

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104141.D
 Acq On : 2 Apr 2018 17:52
 Operator : JU/SJ
 Sample : J2173-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 01:06:10 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	108405	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	410086	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	208736	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	343166	20.00	ng	0.00
75) Chrysene-d12	14.15	240	230912	20.00	ng	0.00
86) Perylene-d12	15.69	264	235507	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	289783	42.63	ng	0.00
7) Phenol-d6	6.59	99	233958	27.97	ng	0.00
23) Nitrobenzene-d5	7.53	82	618934	92.30	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	256656	110.42	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1161387	87.74	ng	0.00
78) Terphenyl-d14	13.08	244	817503	81.74	ng	0.00

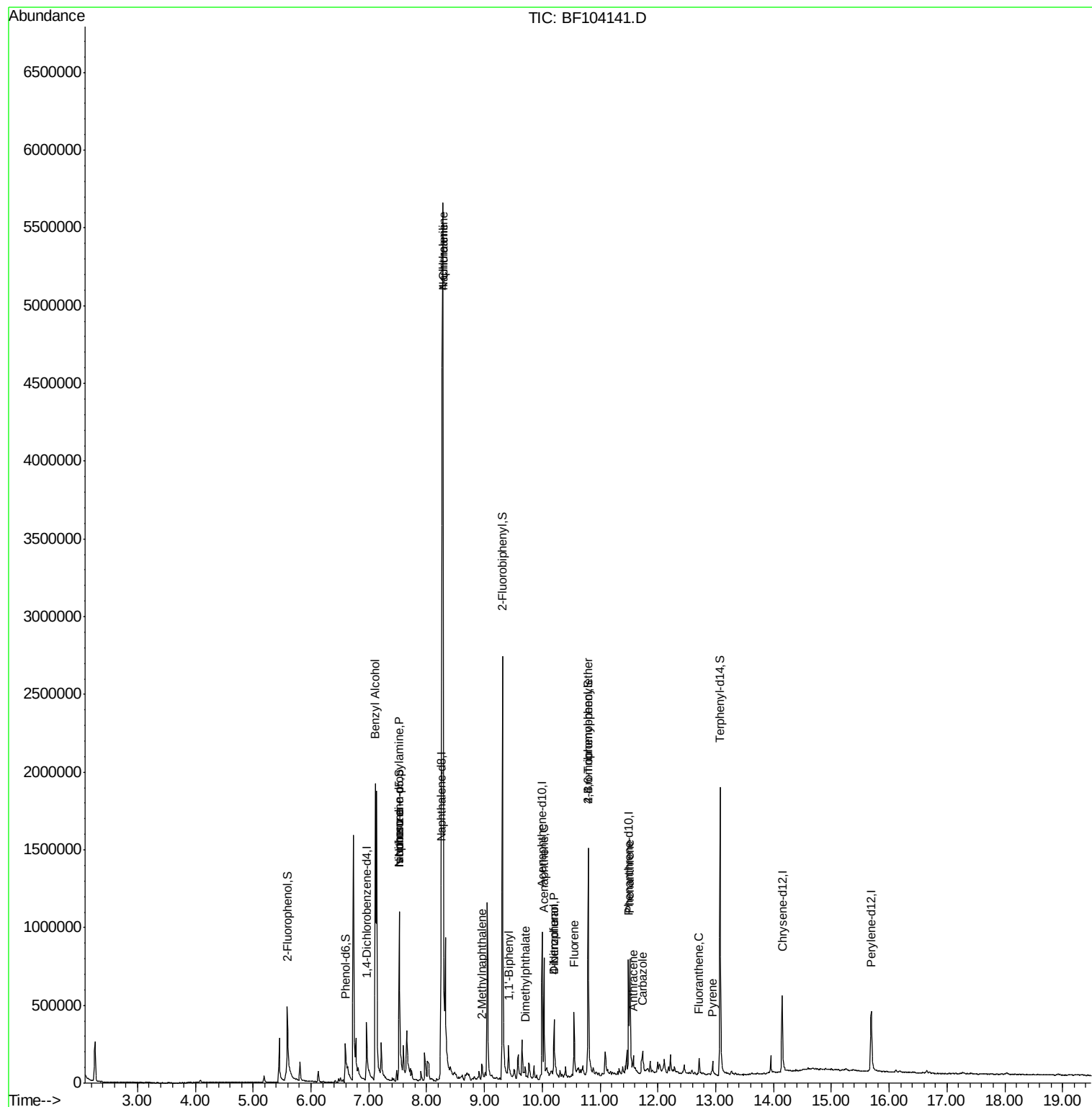
Target Compounds				Qvalue		
15) Benzyl Alcohol	7.12	79	11381	2.093	ng	# 39
19) n-Nitroso-di-n-propylamine	7.53	70	75995	15.312	ng	# 72
25) Isophorone	7.53	82	618934	50.084	ng	# 64
31) Naphthalene	8.28	128	4811128	240.147	ng	98
33) 4-Chloroaniline	8.28	127	661808	78.356	ng	# 35
37) 2-Methylnaphthalene	8.95	142	33008	2.501	ng	95
45) 1,1'-Biphenyl	9.42	154	99747	5.568	ng	98
49) Dimethylphthalate	9.70	163	34020	2.064	ng	# 99
51) Acenaphthene	10.03	154	207857	16.783	ng	98
54) Dibenzofuran	10.20	168	216558	11.974	ng	100
55) 4-Nitrophenol	10.20	139	81065	33.171	ng	# 11
57) Fluorene	10.55	166	176603	11.838	ng	98
66) 4-Bromophenyl-phenylether	10.80	248	15425	4.201	ng	# 1
70) Phenanthrene	11.52	178	313252	16.860	ng	98
71) Anthracene	11.57	178	82920	4.273	ng	97
72) Carbazole	11.73	167	110548	5.968	ng	99
74) Fluoranthene	12.72	202	54100	2.739	ng	97
77) Pyrene	12.94	202	43888	2.644	ng	96

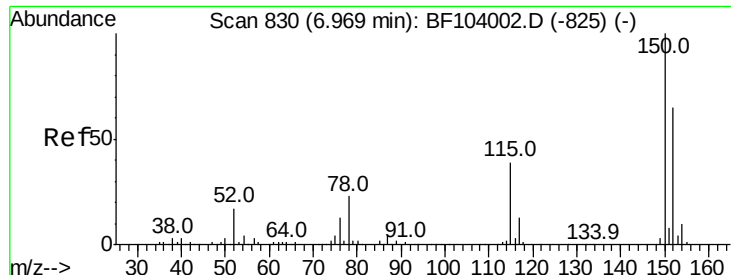
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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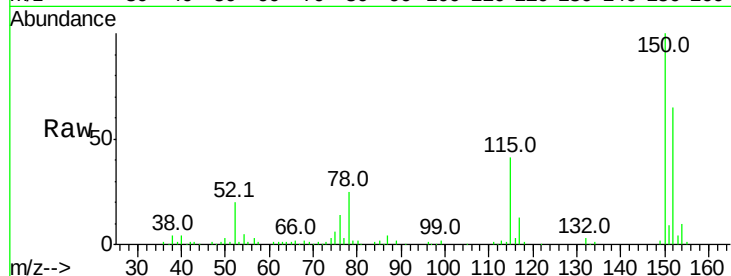


#1

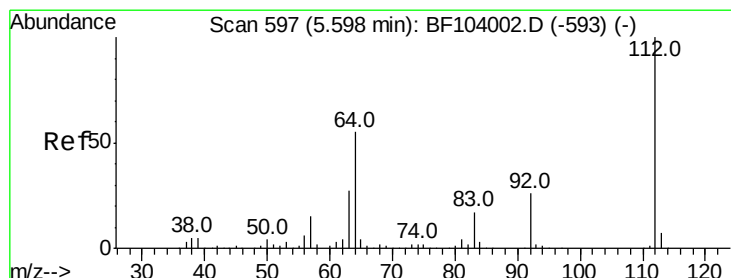
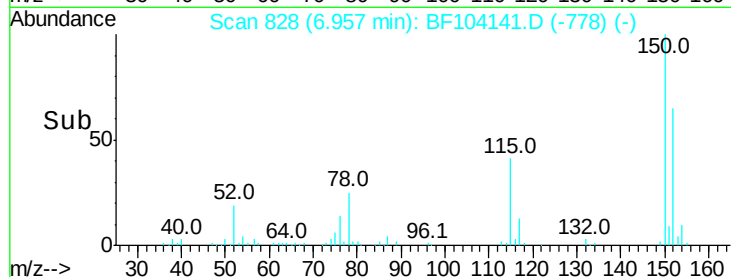
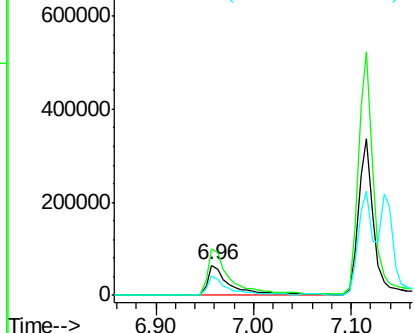
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104141.D
Acq: 2 Apr 2018 17:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108405
Ion Ratio Lower Upper
152 100
150 153.7 124.6 186.8
115 63.6 50.1 75.1



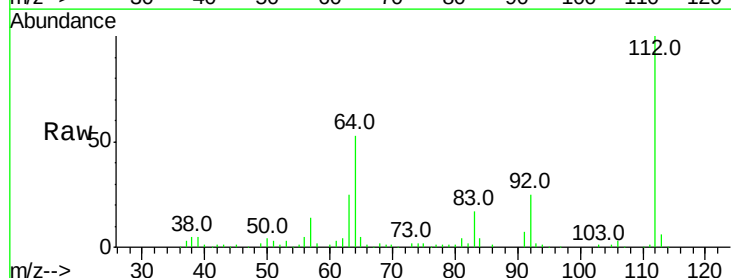
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



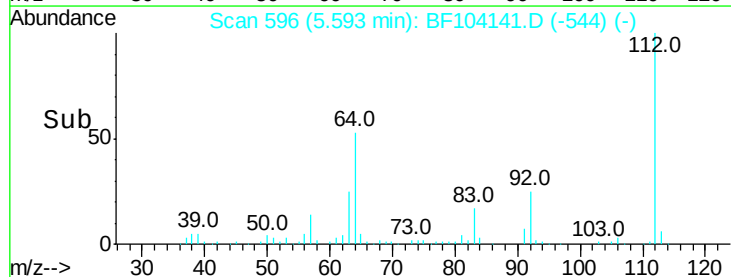
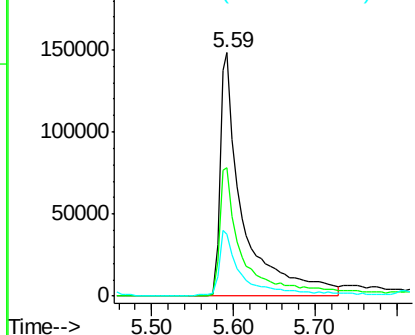
#5

