

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103465.D
 Acq On : 6 Mar 2018 19:43
 Operator : SJ/JU
 Sample : J1722-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 00:13:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 11:52:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	155570	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	689010	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	288212	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	436691	20.00	ng	0.00
75) Chrysene-d12	14.06	240	289227	20.00	ng	0.00
86) Perylene-d12	15.58	264	227575	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1025001	99.65	ng	0.00
7) Phenol-d6	6.51	99	1204919	95.73	ng	0.00
23) Nitrobenzene-d5	7.44	82	796883	66.05	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	143071	58.65	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1007026	55.20	ng	0.00
78) Terphenyl-d14	12.99	244	701238	58.28	ng	0.00

Target Compounds

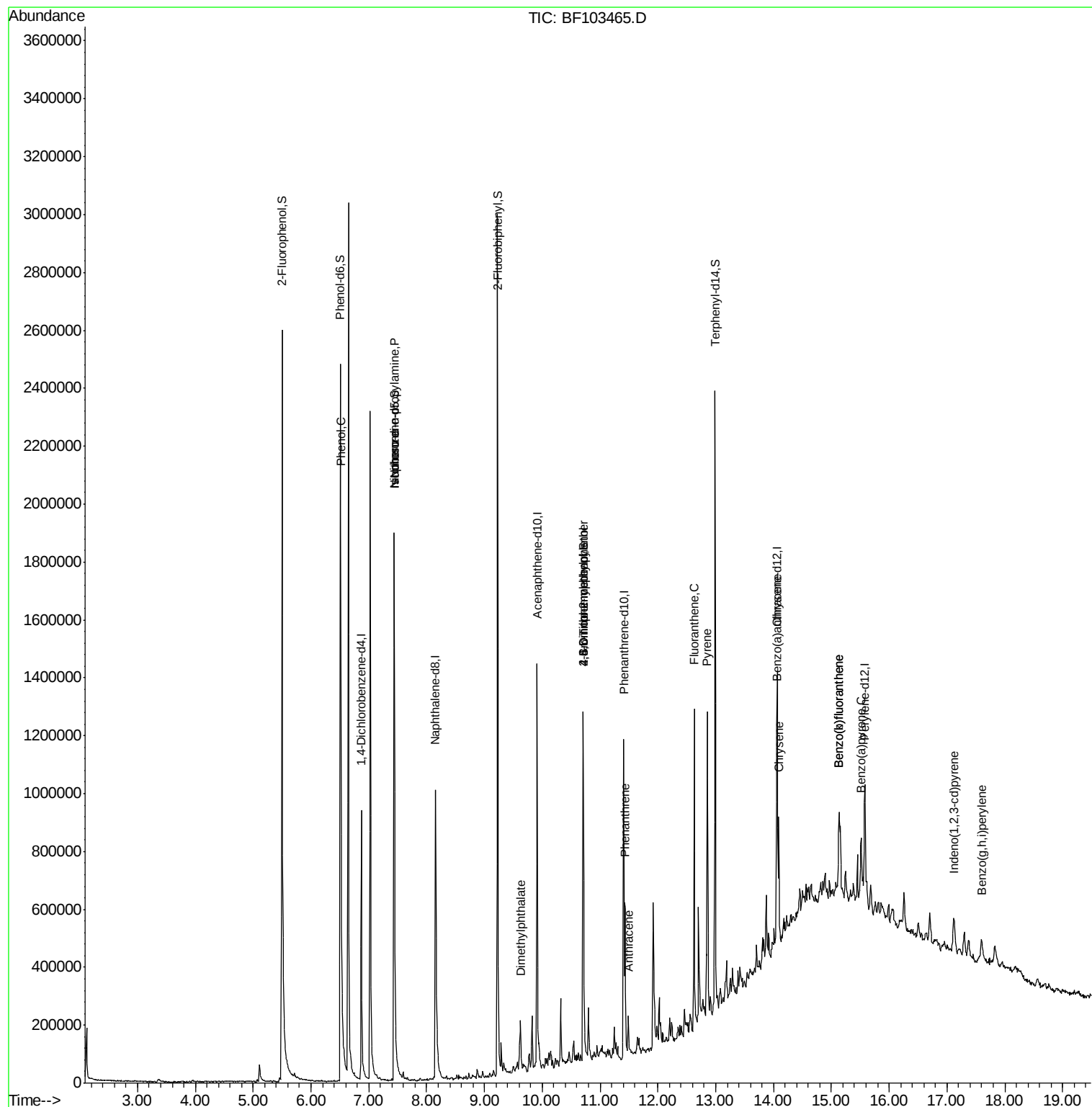
						Qvalue
10) Phenol	6.52	94	32232	2.206	ng	# 28
19) n-Nitroso-di-n-propylamine	7.44	70	106595	13.608	ng	# 83
25) Isophorone	7.44	82	796883	33.536	ng	# 64
49) Dimethylphthalate	9.62	163	70835	3.064	ng	100
64) 4,6-Dinitro-2-methylphenol	10.71	198	427	5.089	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	9930	2.183	ng	# 1
70) Phenanthrene	11.43	178	204848	8.524	ng	99
71) Anthracene	11.49	178	69735	2.830	ng	99
74) Fluoranthene	12.63	202	426516	17.661	ng	99
77) Pyrene	12.86	202	441544	19.581	ng	99
80) Benzo(a)anthracene	14.05	228	190106	10.130	ng	98
82) Chrysene	14.09	228	183507	10.071	ng	97
85) Indeno(1,2,3-cd)pyrene	17.13	276	62285	4.318	ng	97
87) Benzo(b)fluoranthene	15.13	252	234964	15.703	ng	# 92
88) Benzo(k)fluoranthene	15.13	252	234964	16.676	ng	# 95
89) Benzo(a)pyrene	15.52	252	118729	8.886	ng	# 93
91) Benzo(a,h,i)perylene	17.60	276	63469	6.290	ng	93

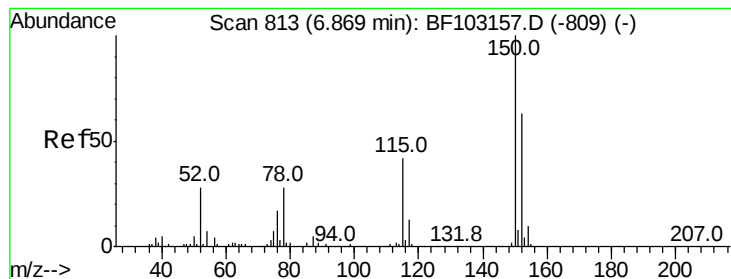
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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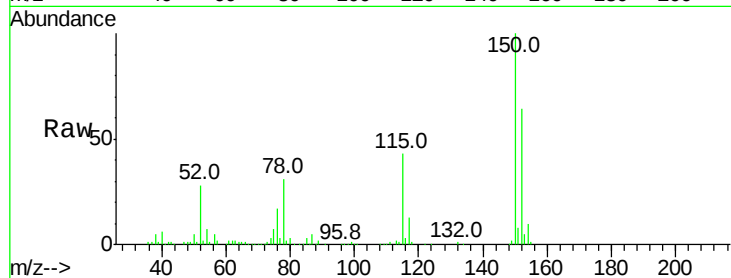


#1

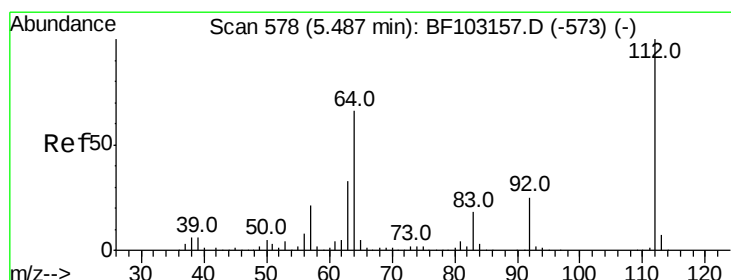
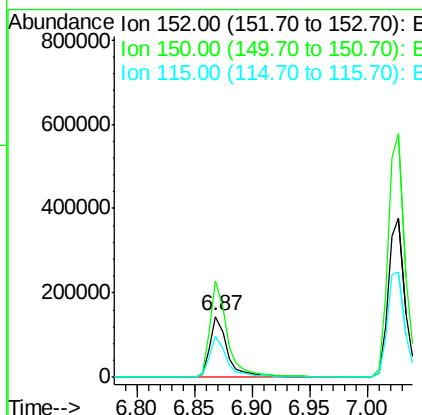
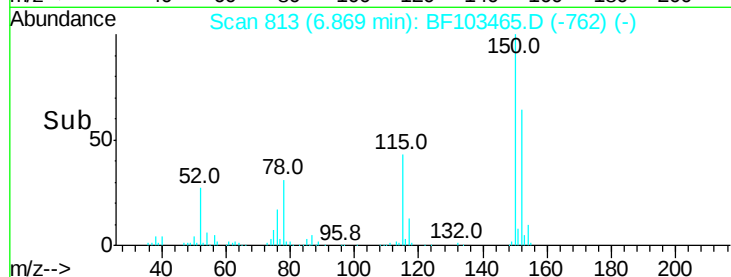
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103465.D
Acq: 6 Mar 2018 19:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 155570
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 66.8 50.1 75.1



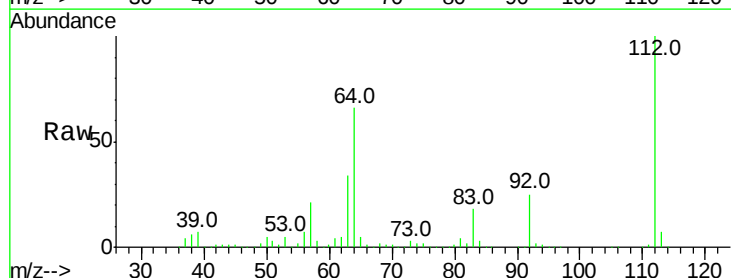
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



