

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104715.D
 Acq On : 23 Apr 2018 17:48
 Operator : JU/SJ
 Sample : J2503-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 01:02:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	108772	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	429994	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	176455	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	277576	20.00	ng	0.01
75) Chrysene-d12	14.00	240	167523	20.00	ng	0.02
86) Perylene-d12	15.47	264	148600	20.00	ng	0.02

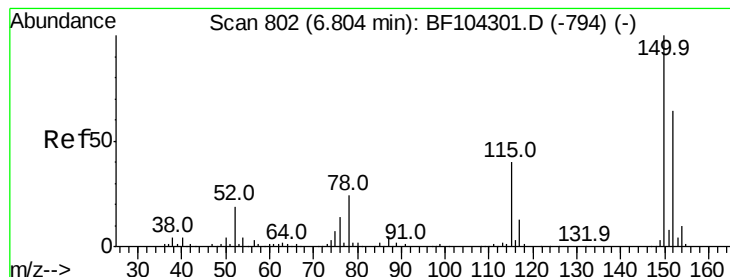
System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	685902	96.42	ng	0.01
7) Phenol-d6	6.46	99	837766	95.85	ng	0.01
23) Nitrobenzene-d5	7.37	82	476770	72.40	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	164902	90.09	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	808915	72.42	ng	0.00
78) Terphenyl-d14	12.93	244	624050	84.93	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.46	94	51675	5.572	ng	90
19) n-Nitroso-di-n-propylamine	7.37	70	62938	11.020	ng	# 73
25) Isophorone	7.37	82	476765	34.238	ng	# 64
31) Naphthalene	8.12	128	185623	8.669	ng	99
33) 4-Chloroaniline	8.12	127	24371	2.657	ng	# 39
37) 2-Methylnaphthalene	8.80	142	56085	4.049	ng	99
48) Acenaphthylene	9.71	152	106660	5.806	ng	98
49) Dimethylphthalate	9.56	163	73026	5.248	ng	100
51) Acenaphthene	9.88	154	188819	16.846	ng	99
54) Dibenzofuran	10.05	168	160345	10.265	ng	97
55) 4-Nitrophenol	10.05	139	60514	25.557	ng	# 11
57) Fluorene	10.40	166	227245	19.987	ng	99
64) 4,6-Dinitro-2-methylphenol	10.64	198	320	7.548	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	9899	3.353	ng	# 1
70) Phenanthrene	11.38	178	2131651	137.899	ng	99
71) Anthracene	11.42	178	746785	47.526	ng	100
72) Carbazole	11.57	167	424384	27.639	ng	99
74) Fluoranthene	12.58	202	3035429	187.945	ng	99
76) Benzidine	12.66	184	737	Below Cal		# 1
77) Pyrene	12.81	202	2741019	220.740	ng	98
80) Benzo(a)anthracene	13.99	228	1592942	159.167	ng	98
82) Chrysene	14.03	228	1294911	125.967	ng	97
85) Indeno(1,2,3-cd)pyrene	16.96	276	691885	79.231	ng	# 91
87) Benzo(b)fluoranthene	15.06	252	2003830	213.507	ng	96
88) Benzo(k)fluoranthene	15.06	252	2003830	226.151	ng	98
89) Benzo(a)pyrene	15.43	252	1039089	123.738	ng	95
90) Dibenzo(a,h)anthracene	17.12	278	153142	22.204	ng	96
91) Benzo(g,h,i)perylene	17.41	276	635092	95.046	ng	95

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

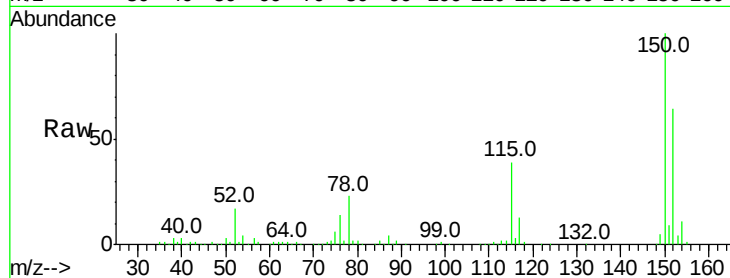


#1

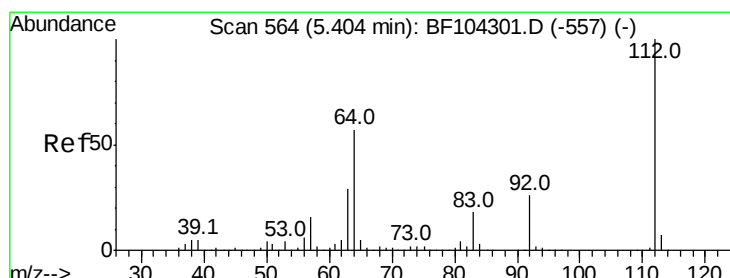
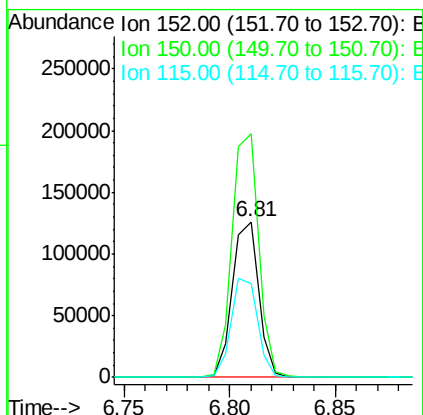
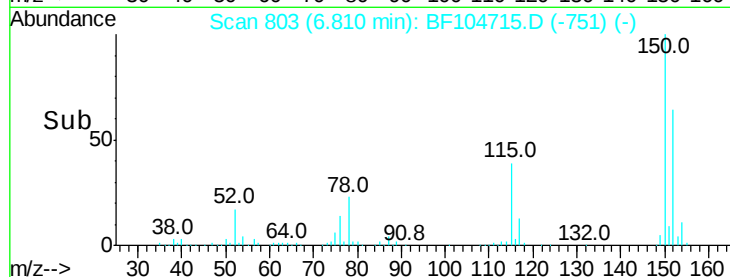
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108772
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 60.5 50.1 75.1



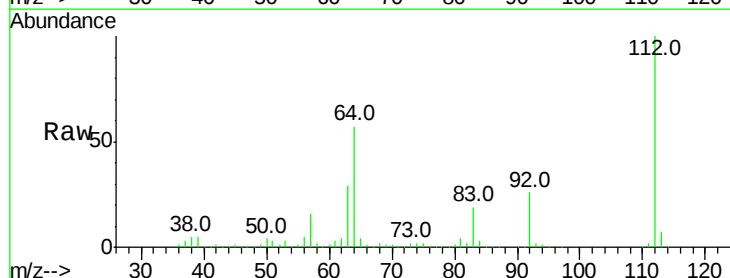
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



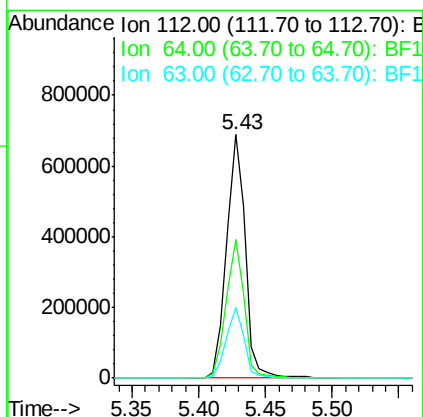
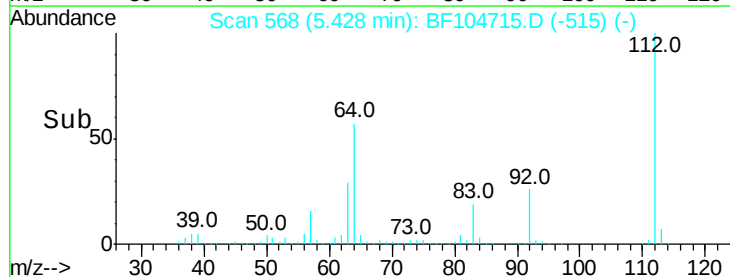
#5

2-Fluorophenol
Concen: 96.420 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Tgt Ion:112 Resp: 685902
Ion Ratio Lower Upper
112 100
64 56.8 47.9 71.9
63 29.2 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: 95.850 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampled :

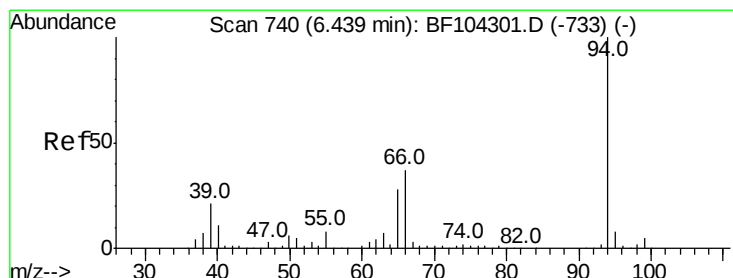
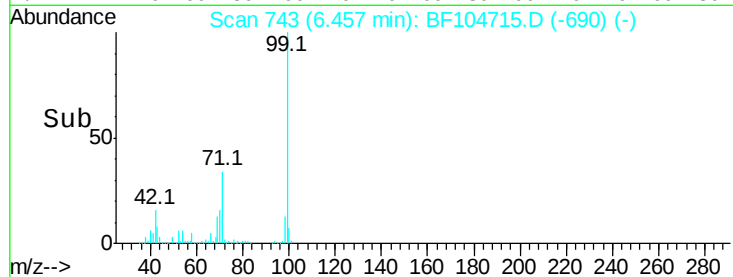
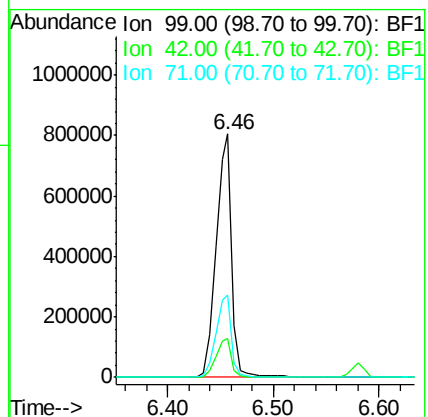
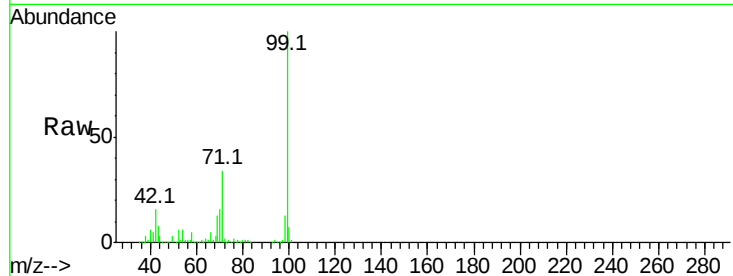
Tot Ion: 99 Resp: 837766

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

71 33.8 25.4 38.0



#10

Phenol

Concen: 5.572 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

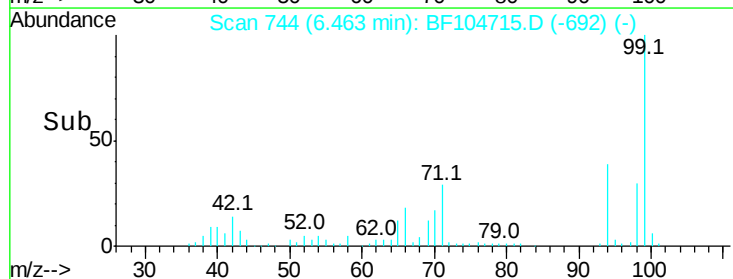
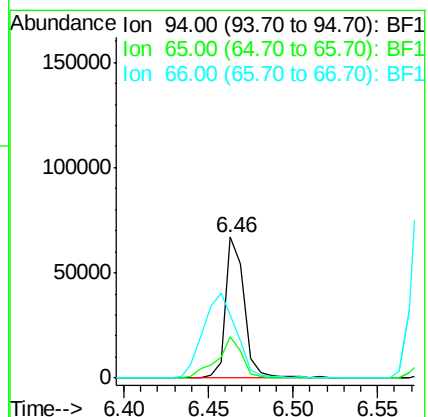
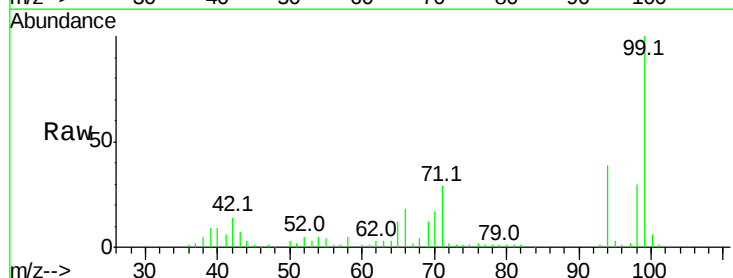
Tgt Ion: 94 Resp: 51675