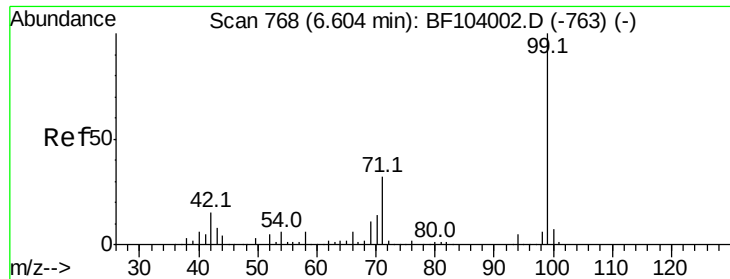
2-Fluorophenol
Concen: 42.630 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104141.D
Acq: 2 Apr 2018 17:52

Tgt Ion:112 Resp: 289783
Ion Ratio Lower Upper
112 100
64 52.8 47.9 71.9
63 25.2 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: 27.975 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

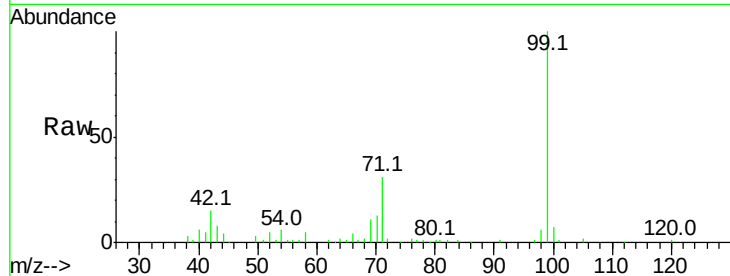
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 233958

Ion	Ratio	Lower	Upper
99	100		
42	14.5	14.5	21.7
71	30.9	25.4	38.0

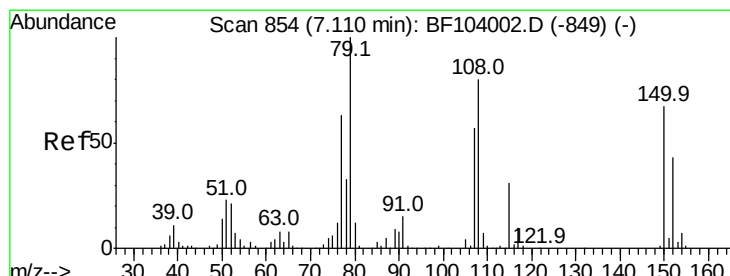
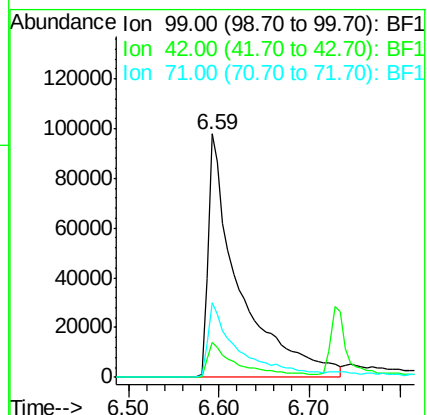
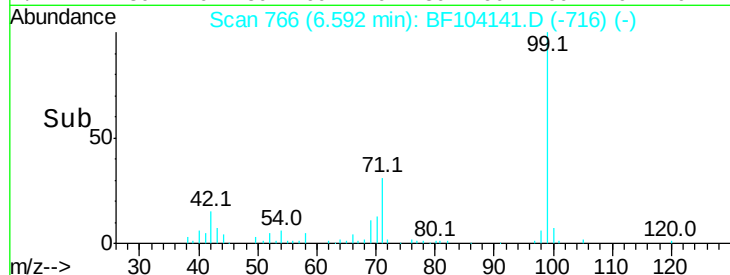


Abundance

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



#15

Benzyl Alcohol

Concen: 2.093 ng

RT: 7.12 min Scan# 855

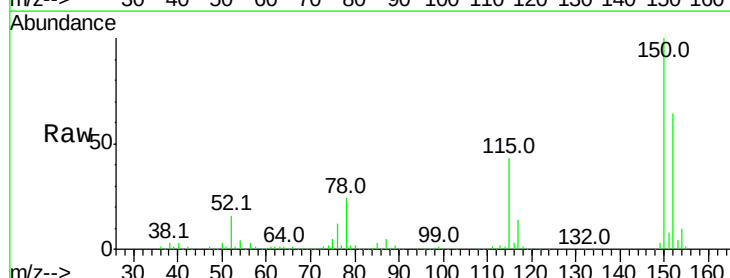
Delta R.T. 0.01 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

Tgt Ion: 79 Resp: 11381

Ion	Ratio	Lower	Upper
79	100		
108	30.0	65.1	97.7#
77	113.5	50.6	75.8#

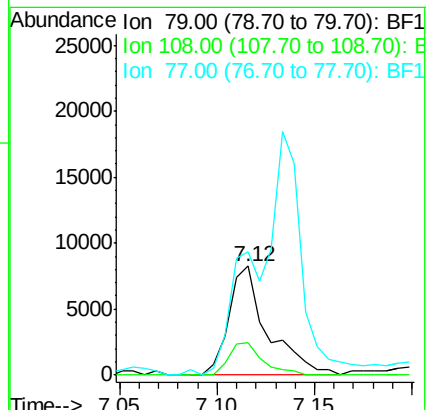
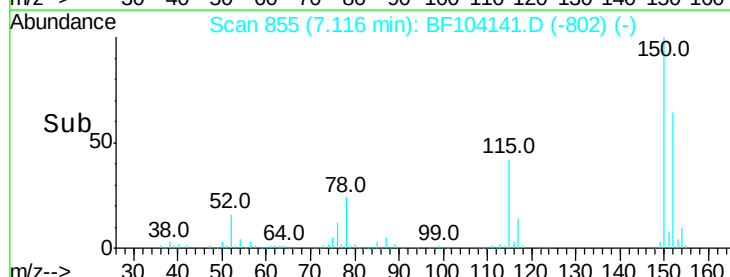


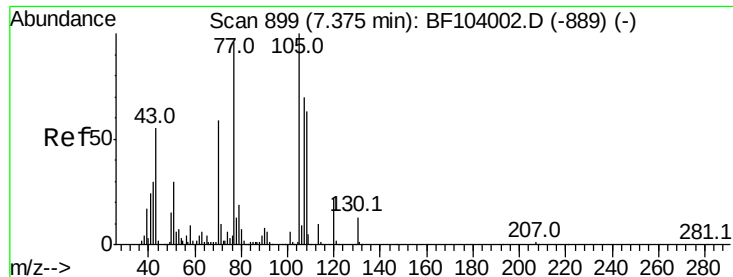
Abundance

Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

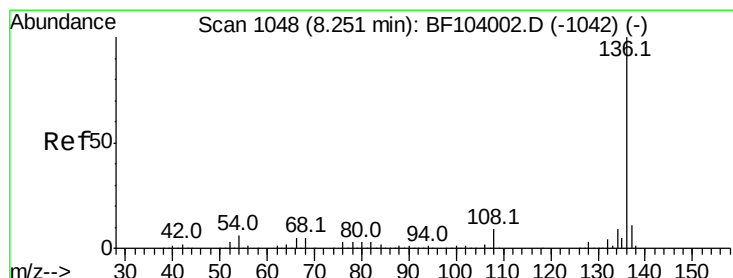
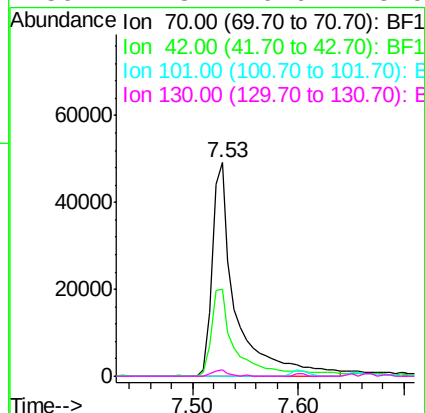
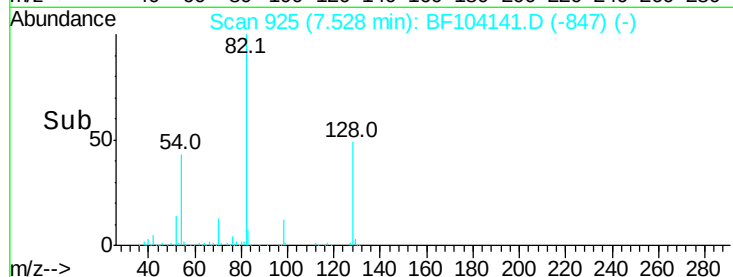
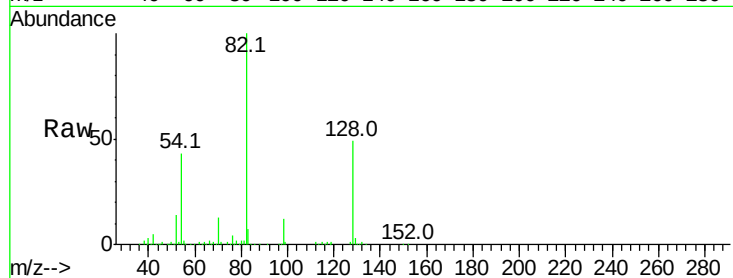




#19
n-Nitroso-di-n-propylamine
Concen: 15.312 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.16 min
Lab File: BF104141.D
Acq: 2 Apr 2018 17:52

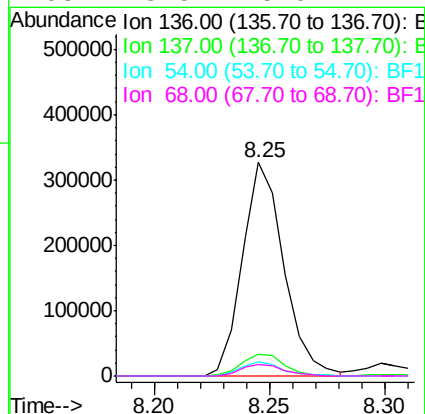
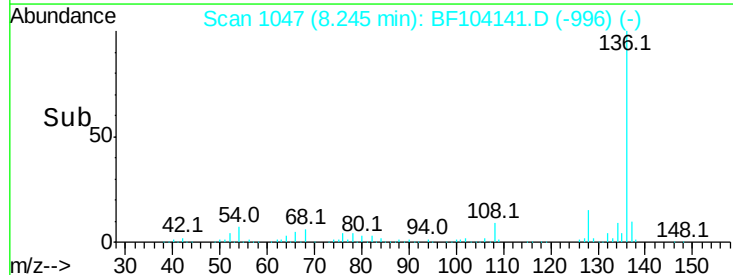
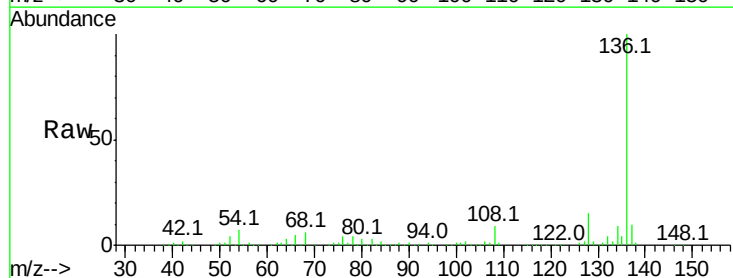
Instrument :
BNA_F
ClientSampled :

