

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104456.D
 Acq On : 12 Apr 2018 17:35
 Operator : JU/SJ
 Sample : J2163-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 00:15:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	135641	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	538084	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	220018	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	322630	20.00	ng	0.00
75) Chrysene-d12	14.00	240	216531	20.00	ng	0.00
86) Perylene-d12	15.46	264	194785	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	449991	50.73	ng	0.00
7) Phenol-d6	6.43	99	533464	48.94	ng	-0.01
23) Nitrobenzene-d5	7.37	82	312993	37.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	94529	41.42	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	520813	37.39	ng	0.00
78) Terphenyl-d14	12.93	244	369783	38.93	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.44	77	999	Below Cal	#	1
10) Phenol	6.45	94	28030	2.424	ng	96
19) n-Nitroso-di-n-propylamine	7.37	70	40942	5.748	ng	# 73
25) Isophorone	7.37	82	312989	17.962	ng	# 64
31) Naphthalene	8.12	128	312080	11.648	ng	99
33) 4-Chloroaniline	8.12	127	39768	3.464	ng	# 33
35) Caprolactam	8.80	113	7374	2.881	ng	# 1
37) 2-Methylnaphthalene	8.80	142	335555	19.361	ng	98
45) 1,1'-Biphenyl	9.27	154	93335	5.050	ng	97
48) Acenaphthylene	9.71	152	124596	5.440	ng	# 91
49) Dimethylphthalate	9.56	163	38679	2.229	ng	99
51) Acenaphthene	9.89	154	395817	28.322	ng	97
53) 2,4-Dinitrophenol	10.14	184	264	5.426	ng	# 1
54) Dibenzofuran	10.06	168	257208	13.206	ng	# 97
55) 4-Nitrophenol	9.95	139	9133	3.093	ng	# 28
57) Fluorene	10.40	166	740815	52.257	ng	99
61) 4-Nitroaniline	10.40	138	8369	2.277	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.63	198	114	7.408	ng	# 1
65) n-Nitrosodiphenylamine	10.51	169	23900	2.137	ng	# 1
70) Phenanthrene	11.38	178	2956690	164.562	ng	99
71) Anthracene	11.43	178	1274391	69.777	ng	100
72) Carbazole	11.57	167	116686	6.538	ng	98
74) Fluoranthene	12.57	202	2641618	140.720	ng	98
76) Benzidine	12.66	184	1349	Below Cal	#	1
77) Pyrene	12.81	202	2920979	181.992	ng	97
80) Benzo(a)anthracene	13.99	228	1669559	129.065	ng	97
82) Chrysene	14.03	228	1529275	115.095	ng	97
85) Indeno(1,2,3-cd)pyrene	16.76	276	97922	8.676	ng	98
87) Benzo(b)fluoranthene	15.04	252	1643410	133.586	ng	# 95
88) Benzo(k)fluoranthene	15.04	252	1643410	141.497	ng	98
89) Benzo(a)pyrene	15.41	252	1000970	90.935	ng	97
90) Dibenzo(a,h)anthracene	16.93	278	142679	15.782	ng	97
91) Benzo(a,h,i)perylene	17.37	276	509634	58.186	ng	96

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 12 17:07:03 2018
Response via : Initial Calibration

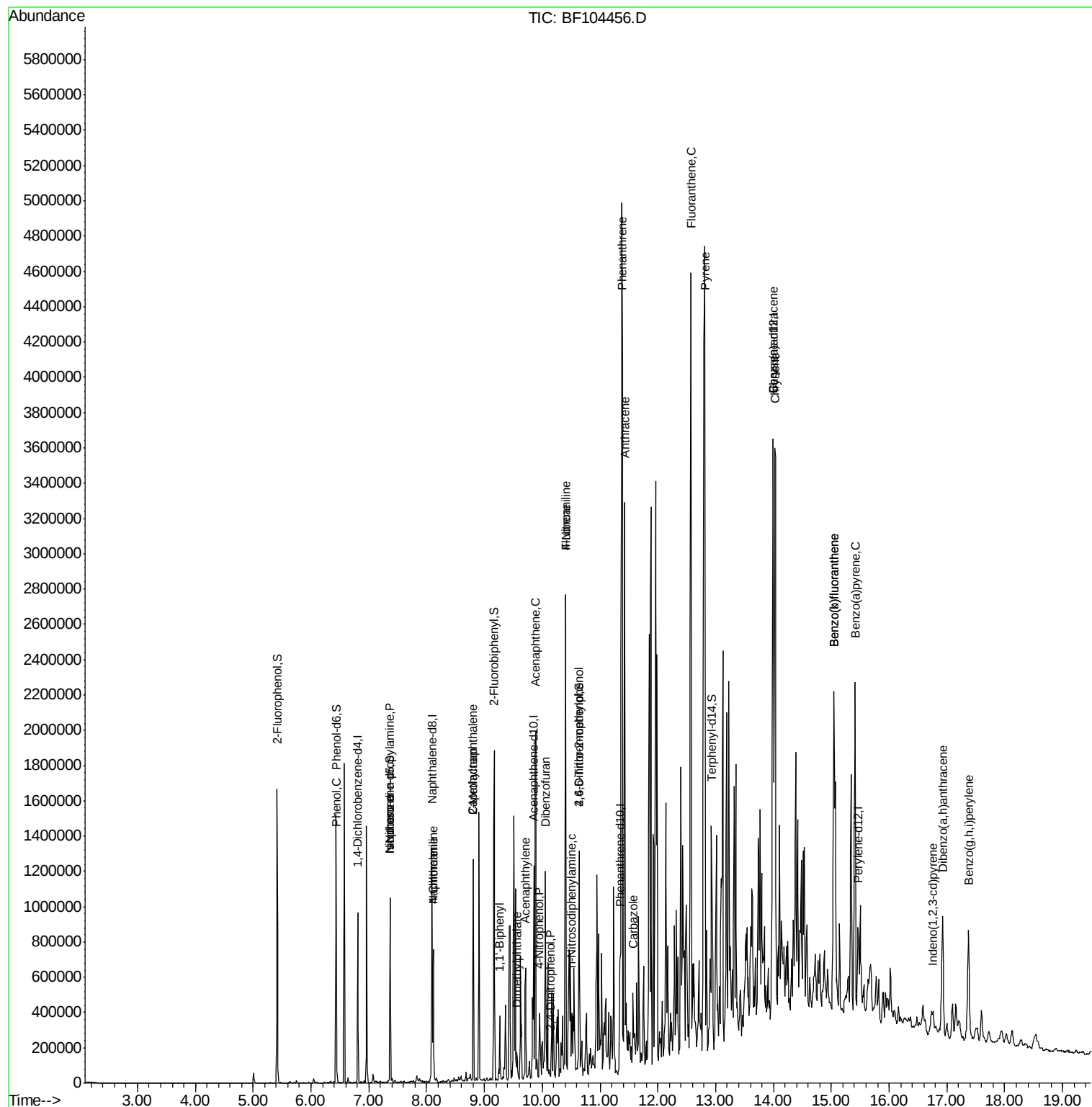
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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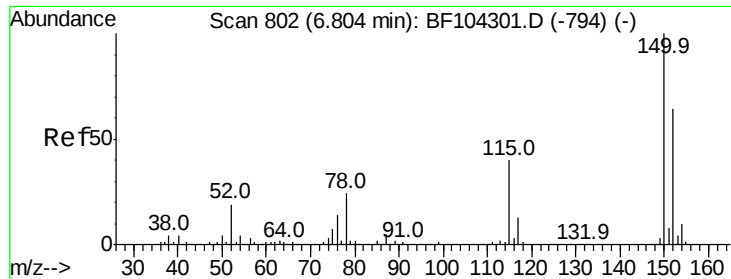
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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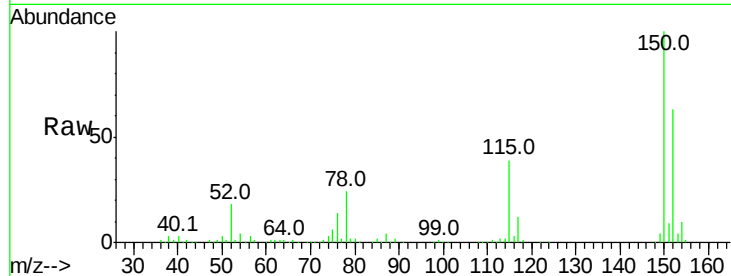


#1

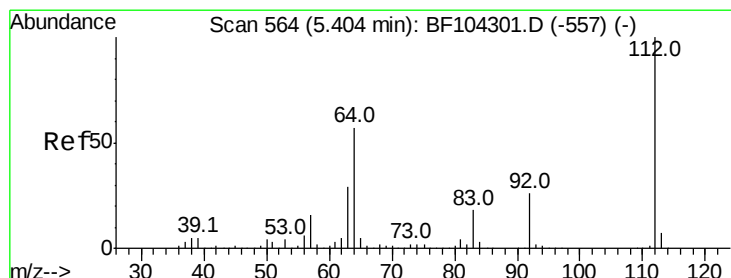
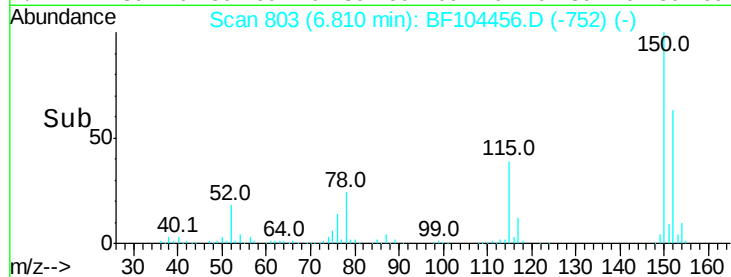
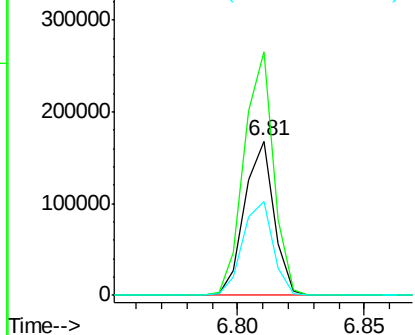
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 135641
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 61.0 50.1 75.1



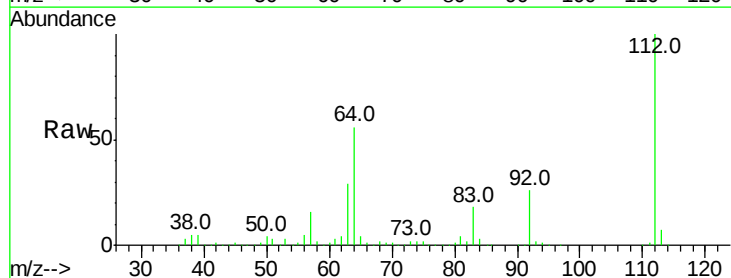
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



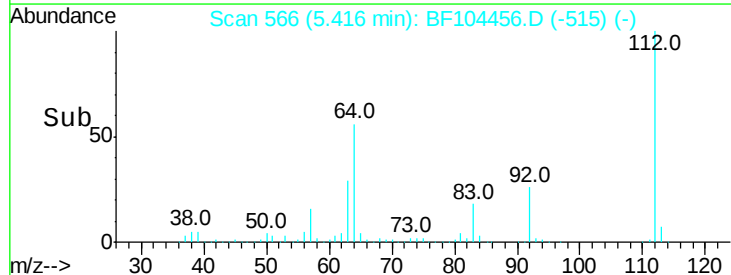
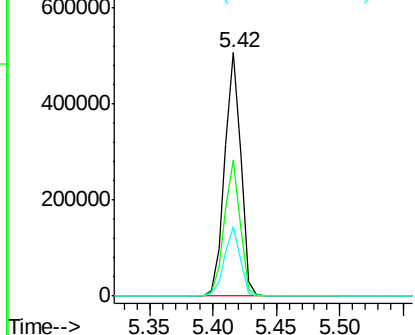
#5

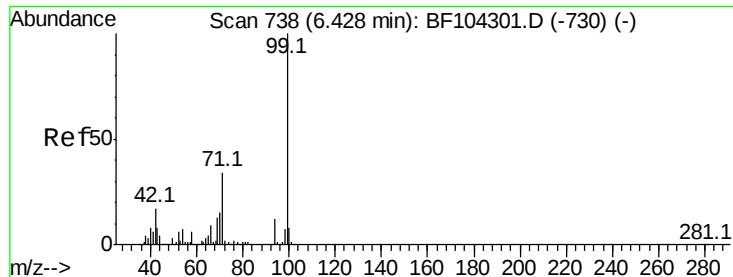
2-Fluorophenol
Concen: 50.727 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

Tgt Ion:112 Resp: 449991
Ion Ratio Lower Upper
112 100
64 55.9 47.9 71.9
63 28.5 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: 48.944 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Instrument :

BNA_F

ClientSampleId :

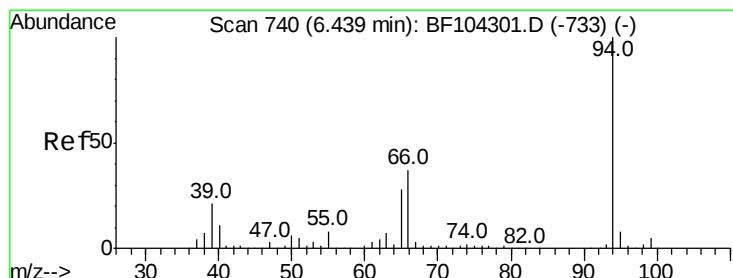
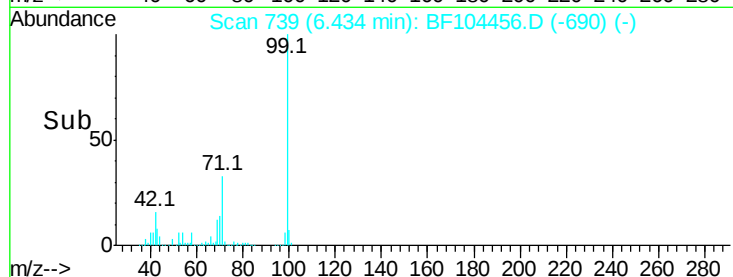
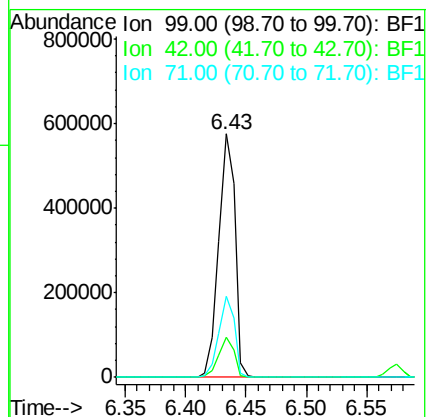
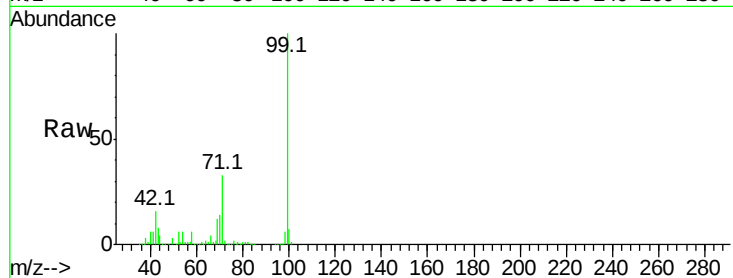
Tot Ion: 99 Resp: 533464

