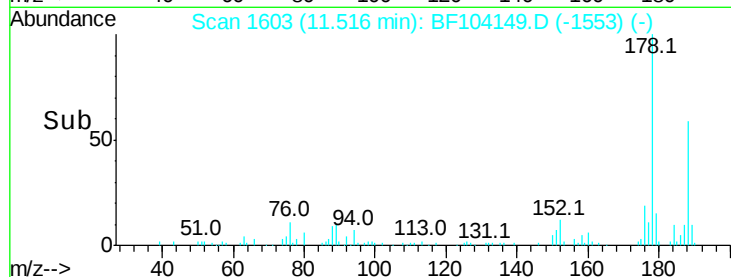
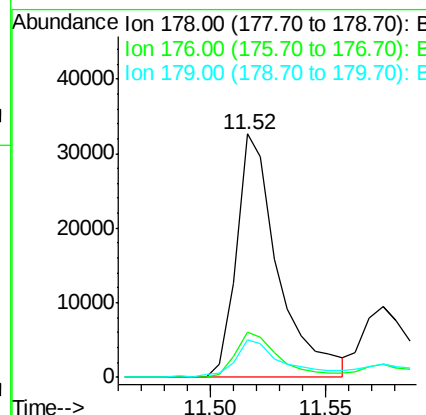
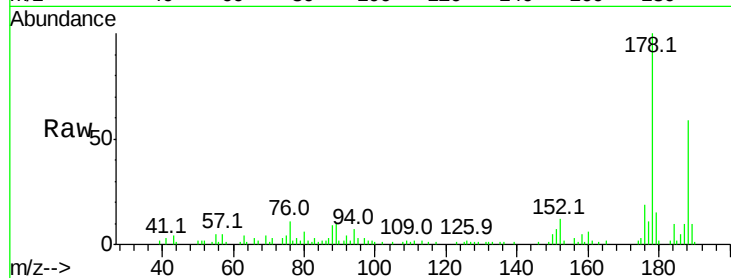




#70
Phenanthrene
Concen: 3.483 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104149.D
Acq: 2 Apr 2018 21:22

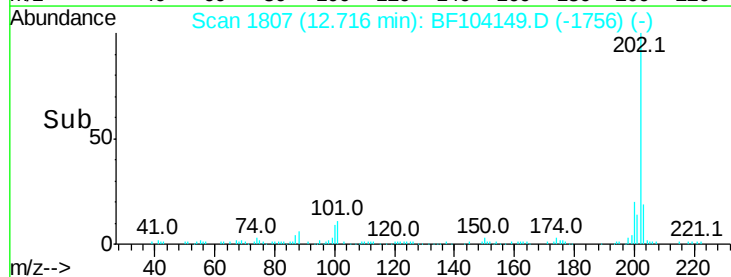
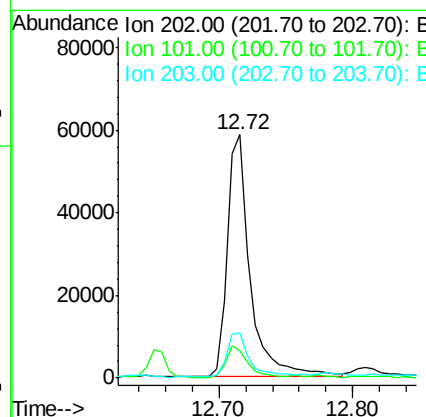
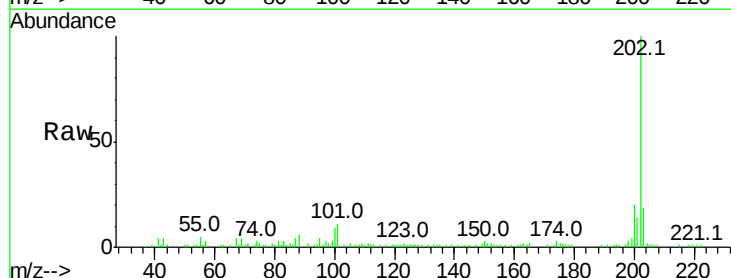
Instrument :
BNA_F
ClientSampleId :