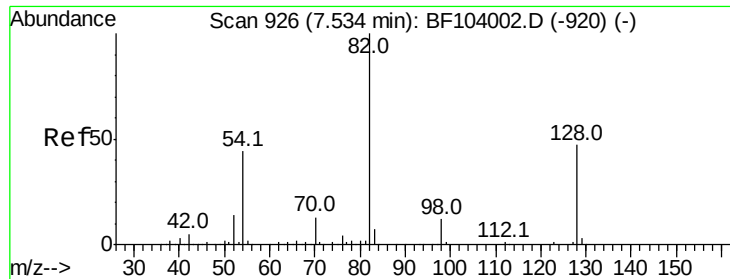
Tot Ion: 70 Resp: 75995
Ion Ratio Lower Upper
70 100
42 41.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BF104141.D
Acq: 2 Apr 2018 17:52

Tgt Ion: 136 Resp: 410086
Ion Ratio Lower Upper
136 100
137 10.2 8.9 13.3
54 6.8 6.6 9.8
68 5.5 5.0 7.4

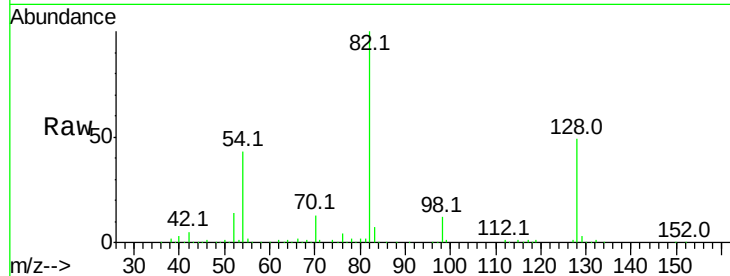




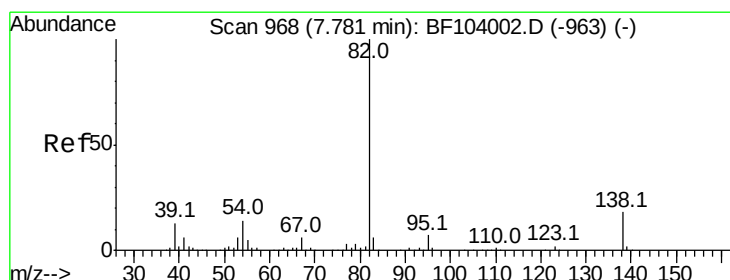
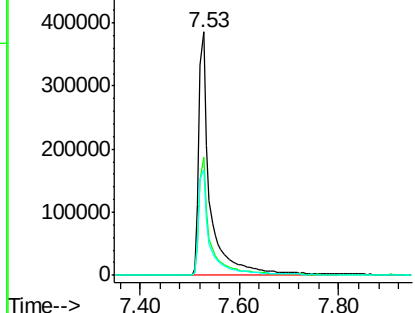
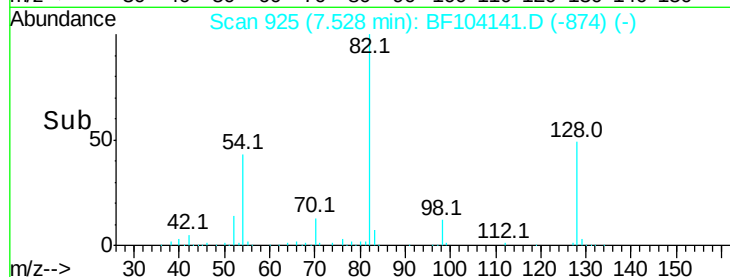
#23
 Nitrobenzene-d5
 Concen: 92.301 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF104141.D
 Acq: 2 Apr 2018 17:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	618934
Ion Ratio	Lower	Upper	
82	100		
128	48.7	36.1	54.1
54	43.2	41.4	62.2

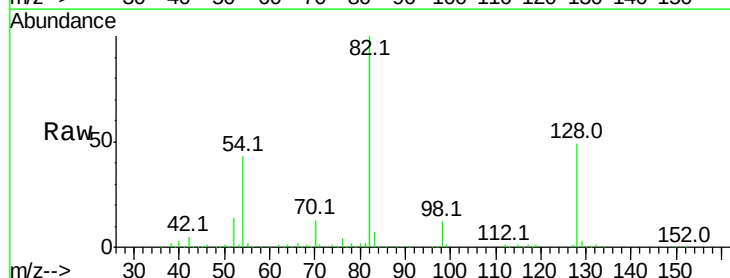


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

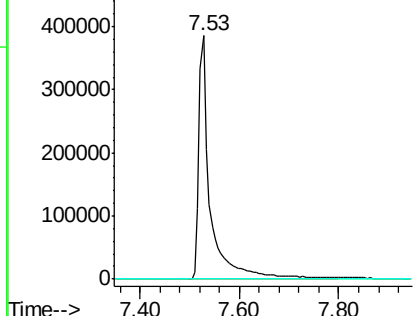
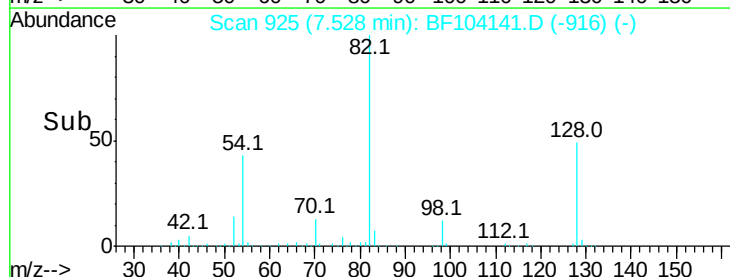


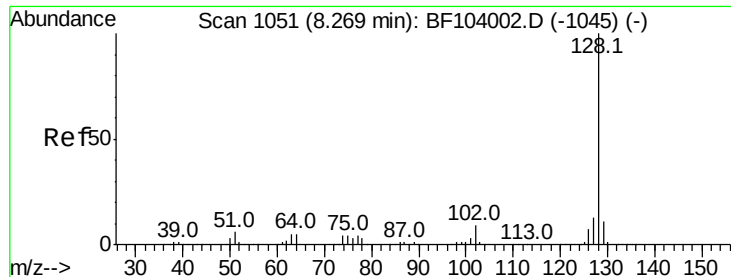
#25
 Isophorone
 Concen: 50.084 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.25 min
 Lab File: BF104141.D
 Acq: 2 Apr 2018 17:52

Tgt Ion	82	Resp	618934
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

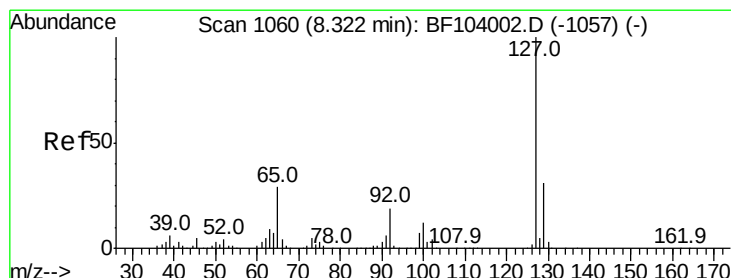
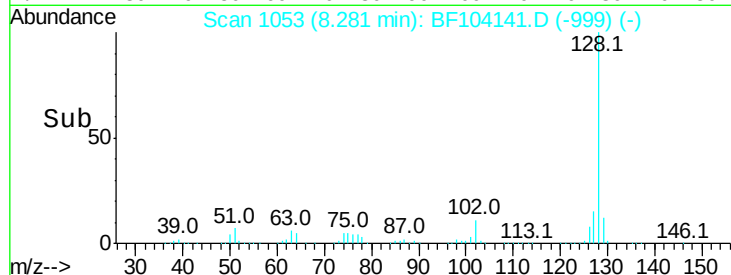
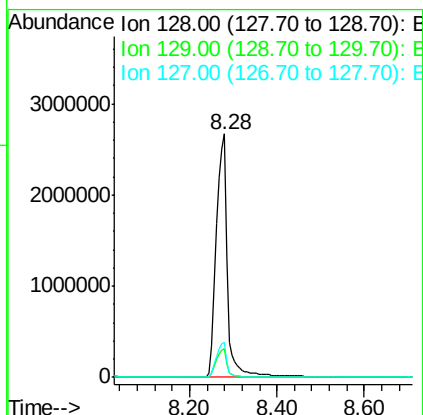
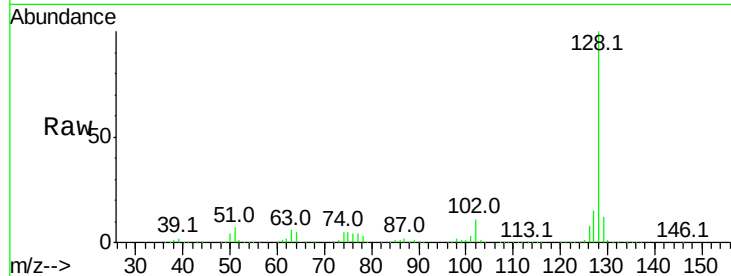




#31
Naphthalene
Concen: 240.147 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.02 min
Lab File: BF104141.D
Acq: 2 Apr 2018 17:52

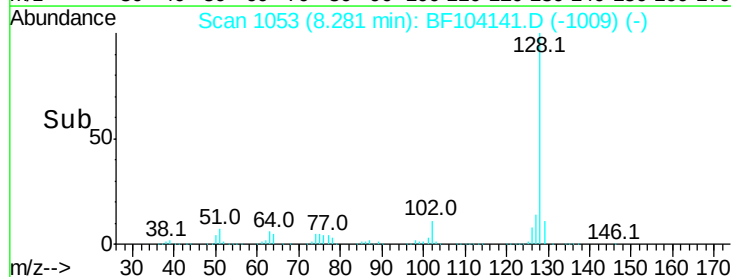
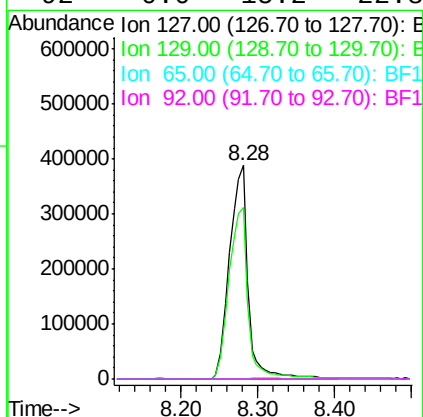
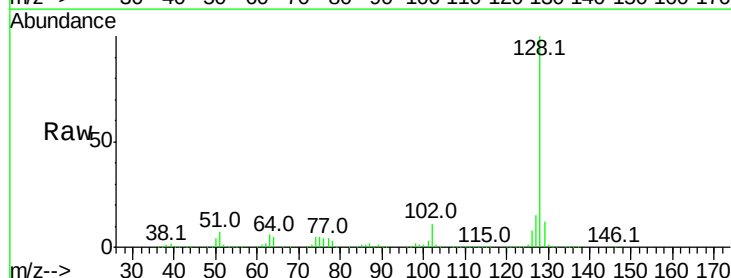
Instrument :
BNA_F
ClientSampleId :