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

71 33.2 25.4 38.0



#10

Phenol

Concen: 2.424 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

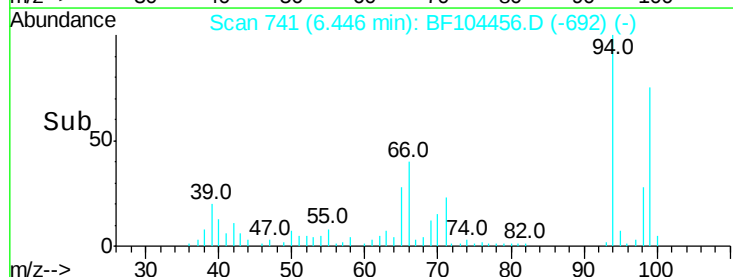
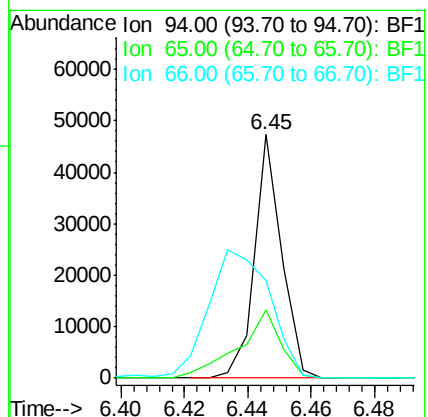
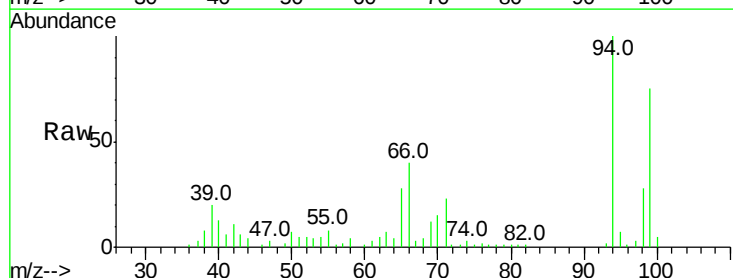
Tgt Ion: 94 Resp: 28030

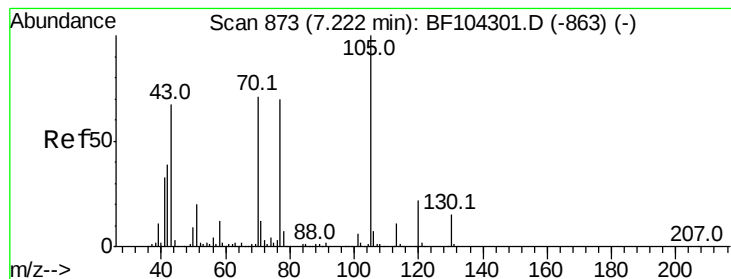
Ion Ratio Lower Upper

94 100

65 27.9 7.9 47.9

66 39.9 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 5.748 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 40942

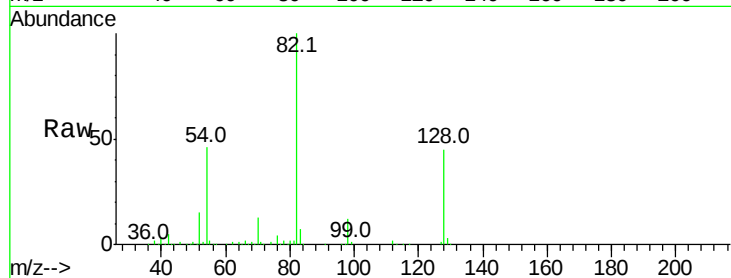
Ion Ratio Lower Upper

70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

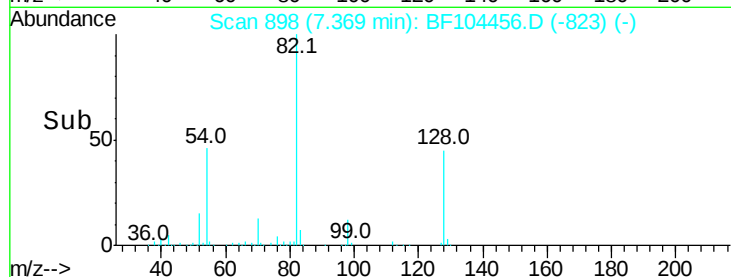
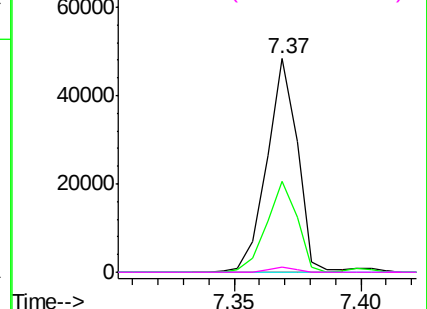


Abundance Ion 70.00 (69.70 to 70.70): BF1

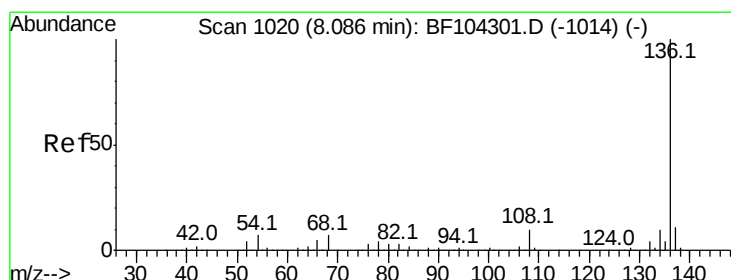
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Scan 898 (7.369 min): BF104456.D (-823) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Tgt Ion: 136 Resp: 538084

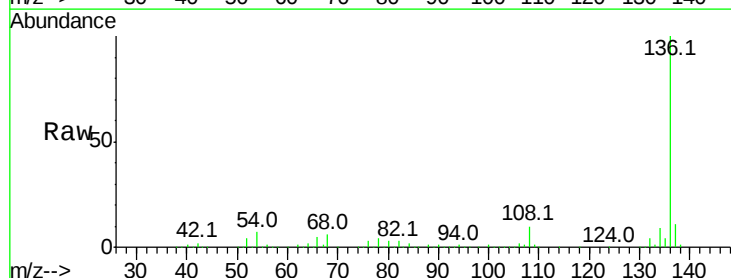
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.9 6.6 9.8

68 5.8 5.0 7.4

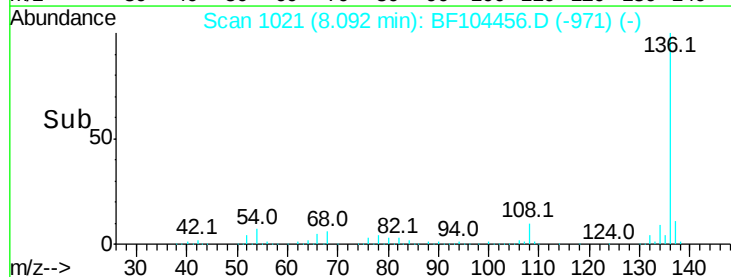
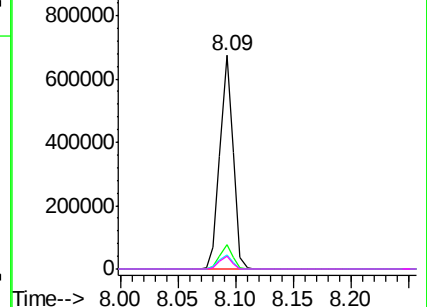


Abundance Ion 136.00 (135.70 to 136.70): BF1

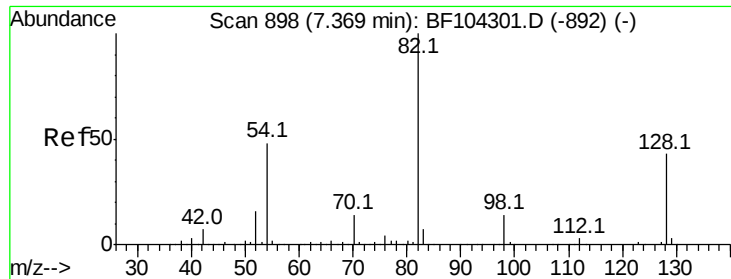
Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



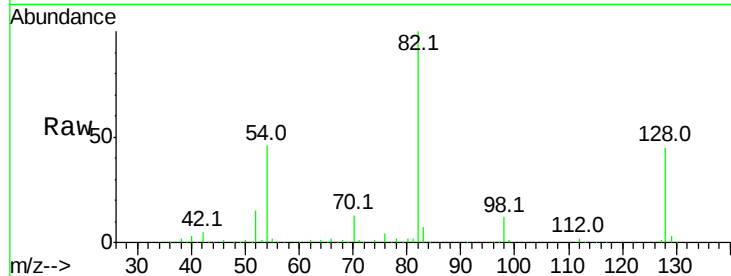
Scan 1021 (8.092 min): BF104456.D (-971) (-)



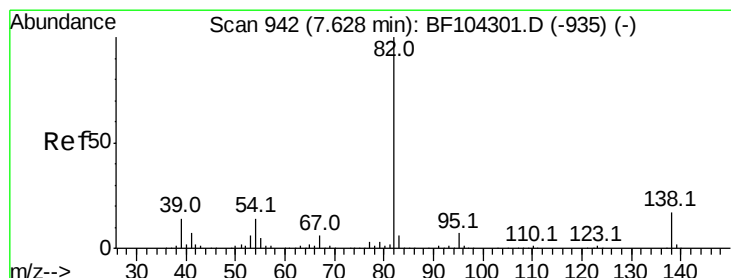
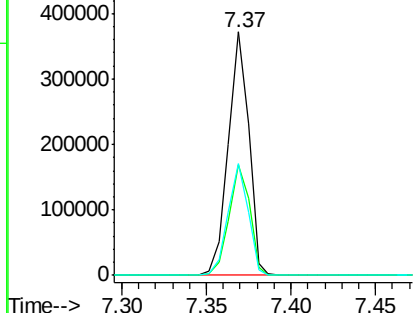
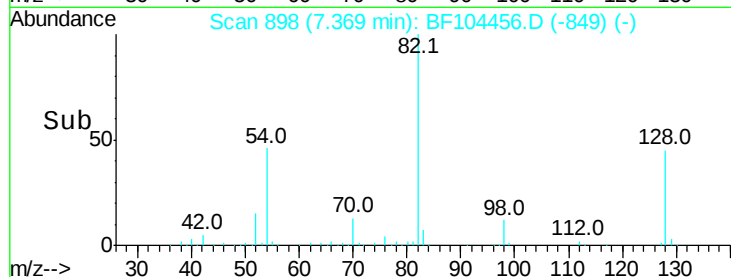
#23
Nitrobenzene-d5
Concen: 37.983 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 312993
Ion Ratio Lower Upper
82 100
128 45.4 36.1 54.1
54 46.2 41.4 62.2

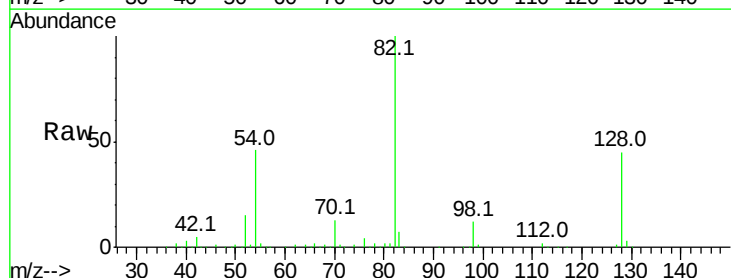


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

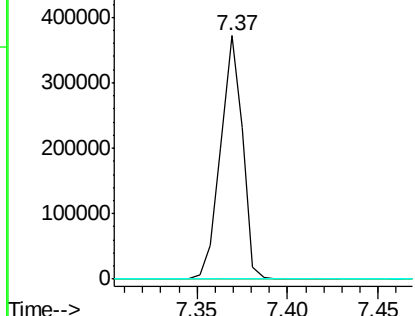
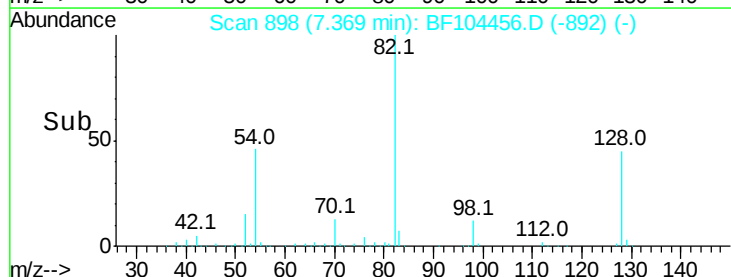


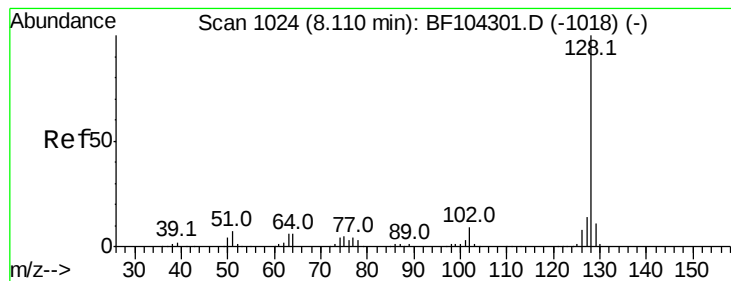
#25
Isophorone
Concen: 17.962 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

Tgt Ion: 82 Resp: 312989
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: 11.648 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Instrument :

BNA_F

ClientSampled :

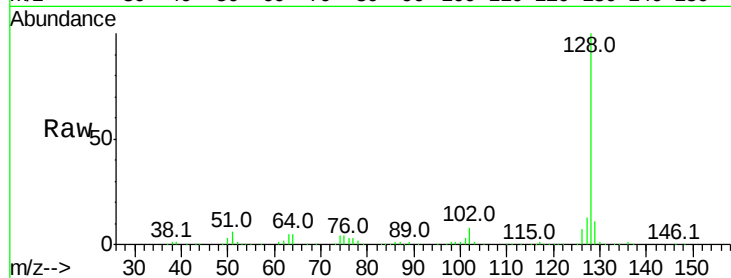
Tot Ion:128 Resp: 312080

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

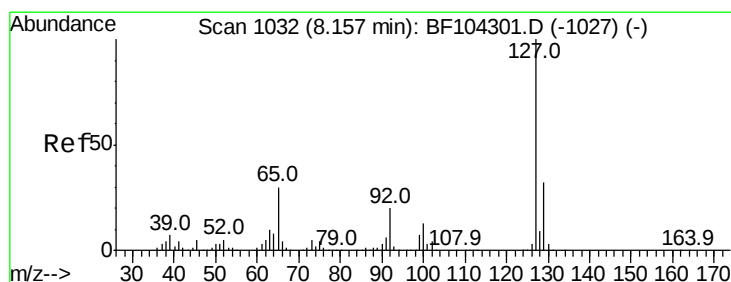
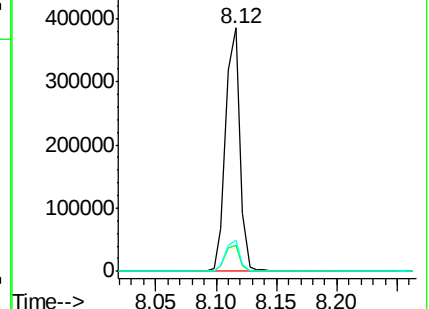
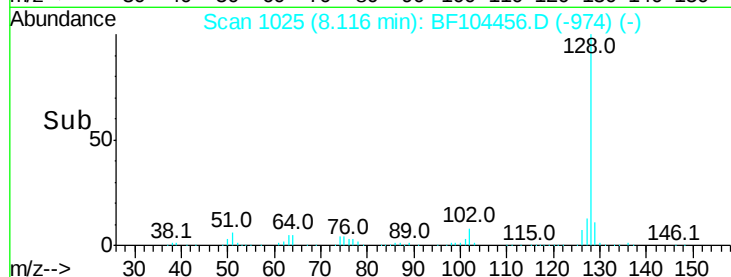
127 12.8 10.9 16.3