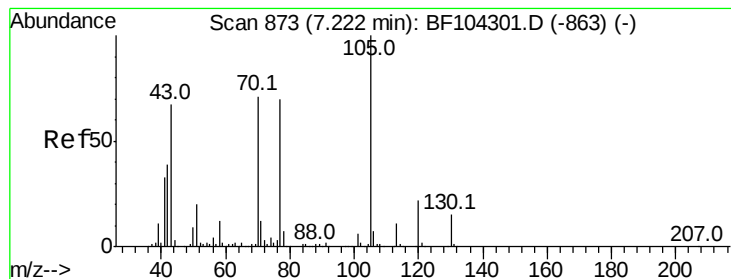
Ion Ratio Lower Upper

94 100

65 29.7 7.9 47.9

66 45.1 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 11.020 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 62938

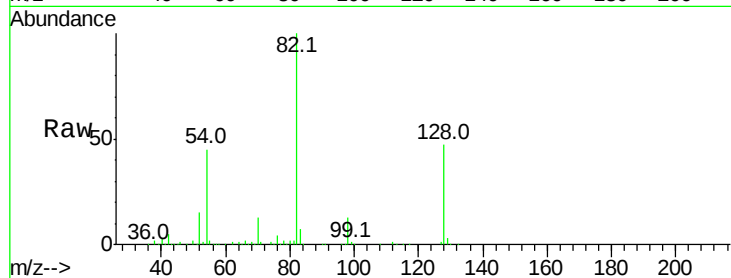
Ion Ratio Lower Upper

70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

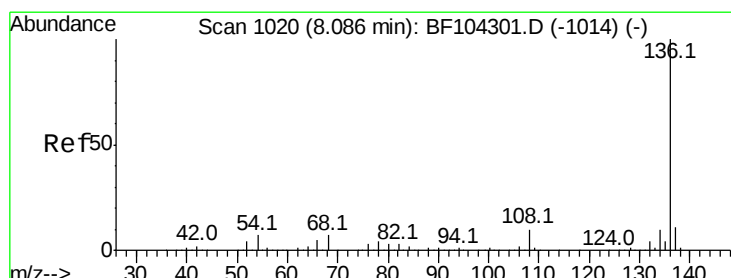
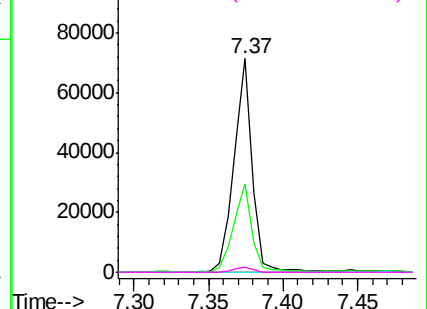
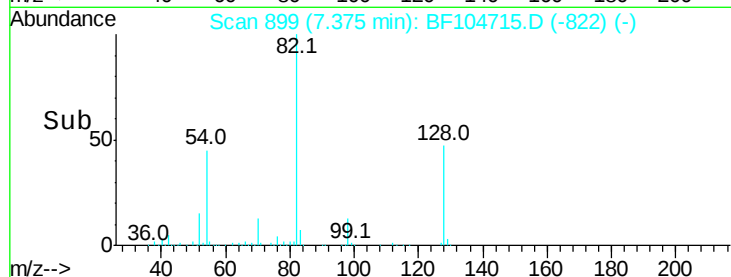


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Tgt Ion:136 Resp: 429994

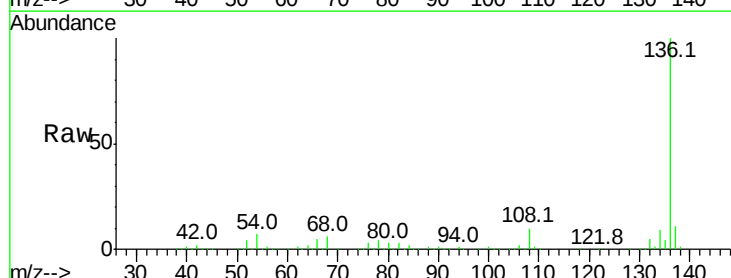
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.9 6.6 9.8

68 6.1 5.0 7.4

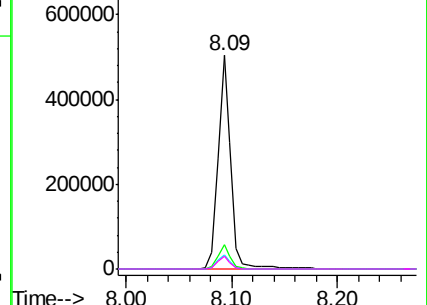
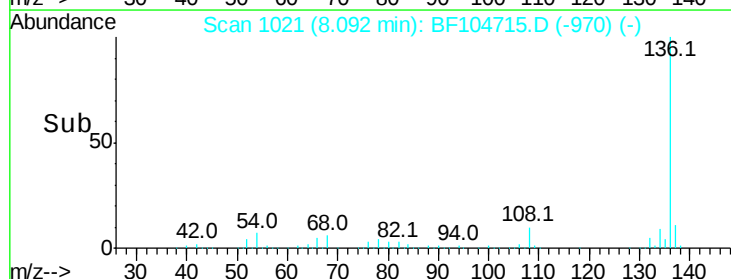


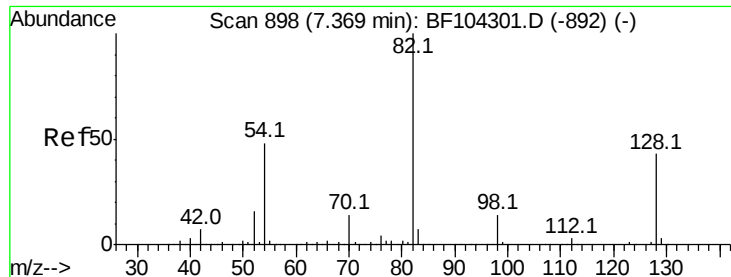
Abundance Ion 136.00 (135.70 to 136.70): BF1

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: 72.401 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampleId :

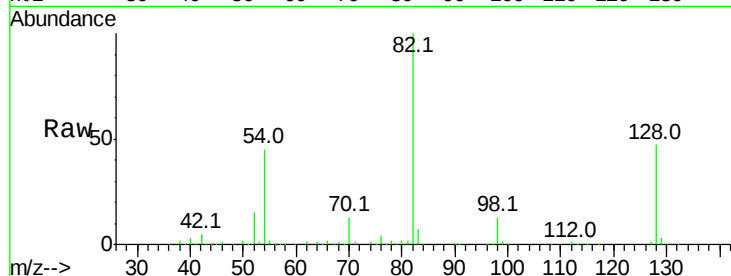
Tot Ion: 82 Resp: 476770

Ion Ratio Lower Upper

82 100

128 46.6 36.1 54.1

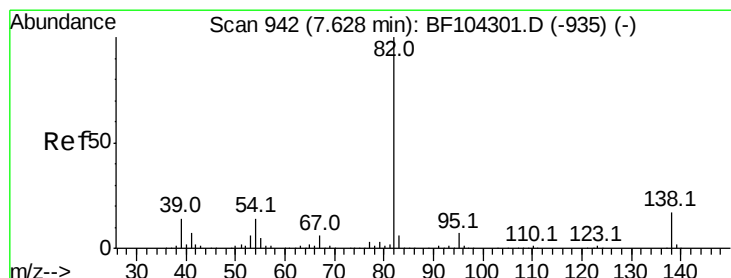
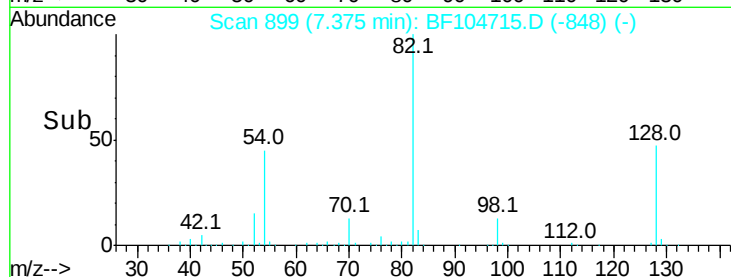
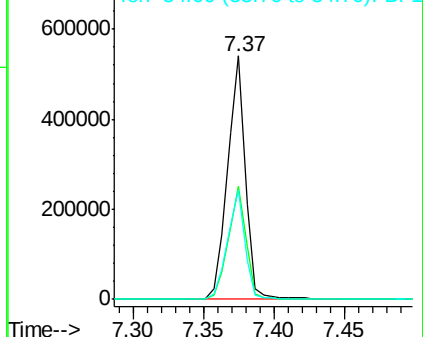
54 44.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 34.238 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

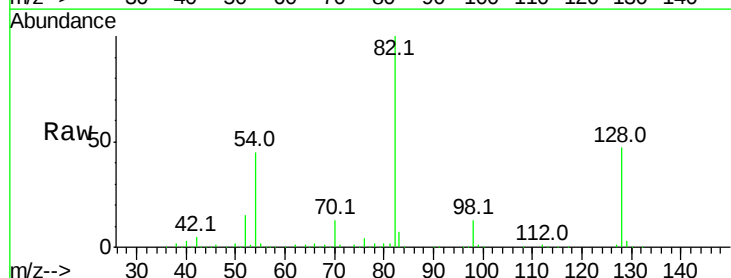
Tgt Ion: 82 Resp: 476765

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

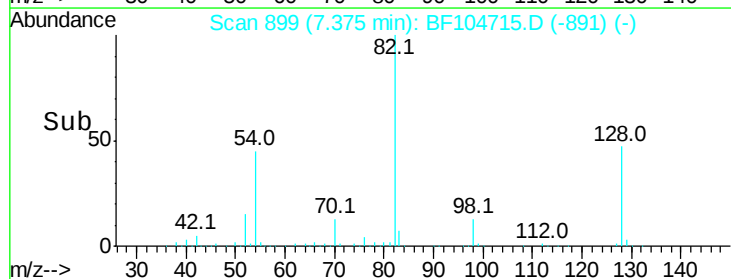
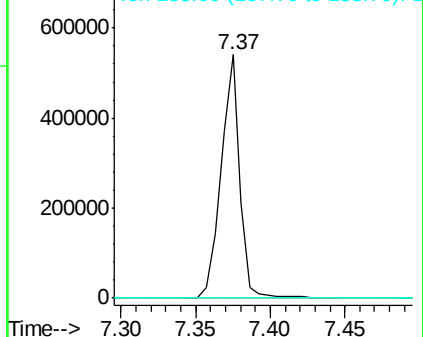
138 0.0 14.9 22.3#

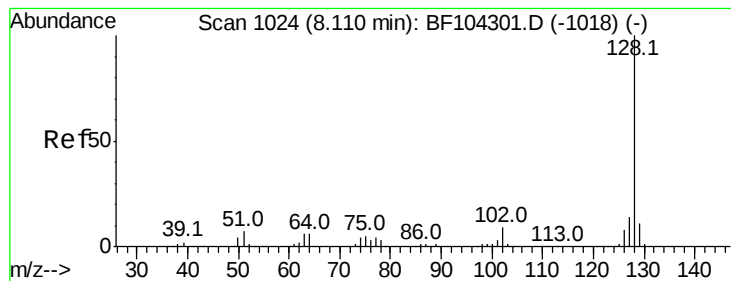


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 8.669 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampled :

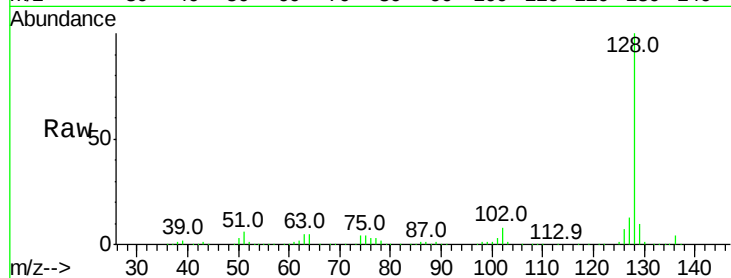
Tot Ion:128 Resp: 185623

Ion Ratio Lower Upper

128 100

129 10.1 8.8 13.2

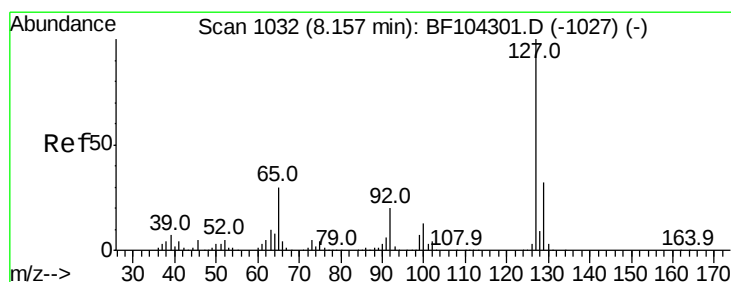
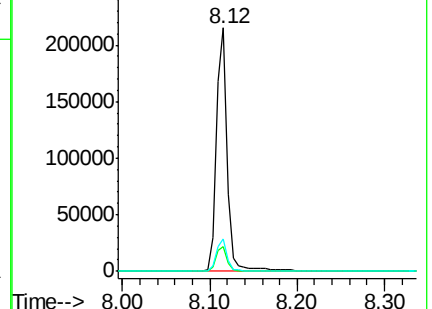
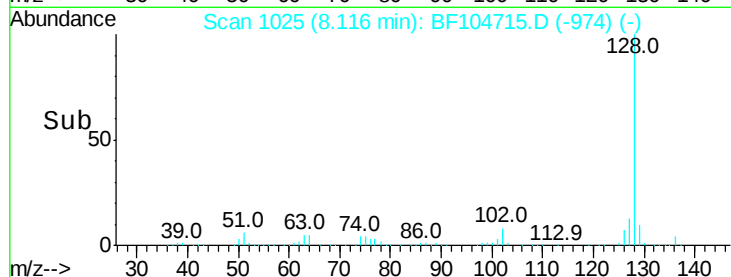
127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 2.657 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.05 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Tgt Ion:127 Resp: 24371