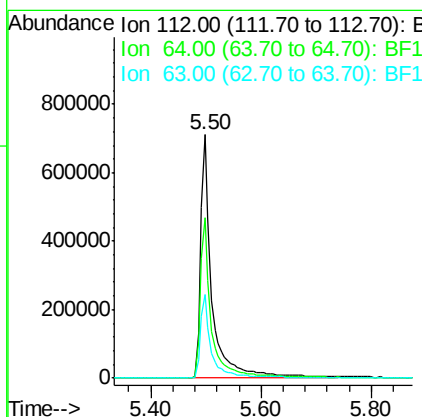
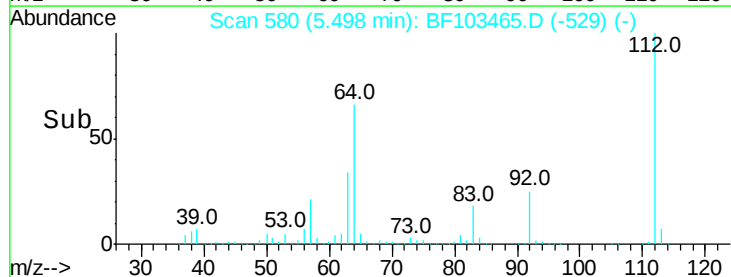
#5

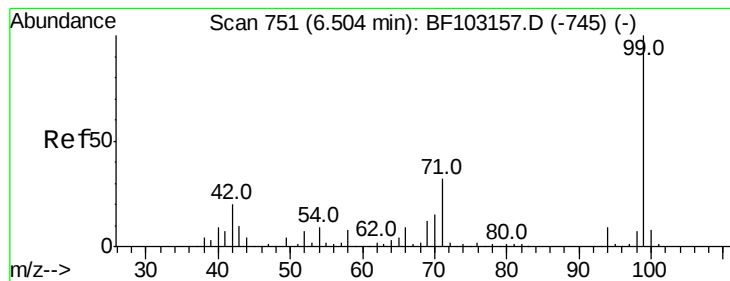
2-Fluorophenol
Concen: 99.649 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF103465.D
Acq: 6 Mar 2018 19:43

Tgt Ion:112 Resp: 1025001
Ion Ratio Lower Upper
112 100
64 65.7 47.9 71.9
63 34.2 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: 95.730 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

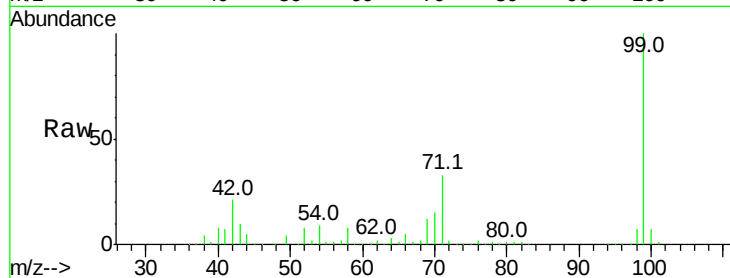
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1204919

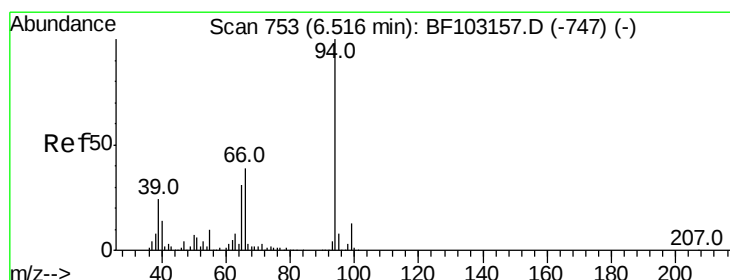
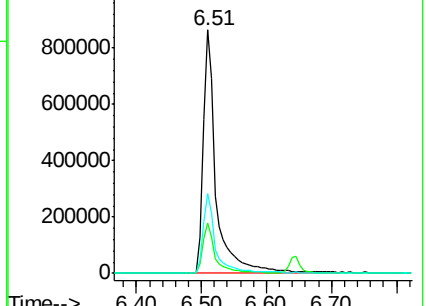
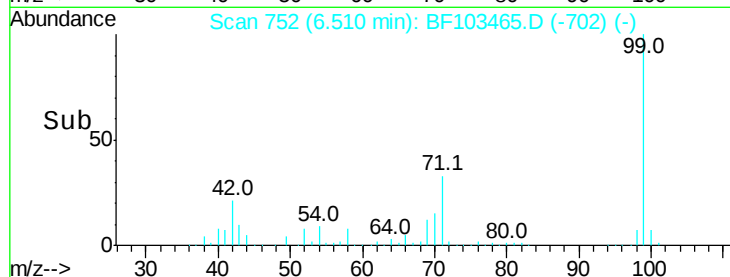
Ion	Ratio	Lower	Upper
99	100		
42	20.6	14.5	21.7
71	32.8	25.4	38.0



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



#10

Phenol

Concen: 2.206 ng

RT: 6.52 min Scan# 754

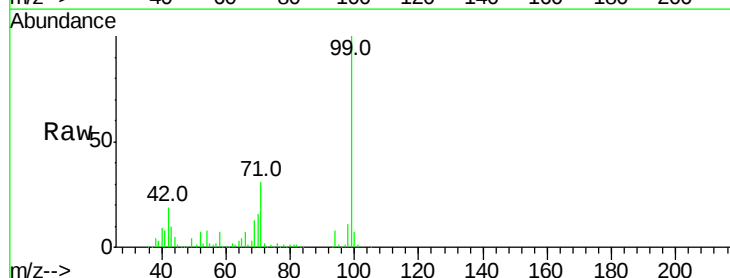
Delta R.T. -0.01 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

Tgt Ion: 94 Resp: 32232

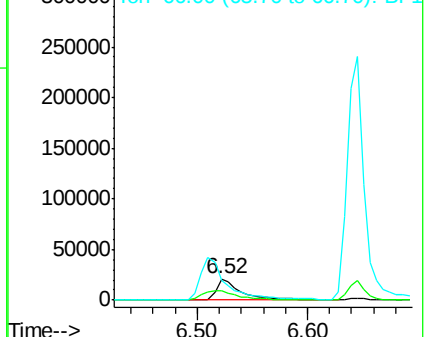
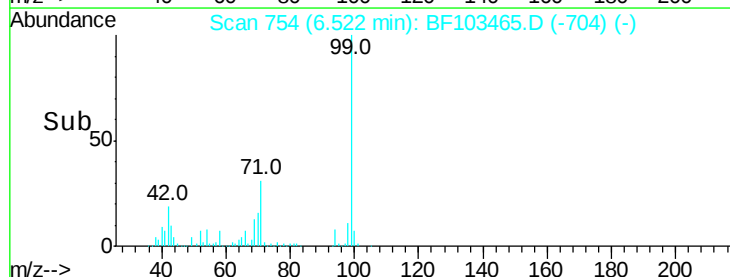
Ion	Ratio	Lower	Upper
94	100		
65	47.1	7.9	47.9
66	94.8	16.2	56.2

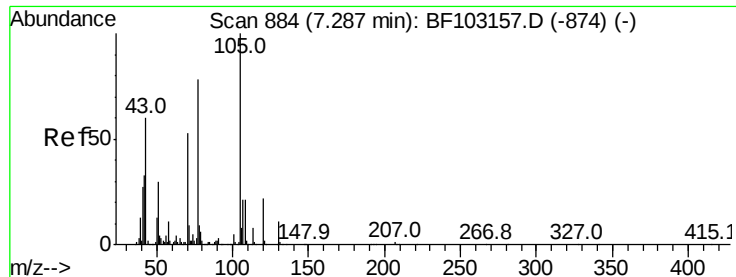


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 13.608 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 106595

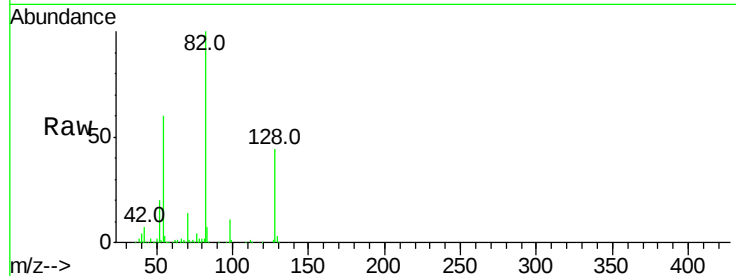
Ion Ratio Lower Upper

70 100

42 53.5 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

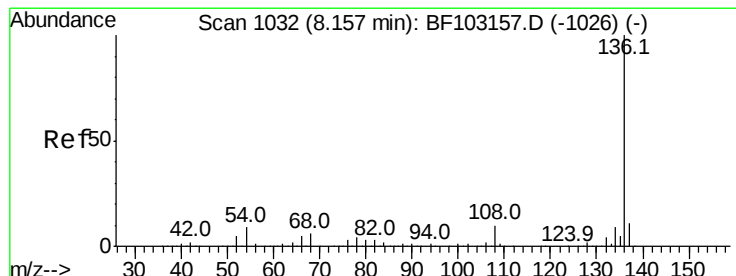
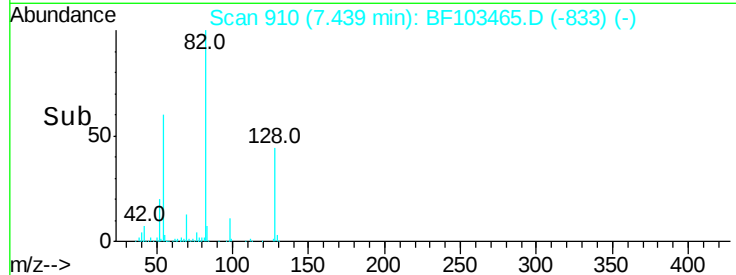
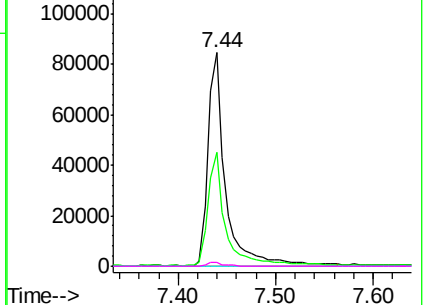