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: 3.464 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.05 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Tgt Ion:127 Resp: 39768

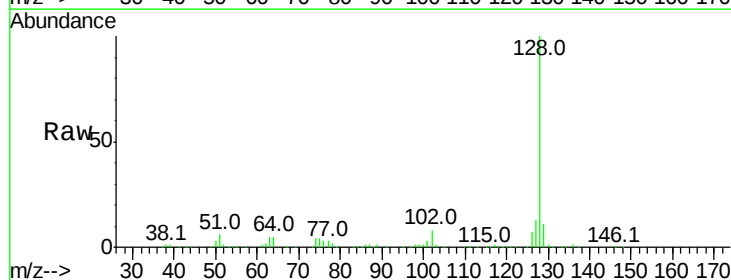
Ion Ratio Lower Upper

127 100

129 83.6 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

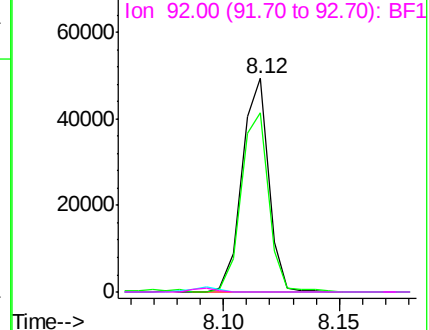
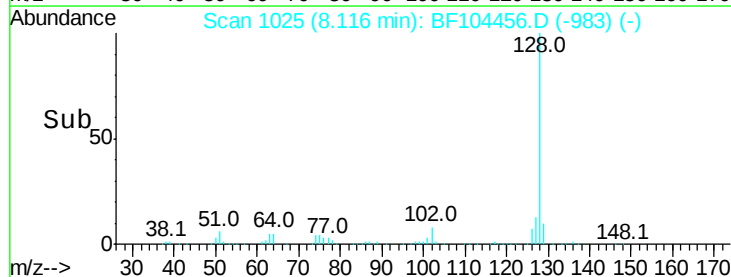


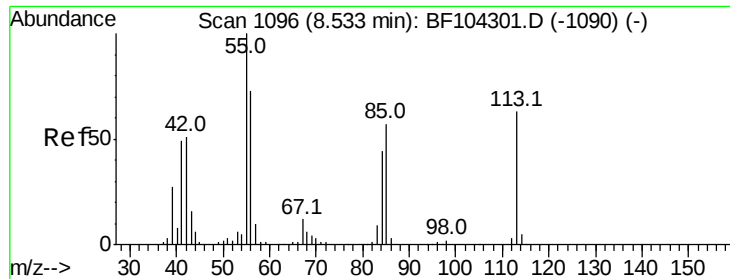
Abundance Ion 127.00 (126.70 to 127.70): E

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

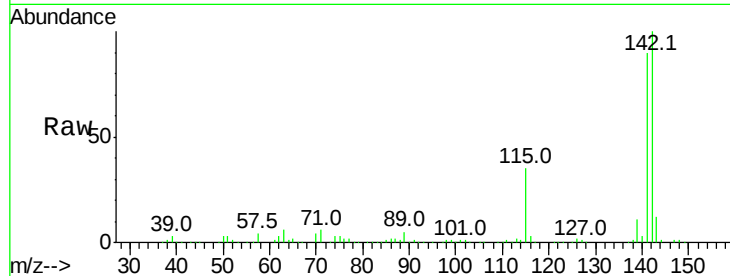




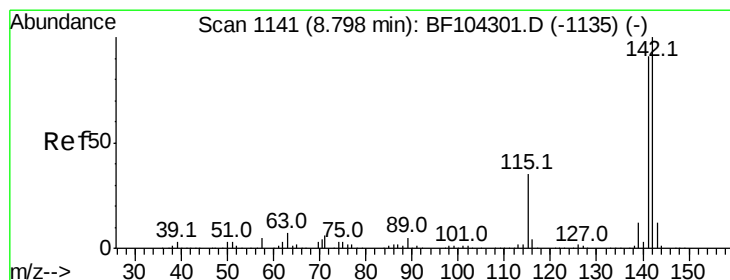
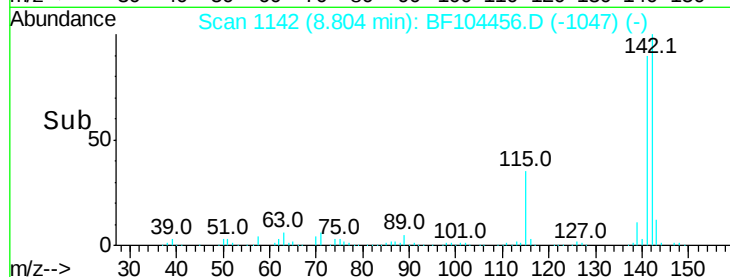
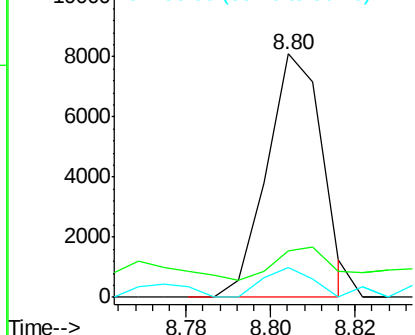
#35
Caprolactam
Concen: 2.881 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.26 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 7374
Ion Ratio Lower Upper
113 100
55 18.8 163.3 203.3#
56 12.3 115.7 155.7#

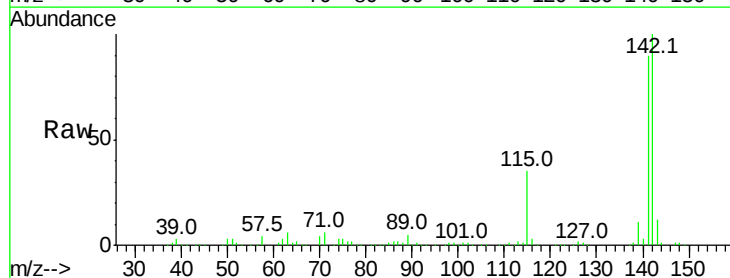


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

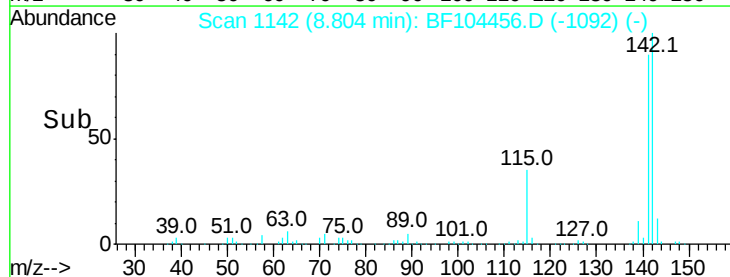
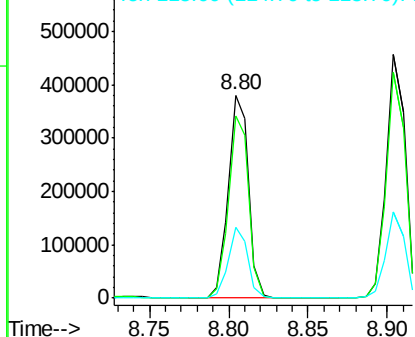


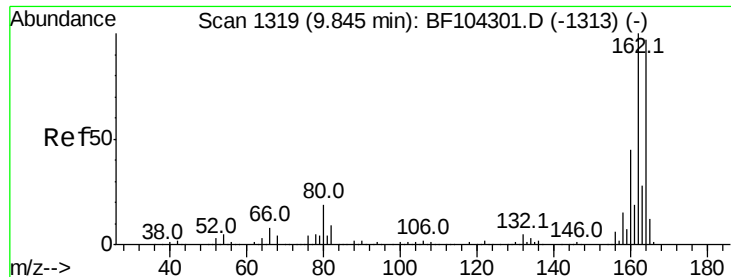
#37
2-Methylnaphthalene
Concen: 19.361 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

Tgt Ion:142 Resp: 335555
Ion Ratio Lower Upper
142 100
141 89.5 70.8 106.2
115 34.9 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

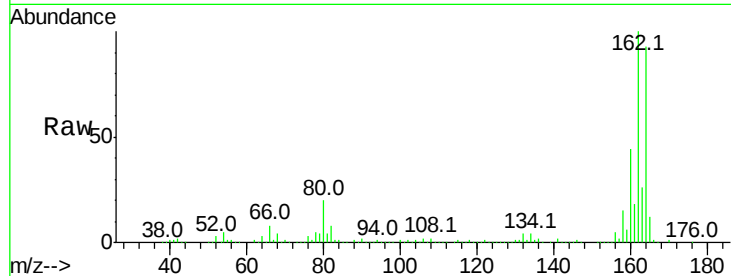




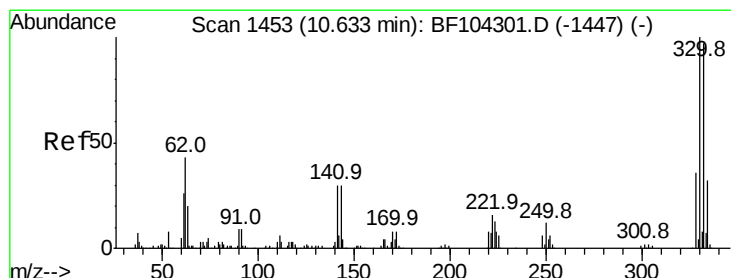
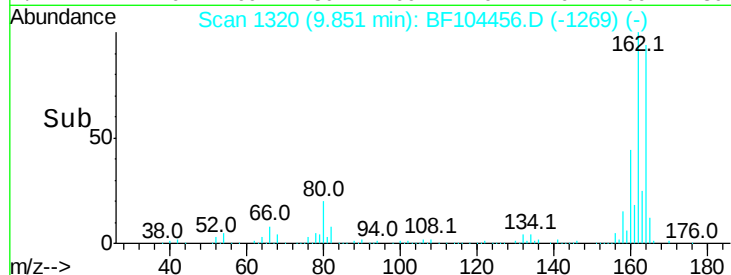
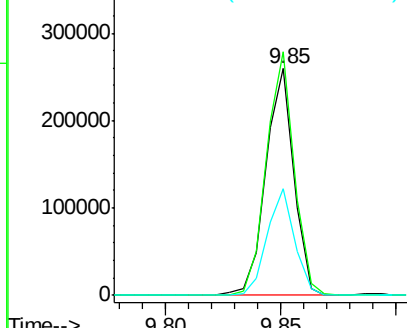
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 220018
Ion Ratio Lower Upper
164 100
162 107.4 86.1 129.1
160 46.9 38.3 57.5

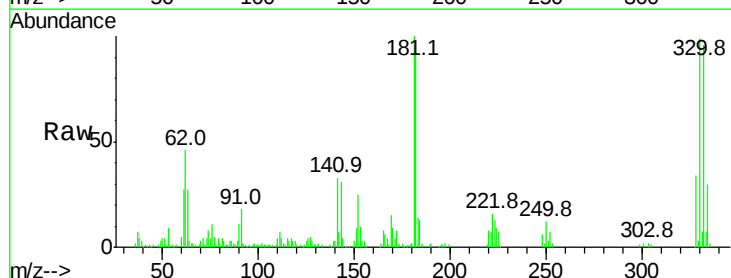


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

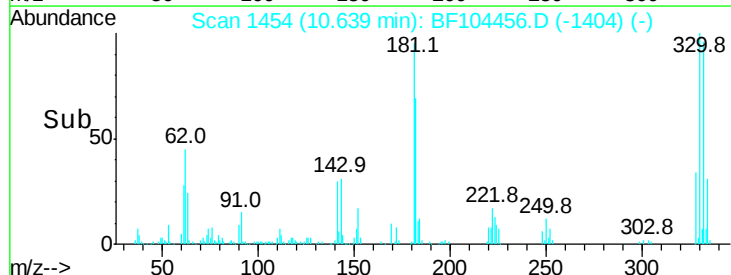
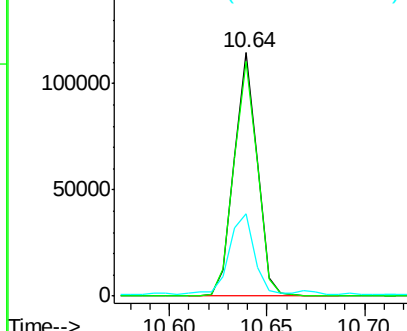


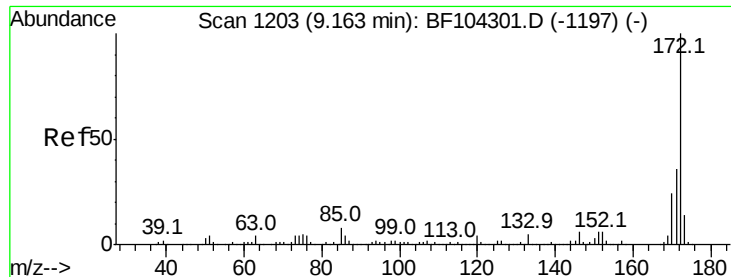
#41
2,4,6-Tribromophenol
Concen: 41.418 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

Tgt Ion:330 Resp: 94529
Ion Ratio Lower Upper
330 100
332 98.0 77.0 115.6
141 36.4 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