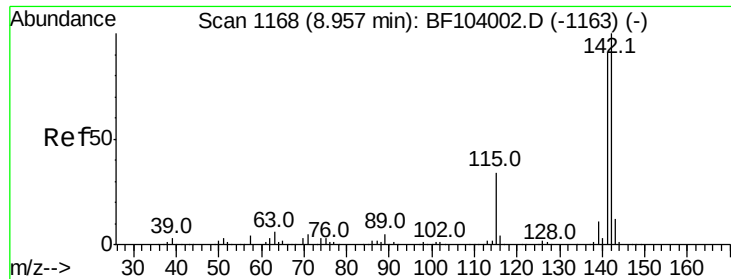
Tot Ion:128 Resp: 4811128
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 14.5 10.9 16.3



#33
4-Chloroaniline
Concen: 78.356 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.04 min
Lab File: BF104141.D
Acq: 2 Apr 2018 17:52

Tgt Ion:127 Resp: 661808
Ion Ratio Lower Upper
127 100
129 80.4 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

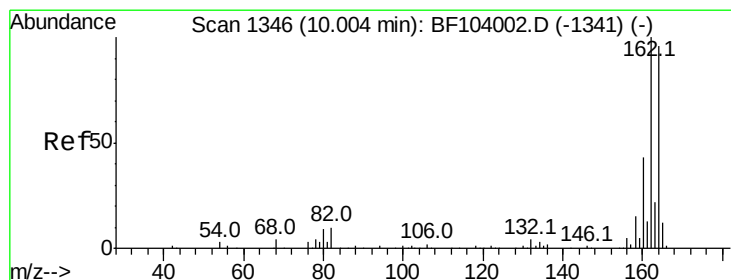
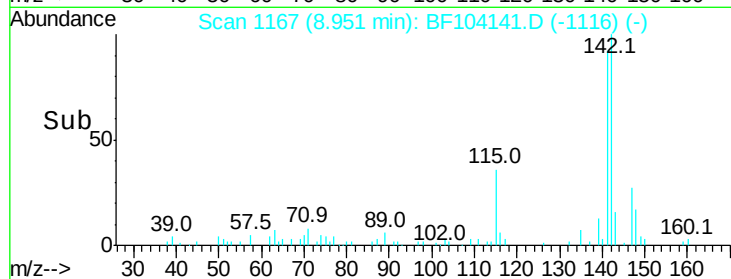
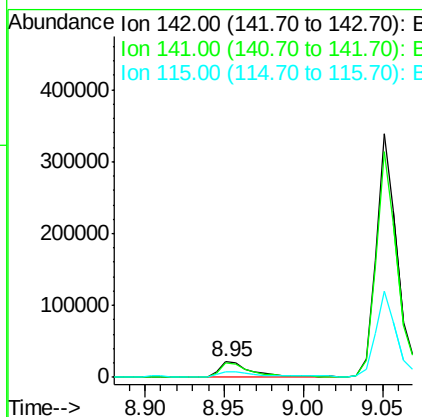
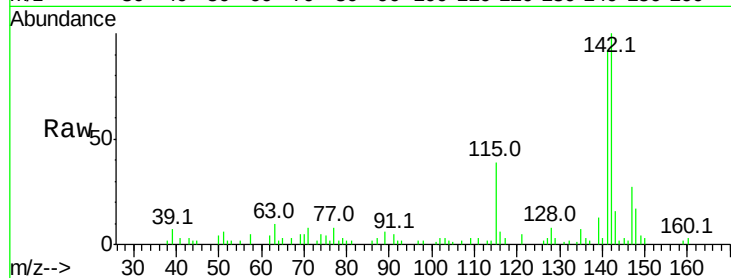




#37
 2-Methylnaphthalene
 Concen: 2.501 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: BF104141.D
 Acq: 2 Apr 2018 17:52

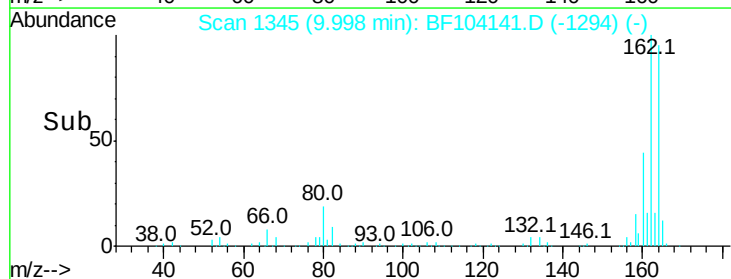
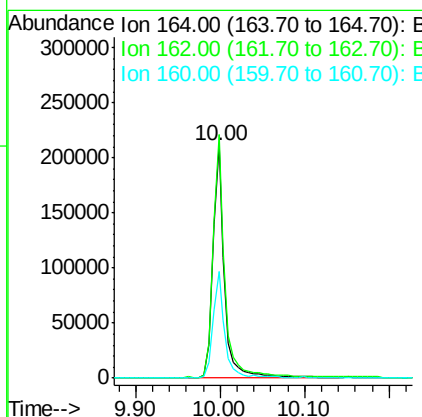
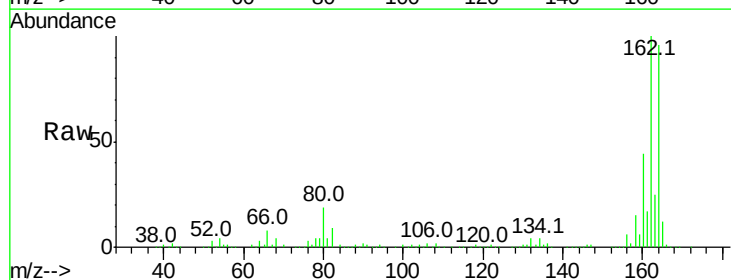
Instrument :
 BNA_F
 ClientSampled :

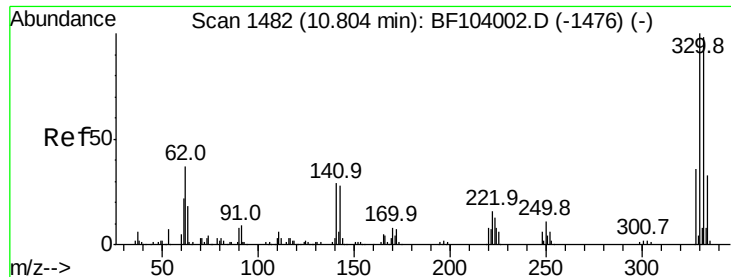
Tot Ion:142 Resp: 33008
 Ion Ratio Lower Upper
 142 100
 141 91.5 70.8 106.2
 115 39.1 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: BF104141.D
 Acq: 2 Apr 2018 17:52

Tgt Ion:164 Resp: 208736
 Ion Ratio Lower Upper
 164 100
 162 104.5 86.1 129.1
 160 45.7 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 110.424 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

Instrument :

BNA_F

ClientSampleId :

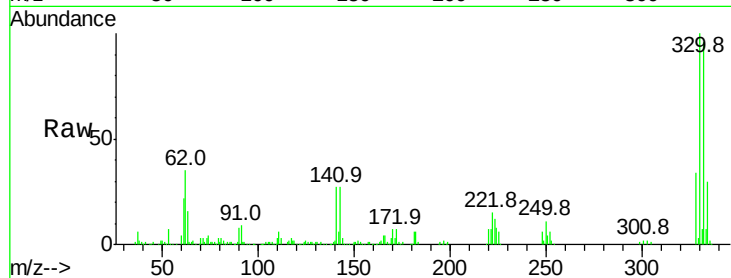
Tot Ion:330 Resp: 256656

Ion Ratio Lower Upper

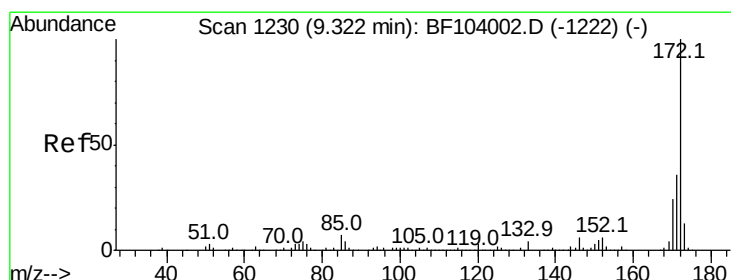
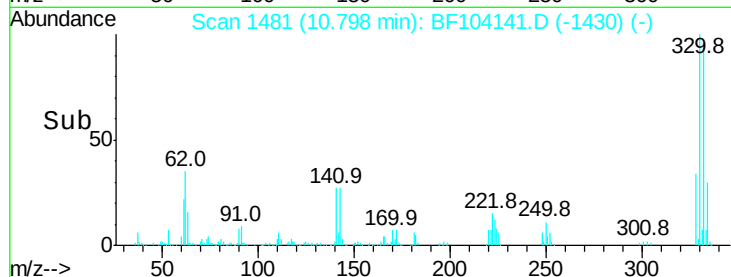
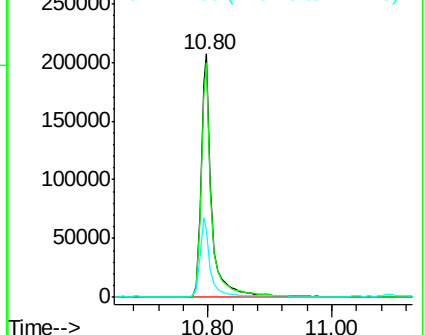
330 100