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

Tgt Ion:136 Resp: 689010

Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.6 6.6 9.8

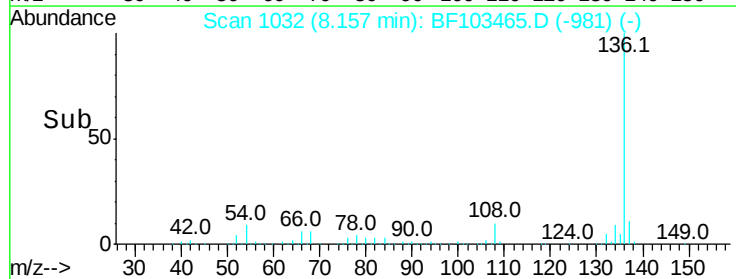
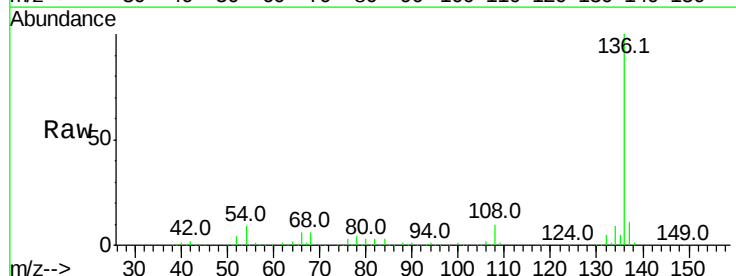
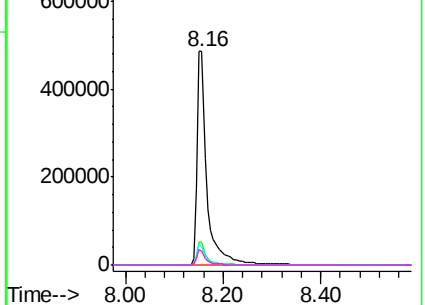
68 6.4 5.0 7.4

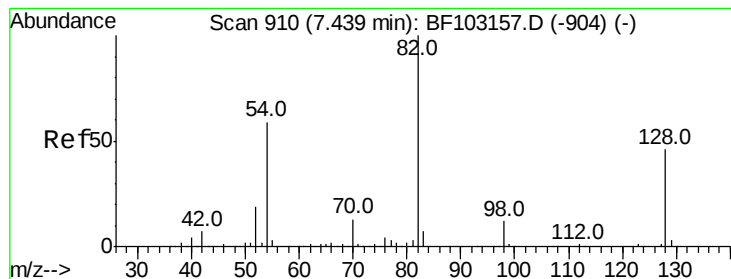
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 66.049 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

Instrument :

BNA_F

ClientSampleId :

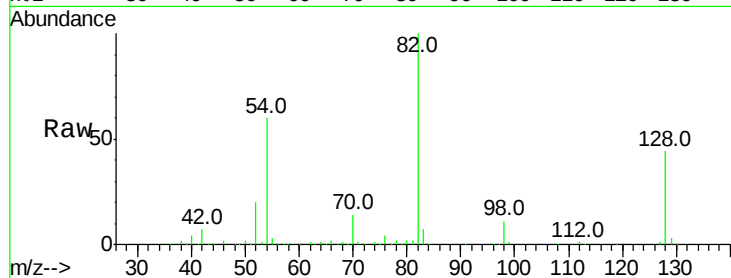
Tot Ion: 82 Resp: 796883

Ion Ratio Lower Upper

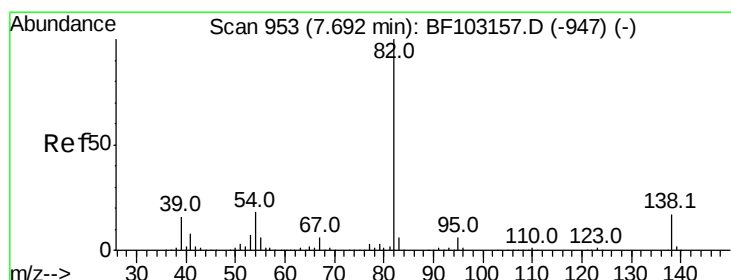
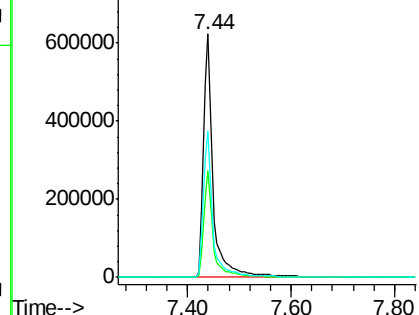
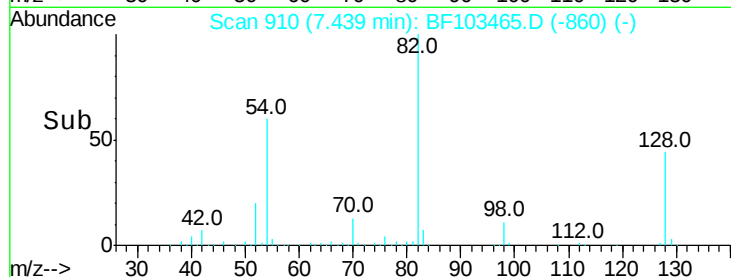
82 100

128 44.0 36.1 54.1

54 59.9 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: 33.536 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

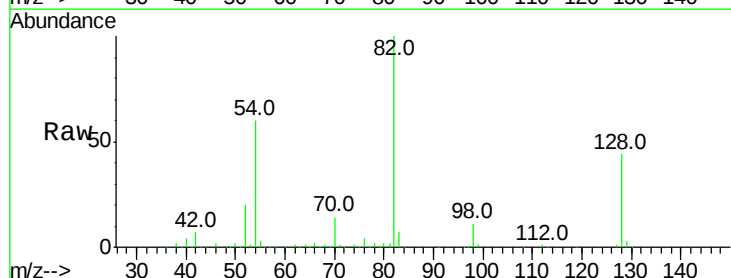
Tgt Ion: 82 Resp: 796883

Ion Ratio Lower Upper

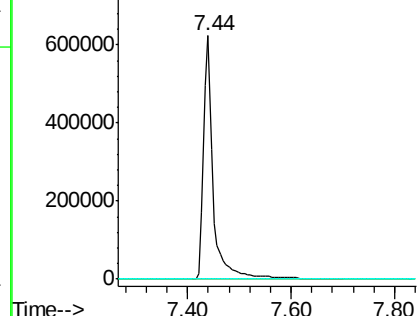
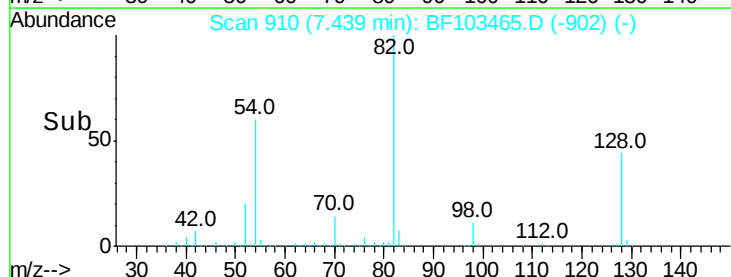
82 100

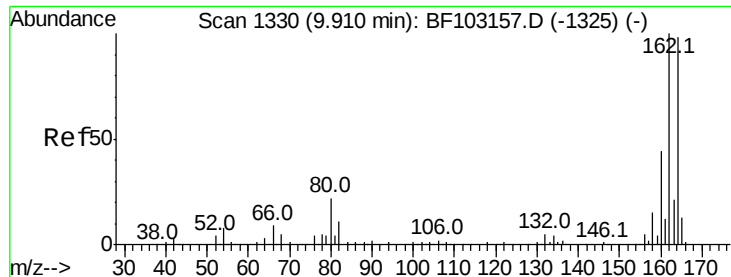
95 0.0 5.2 7.8#

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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

Instrument :

BNA_F

ClientSampleId :

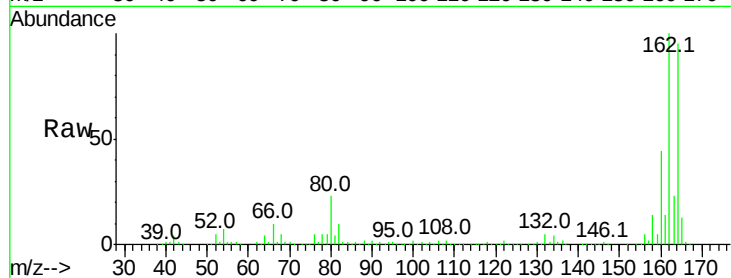
Tot Ion:164 Resp: 288212

Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

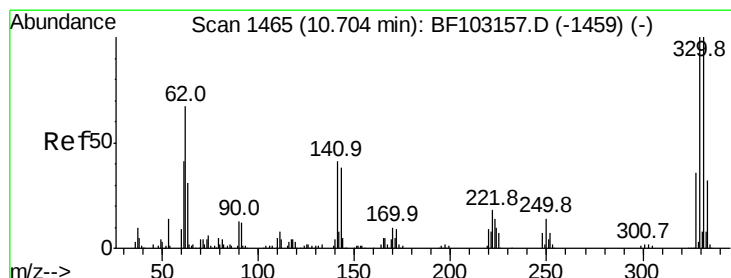
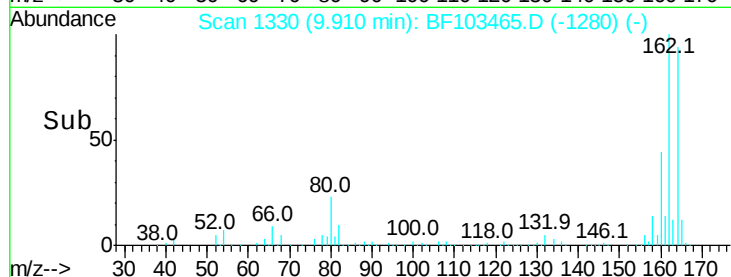
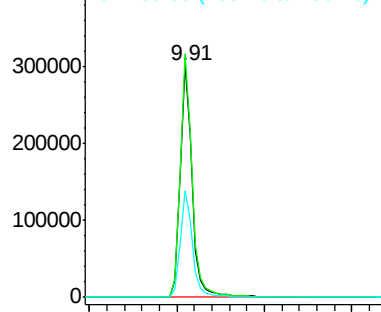
160 45.9 38.3 57.5



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: 58.646 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

