

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104589.D
 Acq On : 18 Apr 2018 9:46
 Operator : JU/SJ
 Sample : J2387-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 11:53:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	128707	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	526298	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	239963	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	425362	20.00	ng	0.00
75) Chrysene-d12	13.97	240	302058	20.00	ng	0.00
86) Perylene-d12	15.43	264	251926	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	516185	61.32	ng	0.00
7) Phenol-d6	6.43	99	396763	38.36	ng	0.00
23) Nitrobenzene-d5	7.37	82	866413	107.50	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	346997	139.40	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1420481	93.51	ng	0.00
78) Terphenyl-d14	12.92	244	1363757	102.93	ng	0.00

Target Compounds

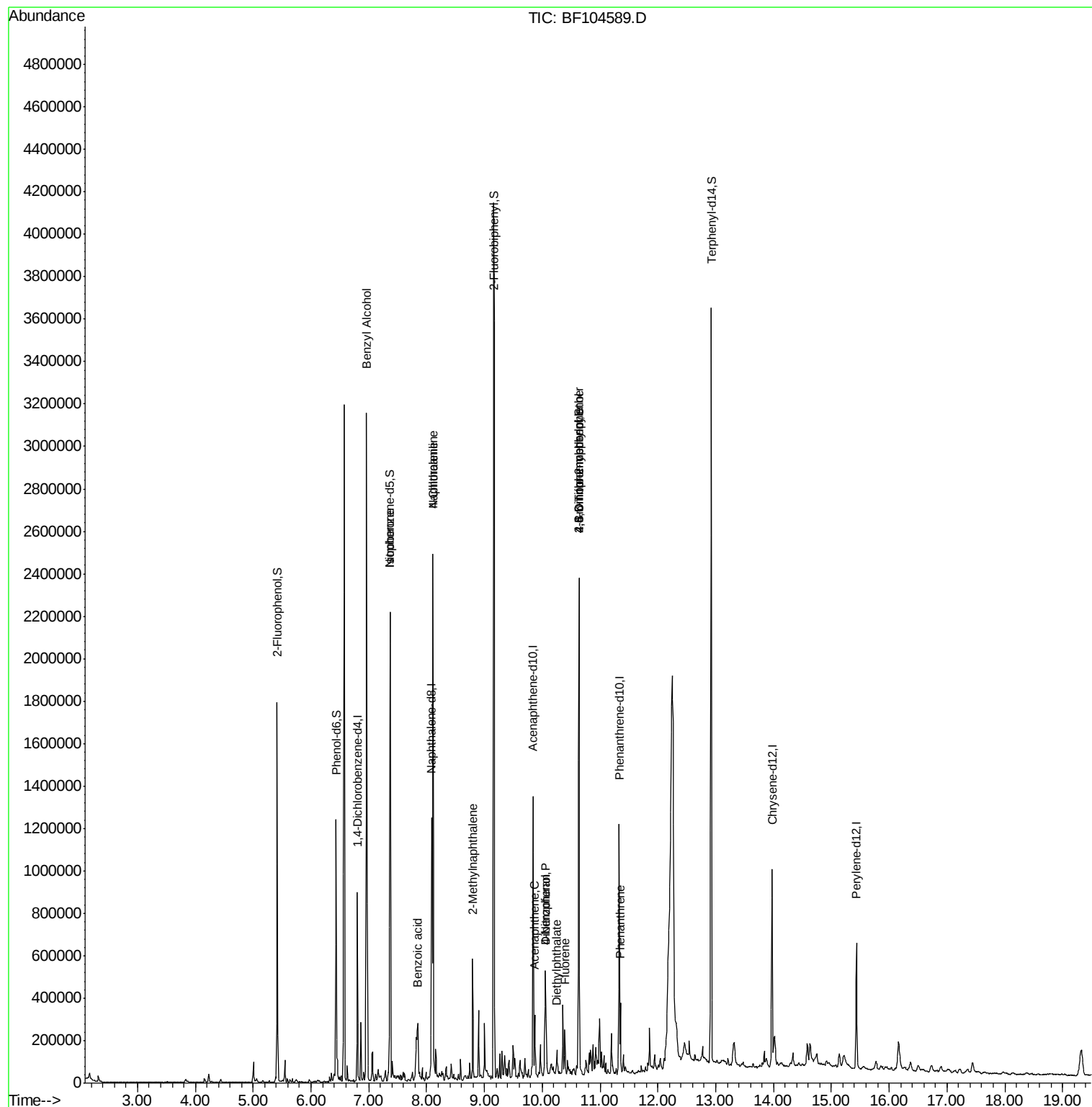
						Qvalue
9) Benzaldehyde	6.35	77	6387	Below Cal	#	74
15) Benzyl Alcohol	6.96	79	17893	2.278 ng	#	45
25) Isophorone	7.37	82	866402	50.834 ng	#	64
31) Naphthalene	8.11	128	1016168	38.775 ng		100
32) Benzoic acid	7.83	122	13184	2.197 ng		94
33) 4-Chloroaniline	8.11	127	139674	12.440 ng	#	34
37) 2-Methylnaphthalene	8.80	142	133098	7.852 ng		99
51) Acenaphthene	9.87	154	49138	3.224 ng		98
54) Dibenzofuran	10.05	168	58855	2.771 ng		99
55) 4-Nitrophenol	10.05	139	22955	7.129 ng	#	12
57) Fluorene	10.39	166	51166	3.309 ng		96
59) Diethylphthalate	10.25	149	39440	2.093 ng		97
64) 4,6-Dinitro-2-methylphenol	10.63	198	727	7.644 ng	#	1
66) 4-Bromophenyl-phenylether	10.64	248	20352	4.498 ng	#	1
70) Phenanthrene	11.35	178	110492	4.664 ng		97
76) Benzdine	12.92	184	18395	Below Cal		94