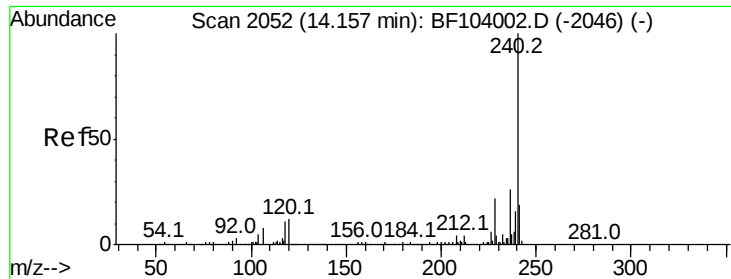
Tot Ion:178 Resp: 41126
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.4 13.0 19.6



#74
Fluoranthene
Concen: 5.624 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.00 min
Lab File: BF104149.D
Acq: 2 Apr 2018 21:22

Tgt Ion:202 Resp: 70593
Ion Ratio Lower Upper
202 100
101 11.2 0.0 34.1
203 18.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

Instrument :

BNA_F

ClientSampleId :

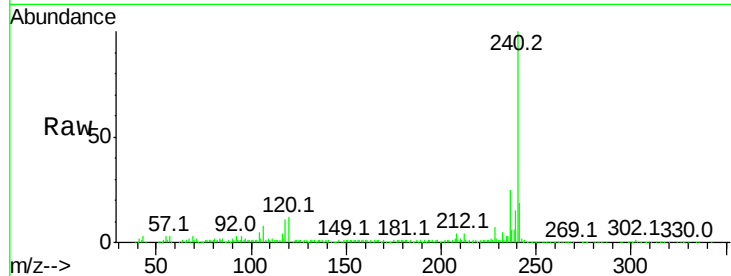
Tot Ion:240 Resp: 237604

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

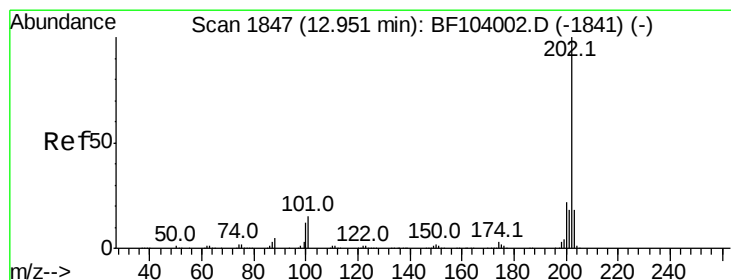
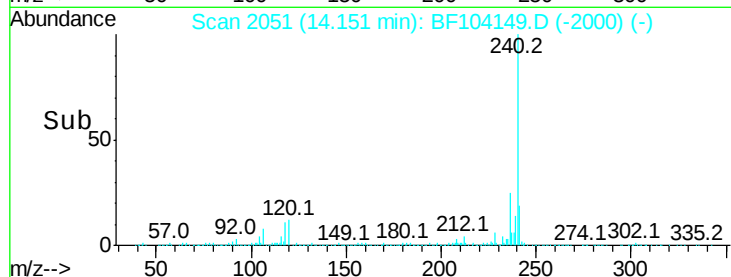
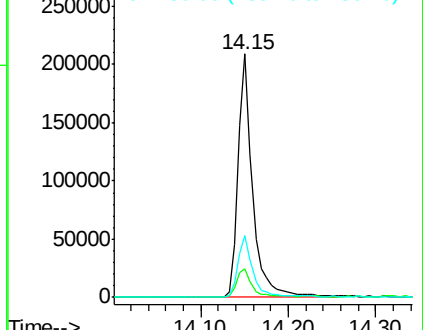
236 25.2 20.7 31.1



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: 3.883 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