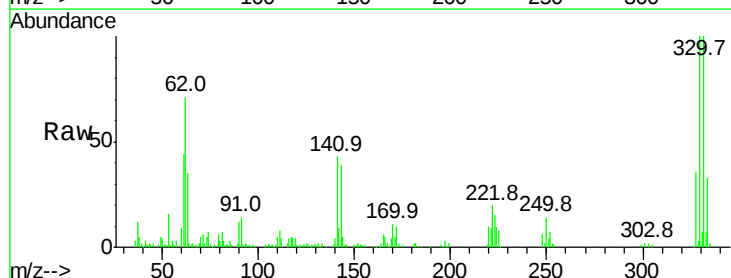
Tgt Ion:330 Resp: 143071

Ion Ratio Lower Upper

330 100

332 100.7 77.0 115.6

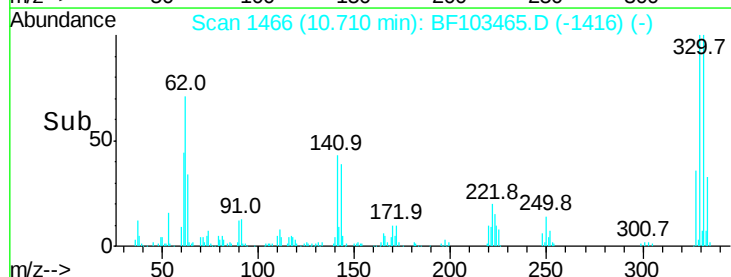
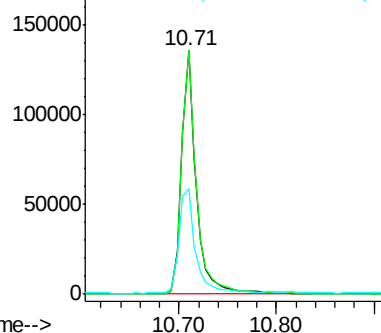
141 48.0 29.9 44.9#

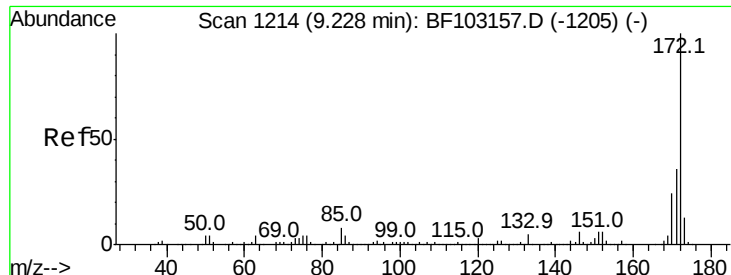


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

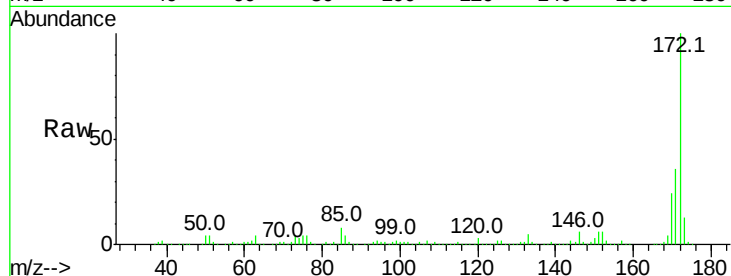




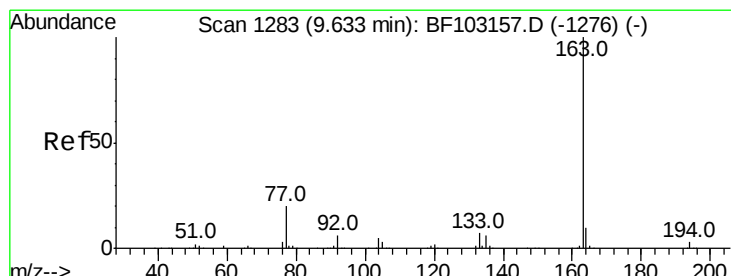
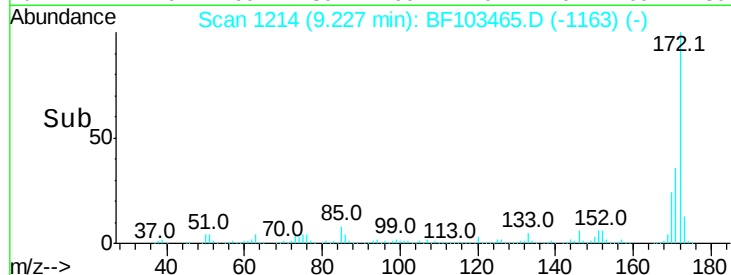
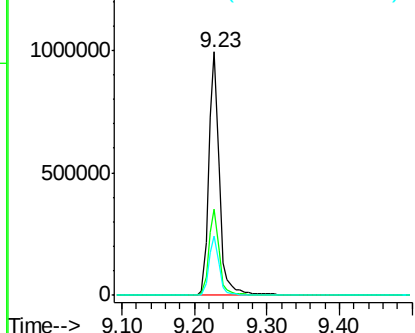
#44
2-Fluorobiphenyl
Concen: 55.202 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.00 min
Lab File: BF103465.D
Acq: 6 Mar 2018 19:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1007026
Ion Ratio Lower Upper
172 100
171 35.5 29.7 44.5
170 24.3 19.6 29.4

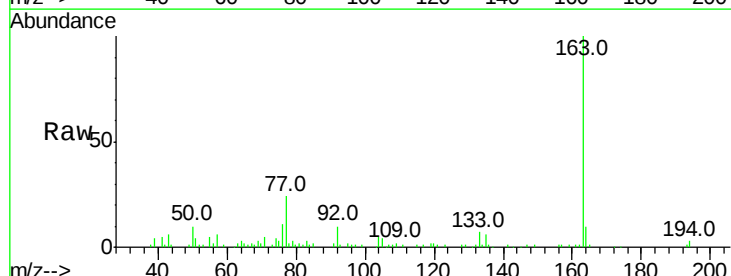


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

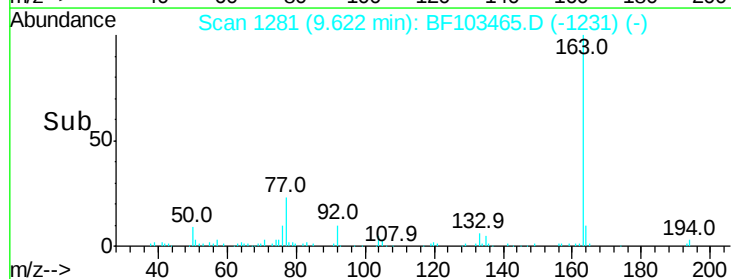
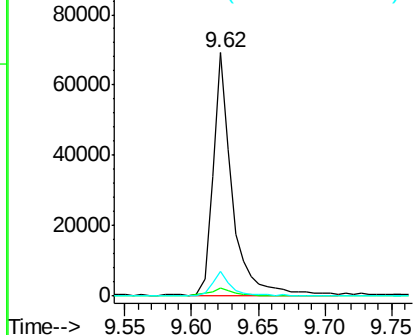


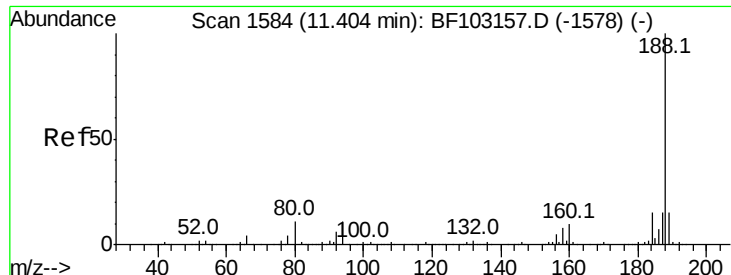
#49
Dimethylphthalate
Concen: 3.064 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103465.D
Acq: 6 Mar 2018 19:43

Tgt Ion:163 Resp: 70835
Ion Ratio Lower Upper
163 100
194 3.5 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

Instrument :

BNA_F

ClientSampleId :

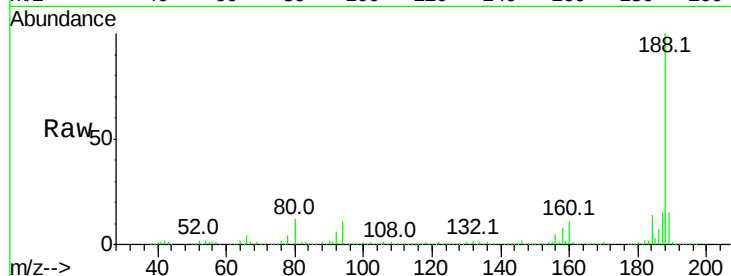
Tot Ion:188 Resp: 436691

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

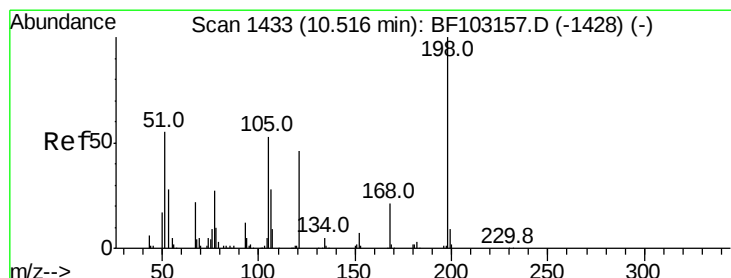
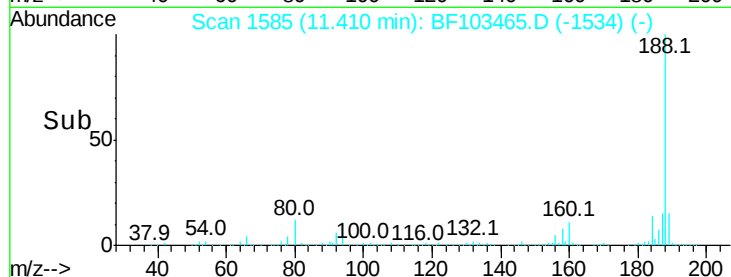
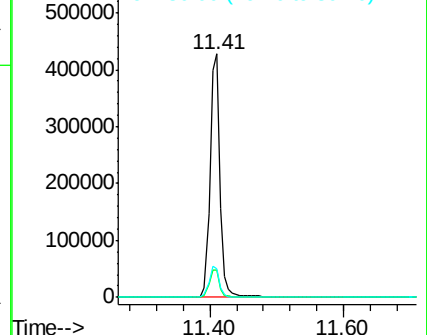
80 11.9 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.089 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.18 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