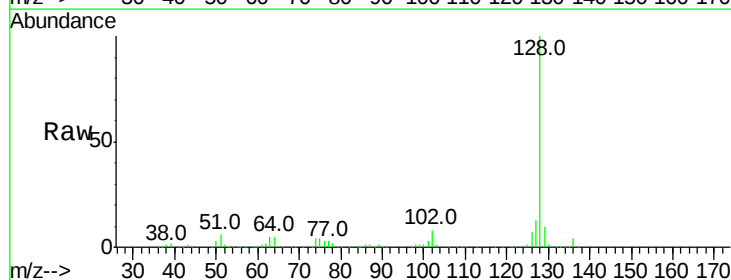
Ion Ratio Lower Upper

127 100

129 74.8 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

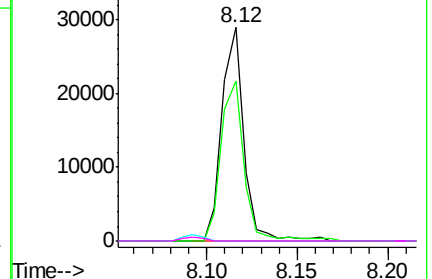
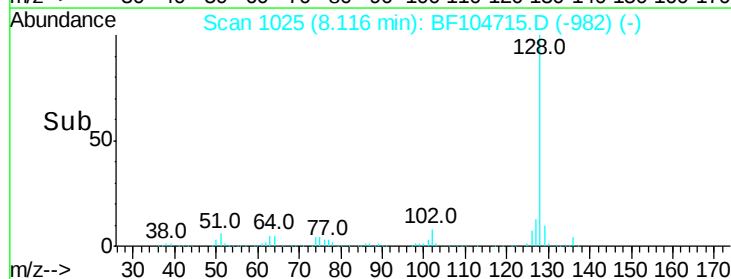


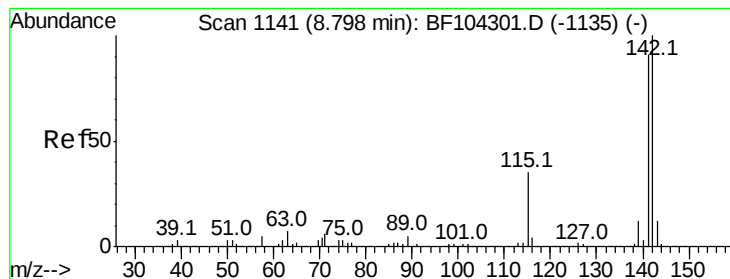
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

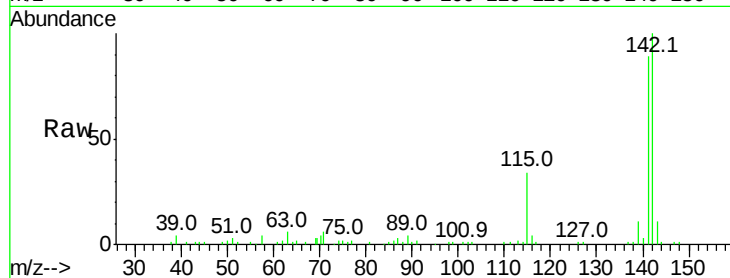




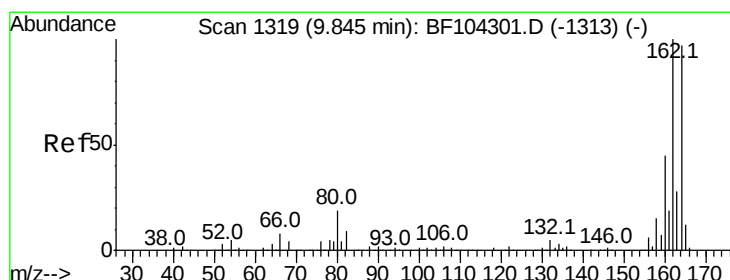
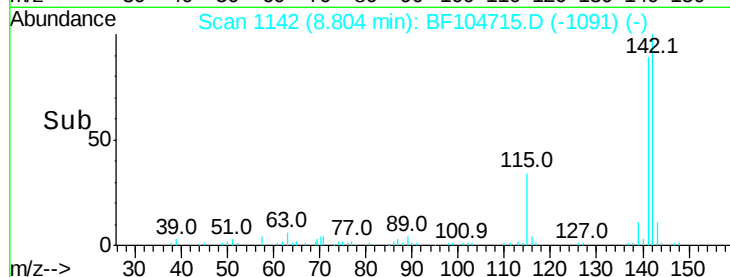
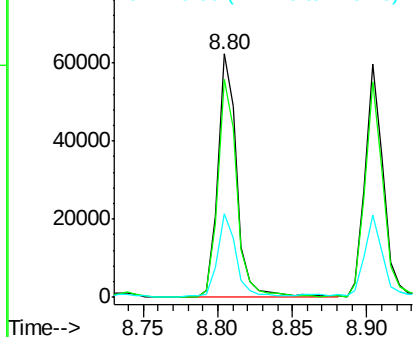
#37
 2-Methylnaphthalene
 Concen: 4.049 ng
 RT: 8.80 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 56085
 Ion Ratio Lower Upper
 142 100
 141 89.4 70.8 106.2
 115 34.2 26.1 39.1

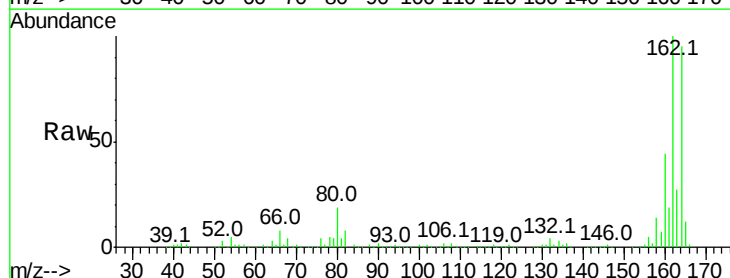


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

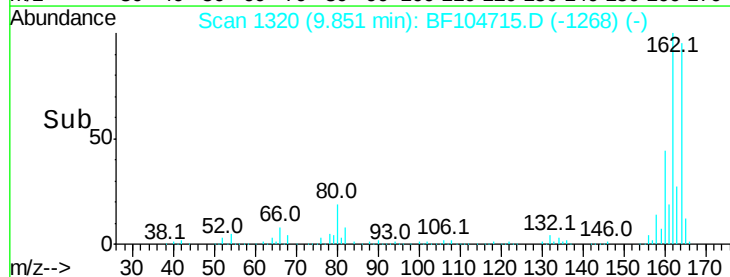
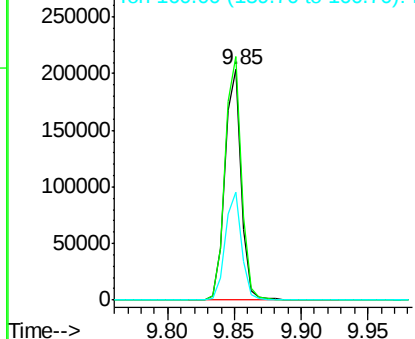


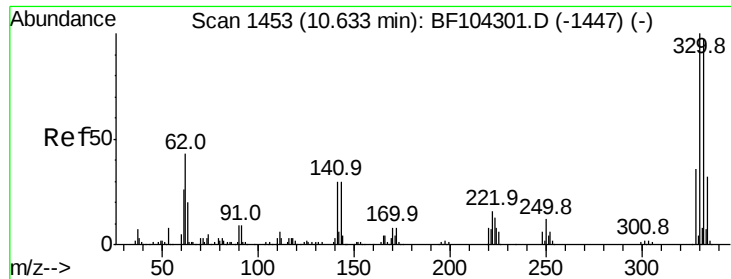
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Tgt Ion:164 Resp: 176455
 Ion Ratio Lower Upper
 164 100
 162 105.6 86.1 129.1
 160 46.7 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

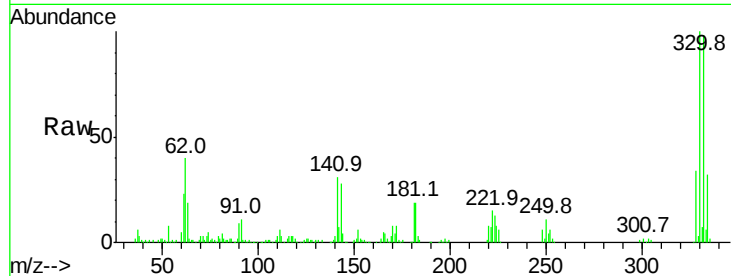




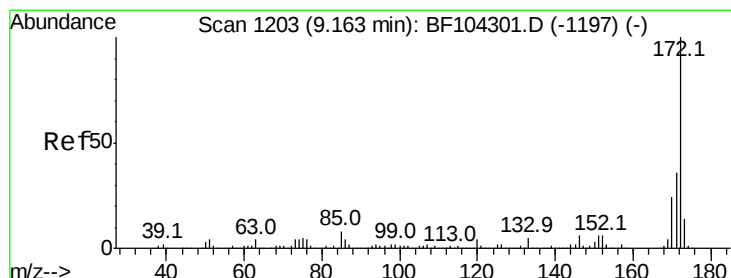
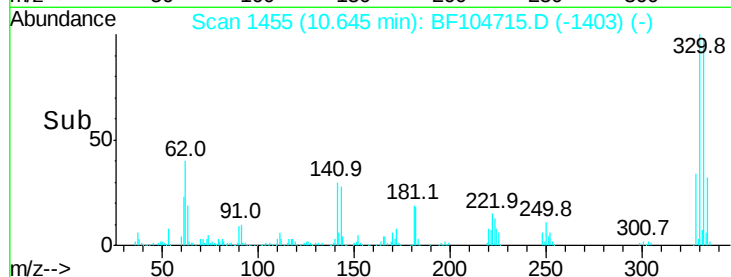
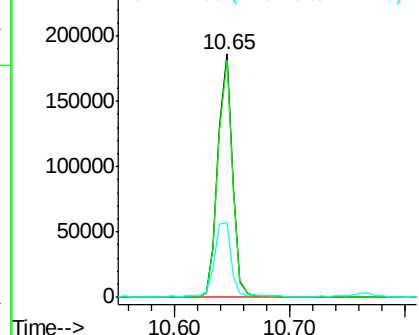
#41
 2,4,6-Tribromophenol
 Concen: 90.090 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	35.3	29.9	44.9

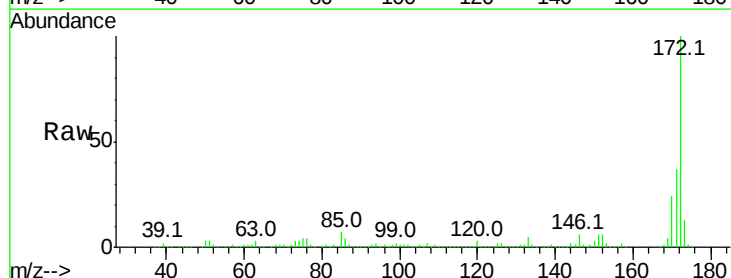


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

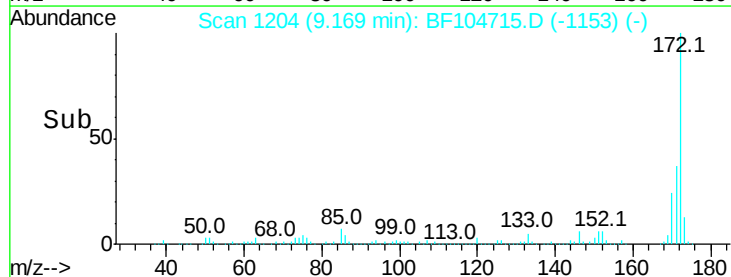
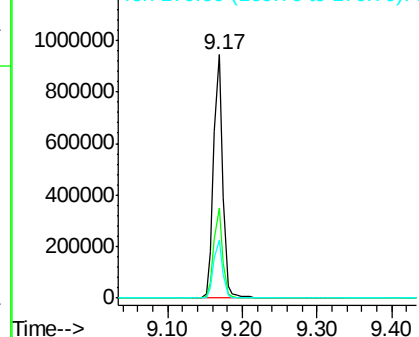