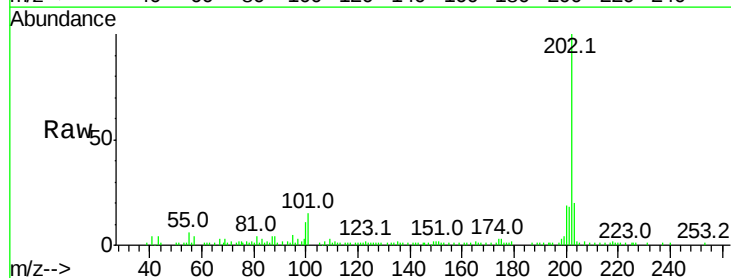
Tgt Ion:202 Resp: 66331

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

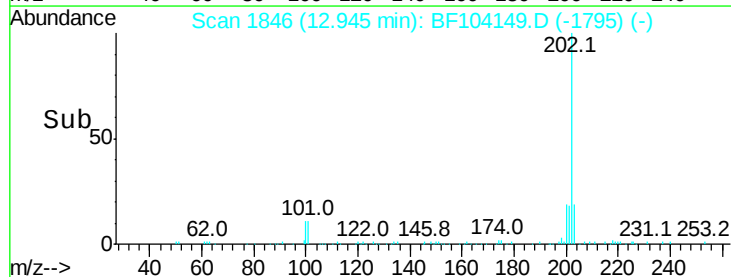
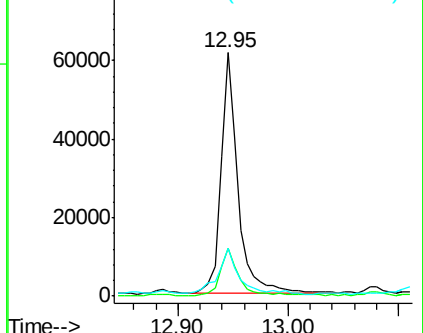
203 19.8 14.3 21.5

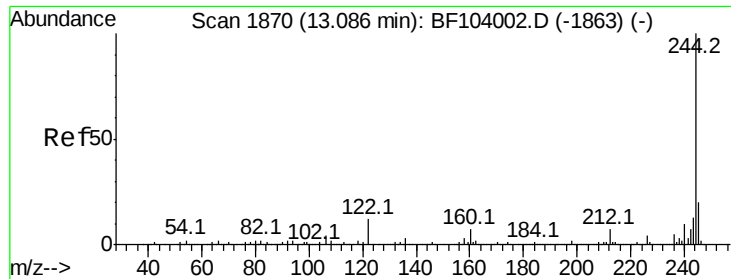


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.700 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

Instrument :

BNA_F

ClientSampleId :

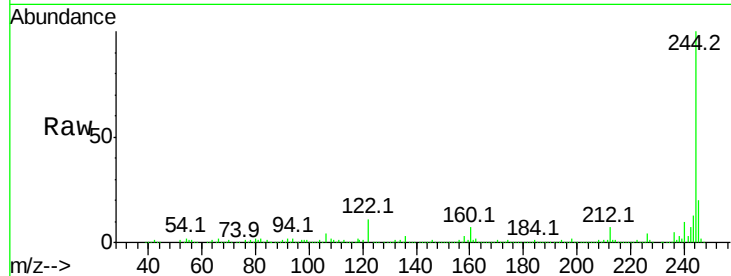
Tot Ion:244 Resp: 634926

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 11.3 11.0 16.4

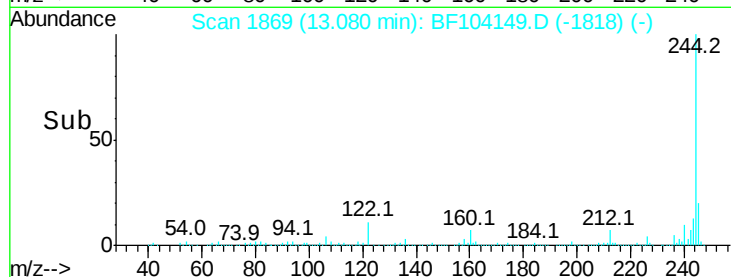


Abundance Ion 244.00 (243.70 to 244.70): E

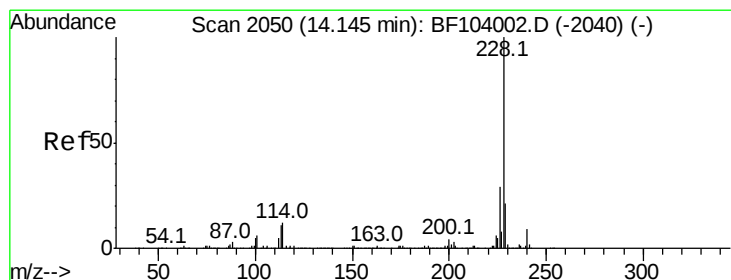
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

13.08



Time-->



#80

Benzo(a)anthracene

Concen: 2.834 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.00 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