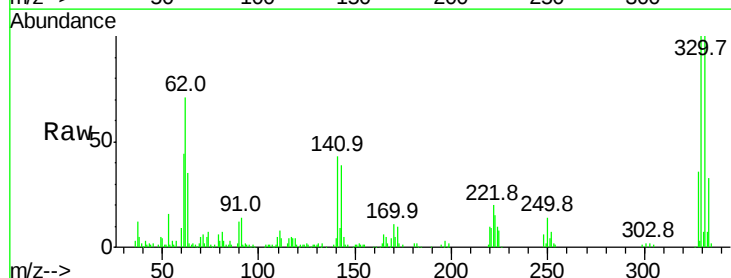
Tgt Ion:198 Resp: 427

Ion Ratio Lower Upper

198 100

51 210.3 37.7 77.7#

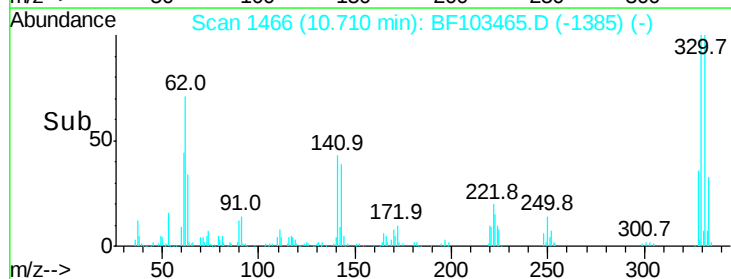
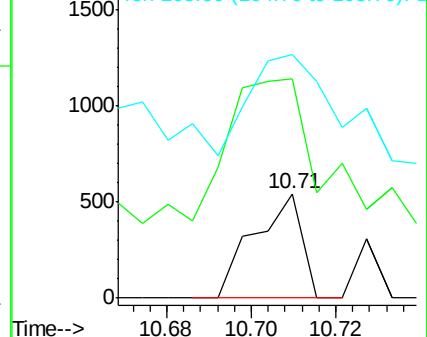
105 233.8 36.3 76.3#

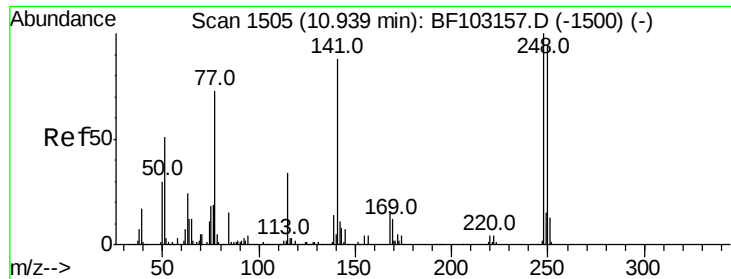


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

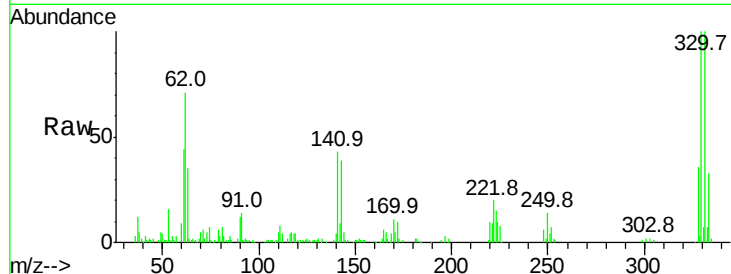




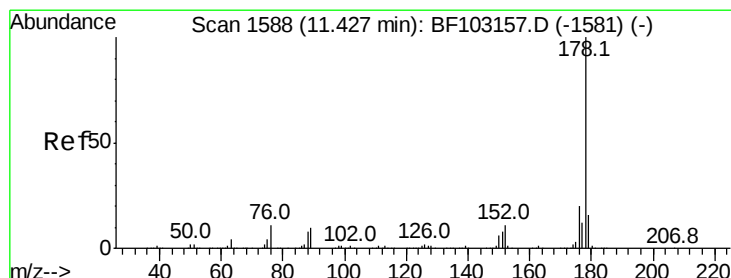
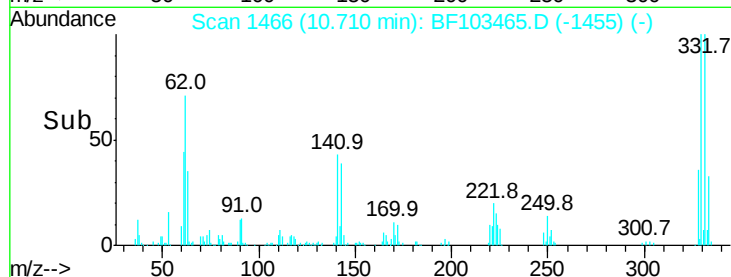
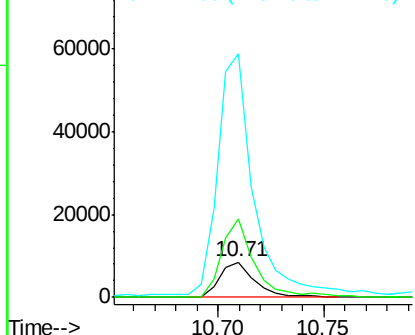
#66
4-Bromophenyl-phenylether
Concen: 2.183 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103465.D
Acq: 6 Mar 2018 19:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9930
Ion Ratio Lower Upper
248 100
250 220.4 76.9 115.3#
141 684.0 74.4 111.6#

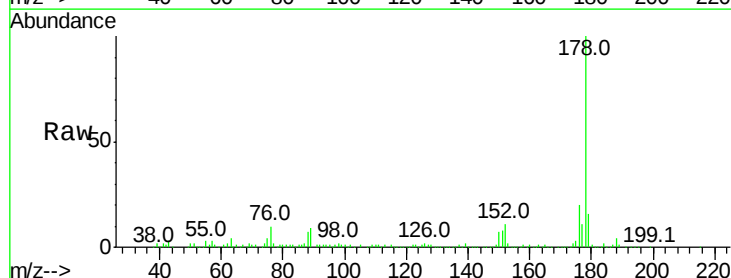


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

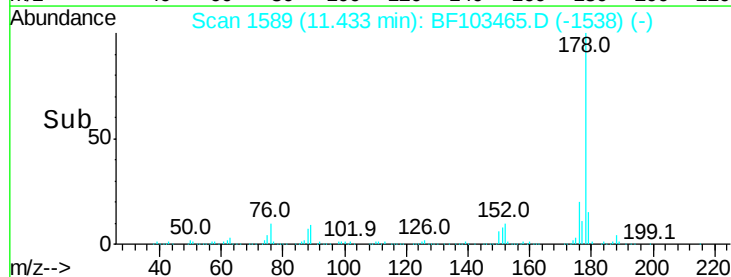
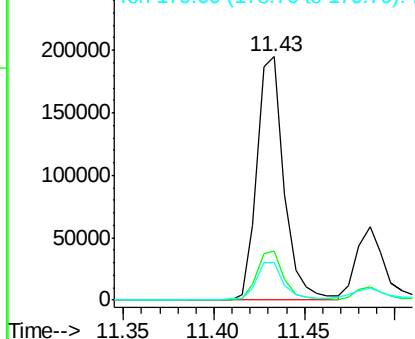


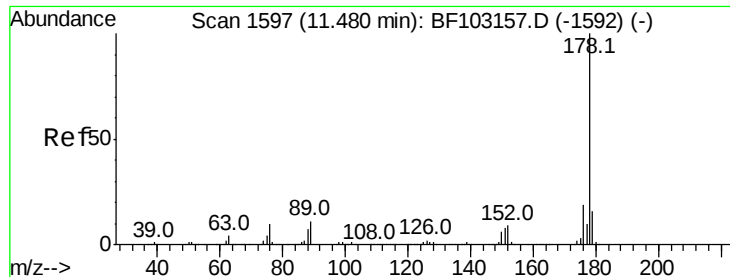
#70
Phenanthrene
Concen: 8.524 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103465.D
Acq: 6 Mar 2018 19:43

Tgt Ion:178 Resp: 204848
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 15.6 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

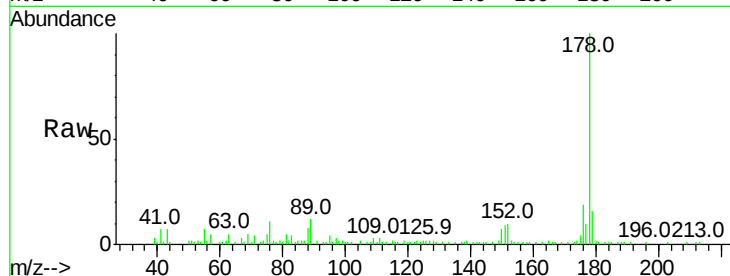




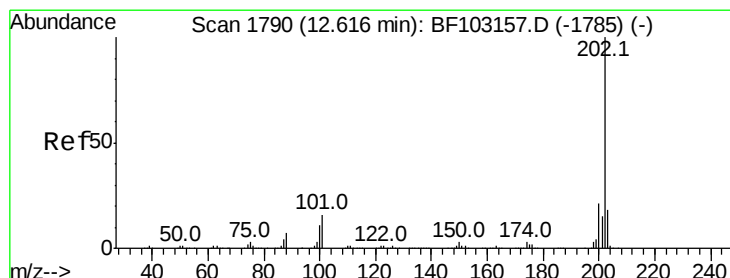
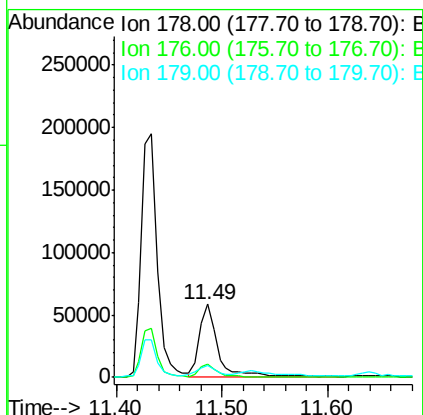
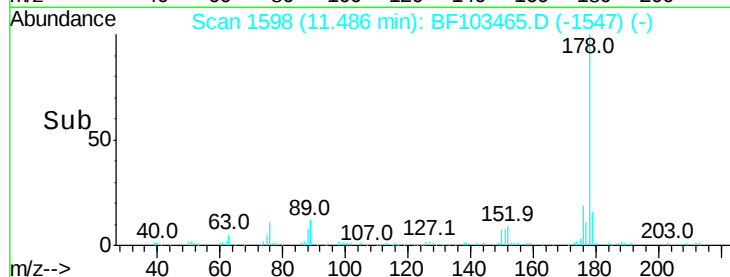
#71
 Anthracene
 Concen: 2.830 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF103465.D
 Acq: 6 Mar 2018 19:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 69735
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 16.2 12.6 19.0