332 95.1 77.0 115.6

141 31.6 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: 87.738 ng

RT: 9.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

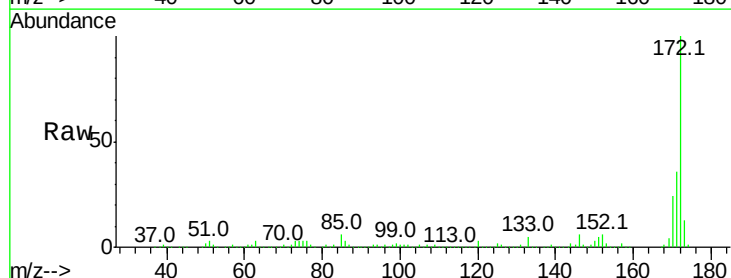
Tgt Ion:172 Resp: 1161387

Ion Ratio Lower Upper

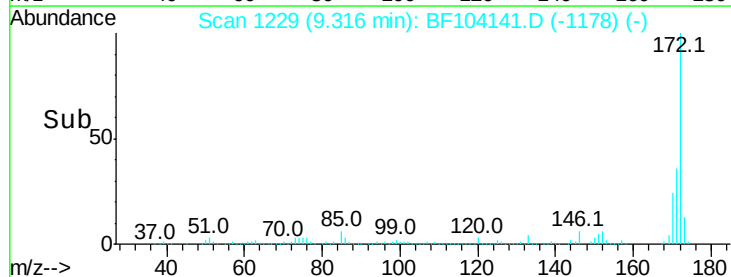
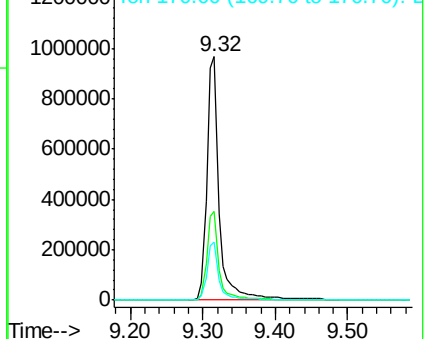
172 100

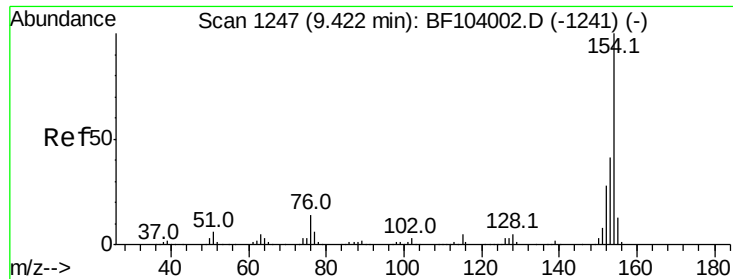
171 36.2 29.7 44.5

170 23.9 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





#45

1,1'-Biphenyl

Concen: 5.568 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

Instrument :

BNA_F

ClientSampleId :

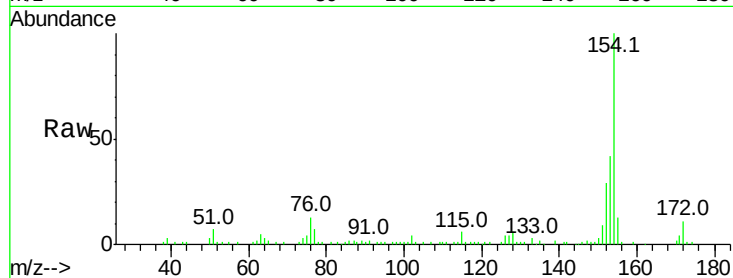
Tot Ion:154 Resp: 99747

Ion Ratio Lower Upper

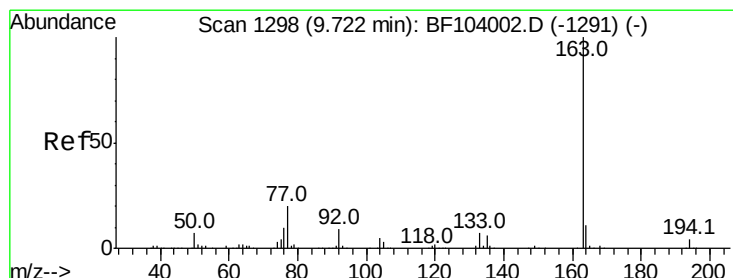
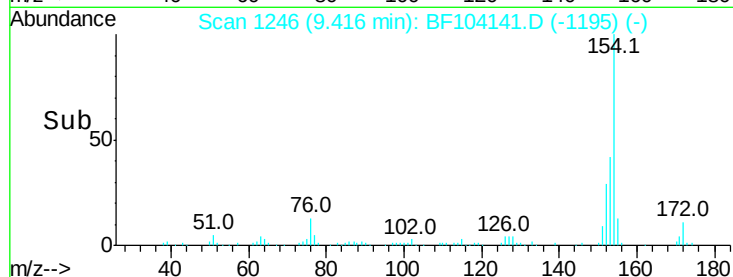
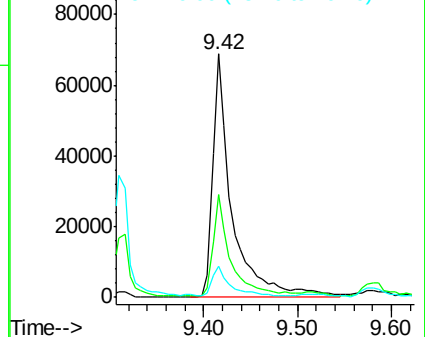
154 100

153 42.4 21.3 61.3

76 12.7 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#49

Dimethylphthalate

Concen: 2.064 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

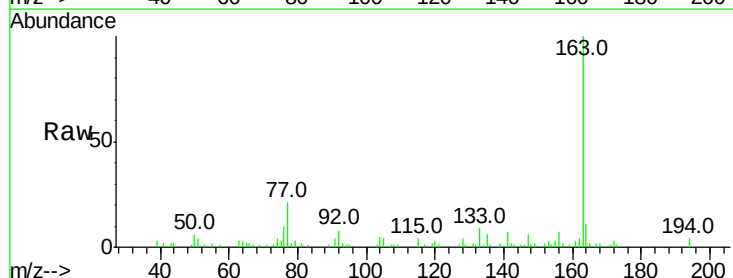
Tgt Ion:163 Resp: 34020

Ion Ratio Lower Upper

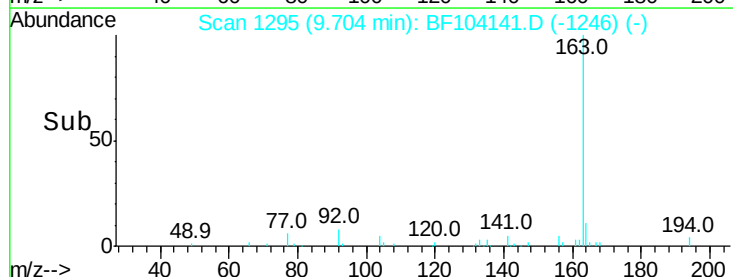
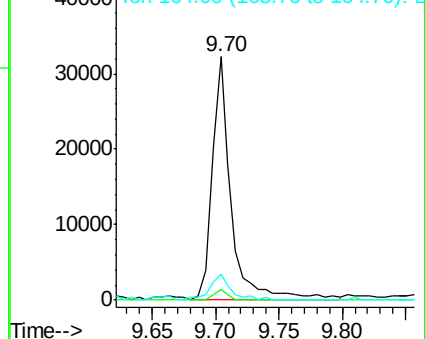
163 100

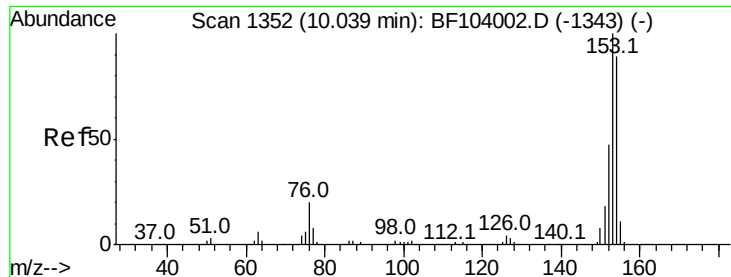
194 4.1 2.7 4.1#

164 10.6 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





#51

Acenaphthene

Concen: 16.783 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

Instrument :

BNA_F

ClientSampleId :

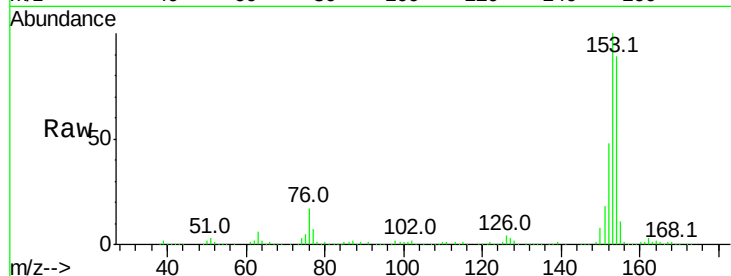
Tot Ion:154 Resp: 207857

Ion Ratio Lower Upper

154 100

153 112.0 91.2 136.8

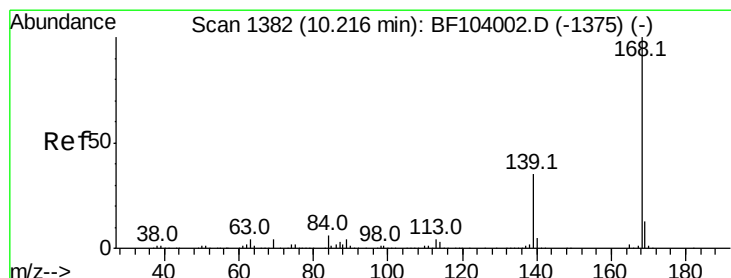
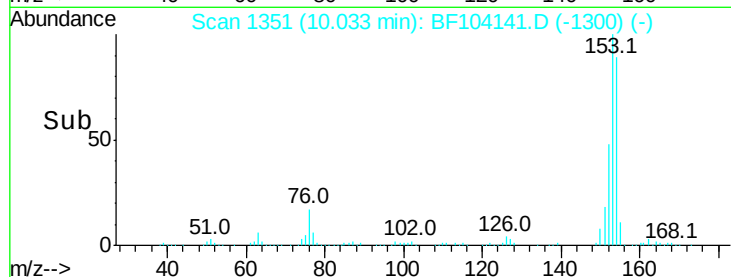
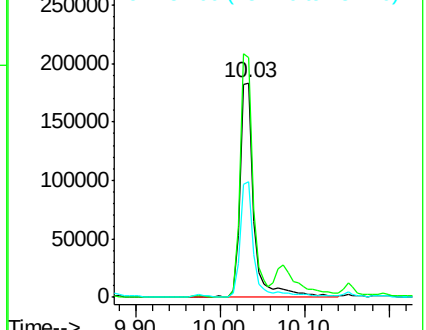
152 53.9 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 11.974 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