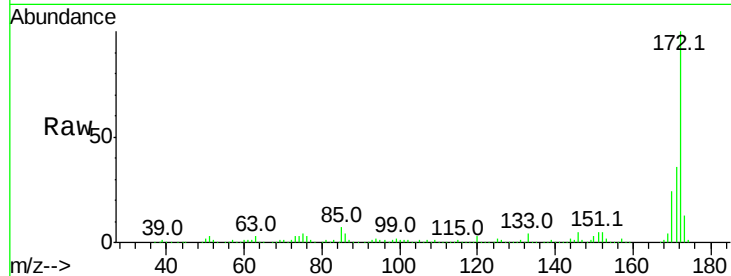




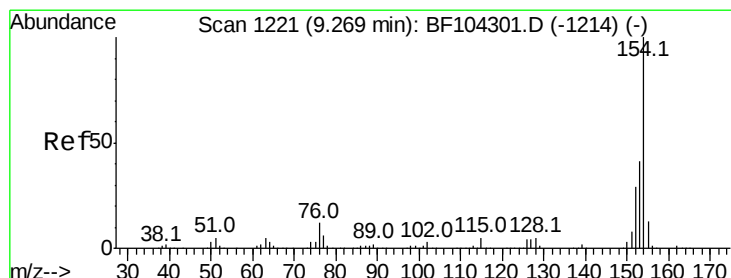
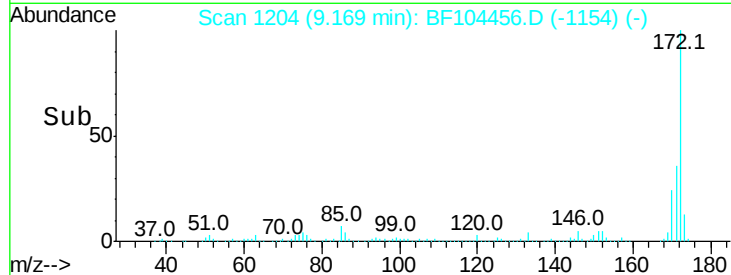
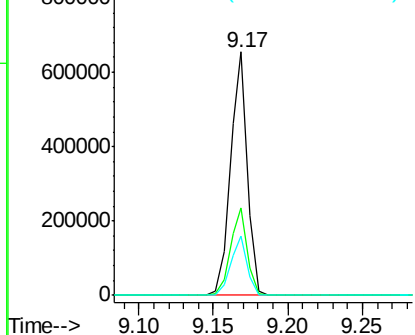
#44
 2-Fluorobiphenyl
 Concen: 37.395 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104456.D
 Acq: 12 Apr 2018 17:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.2	19.6	29.4

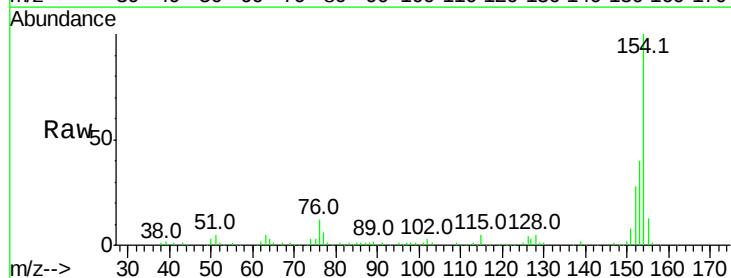


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

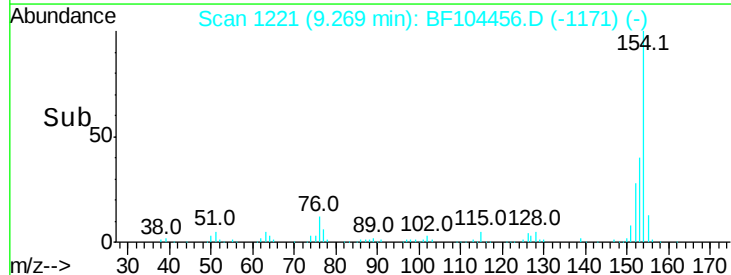
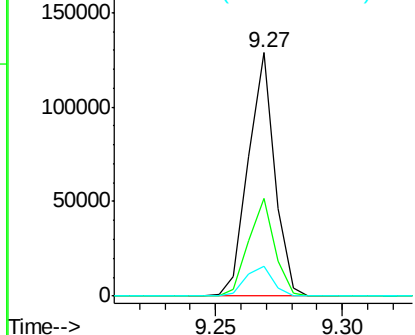


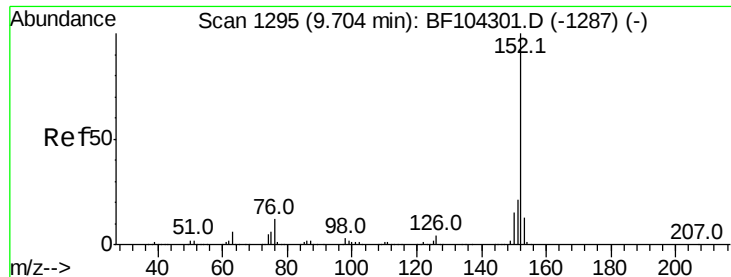
#45
 1,1'-Biphenyl
 Concen: 5.050 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF104456.D
 Acq: 12 Apr 2018 17:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.9	21.3	61.3
76	12.4	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





#48

Acenaphthylene

Concen: 5.440 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Instrument :

BNA_F

ClientSampleId :

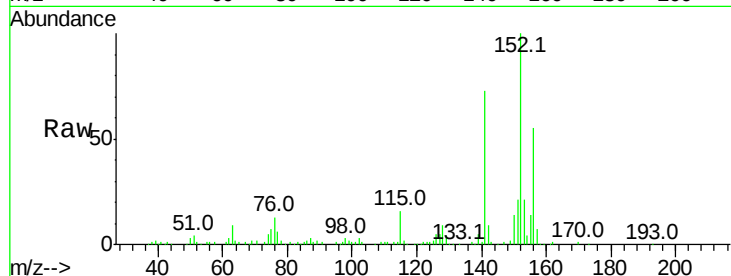
Tot Ion:152 Resp: 124596

Ion Ratio Lower Upper

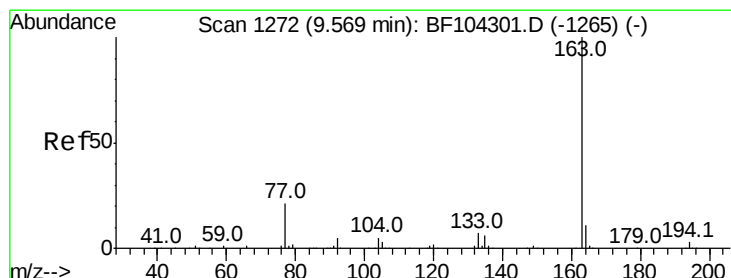
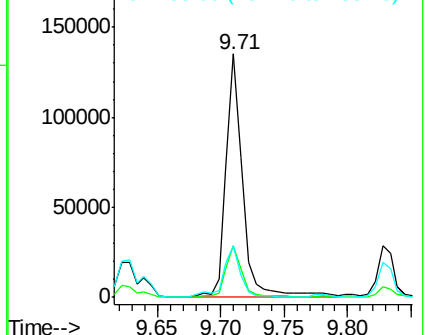
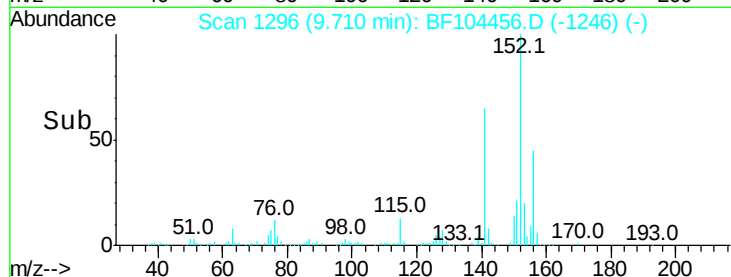
152 100

151 21.2 16.3 24.5

153 21.1 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: 2.229 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

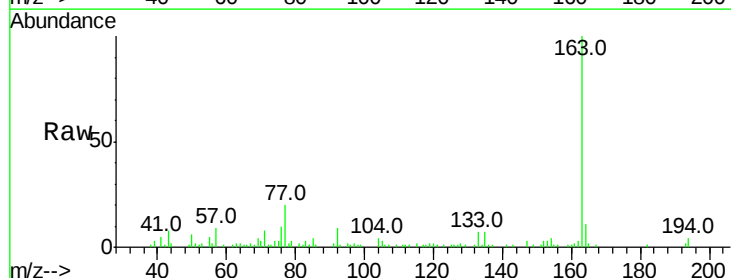
Tgt Ion:163 Resp: 38679

Ion Ratio Lower Upper

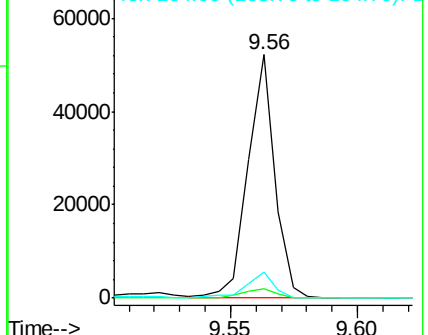
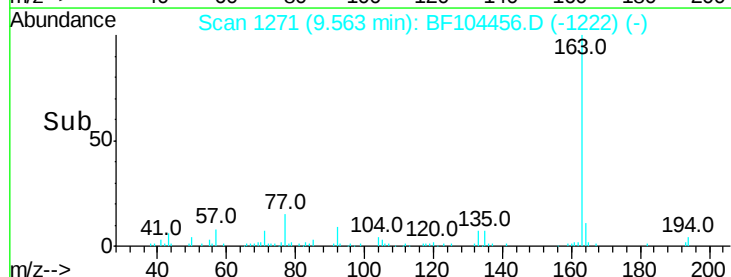
163 100

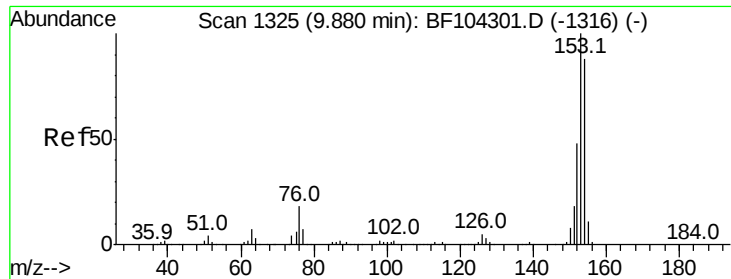
194 3.6 2.7 4.1

164 10.8 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

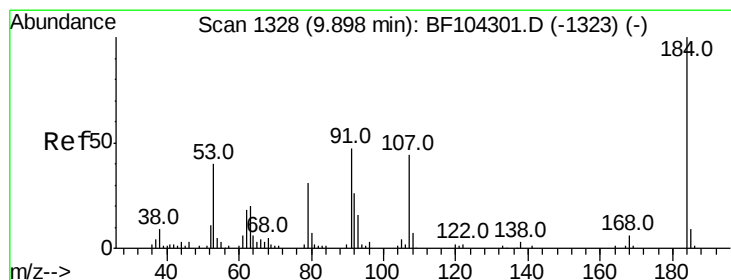
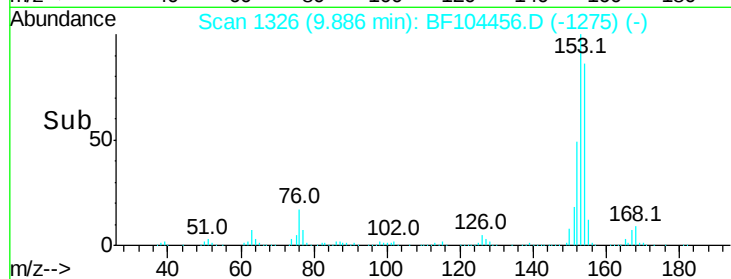
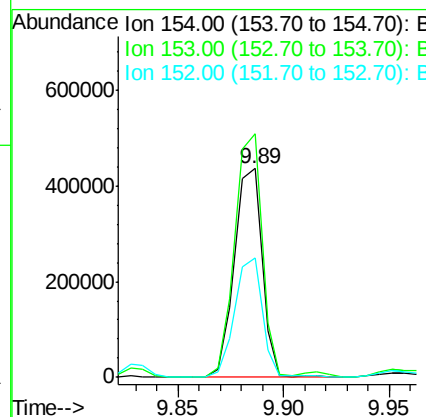
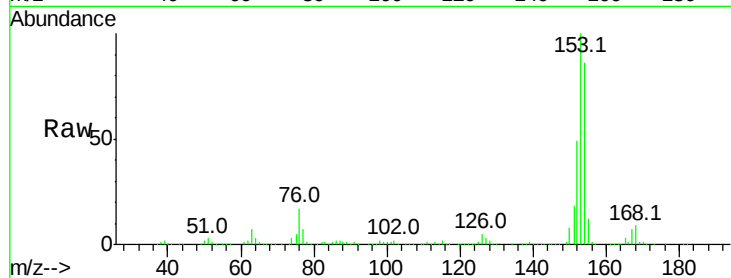




#51
Acenaphthene
Concen: 28.322 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

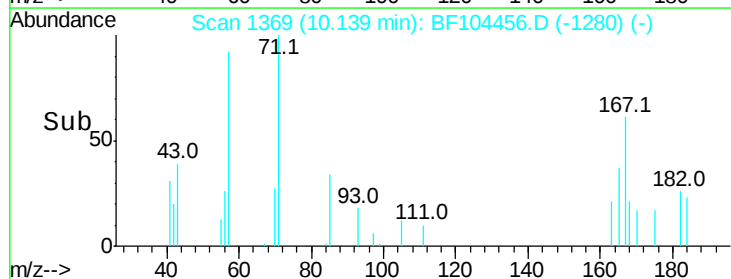
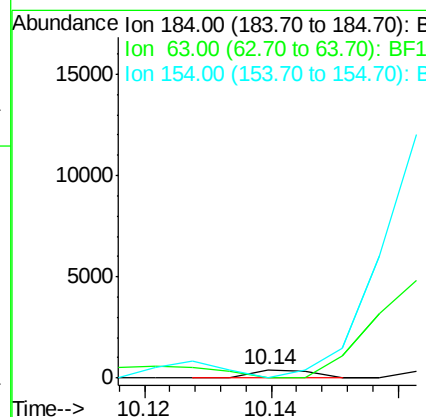
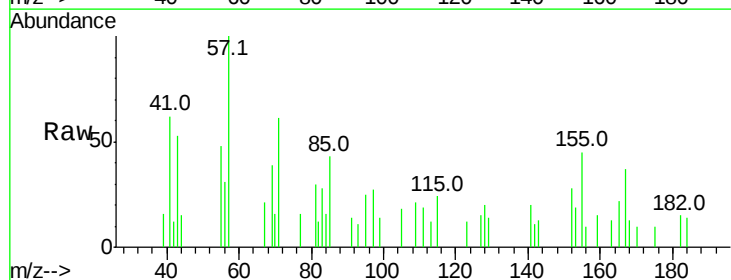
Instrument :
BNA_F
ClientSampleId :

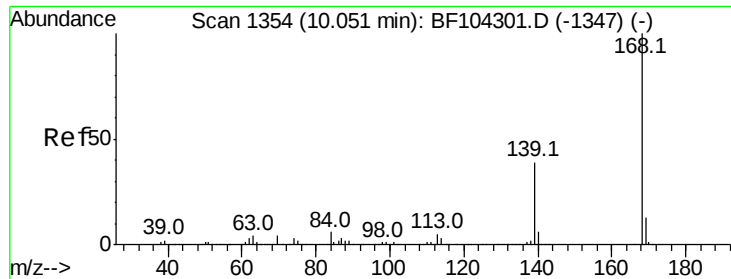
Tot Ion:154 Resp: 395817
Ion Ratio Lower Upper
154 100
153 116.7 91.2 136.8
152 57.5 43.8 65.8



#53
2,4-Dinitrophenol
Concen: 5.426 ng
RT: 10.14 min Scan# 1369
Delta R.T. 0.22 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

Tgt Ion:184 Resp: 264
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 184.0 276.0#





#54

Dibenzofuran

Concen: 13.206 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Instrument :

BNA_F

ClientSampleId :