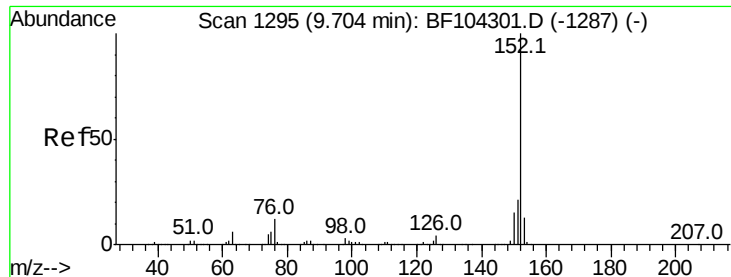
#44
 2-Fluorobiphenyl
 Concen: 72.420 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.1	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





#48

Acenaphthylene

Concen: 5.806 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampleId :

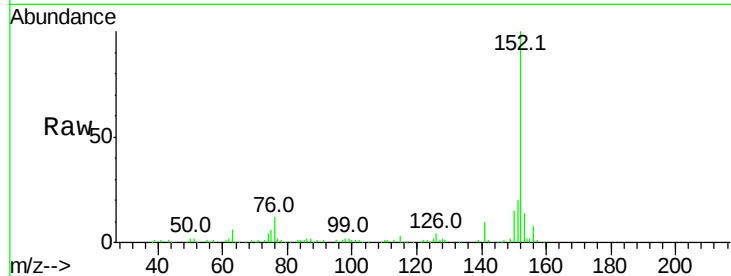
Tot Ion:152 Resp: 106660

Ion Ratio Lower Upper

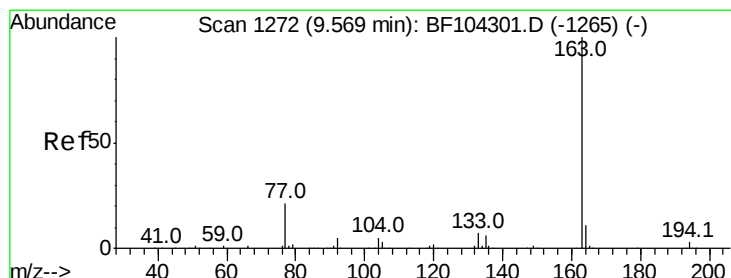
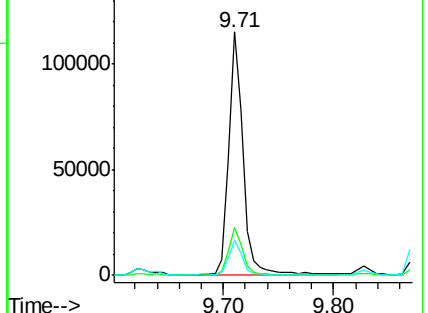
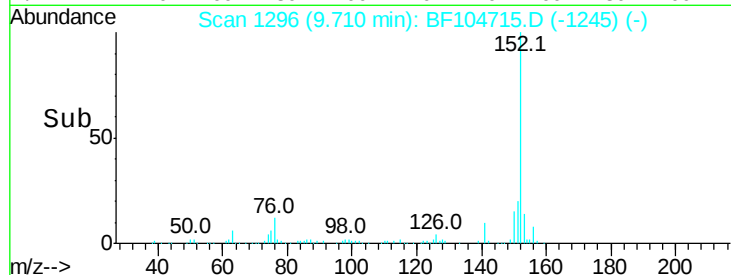
152 100

151 19.6 16.3 24.5

153 14.4 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.248 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

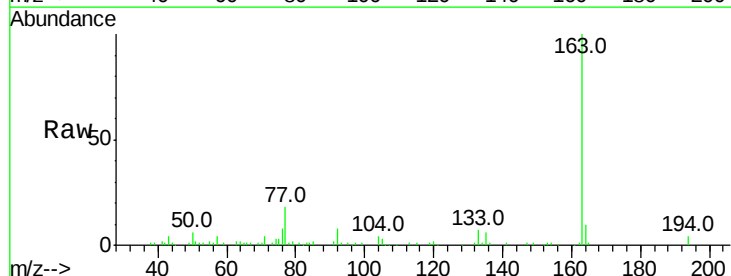
Tgt Ion:163 Resp: 73026

Ion Ratio Lower Upper

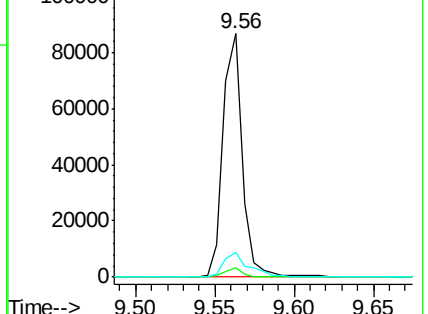
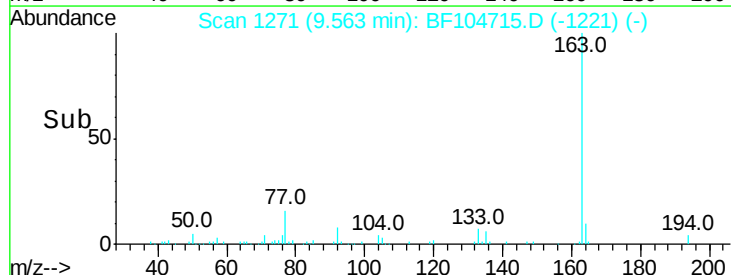
163 100

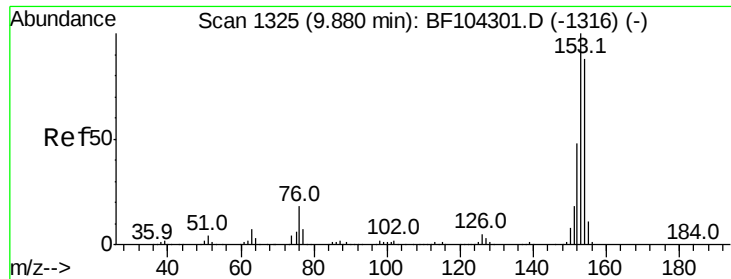
194 3.6 2.7 4.1

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





#51

Acenaphthene

Concen: 16.846 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampleId :

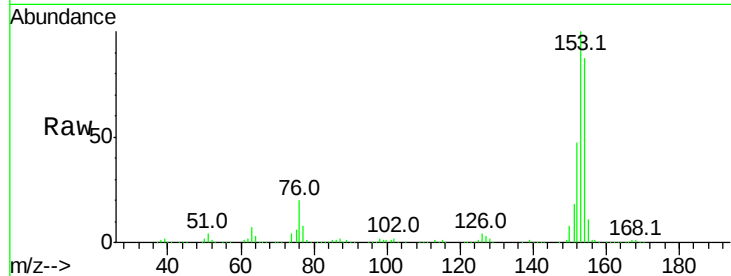
Tot Ion:154 Resp: 188819

Ion Ratio Lower Upper

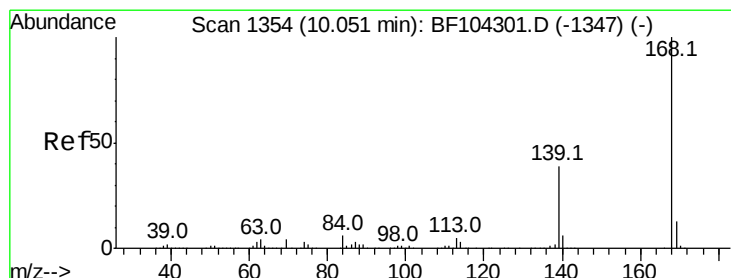
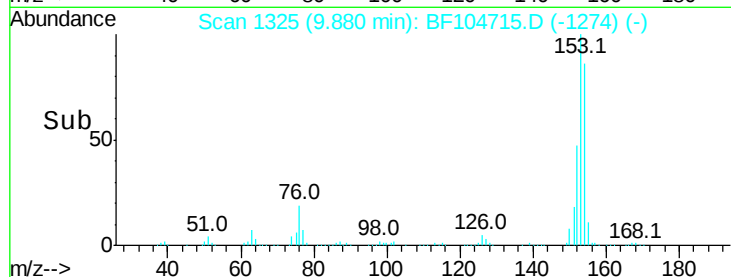
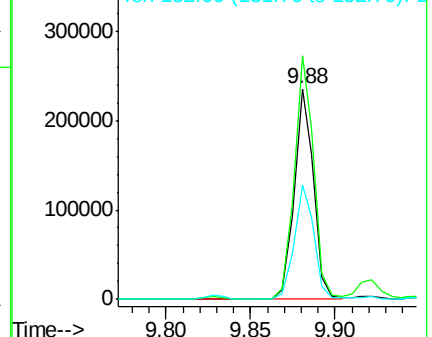
154 100

153 115.4 91.2 136.8

152 54.2 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: 10.265 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

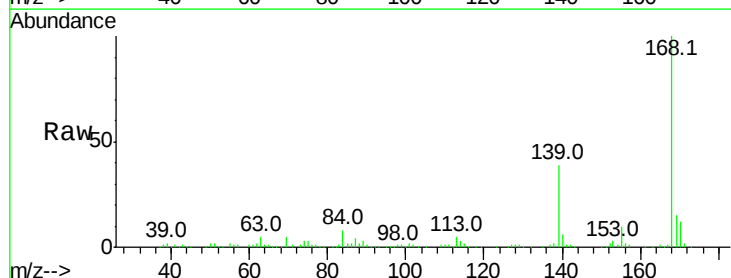
Tgt Ion:168 Resp: 160345

Ion Ratio Lower Upper

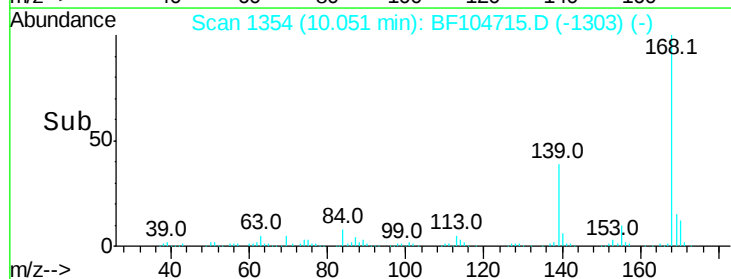
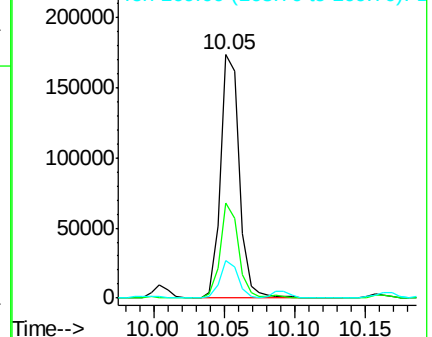
168 100

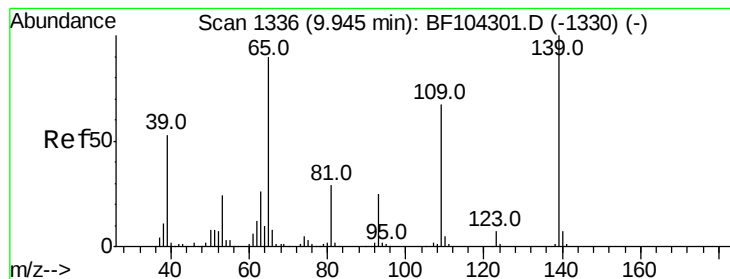
139 38.9 30.1 45.1

169 15.3 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: 25.557 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.08 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampleId :

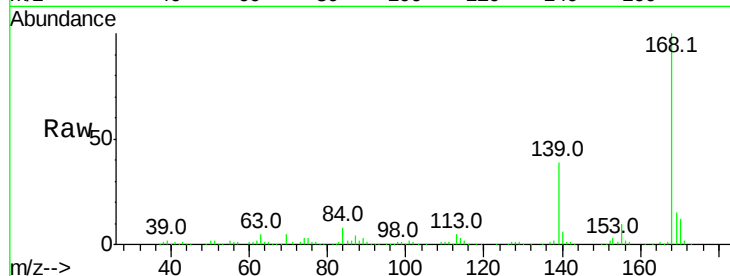
Tot Ion:139 Resp: 60514

Ion Ratio Lower Upper

139 100

109 1.6 48.4 88.4#

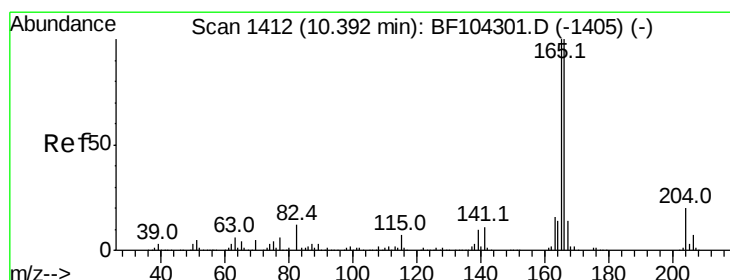
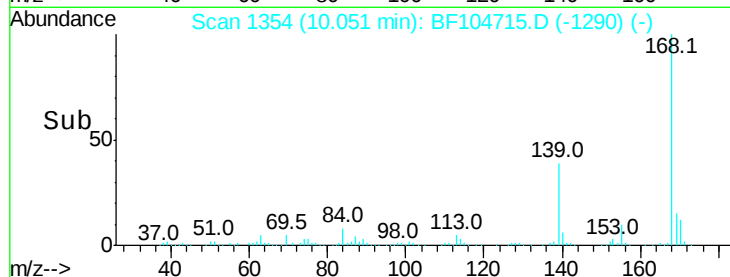
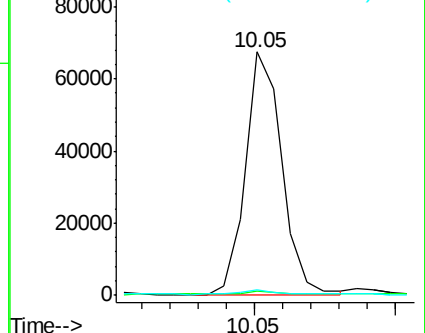
65 2.1 72.6 112.6#