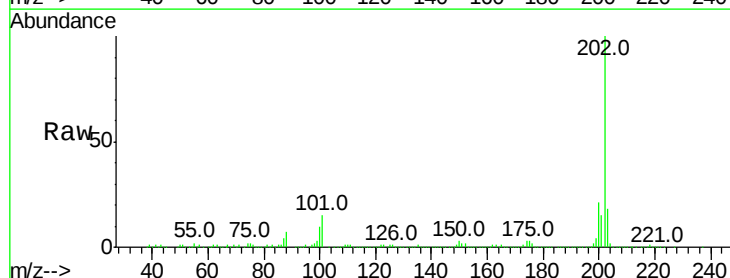


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

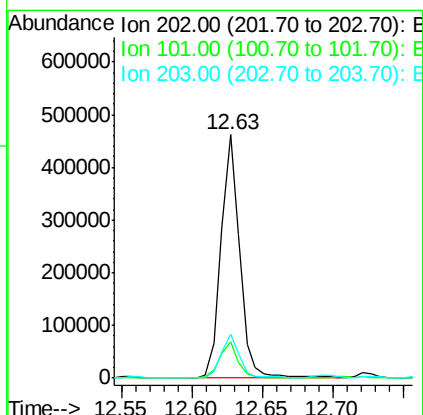
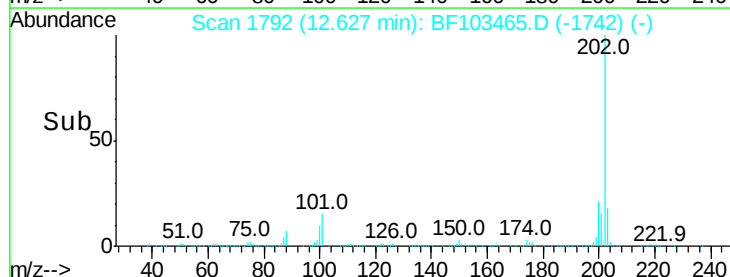


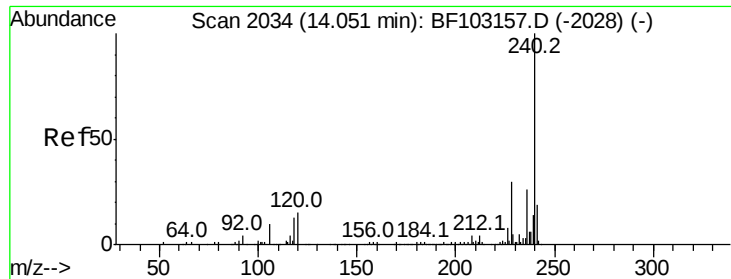
#74
 Fluoranthene
 Concen: 17.661 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF103465.D
 Acq: 6 Mar 2018 19:43

Tgt Ion:202 Resp: 426516
 Ion Ratio Lower Upper
 202 100
 101 14.7 0.0 34.1
 203 18.2 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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

Instrument :

BNA_F

ClientSampleId :

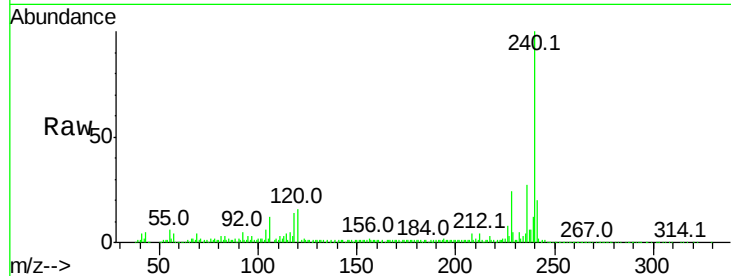
Tot Ion:240 Resp: 289227

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

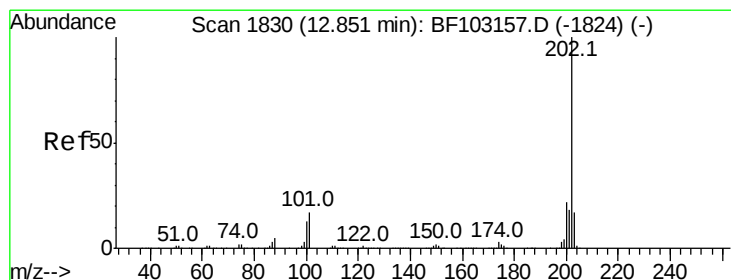
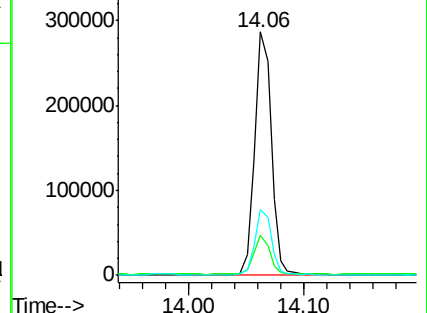
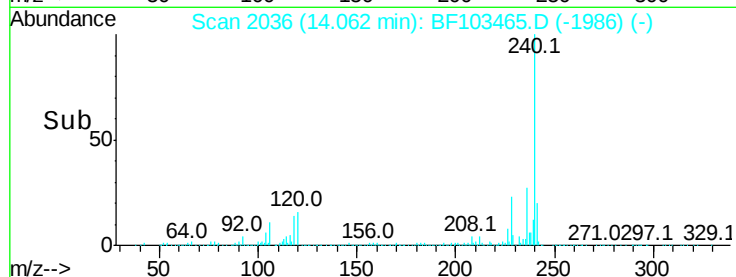
236 27.2 20.7 31.1



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: 19.581 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

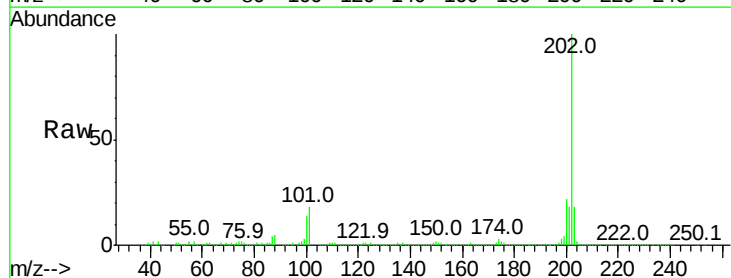
Tgt Ion:202 Resp: 441544

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

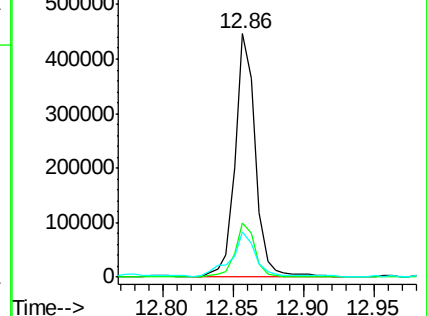
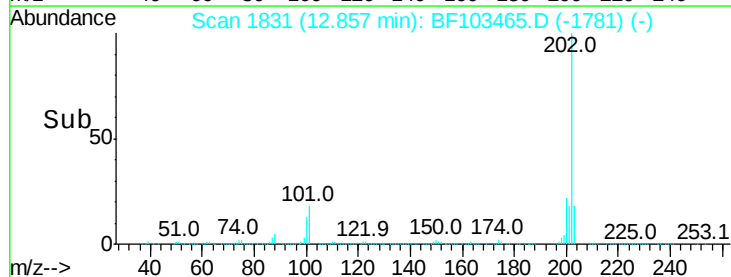
203 18.3 14.3 21.5

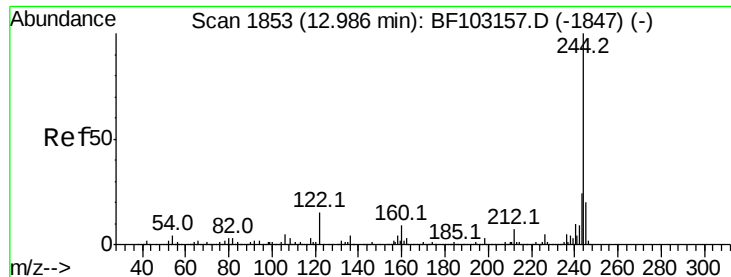


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.282 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

Instrument :

BNA_F

ClientSampleId :

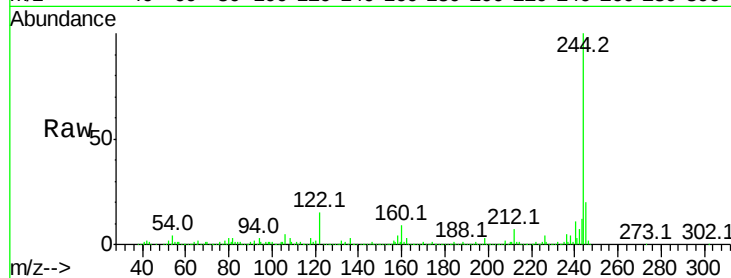
Tot Ion:244 Resp: 701238

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

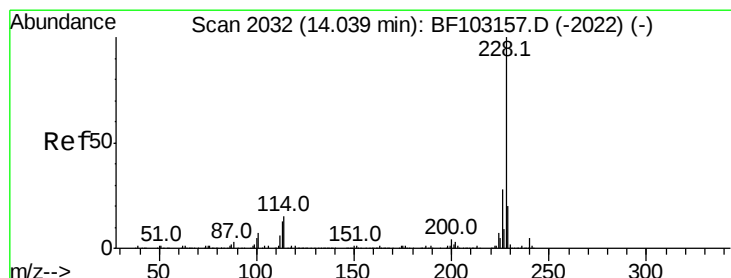
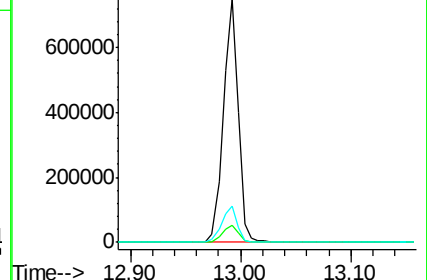
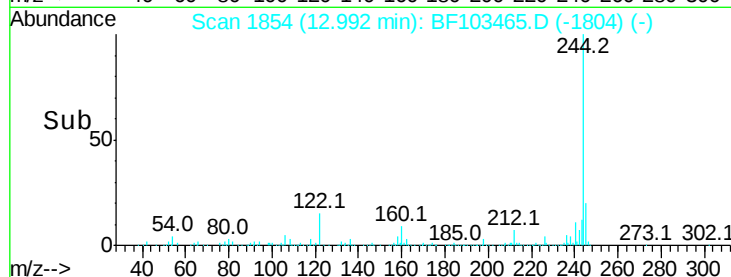
122 14.7 11.0 16.4