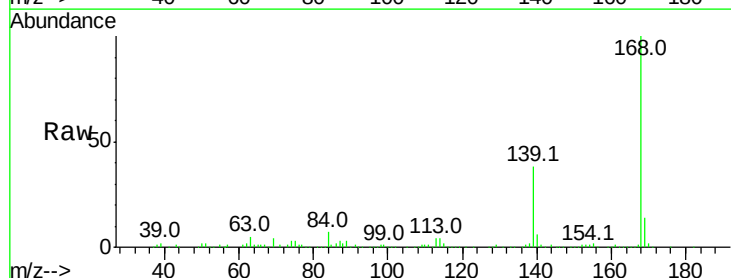
Tgt Ion:168 Resp: 216558

Ion Ratio Lower Upper

168 100

139 37.8 30.1 45.1

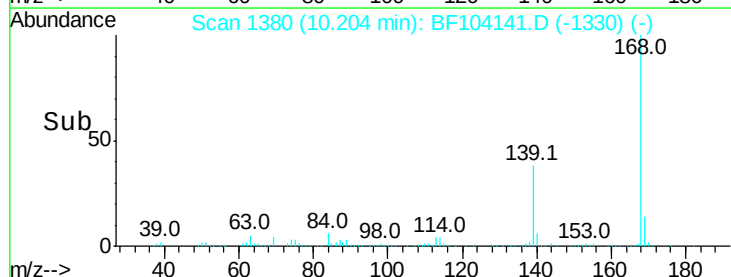
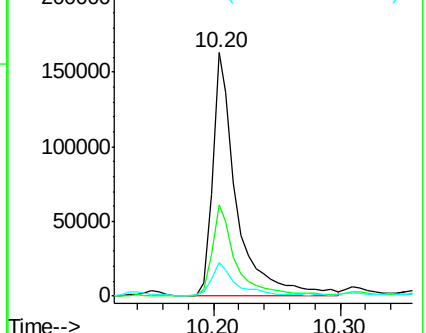
169 13.7 10.9 16.3

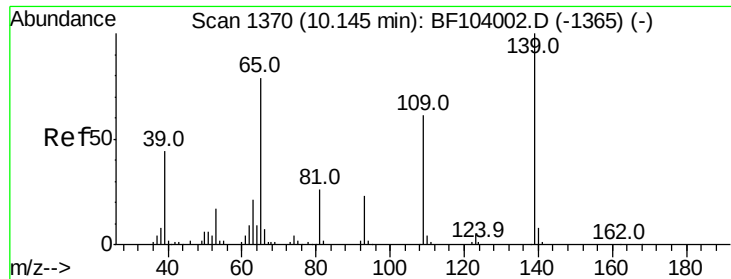


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 33.171 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.06 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

Instrument :

BNA_F

ClientSampled :

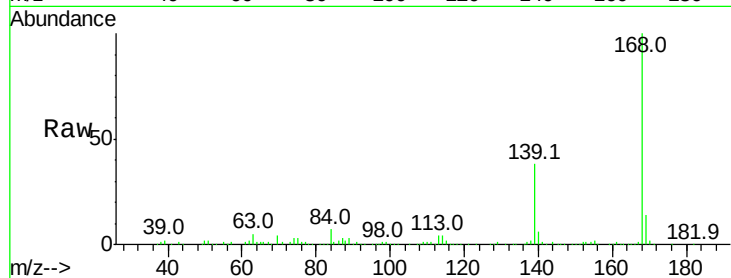
Tot Ion:139 Resp: 81065

Ion Ratio Lower Upper

139 100

109 1.6 48.4 88.4#

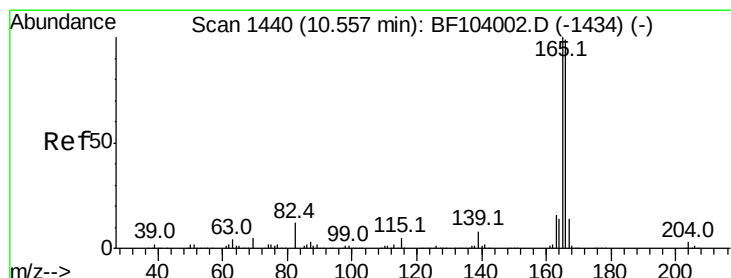
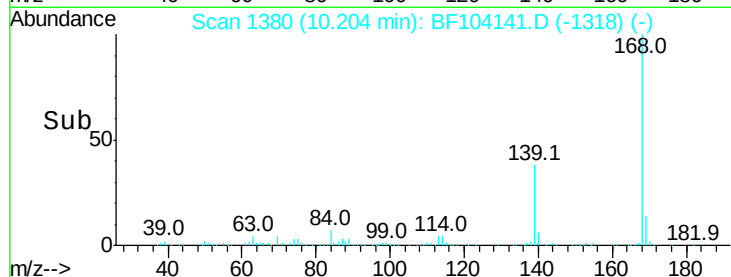
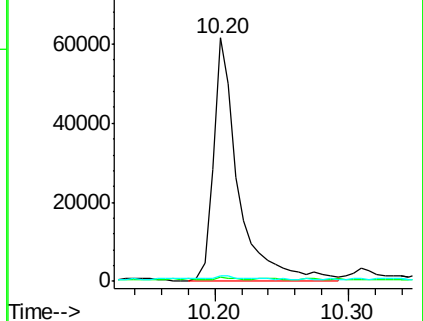
65 2.2 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

Fluorene

Concen: 11.838 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

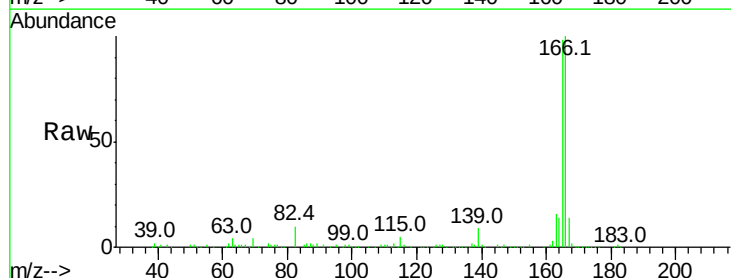
Tgt Ion:166 Resp: 176603

Ion Ratio Lower Upper

166 100

165 97.6 79.8 119.8

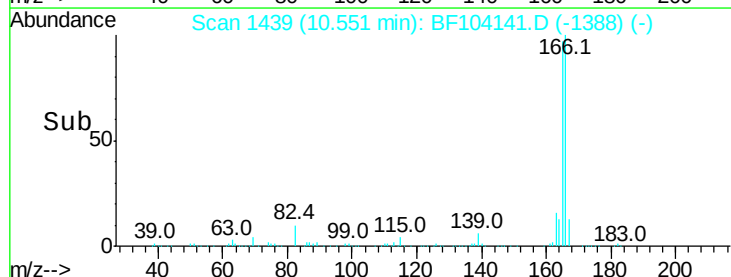
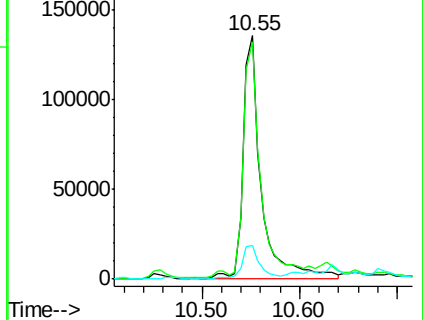
167 13.7 10.6 16.0

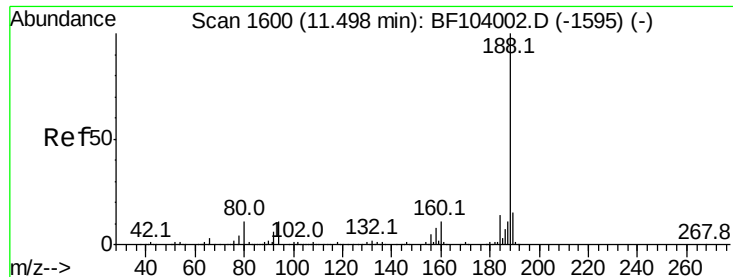


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

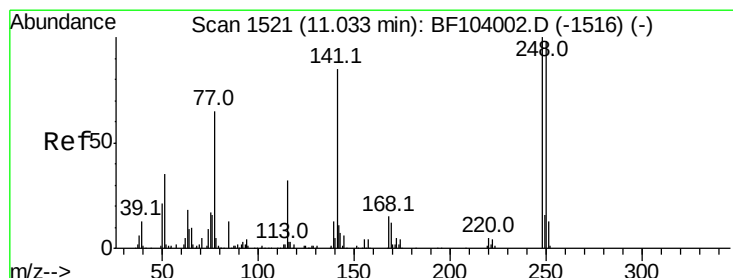
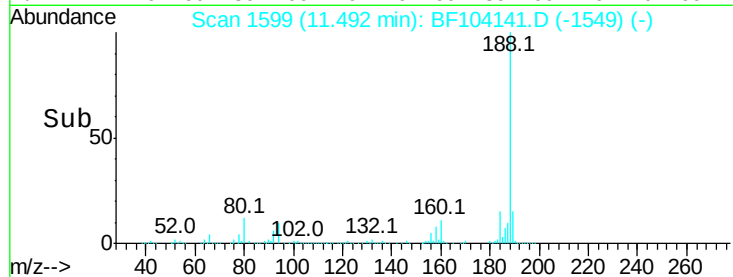
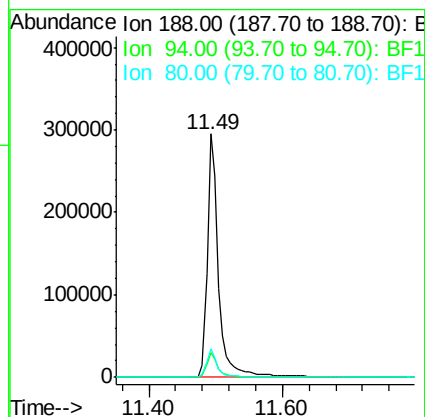
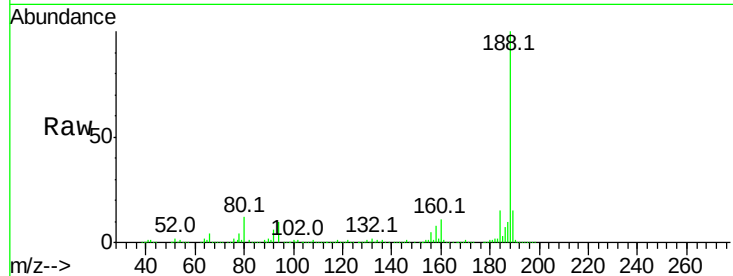




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF104141.D
 Acq: 2 Apr 2018 17:52