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: 19.987 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.00 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

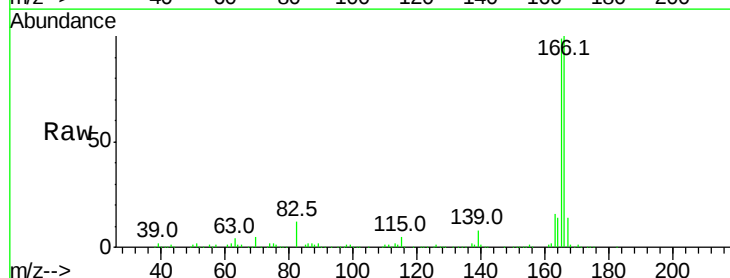
Tgt Ion:166 Resp: 227245

Ion Ratio Lower Upper

166 100

165 99.4 79.8 119.8

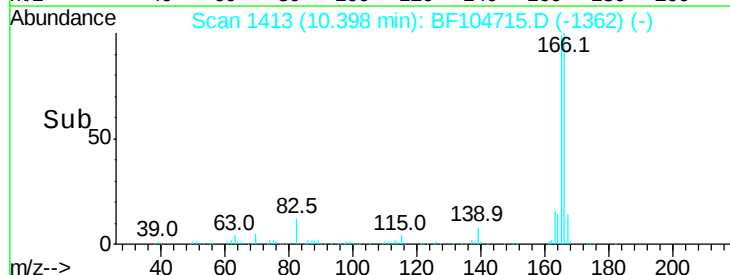
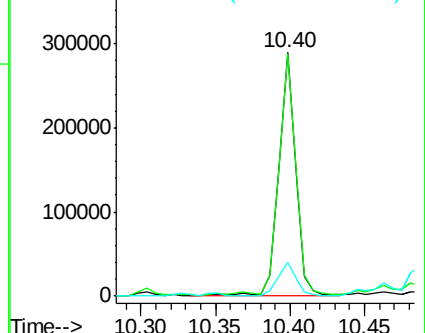
167 14.0 10.6 16.0

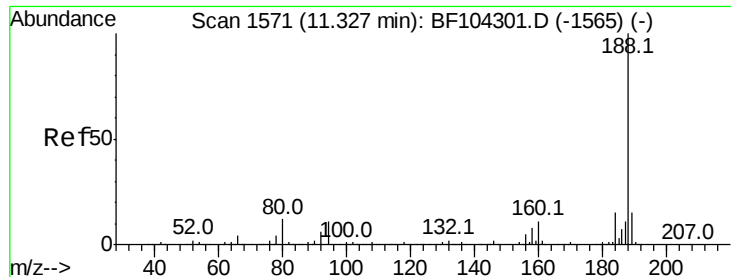


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

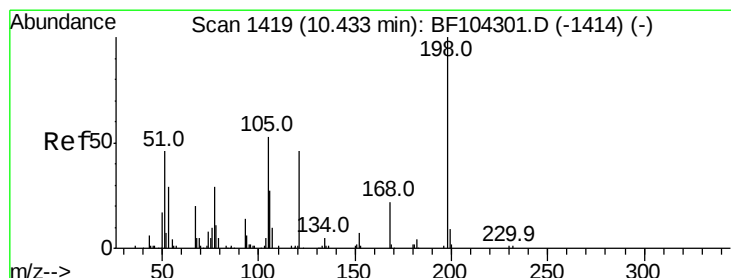
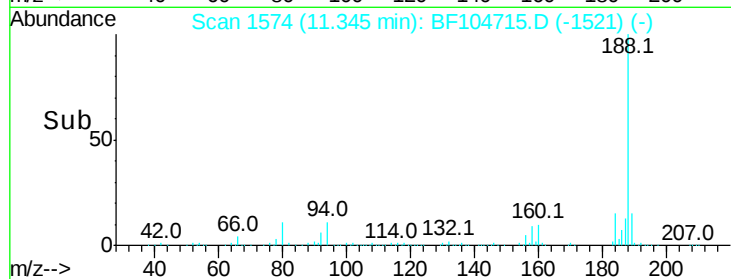
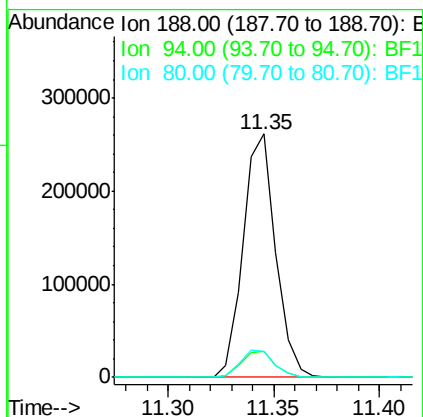
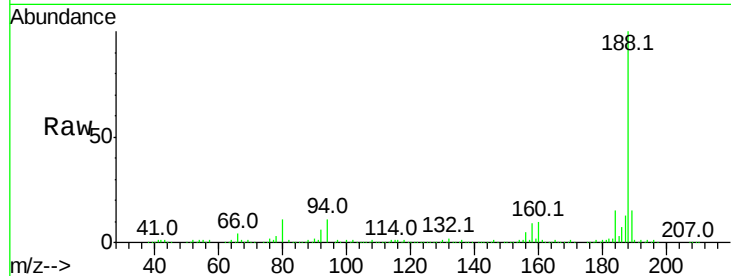




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

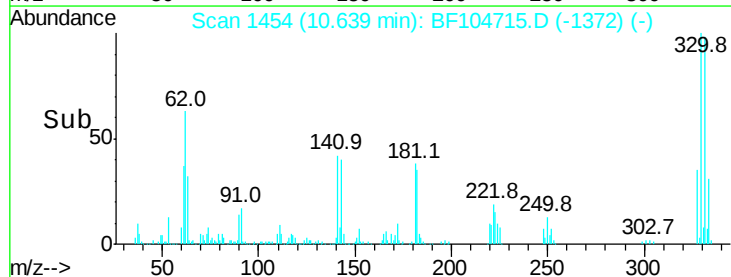
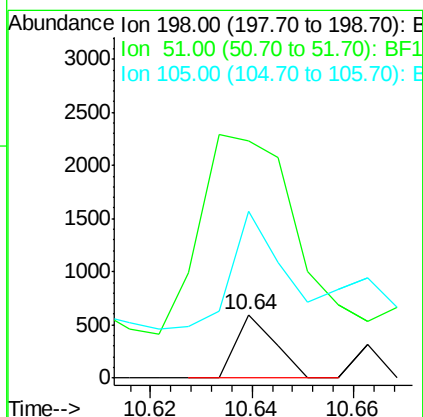
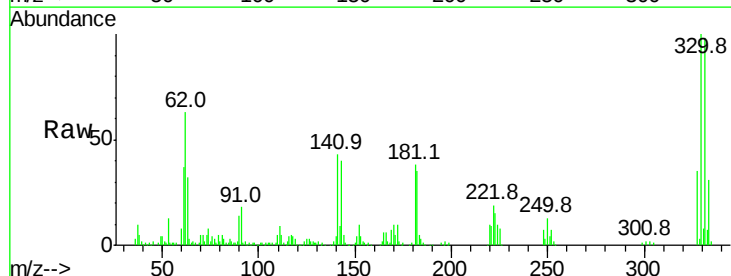
Instrument :
 BNA_F
 ClientSampleId :

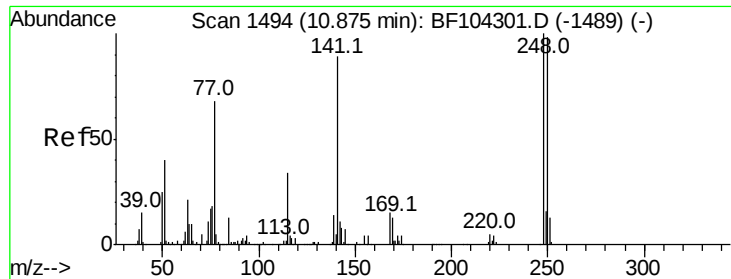
Tot Ion:188 Resp: 277576
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 10.7 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.548 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Tgt Ion:198 Resp: 320
 Ion Ratio Lower Upper
 198 100
 51 372.3 37.7 77.7#
 105 261.6 36.3 76.3#

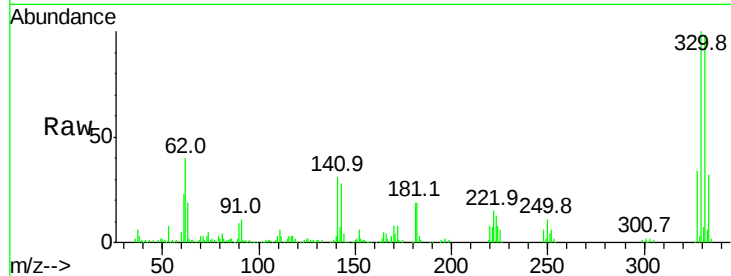




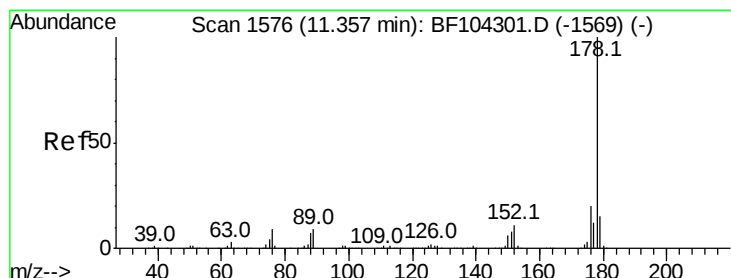
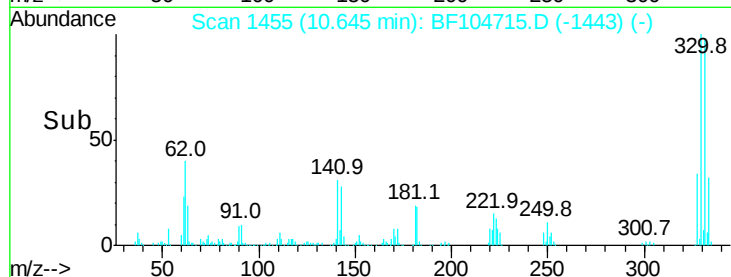
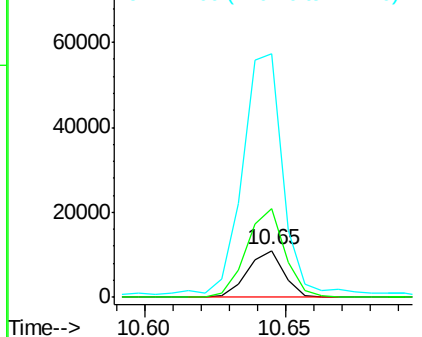
#66
4-Bromophenyl-phenylether
Concen: 3.353 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.23 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9899
Ion Ratio Lower Upper
248 100
250 188.1 76.9 115.3#
141 518.2 74.4 111.6#

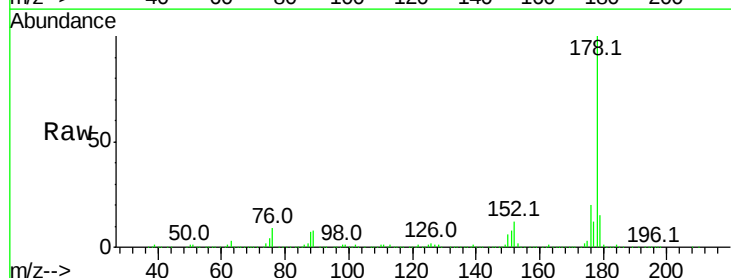


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

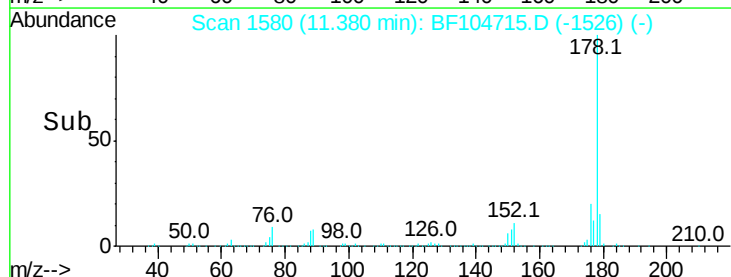
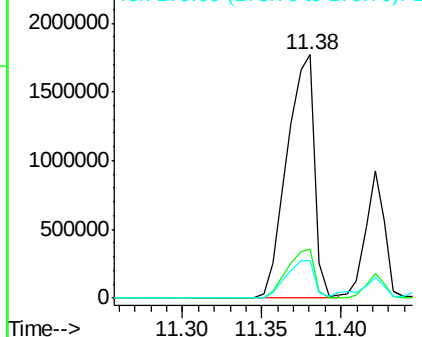