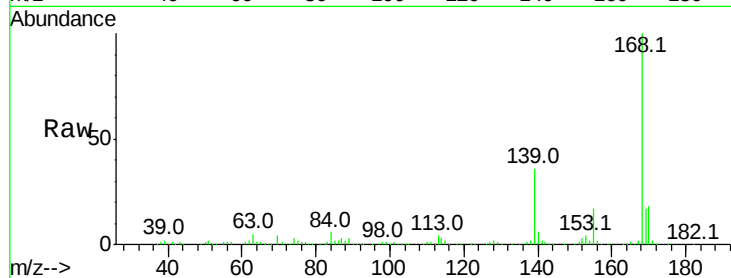
Tot Ion:168 Resp: 257208

Ion Ratio Lower Upper

168 100

139 36.3 30.1 45.1

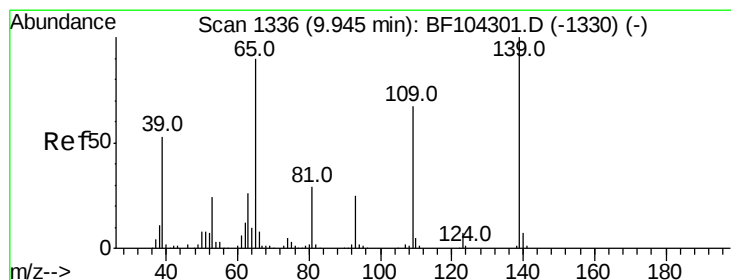
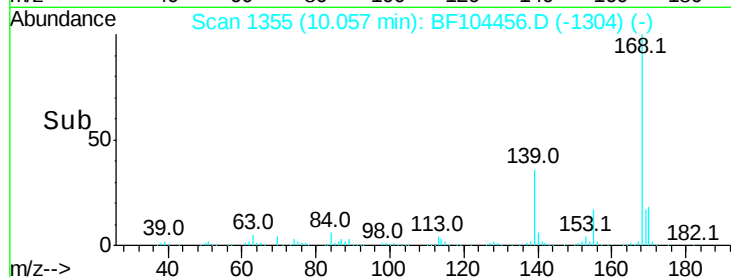
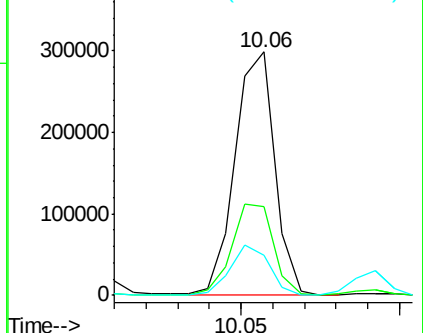
169 16.5 10.9 16.3#



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: 3.093 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

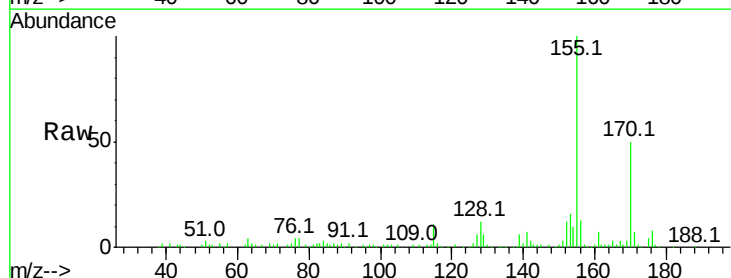
Tgt Ion:139 Resp: 9133

Ion Ratio Lower Upper

139 100

109 13.3 48.4 88.4#

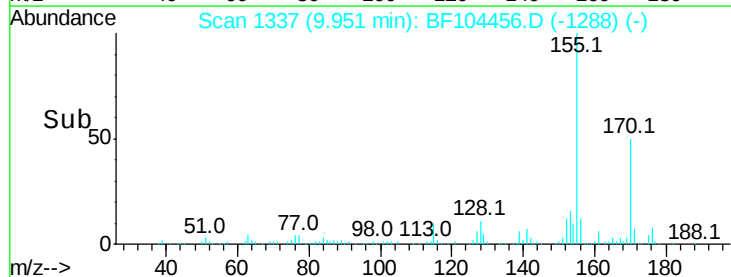
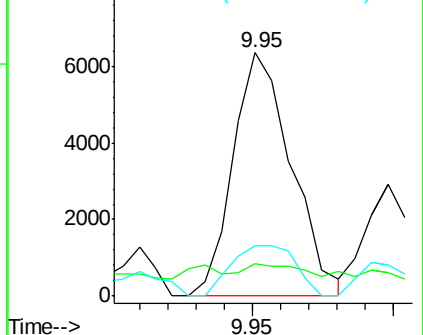
65 20.6 72.6 112.6#

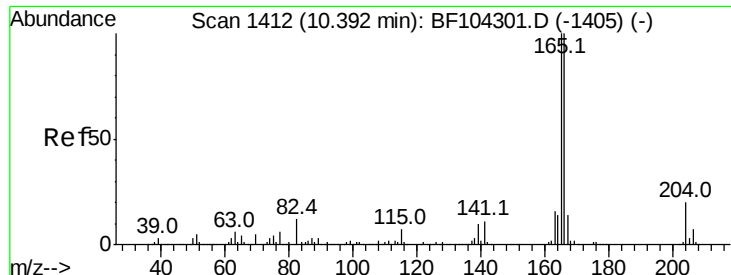


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

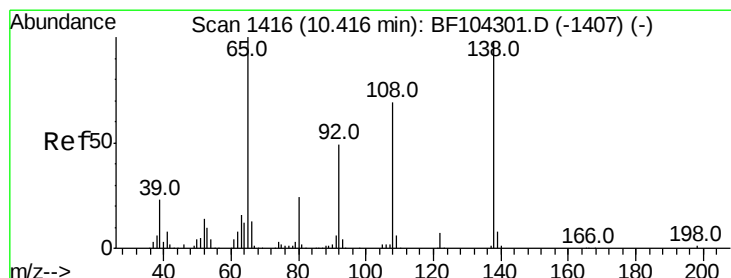
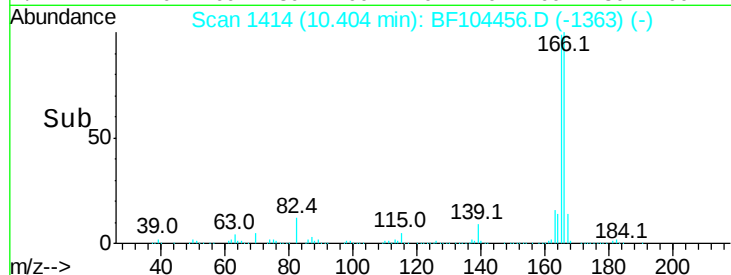
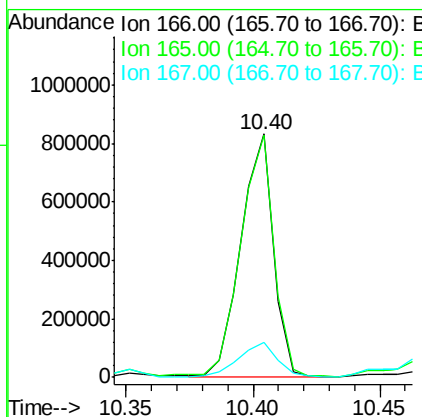
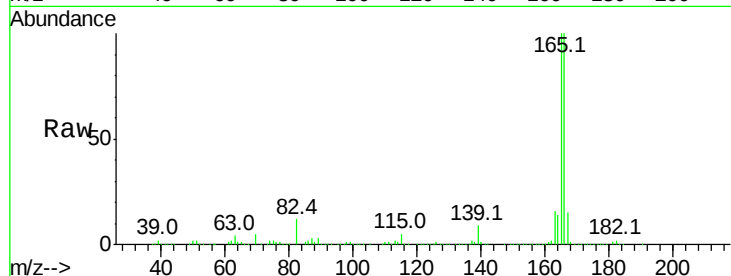




#57
 Fluorene
 Concen: 52.257 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: BF104456.D
 Acq: 12 Apr 2018 17:35

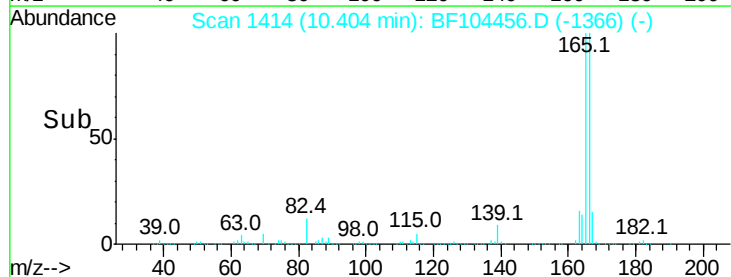
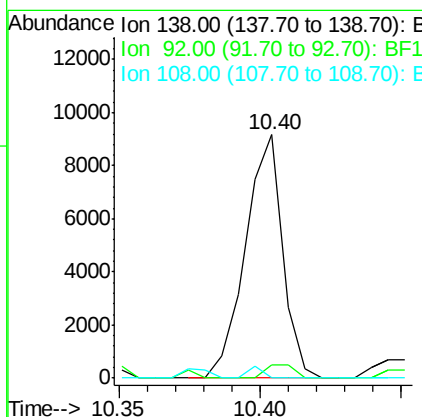
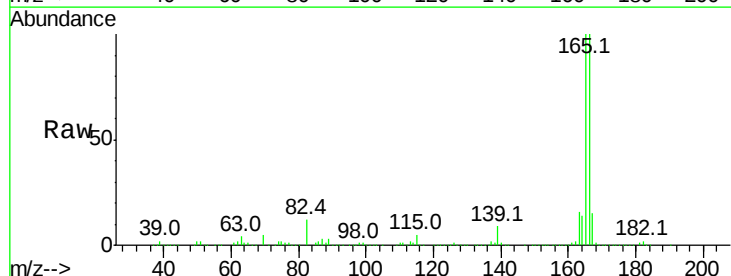
Instrument :
 BNA_F
 ClientSampleId :

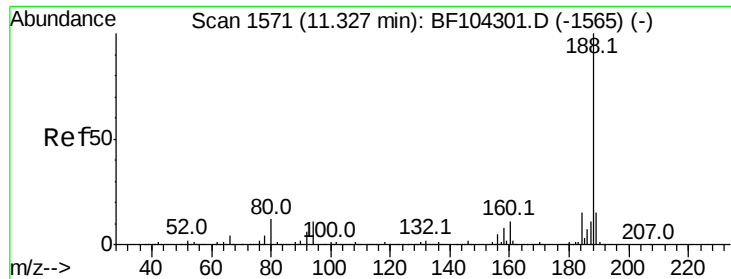
Tot Ion:166 Resp: 740815
 Ion Ratio Lower Upper
 166 100
 165 99.7 79.8 119.8
 167 14.6 10.6 16.0



#61
 4-Nitroaniline
 Concen: 2.277 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.02 min
 Lab File: BF104456.D
 Acq: 12 Apr 2018 17:35

Tgt Ion:138 Resp: 8369
 Ion Ratio Lower Upper
 138 100
 92 5.3 30.2 70.2#
 108 0.0 52.5 92.5#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Instrument :

BNA_F

ClientSampleId :

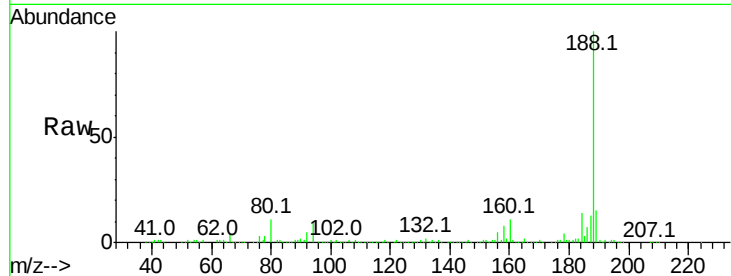
Tot Ion:188 Resp: 322630

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

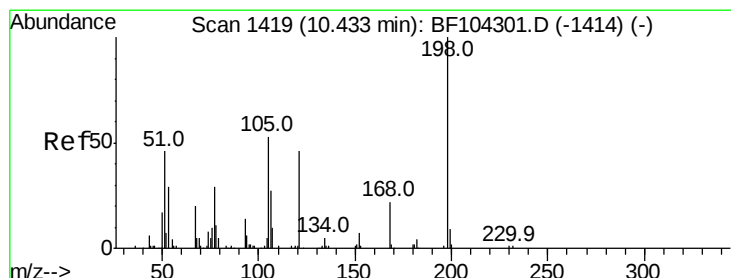
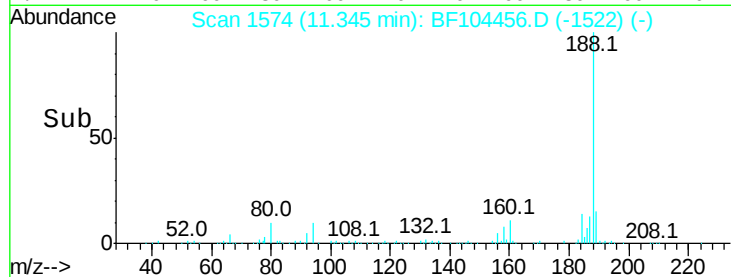
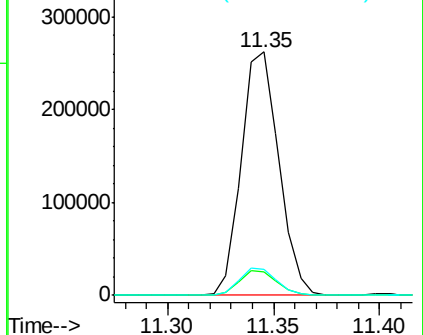
80 10.6 9.2 13.8



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: 7.408 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

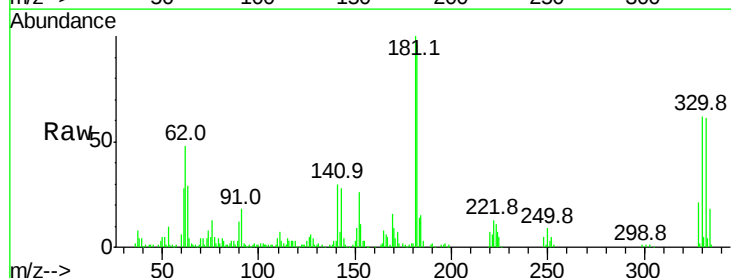
Tgt Ion:198 Resp: 114

Ion Ratio Lower Upper

198 100

51 1584.9 37.7 77.7#

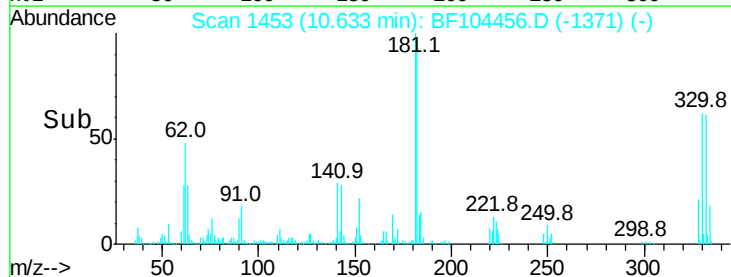
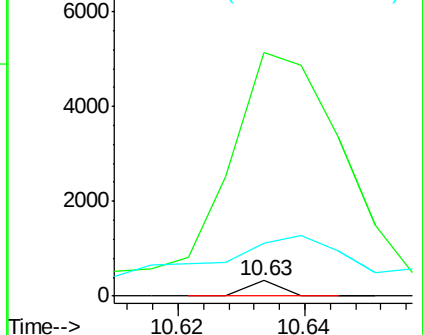
105 348.5 36.3 76.3#