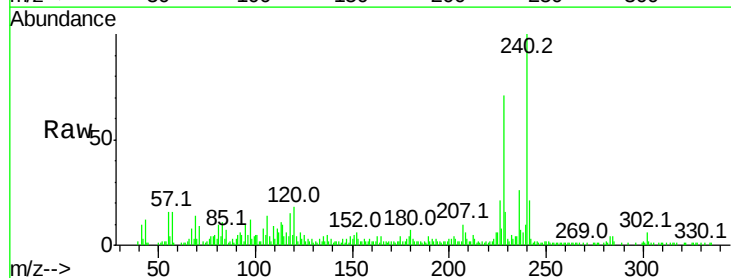
Tgt Ion:228 Resp: 42141

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

229 23.0 15.8 23.6

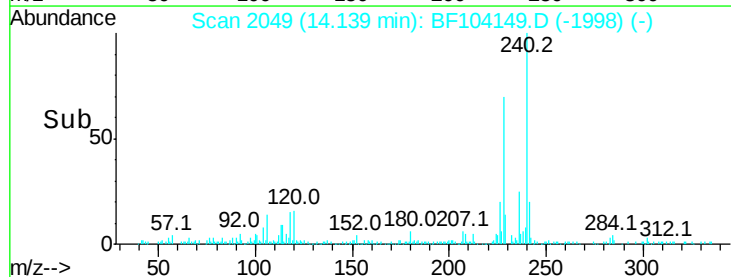


Abundance Ion 228.00 (227.70 to 228.70): E

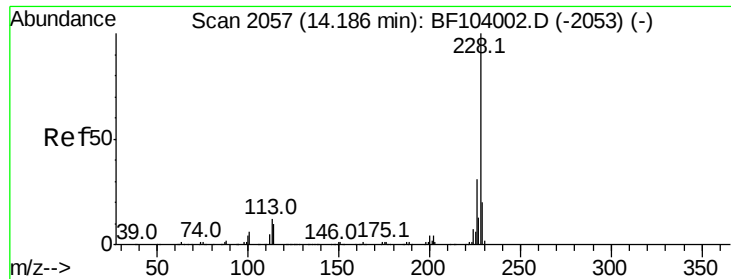
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

14.14



Time-->



#82

Chrysene

Concen: 2.401 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

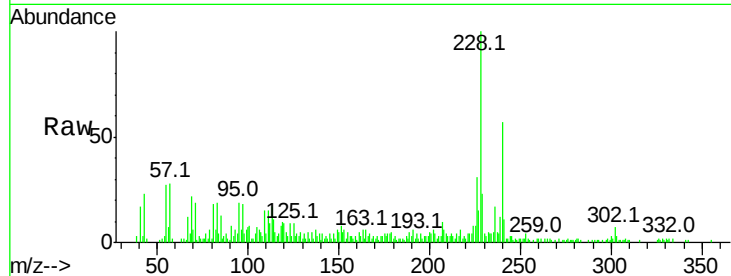
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 34957

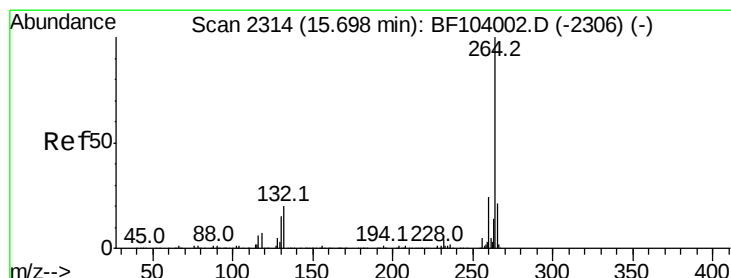
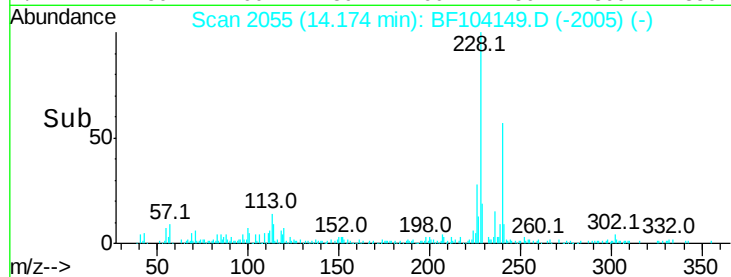
Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	23.2	16.2	24.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