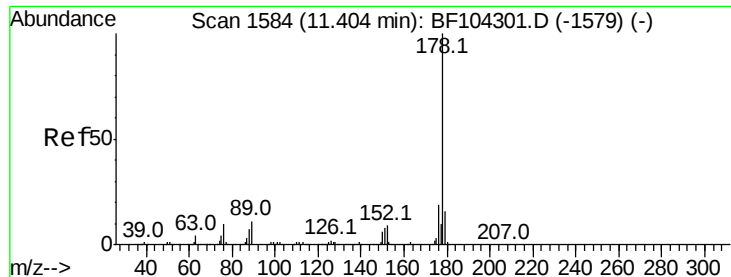
#70
Phenanthrene
Concen: 137.899 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.02 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Tgt Ion:178 Resp: 2131651
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.4 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

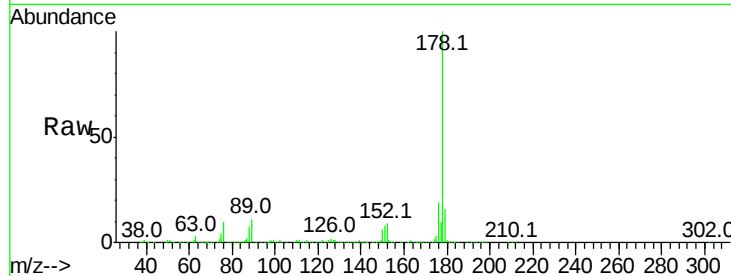




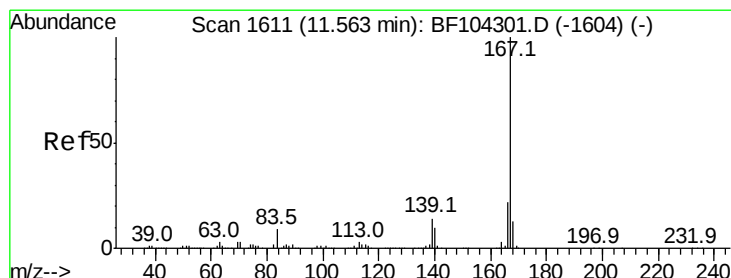
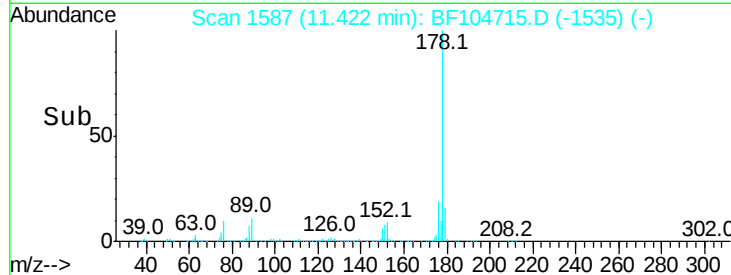
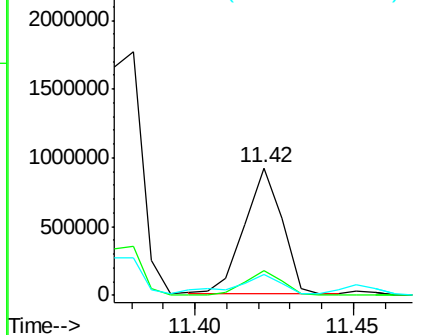
#71
 Anthracene
 Concen: 47.526 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 746785
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.9 12.6 19.0

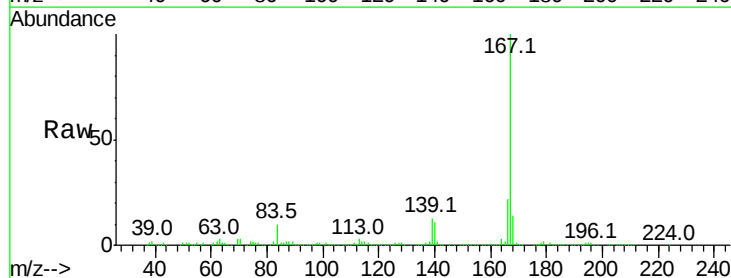


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

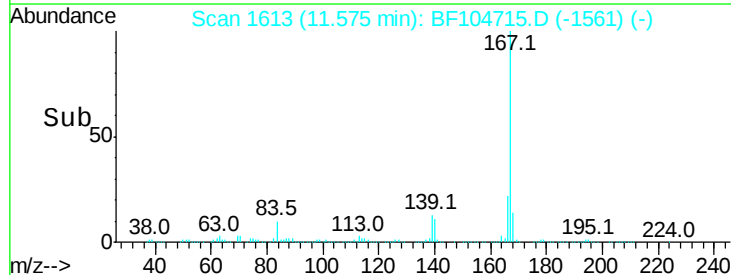
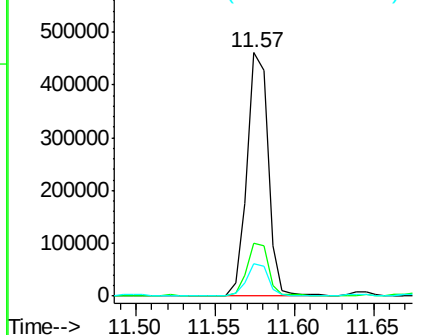


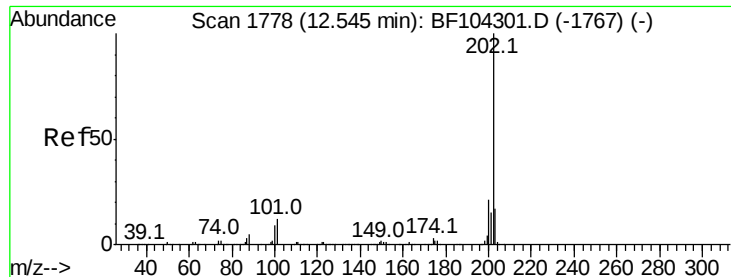
#72
 Carbazole
 Concen: 27.639 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Tgt Ion:167 Resp: 424384
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.6 26.4
 139 13.2 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: 187.945 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.03 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

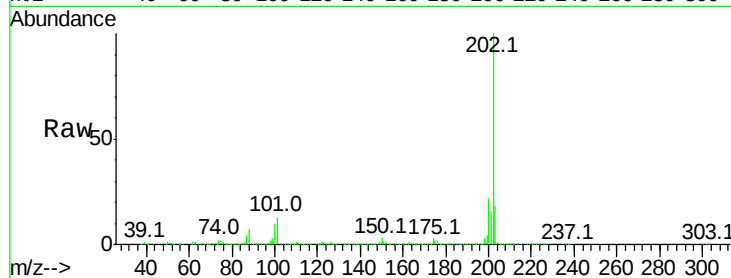
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 3035429

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.1
203	18.2	0.0	38.1

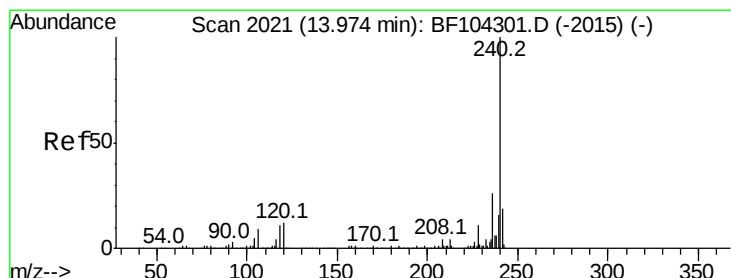
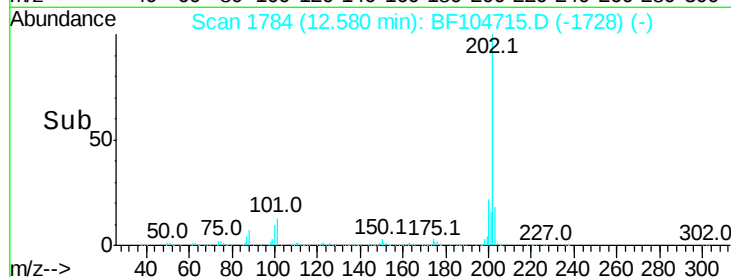
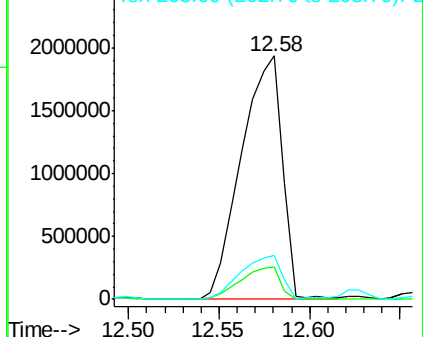


Abundance

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: 14.00 min Scan# 2026

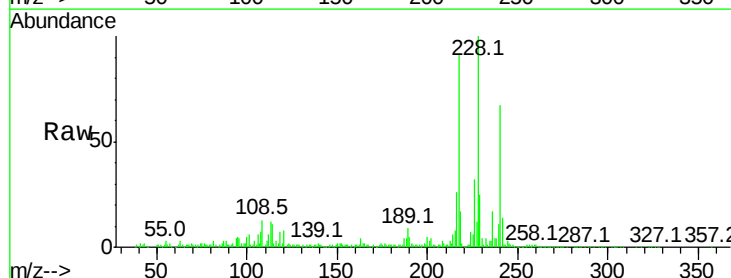
Delta R.T. 0.02 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Tgt Ion:240 Resp: 167523

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.5	14.3
236	25.6	20.7	31.1

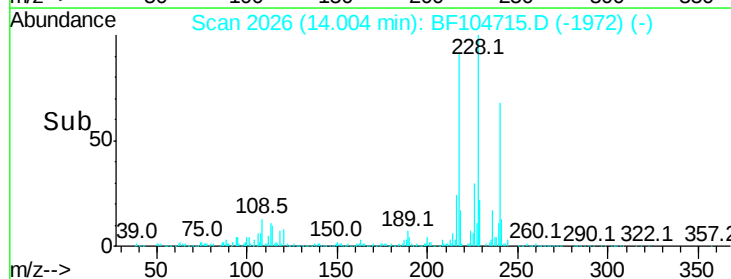
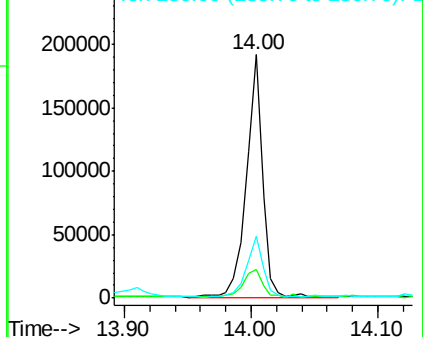


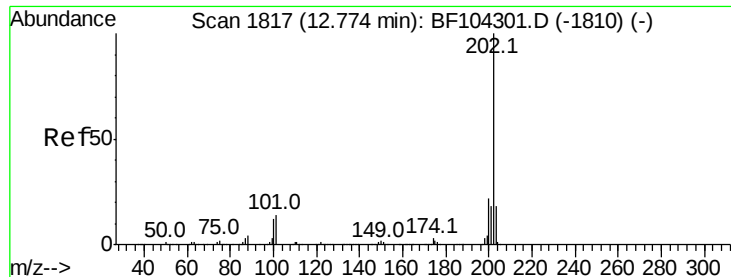
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 220.740 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.03 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampleId :

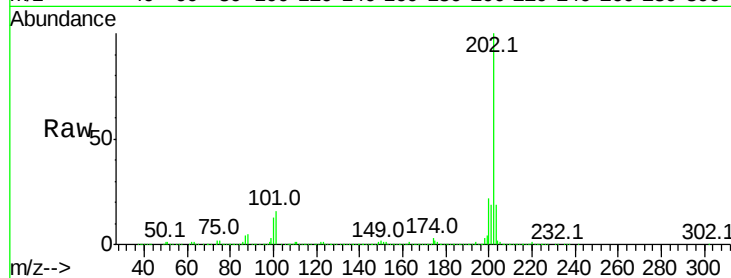
Tot Ion:202 Resp: 2741019

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.4	26.2
203	19.1	14.3	21.5

202 100

200 22.3 17.4 26.2

203 19.1 14.3 21.5

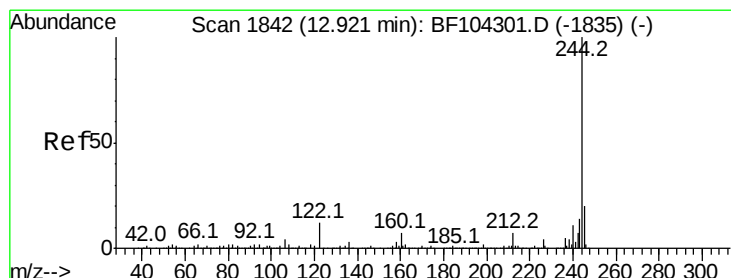
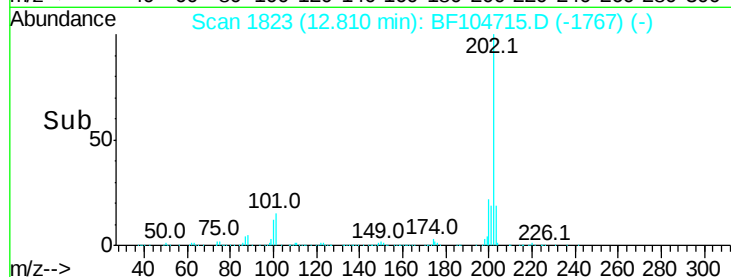
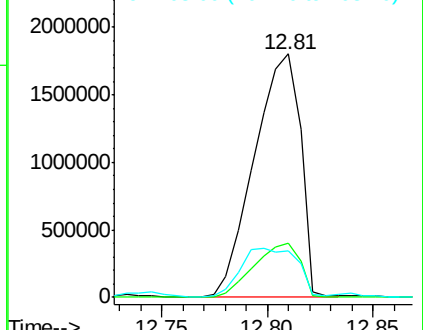