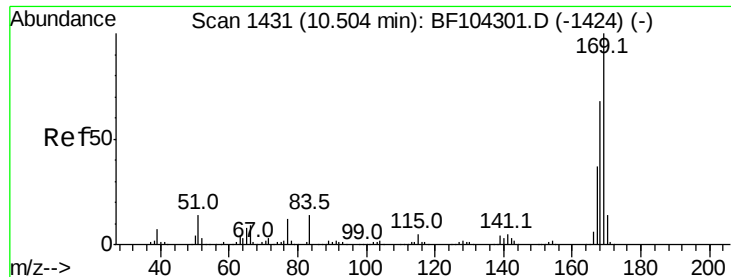


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

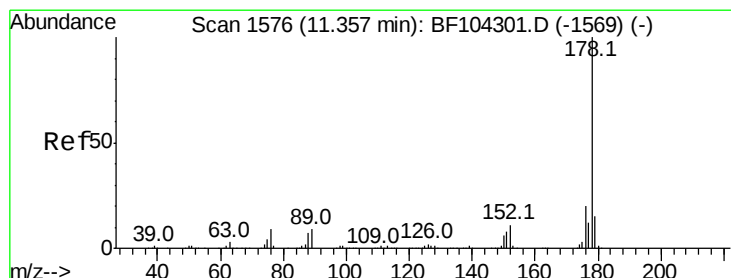
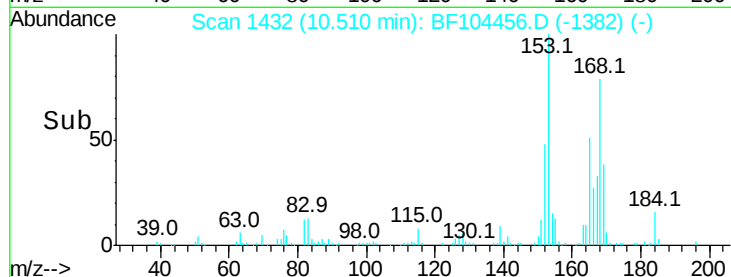
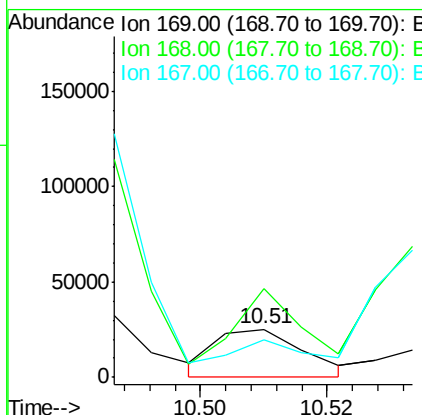
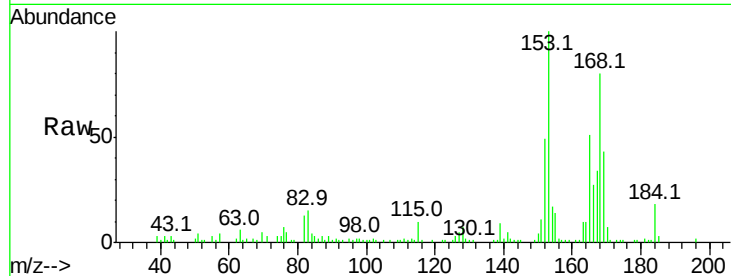




#65
 n-Nitrosodiphenylamine
 Concen: 2.137 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF104456.D
 Acq: 12 Apr 2018 17:35

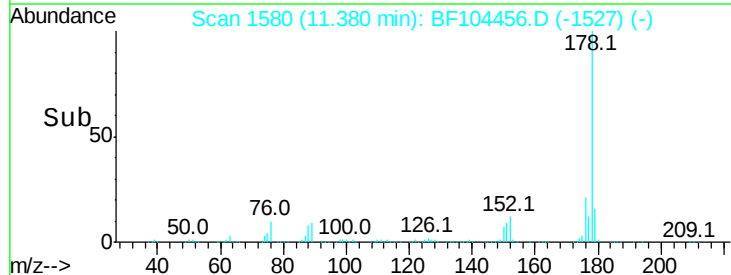
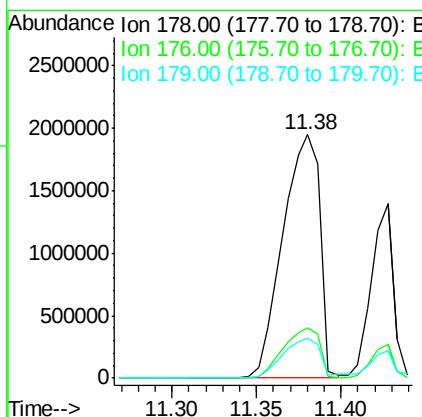
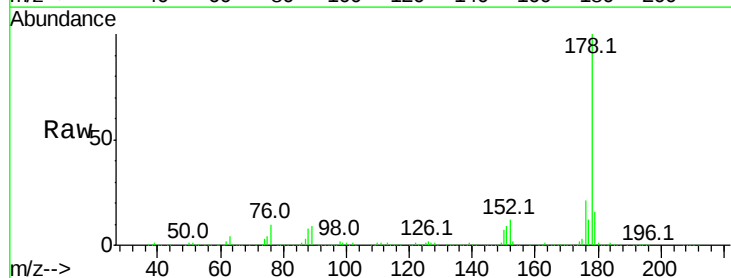
Instrument :
 BNA_F
 ClientSampleId :

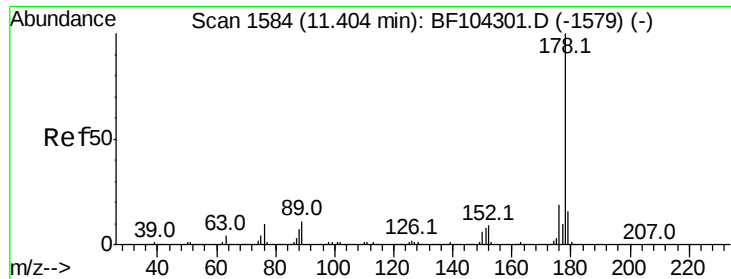
Tot Ion:169 Resp: 23900
 Ion Ratio Lower Upper
 169 100
 168 186.5 54.4 81.6#
 167 79.4 29.8 44.6#



#70
 Phenanthrene
 Concen: 164.562 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: BF104456.D
 Acq: 12 Apr 2018 17:35

Tgt Ion:178 Resp: 2956690
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.8 23.8
 179 16.3 13.0 19.6

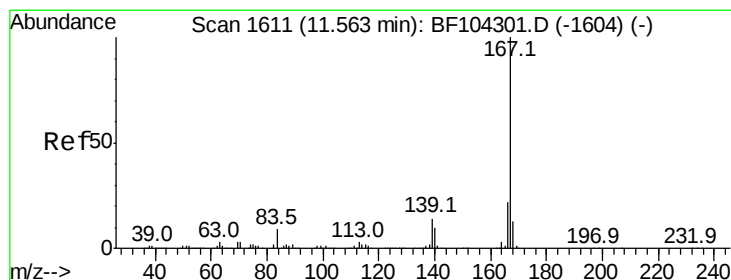
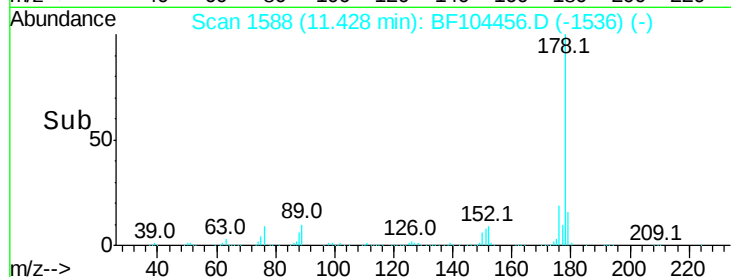
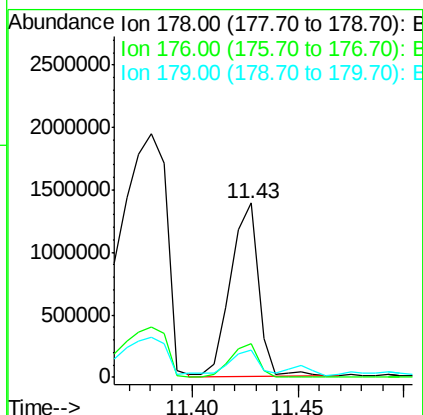
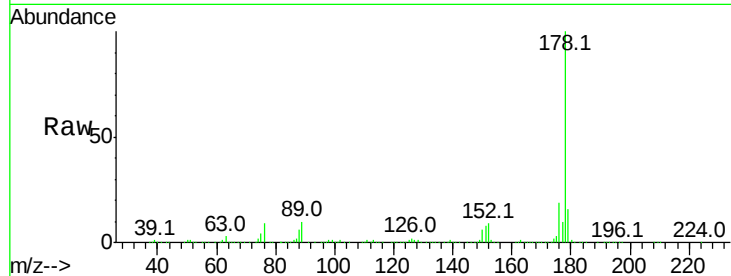




#71
 Anthracene
 Concen: 69.777 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF104456.D
 Acq: 12 Apr 2018 17:35

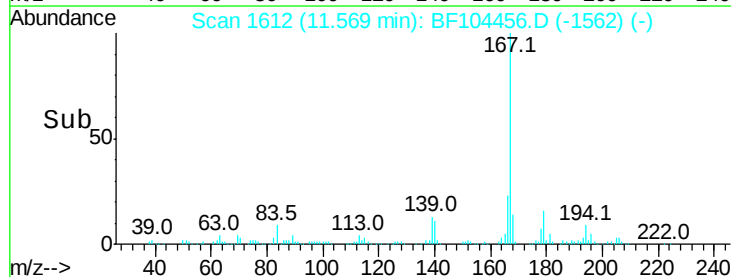
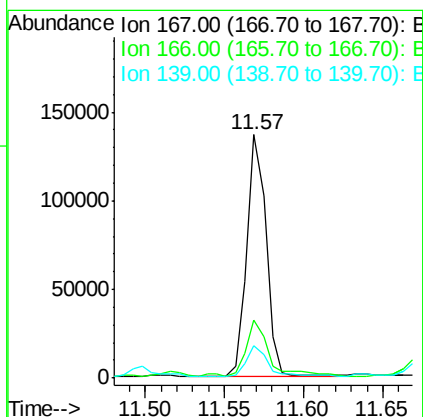
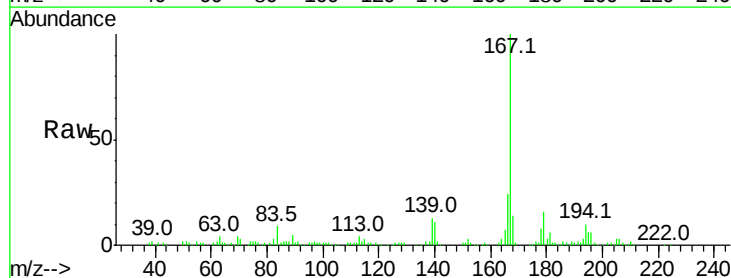
Instrument :
 BNA_F
 ClientSampleId :

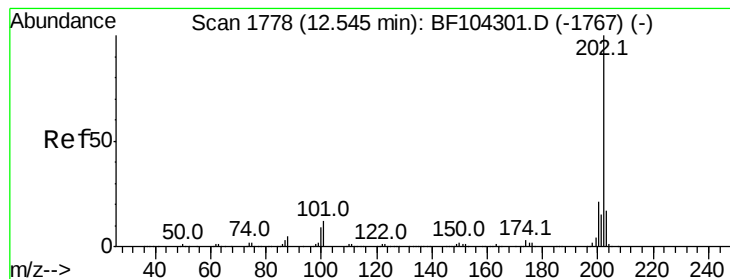
Tot Ion:178 Resp: 1274391
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 15.8 12.6 19.0



#72
 Carbazole
 Concen: 6.538 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: BF104456.D
 Acq: 12 Apr 2018 17:35

Tgt Ion:167 Resp: 116686
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.6 26.4
 139 13.5 10.9 16.3





#74

Fluoranthene

Concen: 140.720 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.02 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Instrument :

BNA_F

ClientSampleId :

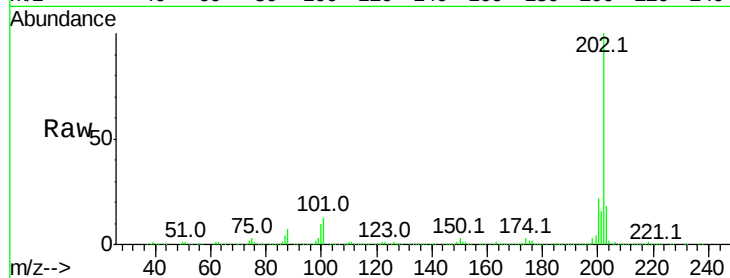
Tot Ion:202 Resp: 2641618

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

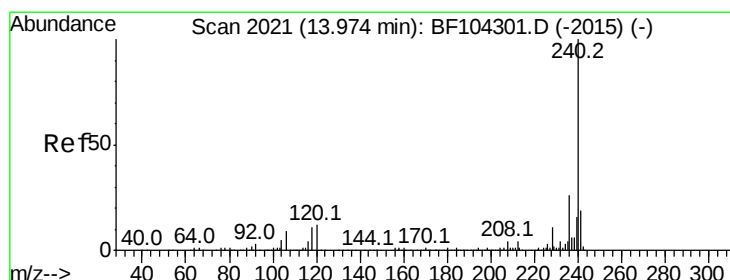
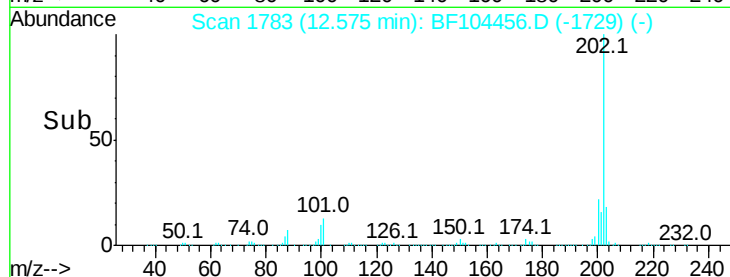
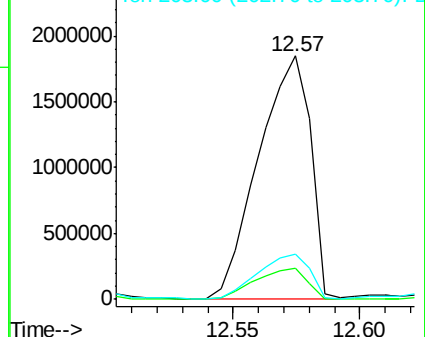
203 18.5 0.0 38.1