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: 10.130 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

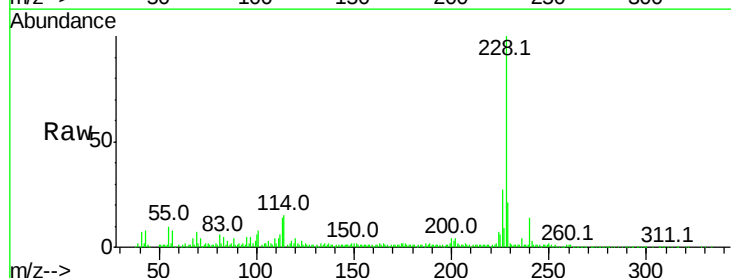
Tgt Ion:228 Resp: 190106

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

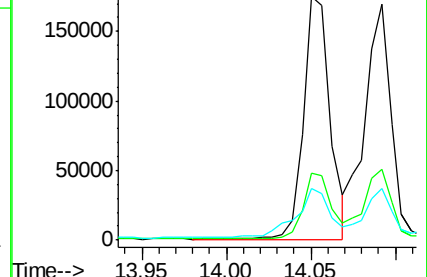
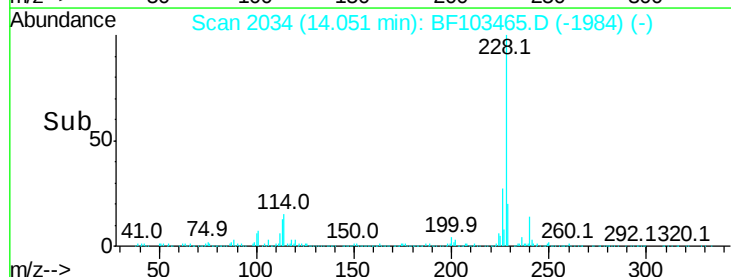
229 21.0 15.8 23.6

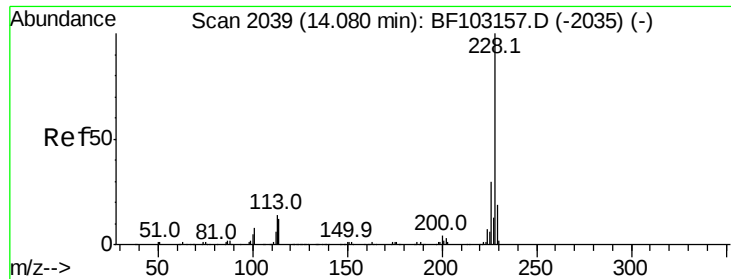


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

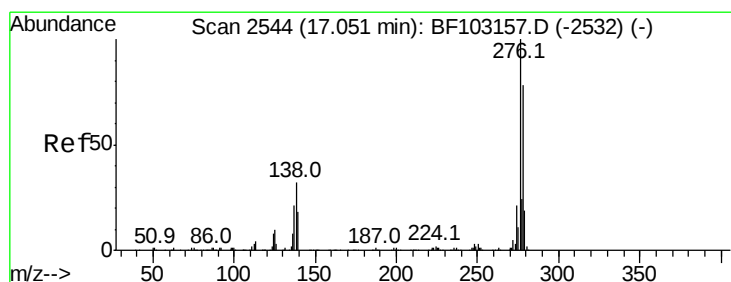
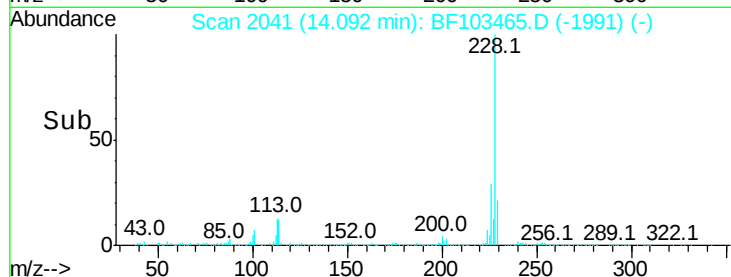
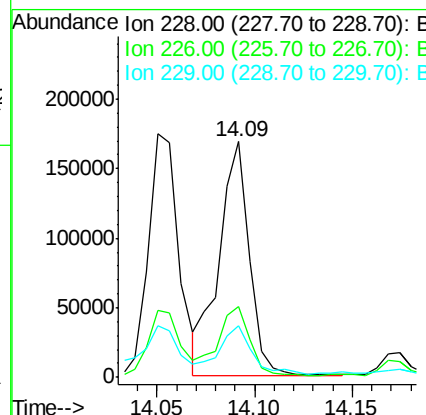
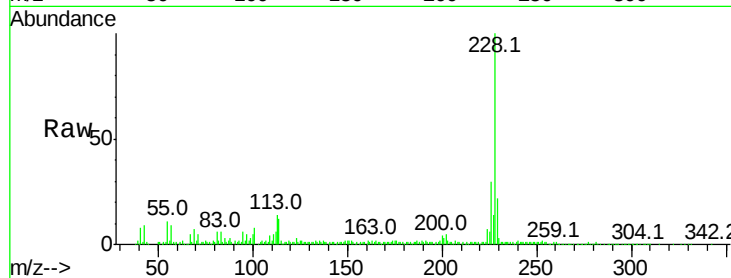




#82
Chrysene
Concen: 10.071 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103465.D
Acq: 6 Mar 2018 19:43

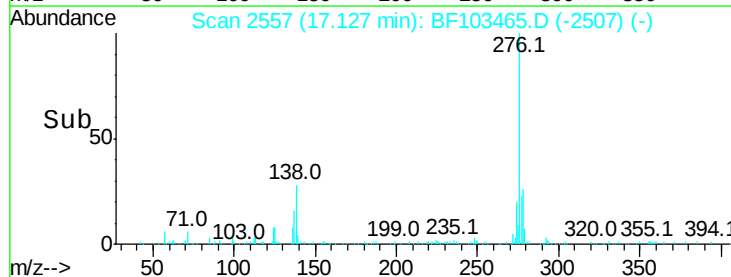
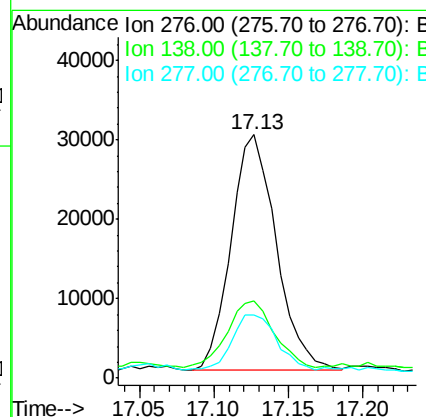
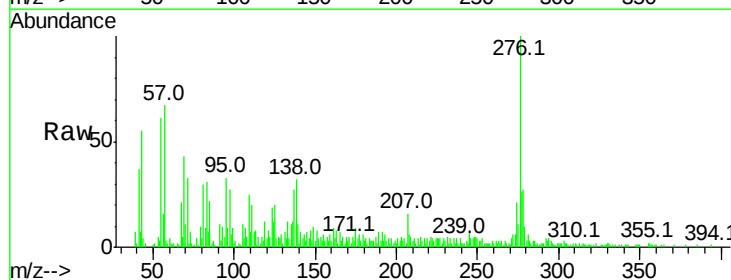
Instrument :
BNA_F
ClientSampleId :

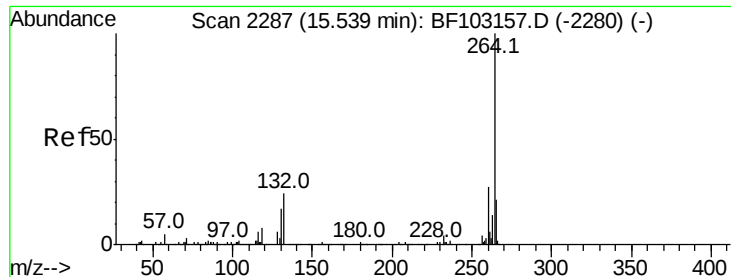
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.1	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.318 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103465.D
Acq: 6 Mar 2018 19:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.4	25.0	37.6
277	23.3	20.1	30.1



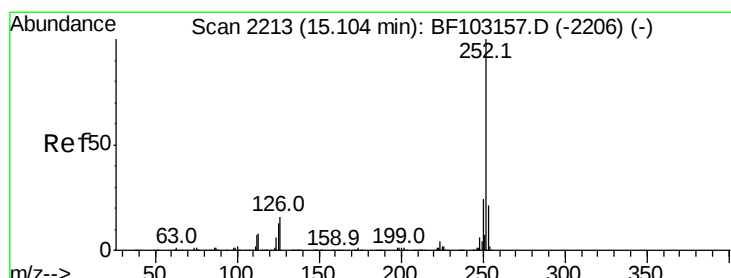
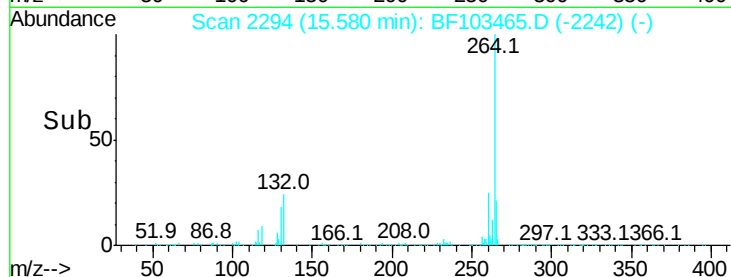
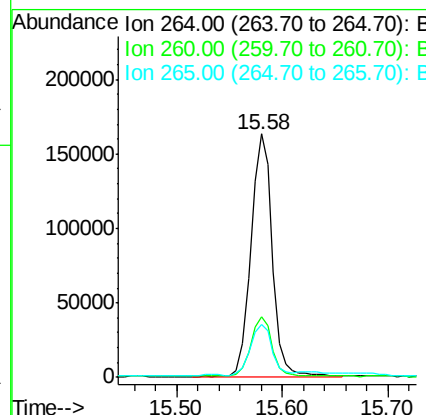
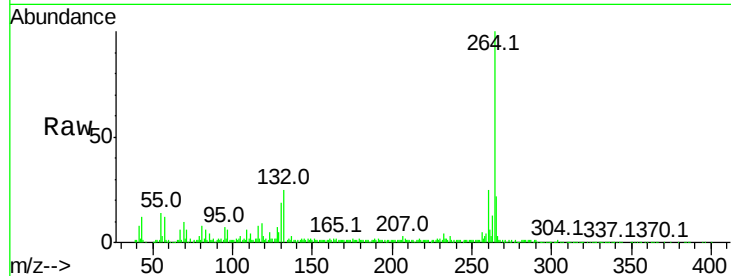