Abundance

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: 84.927 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

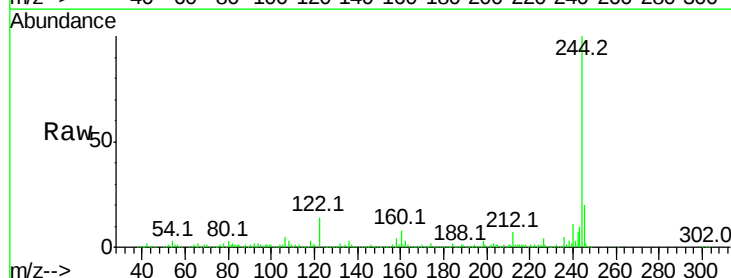
Tgt Ion:244 Resp: 624050

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.5	11.0	16.4

244 100

212 7.0 5.4 8.0

122 13.5 11.0 16.4

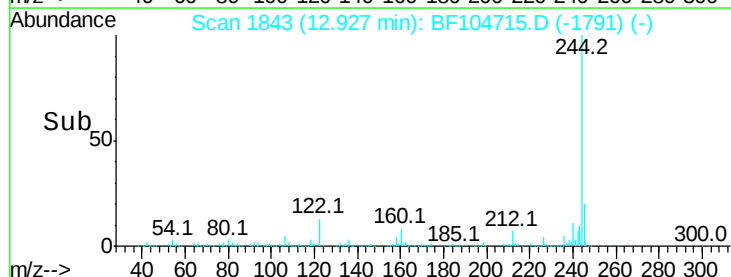
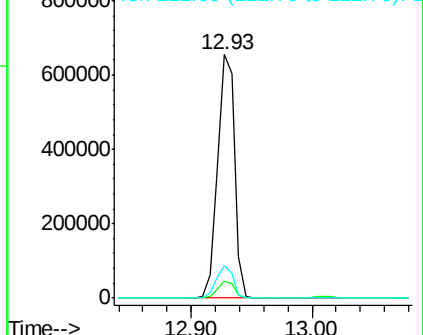


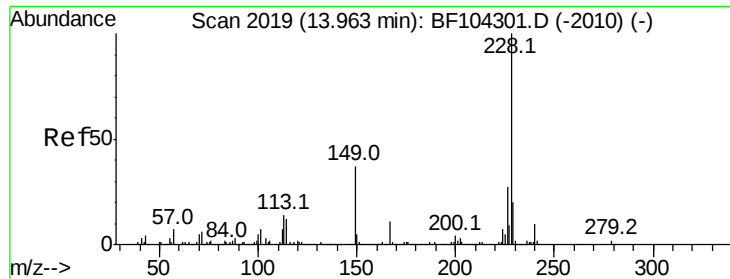
Abundance

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: 159.167 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampleId :

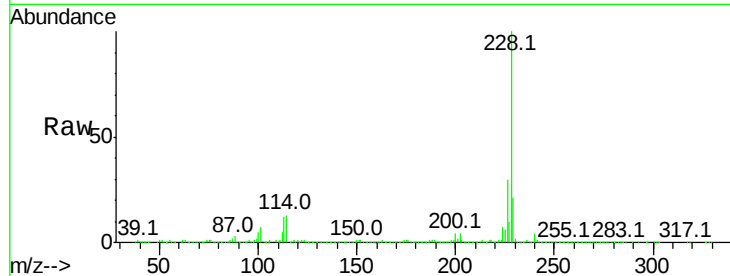
Tot Ion:228 Resp: 1592942

Ion Ratio Lower Upper

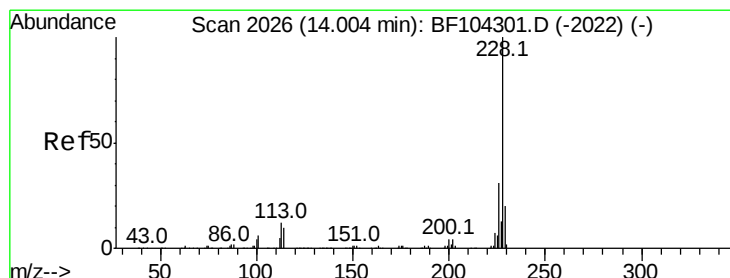
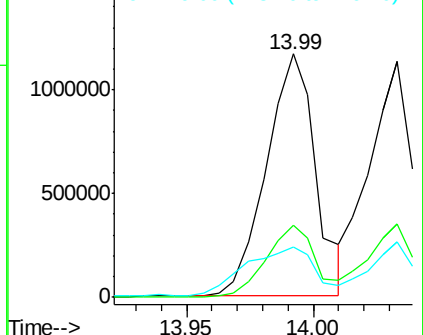
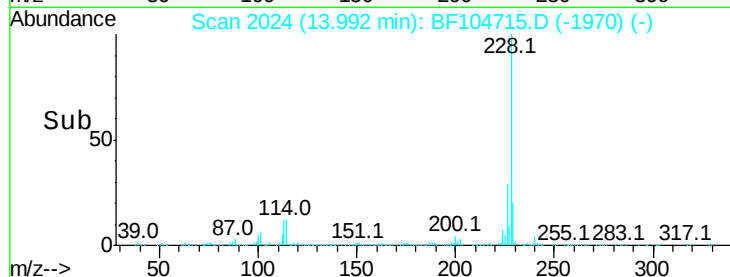
228 100

226 29.6 22.6 33.8

229 20.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 125.967 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.02 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

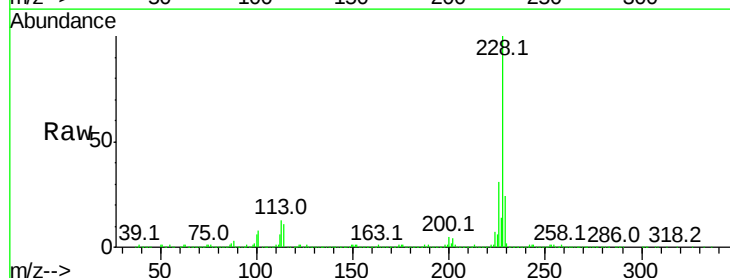
Tgt Ion:228 Resp: 1294911

Ion Ratio Lower Upper

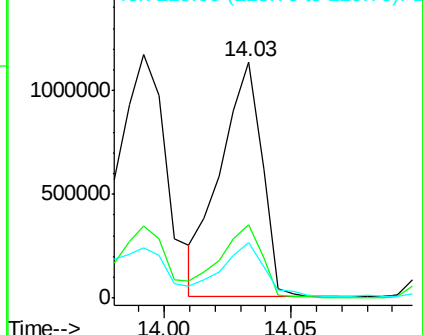
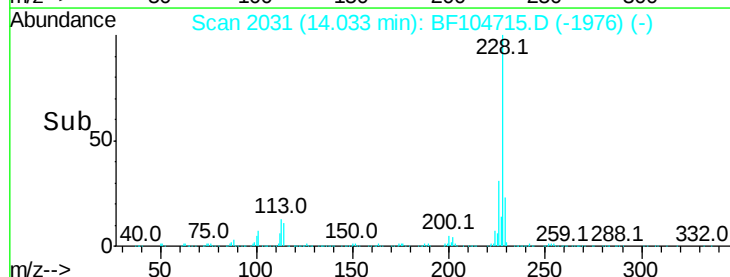
228 100

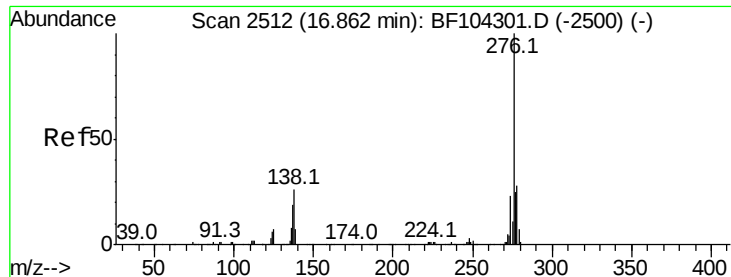
226 31.2 25.0 37.6

229 23.5 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

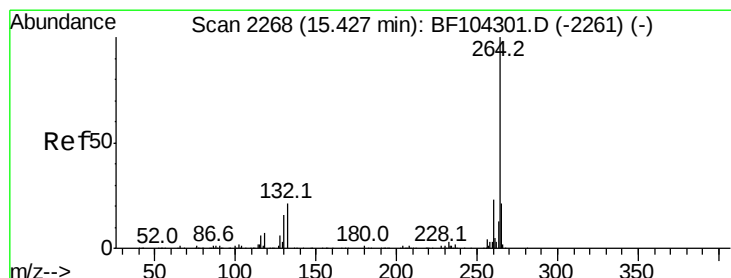
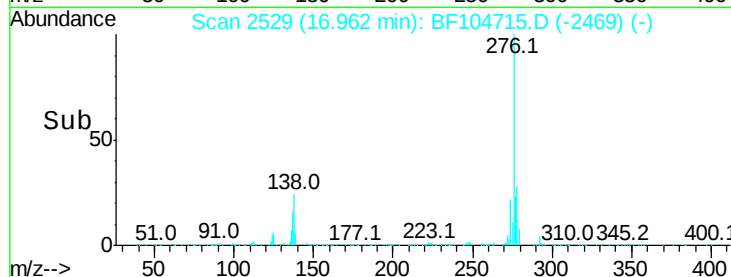
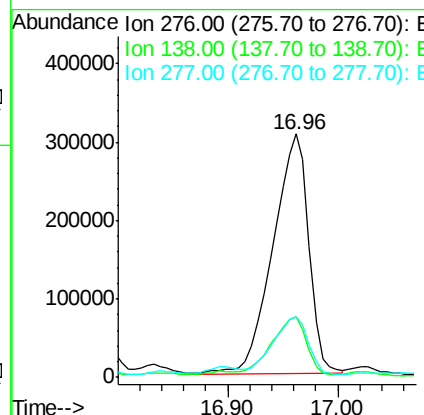
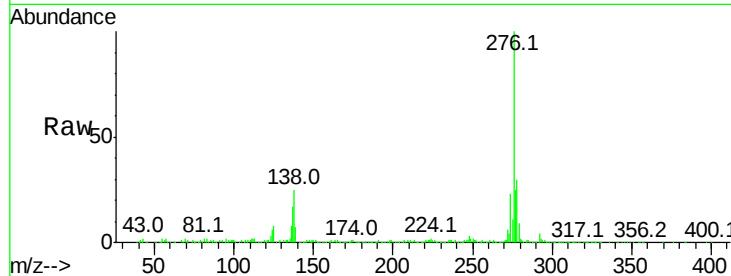




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 79.231 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. 0.05 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

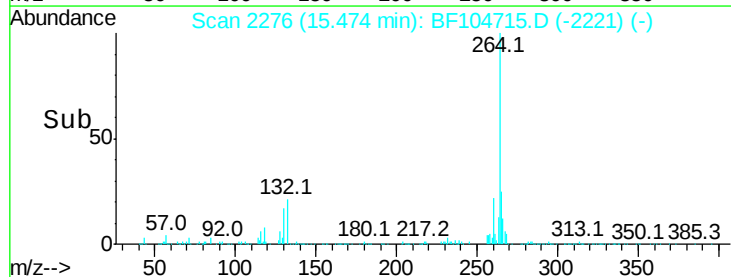
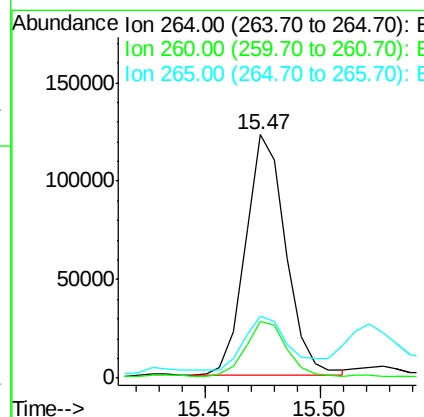
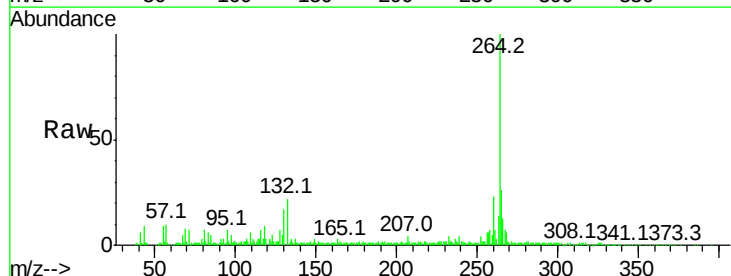
Instrument :
 BNA_F
 ClientSampleId :