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# 2025

Delta R.T. 0.01 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

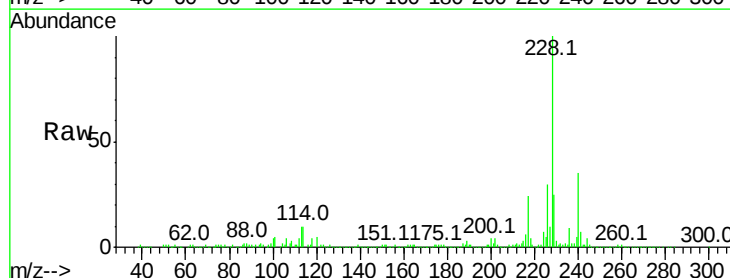
Tgt Ion:240 Resp: 216531

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

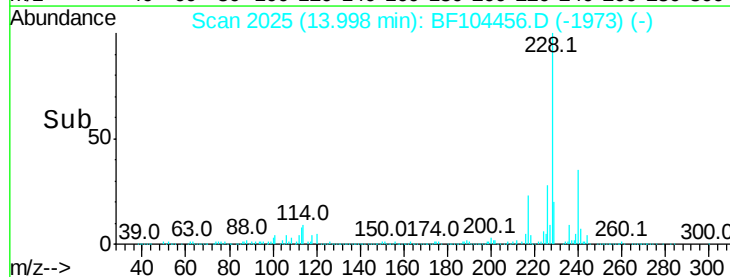
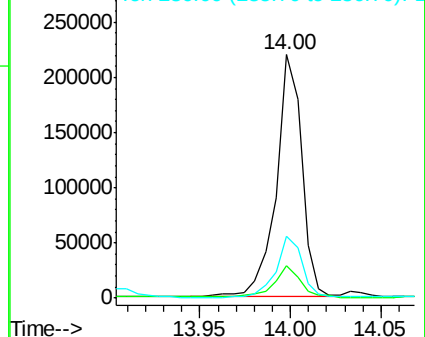
236 25.3 20.7 31.1

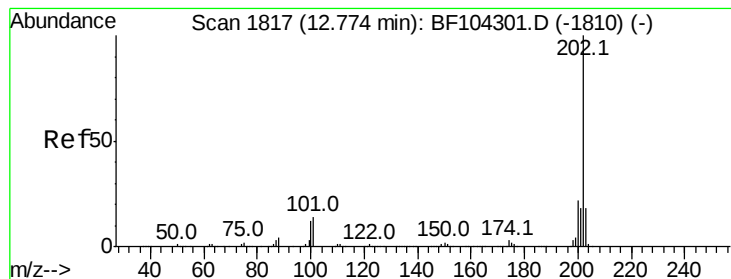


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 181.992 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.02 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Instrument :

BNA_F

ClientSampleId :

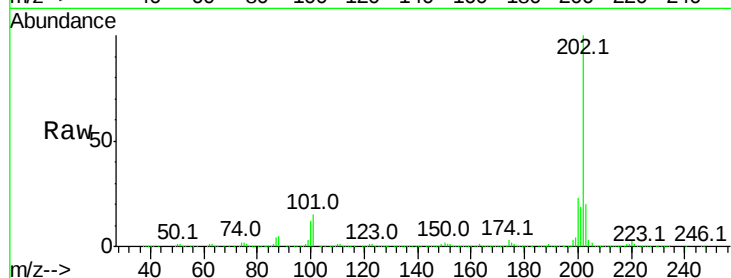
Tot Ion:202 Resp: 2920979

Ion Ratio Lower Upper

202 100

200 22.6 17.4 26.2

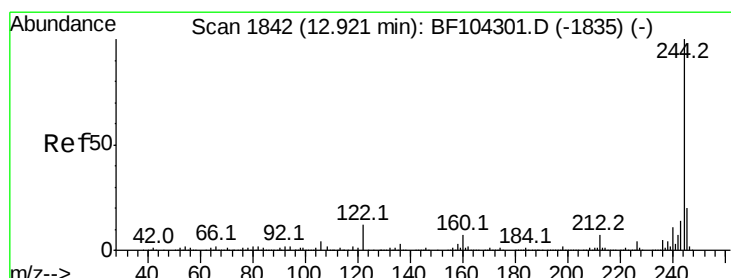
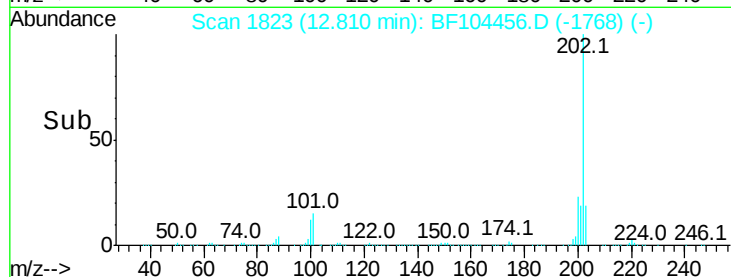
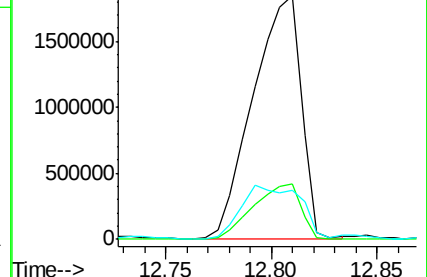
203 20.3 14.3 21.5



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: 38.934 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

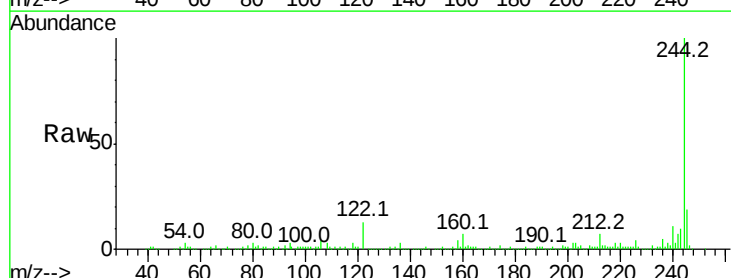
Tgt Ion:244 Resp: 369783

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

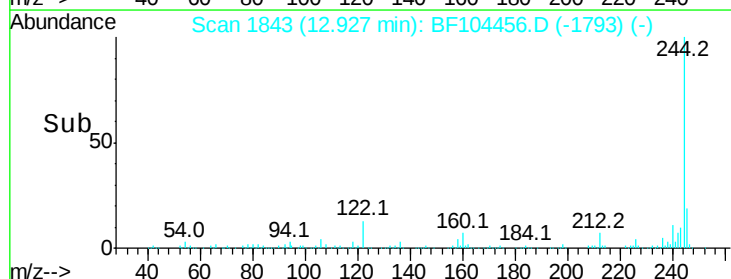
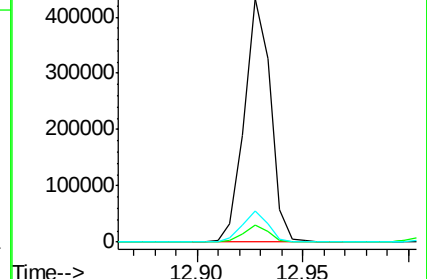
122 12.8 11.0 16.4

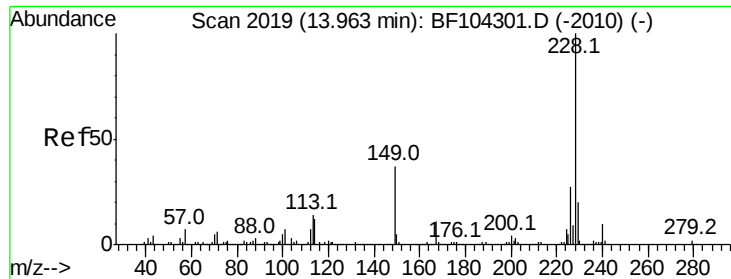


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

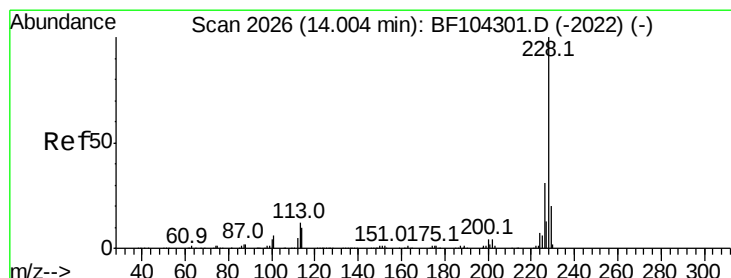
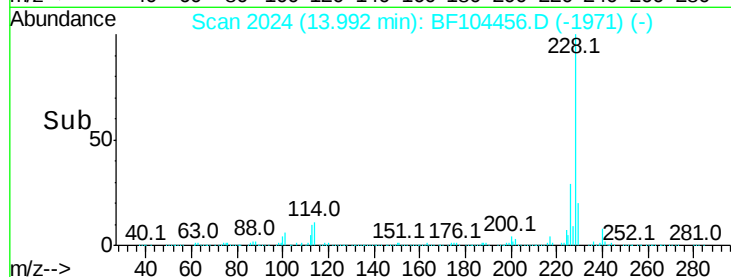
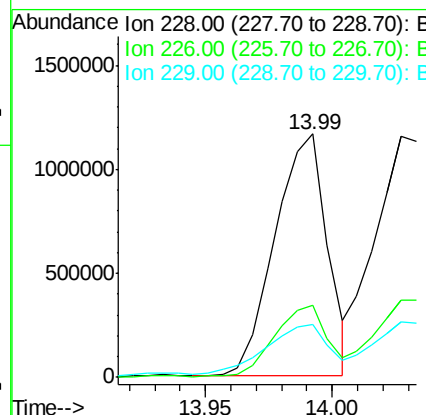
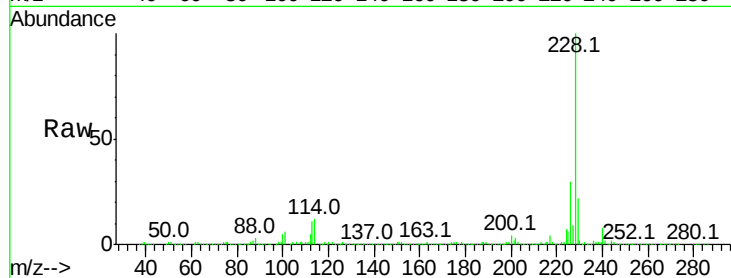




#80
Benzo(a)anthracene
Concen: 129.065 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

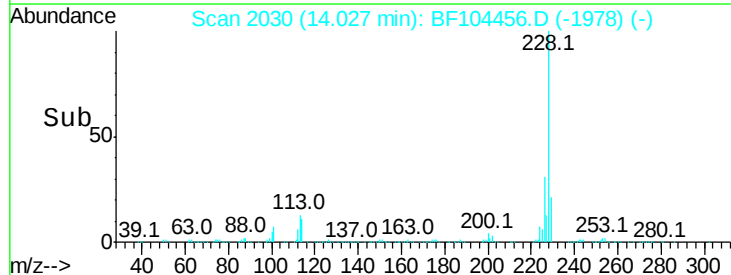
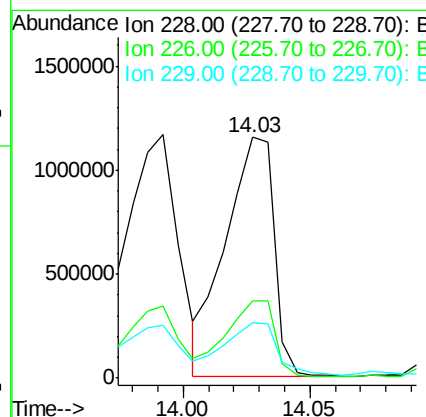
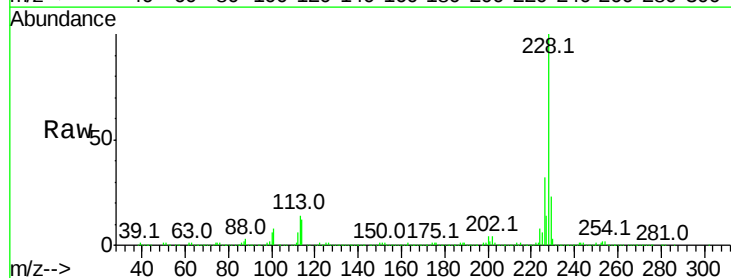
Instrument :
BNA_F
ClientSampleId :

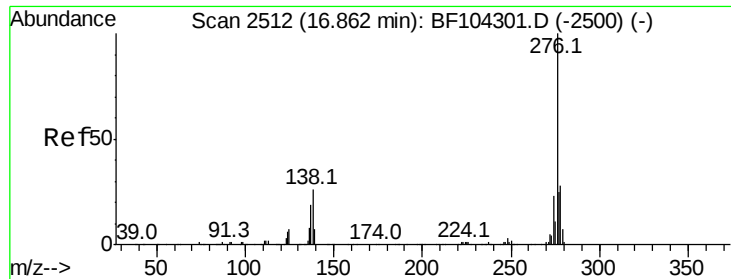
Tot Ion:228 Resp: 1669559
Ion Ratio Lower Upper
228 100
226 29.5 22.6 33.8
229 21.8 15.8 23.6



#82
Chrysene
Concen: 115.095 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

Tgt Ion:228 Resp: 1529275
Ion Ratio Lower Upper
228 100
226 32.3 25.0 37.6
229 22.9 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.676 ng

RT: 16.76 min Scan# 2494

Delta R.T. -0.16 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Instrument :

BNA_F

ClientSampleId :

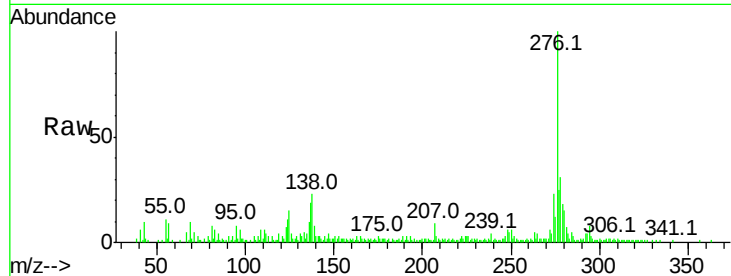
Tot Ion:276 Resp: 97922

Ion Ratio Lower Upper

276 100

138 30.2 25.0 37.6

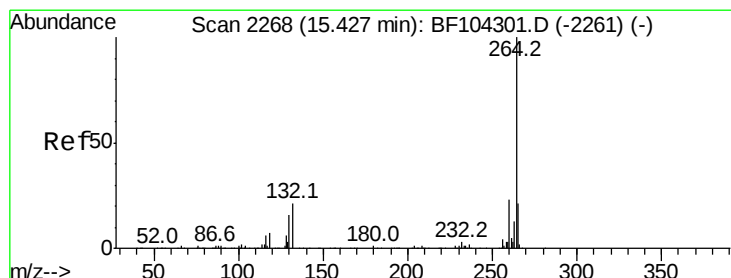
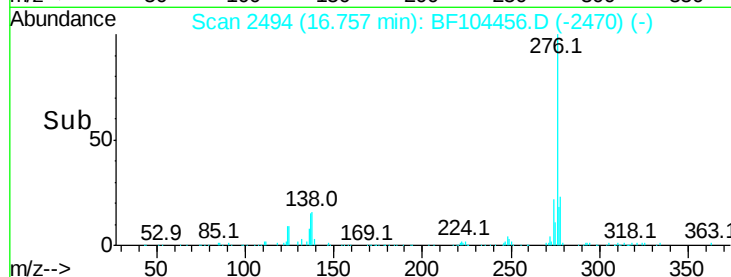
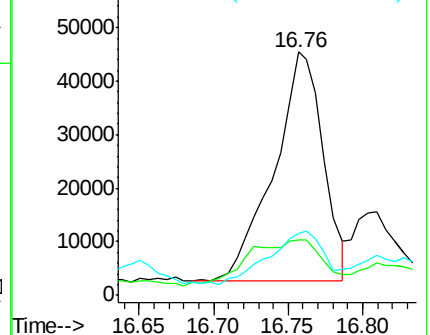
277 26.1 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