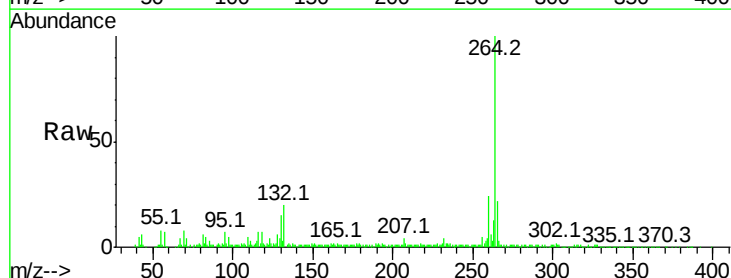
Delta R.T. 0.01 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

Tgt Ion:264 Resp: 201057

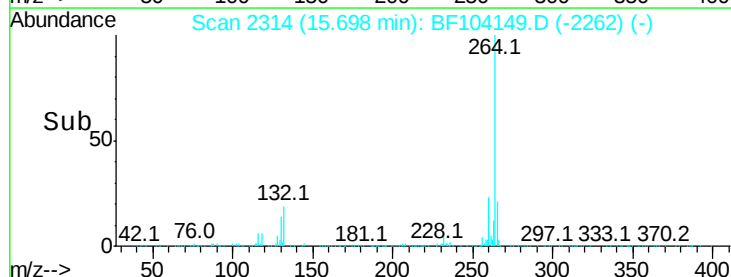
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.0	17.5	26.3

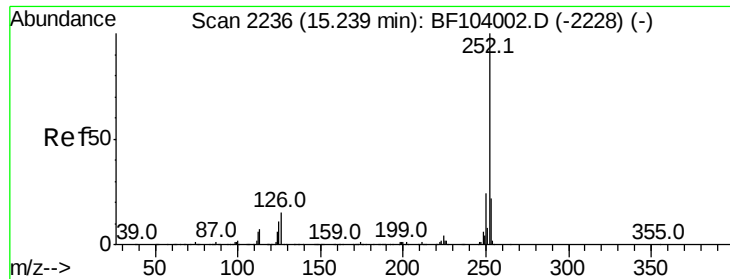


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.653 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

Instrument :

BNA_F

ClientSampleId :

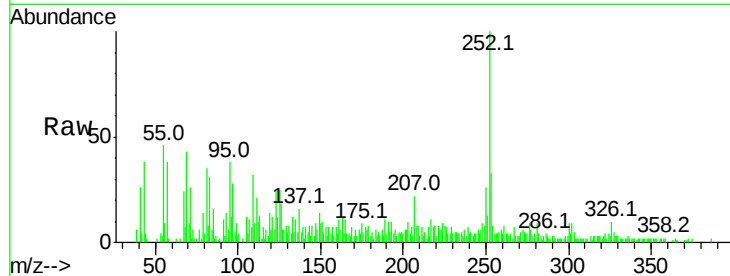
Tot Ion:252 Resp: 56929

Ion Ratio Lower Upper

252 100

253 32.7 17.0 25.6#

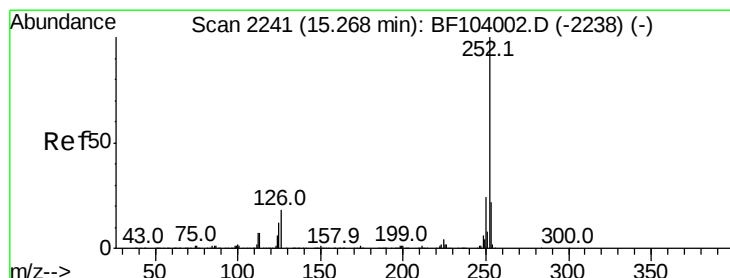
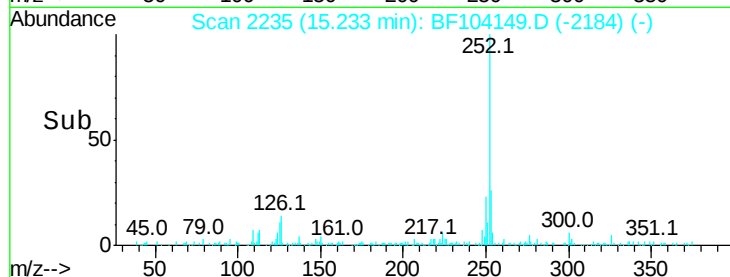
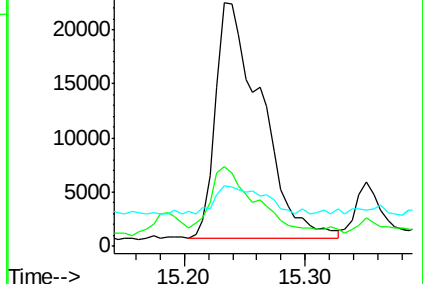
125 24.6 9.0 13.6#