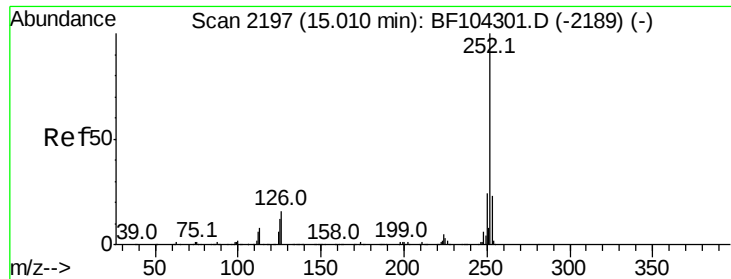
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	25.0	37.6#
277	23.8	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.02 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	25.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 213.507 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.03 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

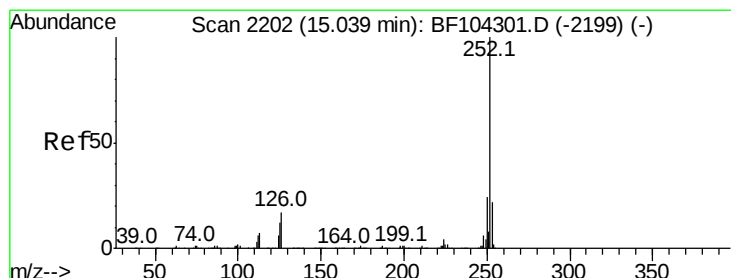
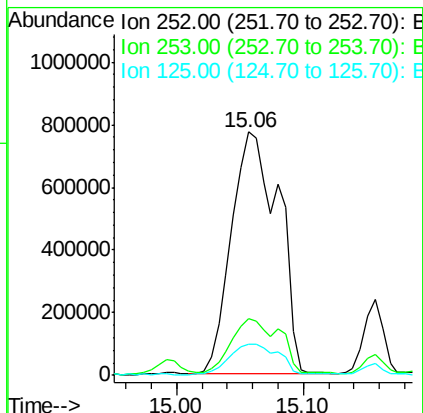
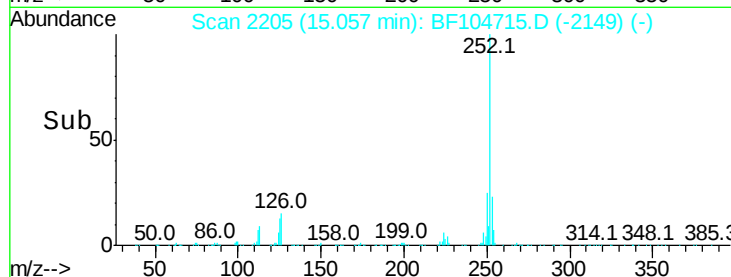
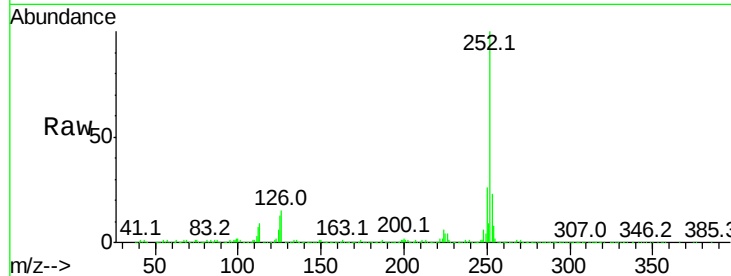
Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 2003830

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	13.0	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 226.151 ng

RT: 15.06 min Scan# 2205

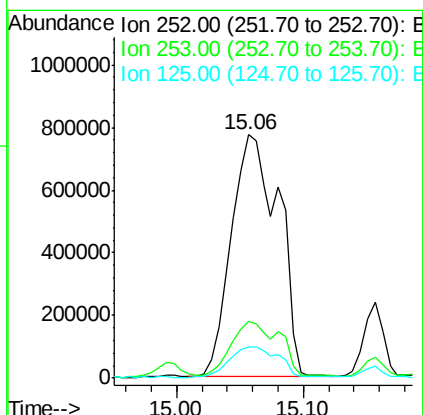
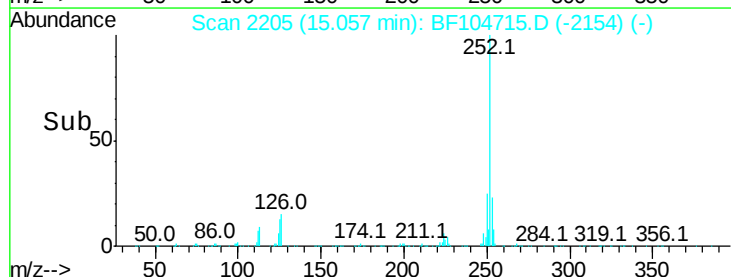
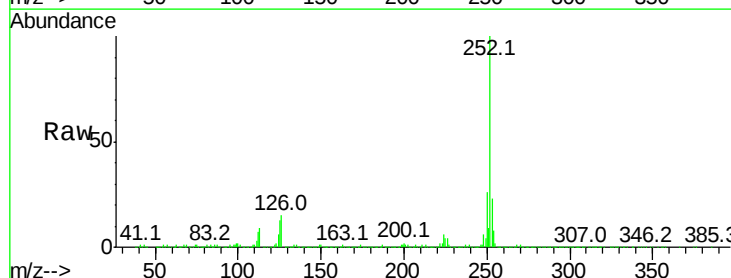
Delta R.T. -0.00 min

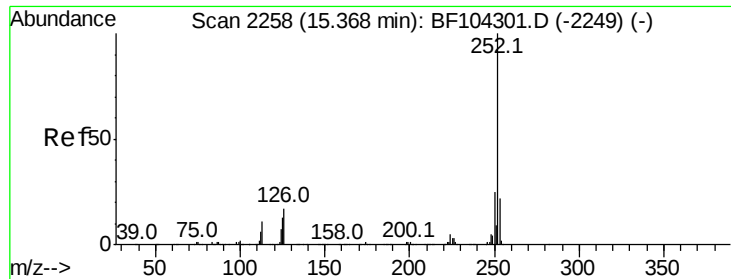
Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Tgt Ion:252 Resp: 2003830

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	13.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 123.738 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.04 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampled :

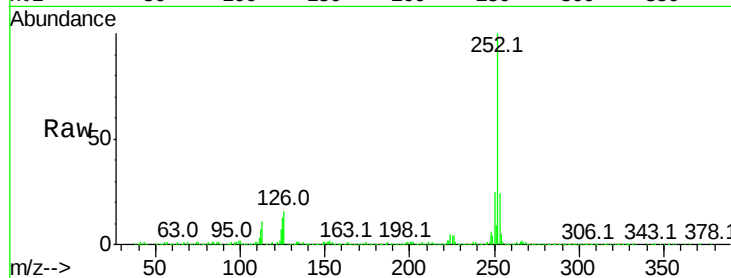
Tot Ion:252 Resp: 1039089

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

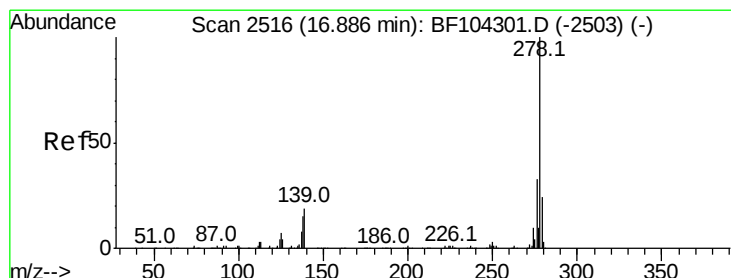
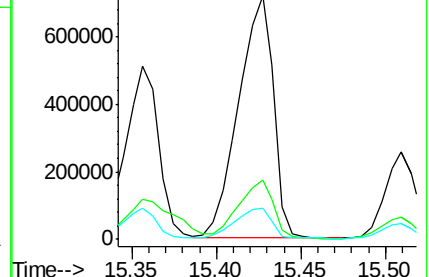
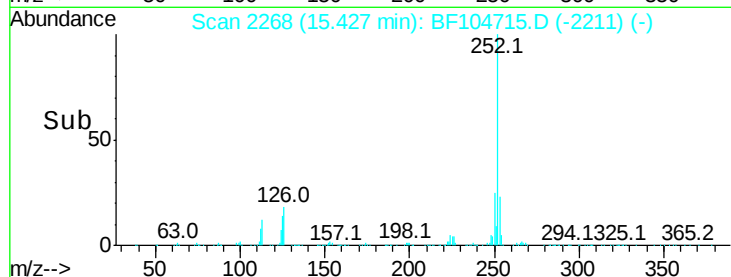
125 13.1 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 22.204 ng

RT: 17.12 min Scan# 2556

Delta R.T. 0.19 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

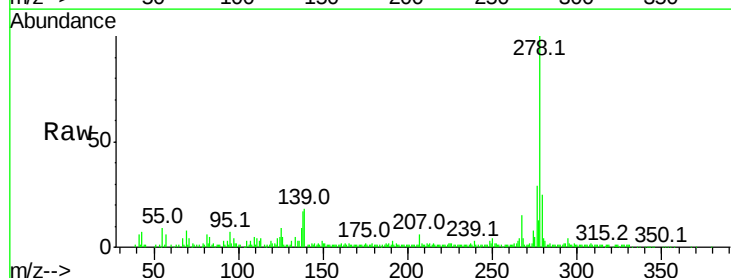
Tgt Ion:278 Resp: 153142

Ion Ratio Lower Upper

278 100

139 18.1 15.9 23.9

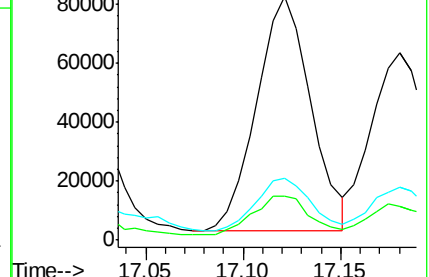
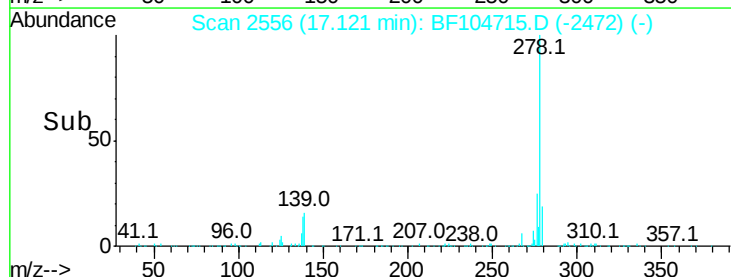
279 25.4 19.0 28.4

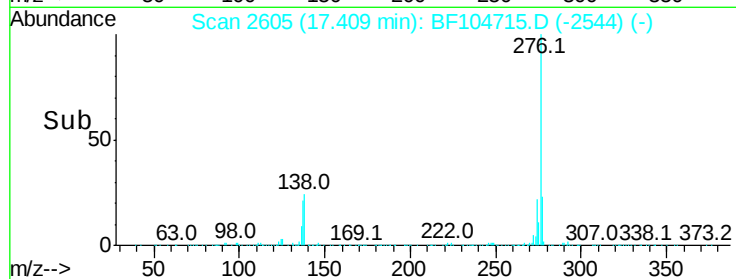
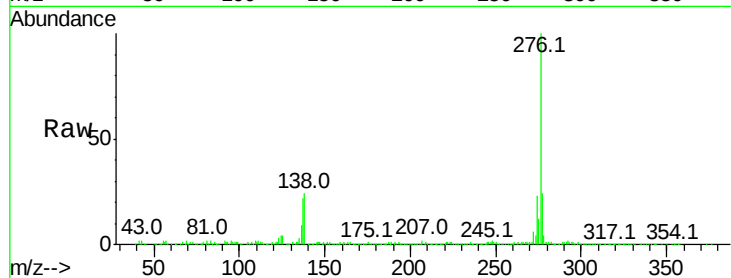
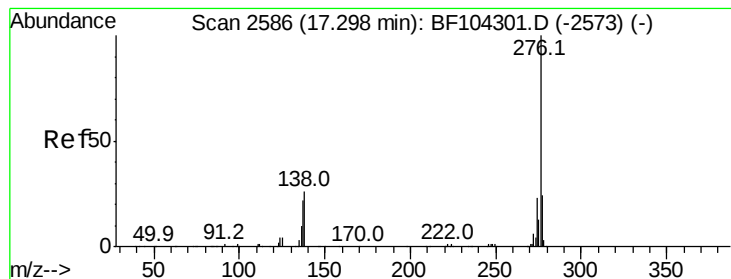


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 95.046 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.06 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 635092

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 24.2 21.8 32.8