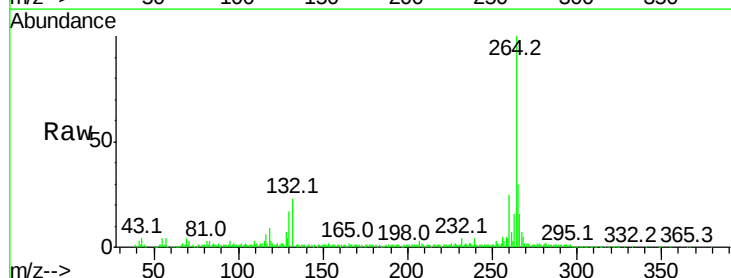
Tgt Ion:264 Resp: 194785

Ion Ratio Lower Upper

264 100

260 25.4 19.2 28.8

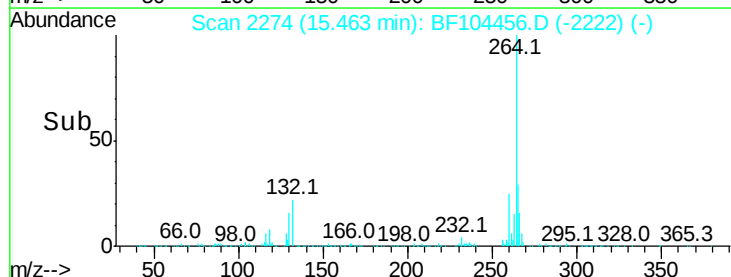
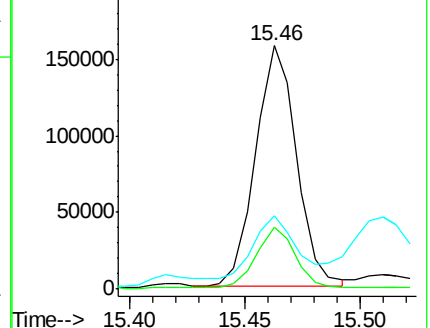
265 30.2 17.5 26.3#

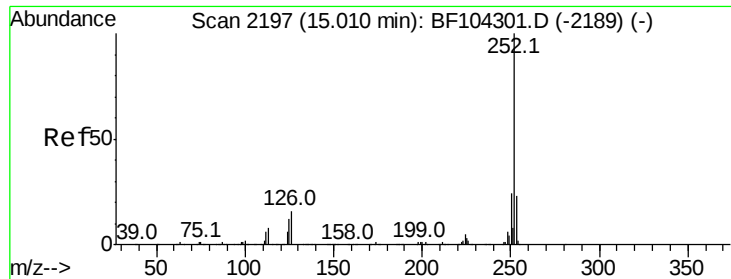


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

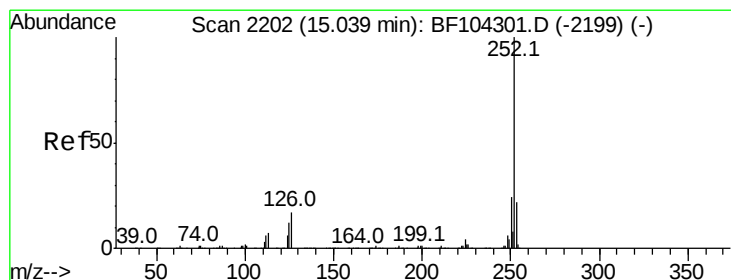
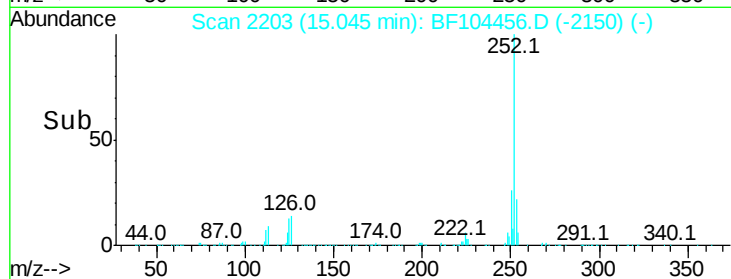
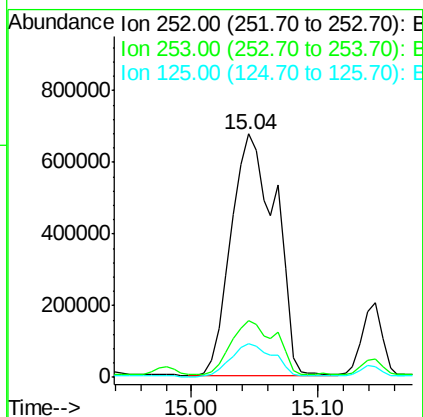
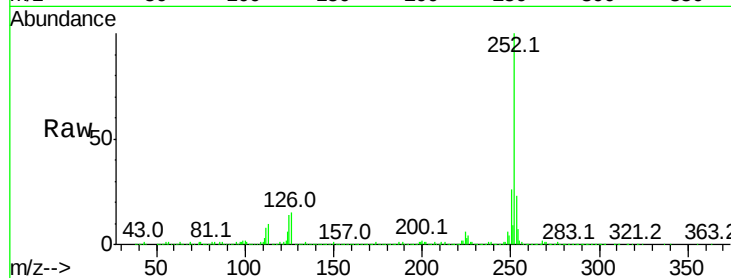




#87
Benzo(b)fluoranthene
Concen: 133.586 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

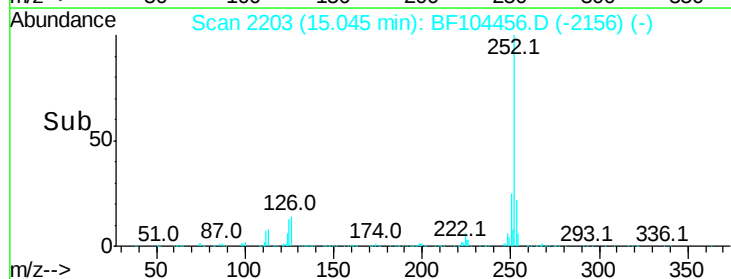
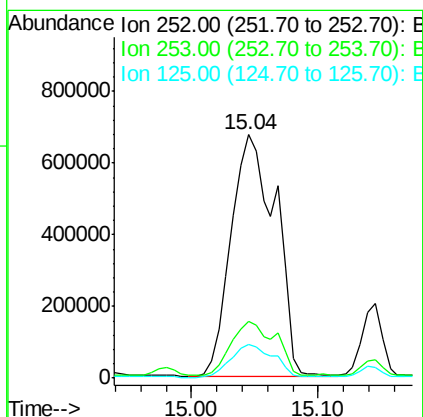
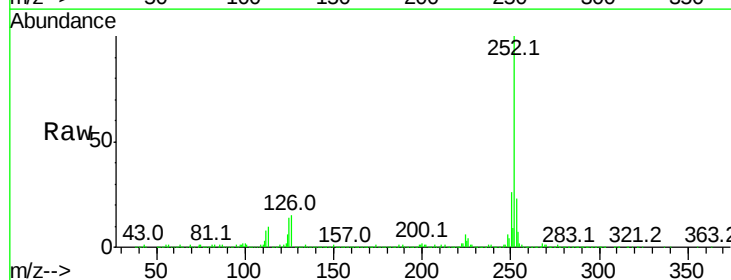
Instrument :
BNA_F
ClientSampleId :

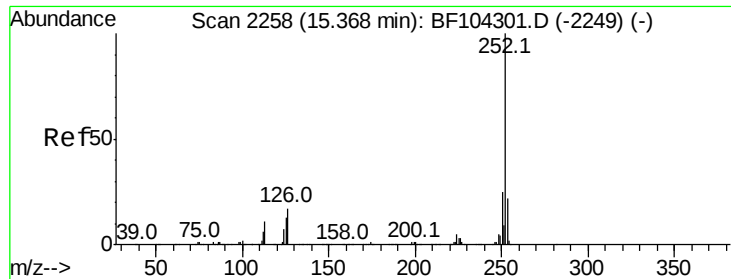
Tot Ion:252 Resp: 1643410
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 13.9 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 141.497 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF104456.D
Acq: 12 Apr 2018 17:35

Tgt Ion:252 Resp: 1643410
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 13.9 10.2 15.2





#89

Benzo(a)pyrene

Concen: 90.935 ng

RT: 15.41 min Scan# 2265

Delta R.T. 0.01 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Instrument :

BNA_F

ClientSampleId :

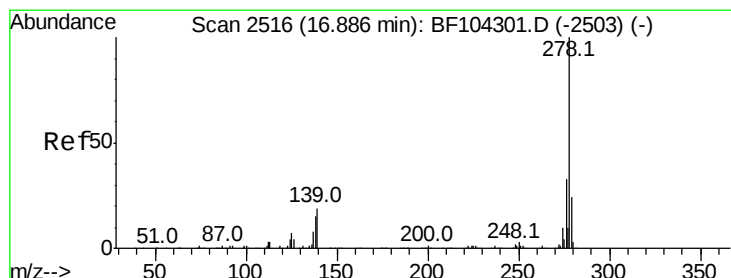
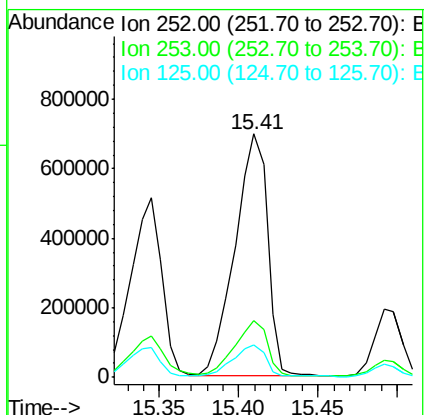
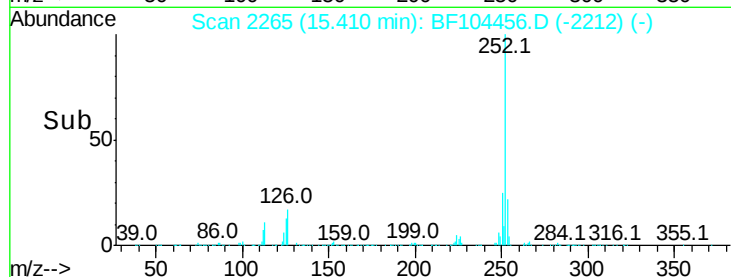
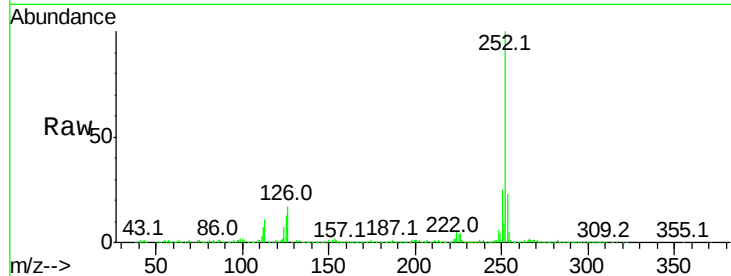
Tot Ion:252 Resp: 1000970

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 13.4 9.8 14.6



#90

Dibenzo(a,h)anthracene

Concen: 15.782 ng

RT: 16.93 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

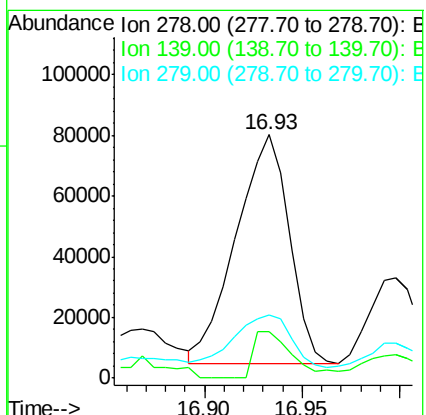
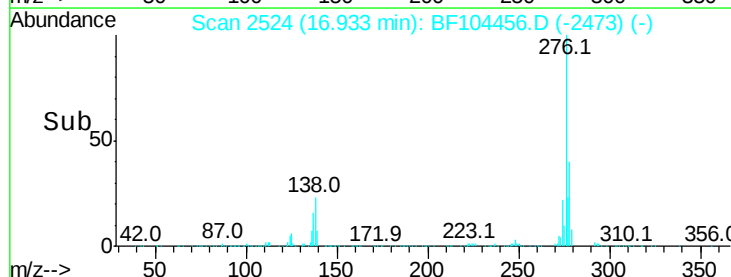
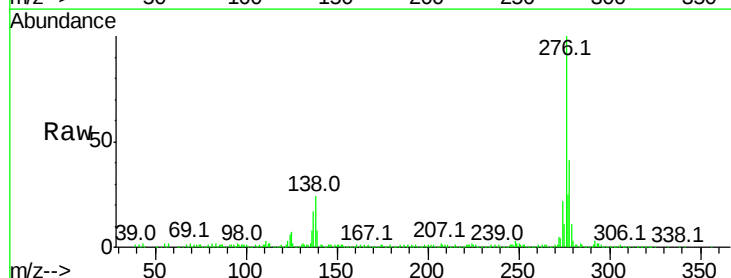
Tgt Ion:278 Resp: 142679

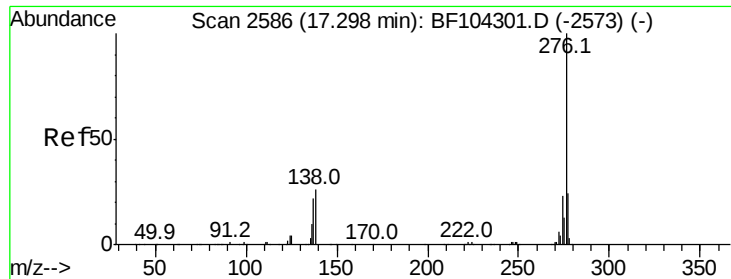
Ion Ratio Lower Upper

278 100

139 19.2 15.9 23.9

279 26.2 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 58.186 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.01 min

Lab File: BF104456.D

Acq: 12 Apr 2018 17:35

Instrument :

BNA_F

ClientSampleId :

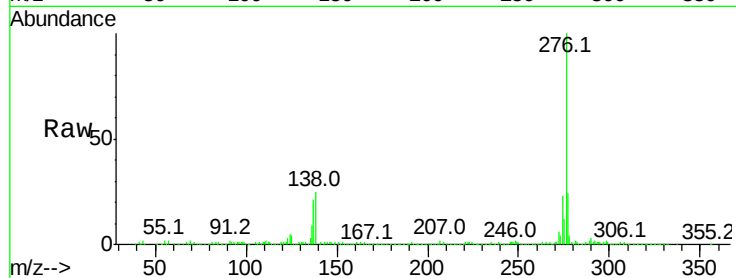
Tot Ion:276 Resp: 509634

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 25.1 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