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: 4.939 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.03 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

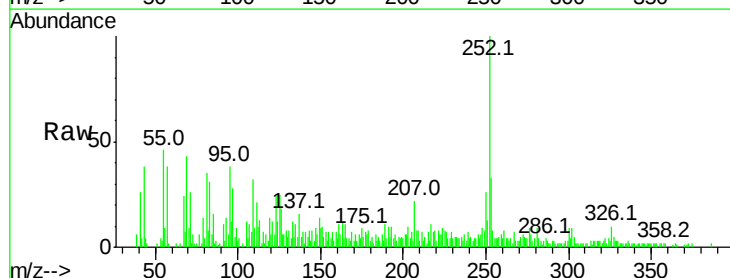
Tgt Ion:252 Resp: 56929

Ion Ratio Lower Upper

252 100

253 32.7 17.9 26.9#

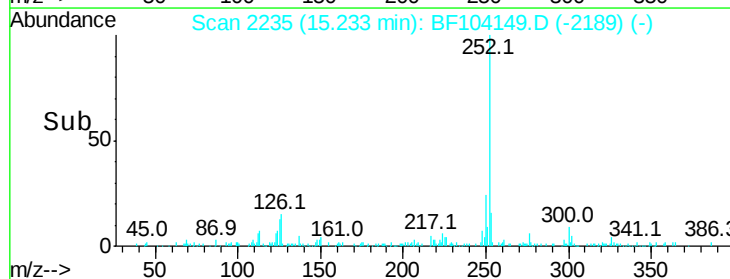
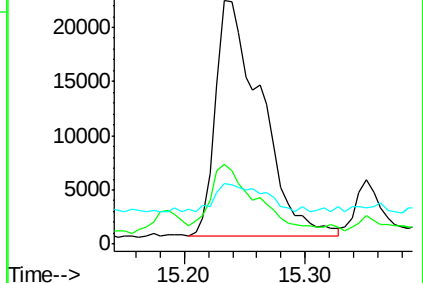
125 24.6 10.2 15.2#

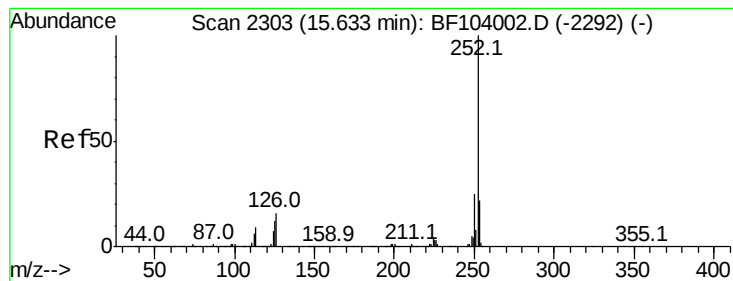


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.565 ng

RT: 15.63 min Scan# 2303

Delta R.T. 0.01 min

Lab File: BF104149.D

Acq: 2 Apr 2018 21:22

Instrument :

BNA_F

ClientSampleId :

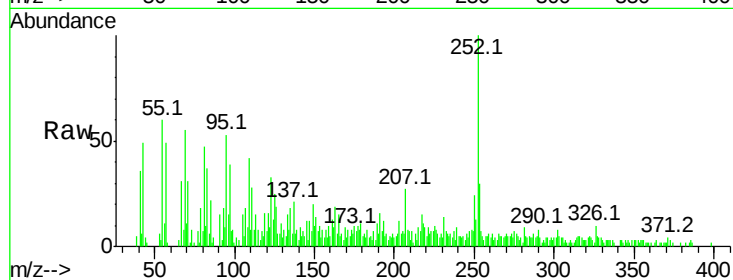
Tot Ion:252 Resp: 29086

Ion Ratio Lower Upper

252 100

253 29.5 17.1 25.7#

125 24.6 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