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103465.D
Acq: 6 Mar 2018 19:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 227575

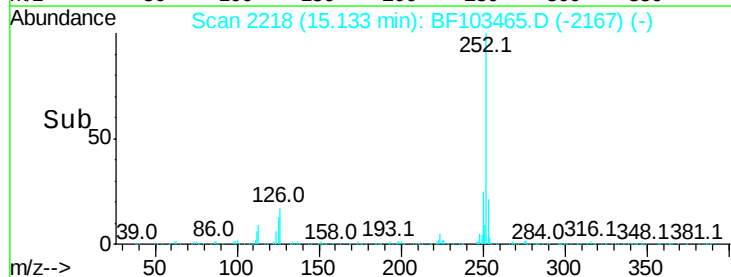
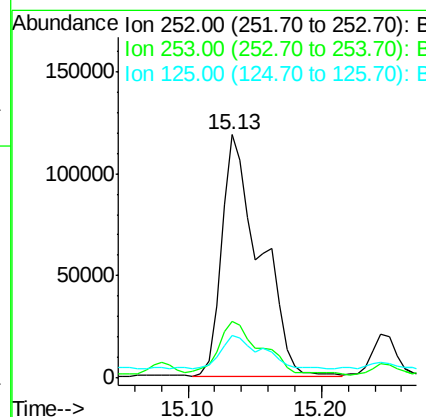
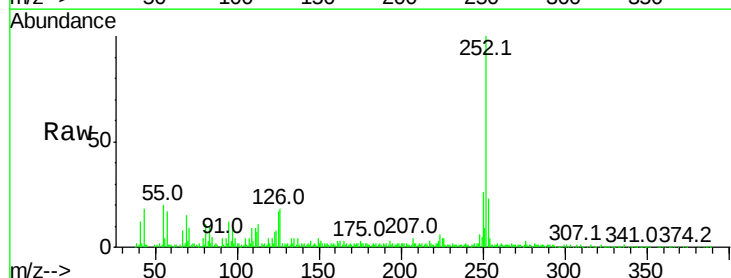
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	21.6	17.5	26.3

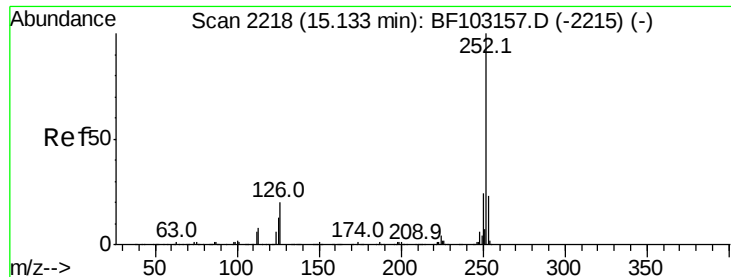


#87
Benzo(b)fluoranthene
Concen: 15.703 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103465.D
Acq: 6 Mar 2018 19:43

Tgt Ion:252 Resp: 234964

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	17.4	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 16.676 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.03 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

Instrument :

BNA_F

ClientSampleId :

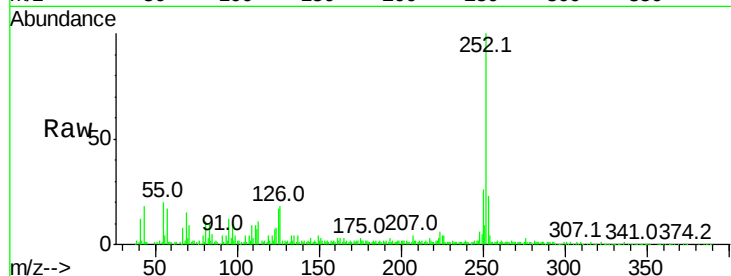
Tot Ion:252 Resp: 234964

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

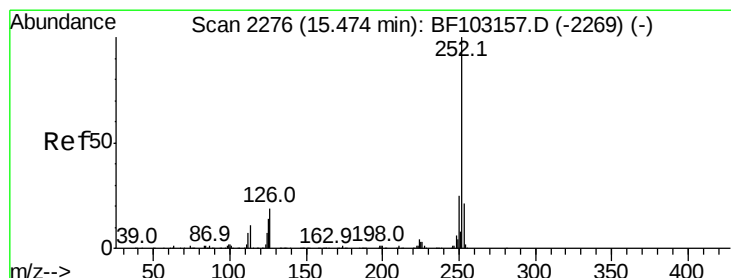
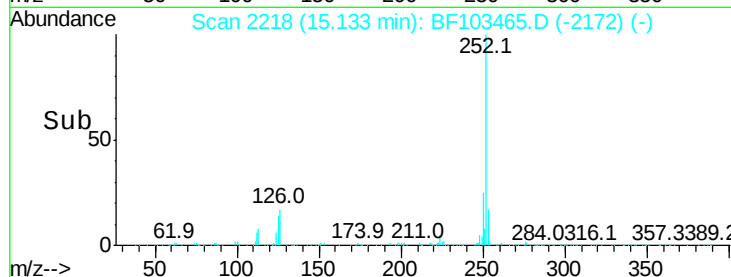
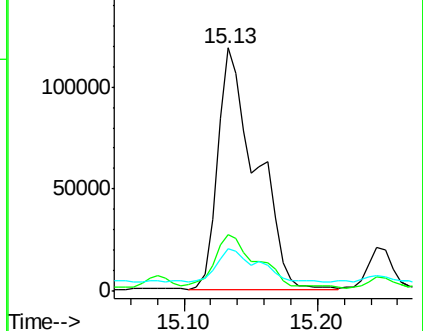
125 17.4 10.2 15.2#



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: 8.886 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF103465.D

Acq: 6 Mar 2018 19:43

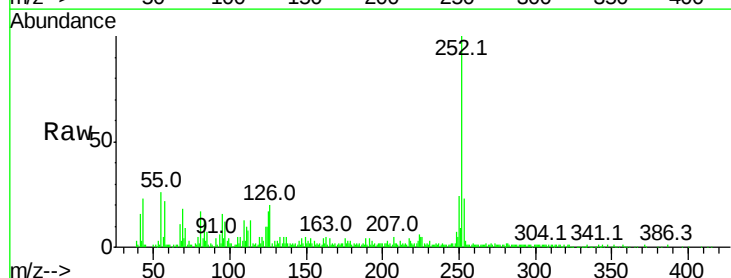
Tgt Ion:252 Resp: 118729

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

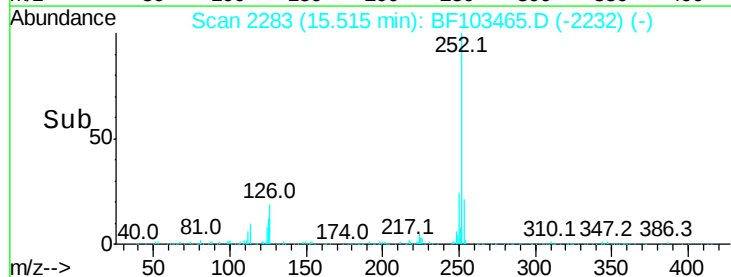
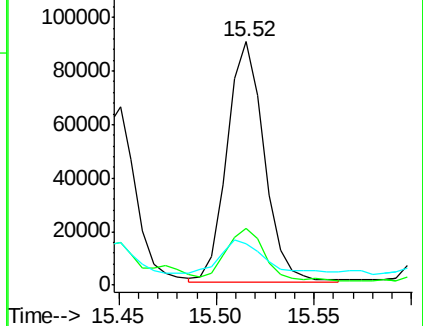
125 17.1 9.8 14.6#

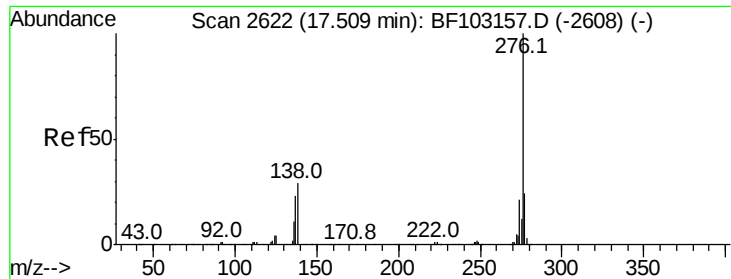


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

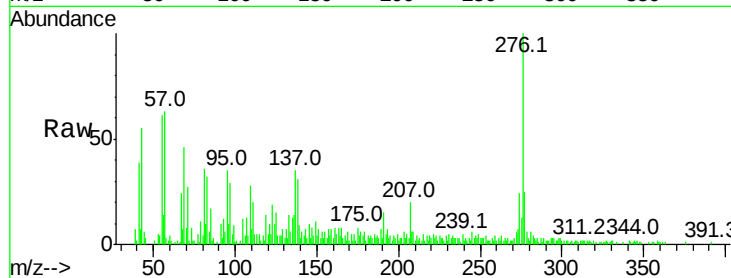




#91
 Benzo(a,h,i)perylene
 Concen: 6.290 ng
 RT: 17.60 min Scan# 2637
 Delta R.T. -0.00 min
 Lab File: BF103465.D
 Acq: 6 Mar 2018 19:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	31.4	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