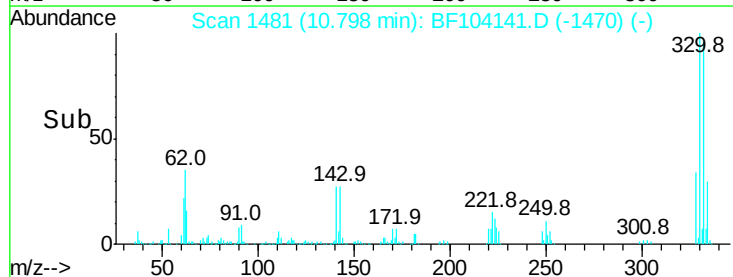
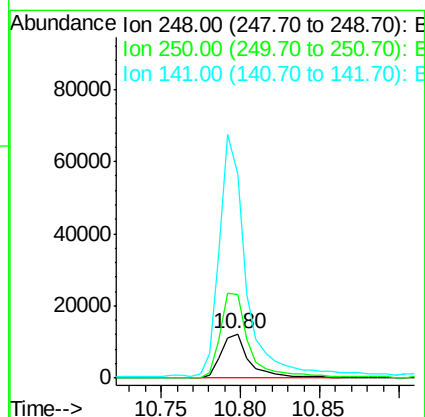
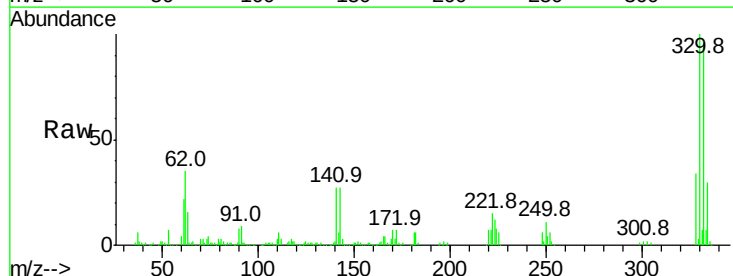
Instrument :
 BNA_F
 ClientSampleId :

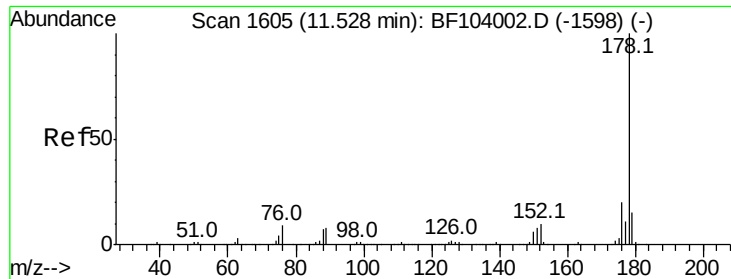
Tot Ion:188 Resp: 343166
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 11.6 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.201 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.24 min
 Lab File: BF104141.D
 Acq: 2 Apr 2018 17:52

Tgt Ion:248 Resp: 15425
 Ion Ratio Lower Upper
 248 100
 250 188.0 76.9 115.3#
 141 458.1 74.4 111.6#

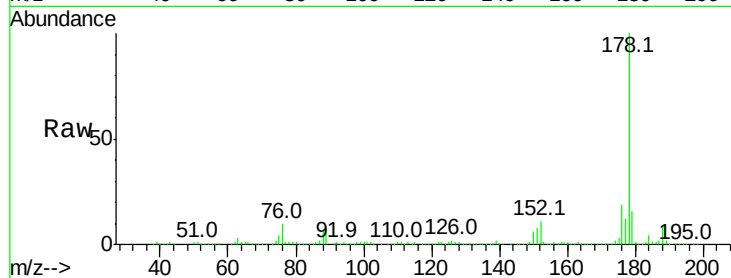




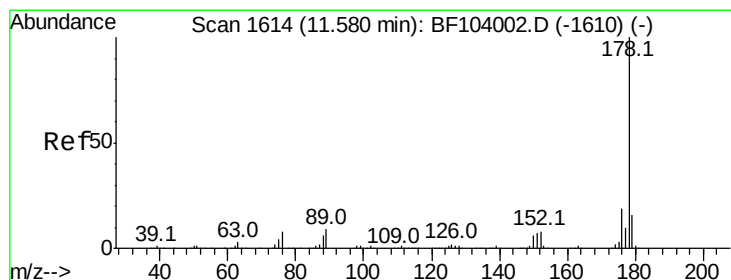
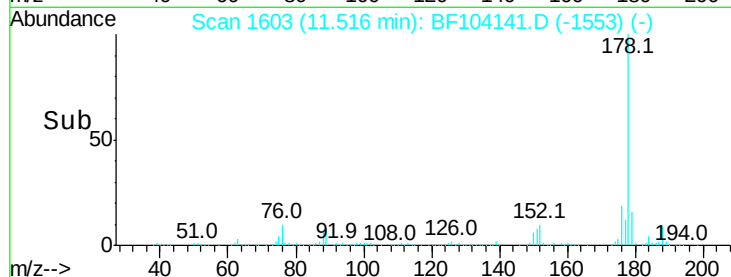
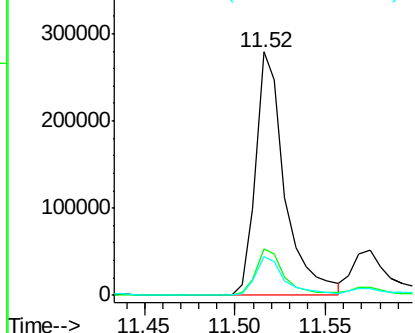
#70
Phenanthrene
Concen: 16.860 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104141.D
Acq: 2 Apr 2018 17:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 313252
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.7 13.0 19.6

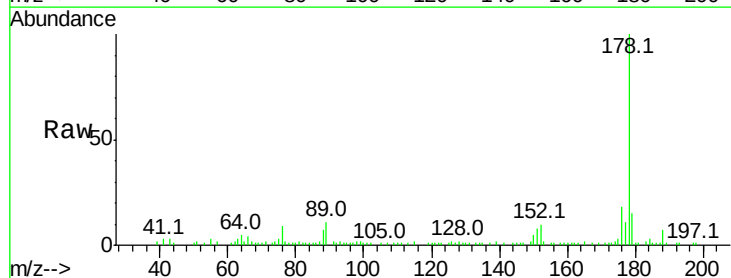


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

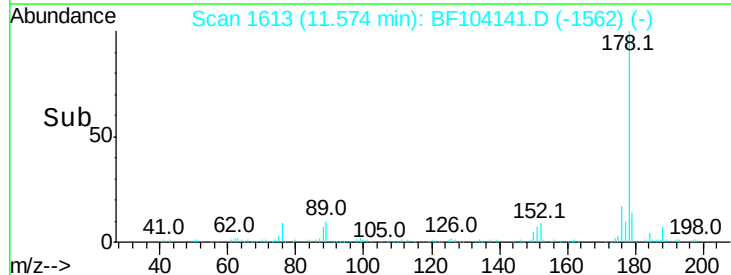
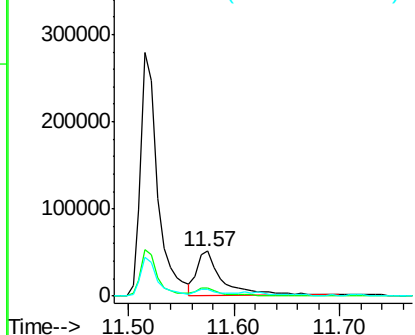


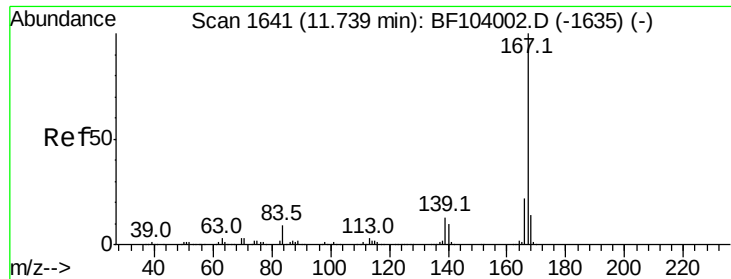
#71
Anthracene
Concen: 4.273 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.00 min
Lab File: BF104141.D
Acq: 2 Apr 2018 17:52

Tgt Ion:178 Resp: 82920
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 14.9 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





#72

Carbazole

Concen: 5.968 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.00 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

Instrument :

BNA_F

ClientSampleId :

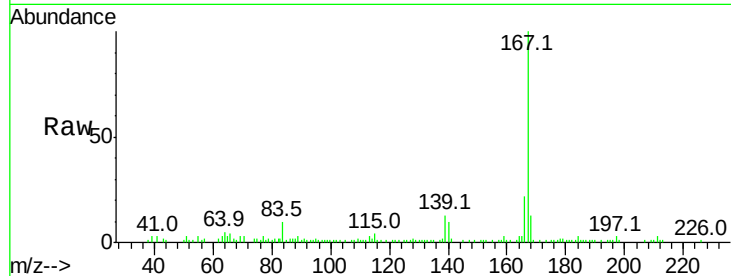
Tot Ion:167 Resp: 110548

Ion Ratio Lower Upper

167 100

166 22.5 17.6 26.4

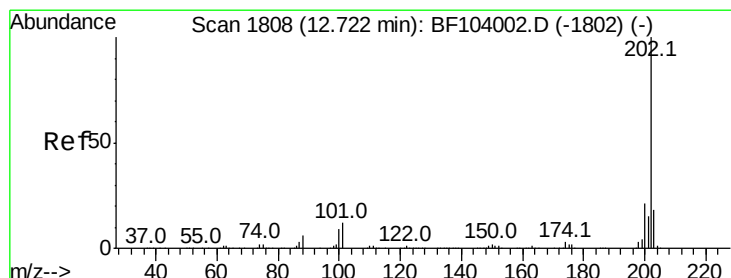
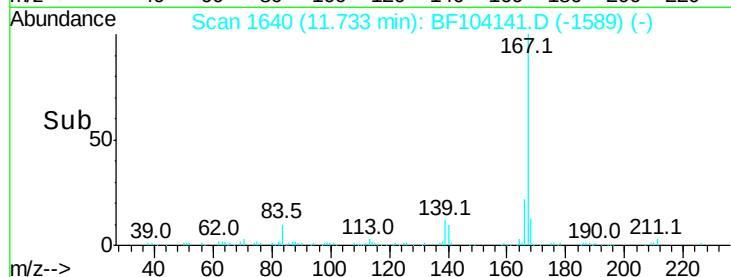
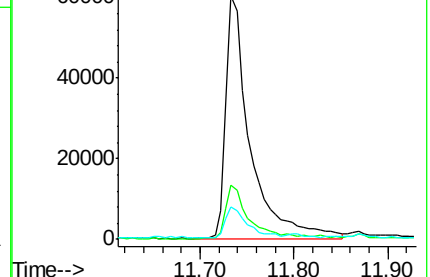
139 13.4 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 2.739 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

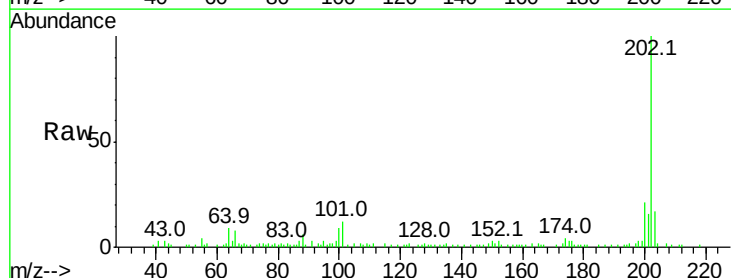
Tgt Ion:202 Resp: 54100

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

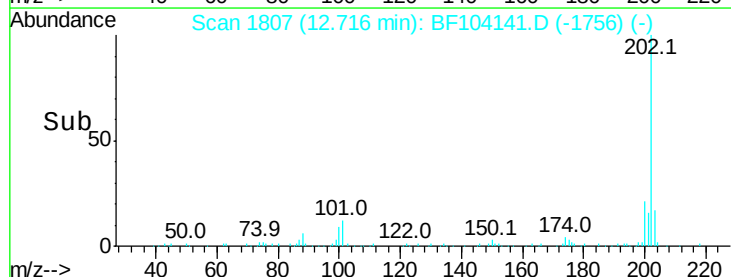
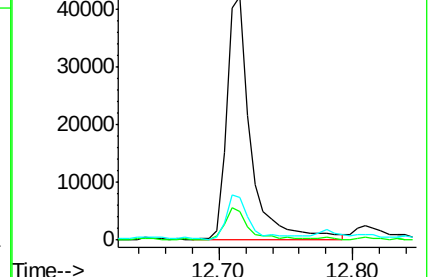
203 17.4 0.0 38.1

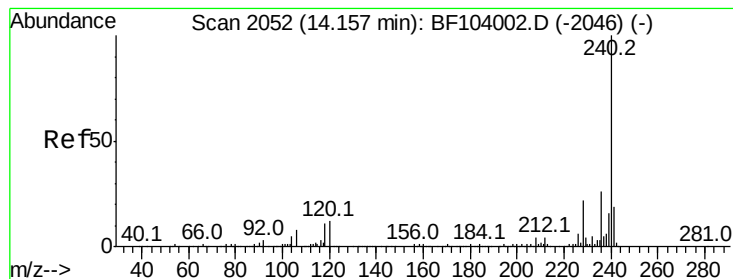


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

Instrument :

BNA_F

ClientSampleId :

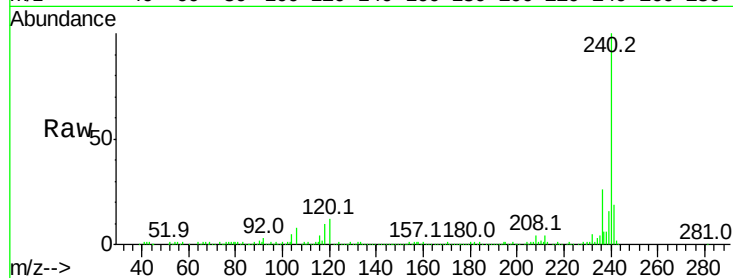
Tot Ion:240 Resp: 230912

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

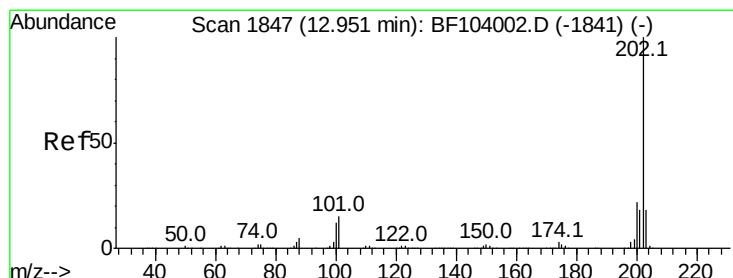
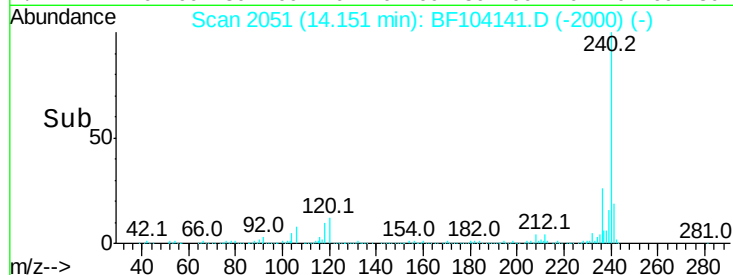
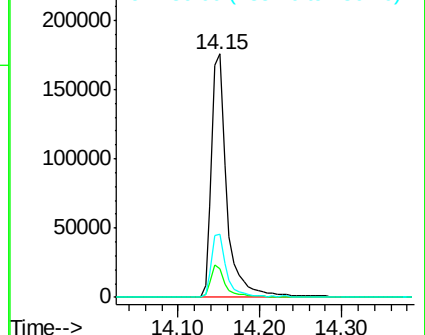
236 25.8 20.7 31.1



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: 2.644 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

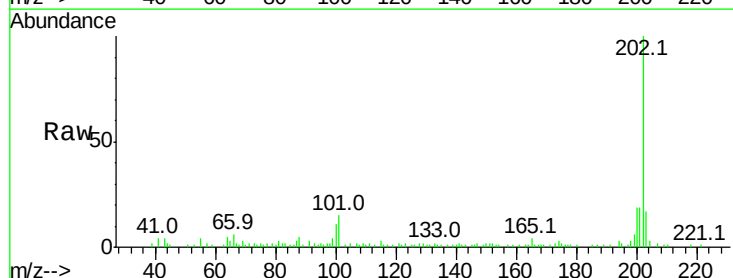
Tgt Ion:202 Resp: 43888

Ion Ratio Lower Upper

202 100

200 19.2 17.4 26.2

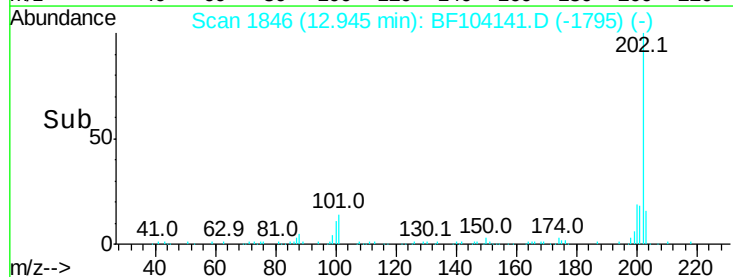
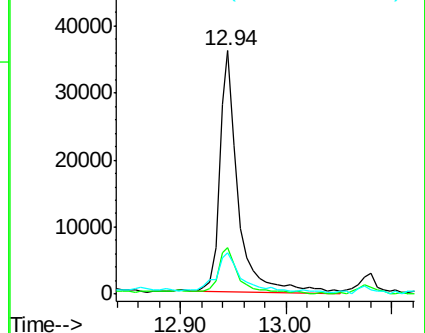
203 17.0 14.3 21.5

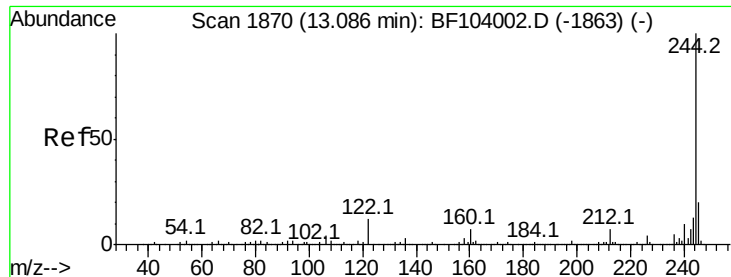


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.744 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

Instrument :

BNA_F

ClientSampleId :

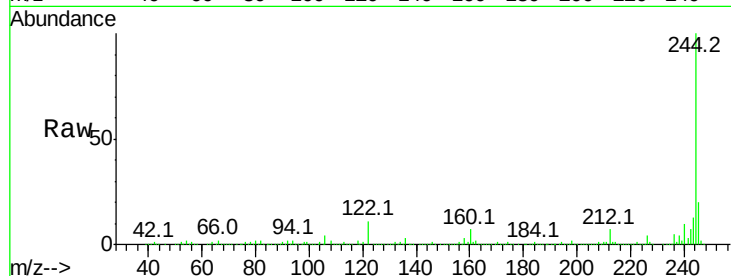
Tot Ion:244 Resp: 817503

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

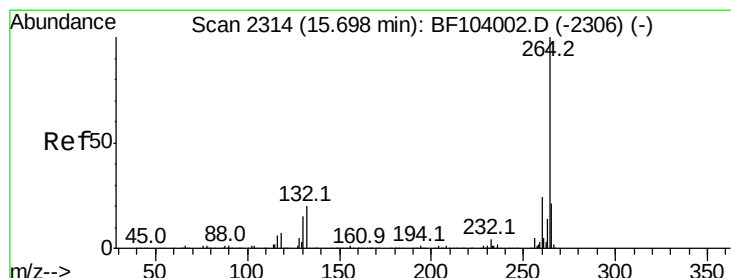
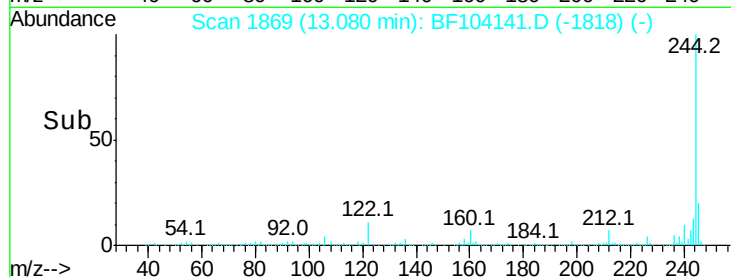
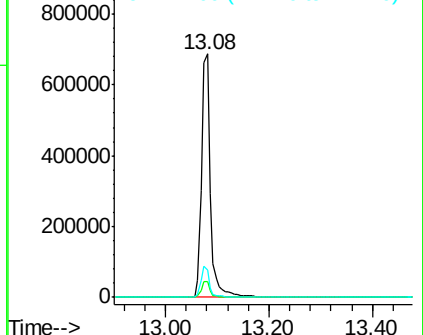
122 11.1 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2313

Delta R.T. -0.00 min

Lab File: BF104141.D

Acq: 2 Apr 2018 17:52

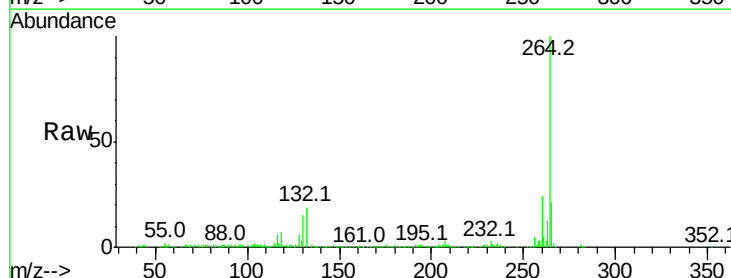
Tgt Ion:264 Resp: 235507

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 20.9 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