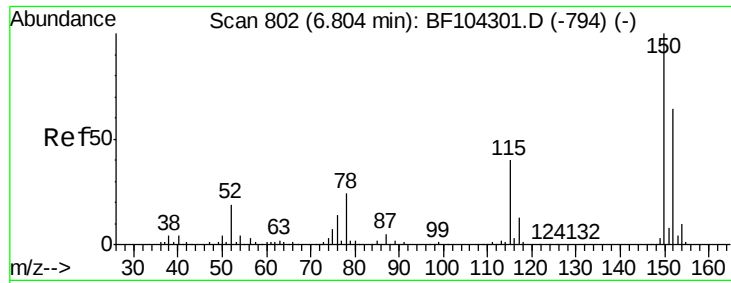
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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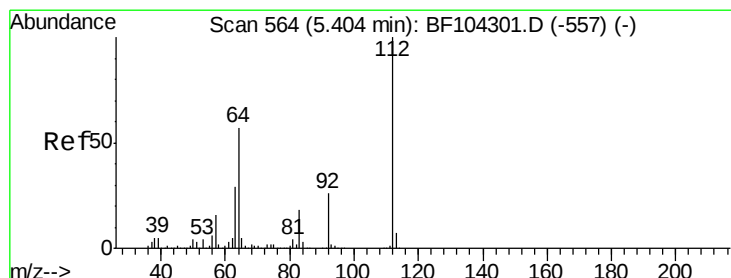
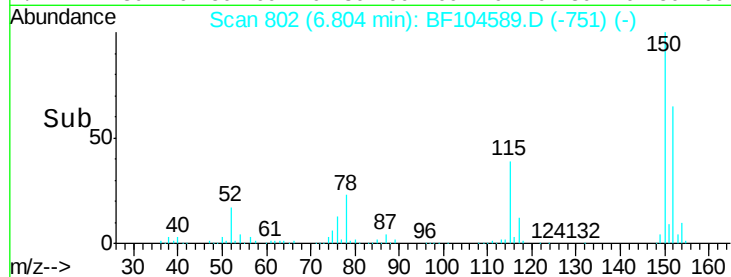
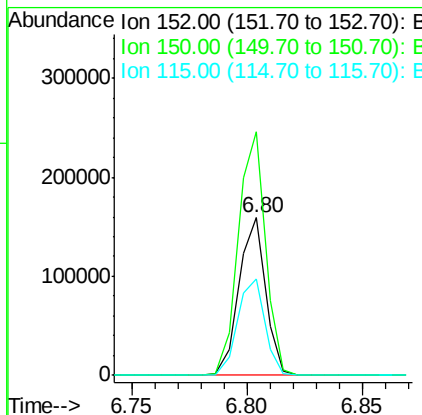
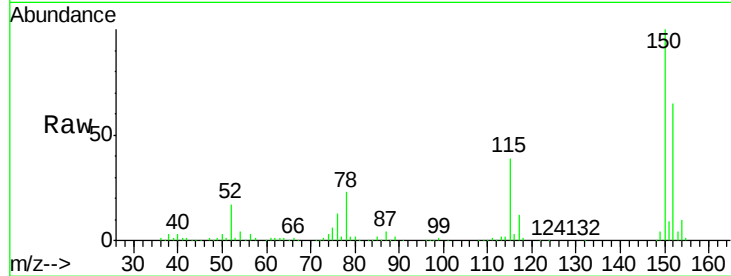


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104589.D
Acq: 18 Apr 2018 9:46

Instrument :
BNA_F
ClientSampleId :

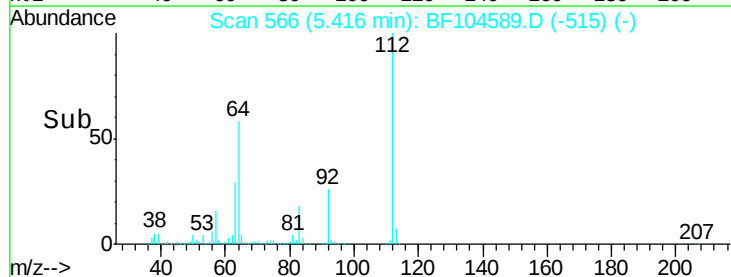
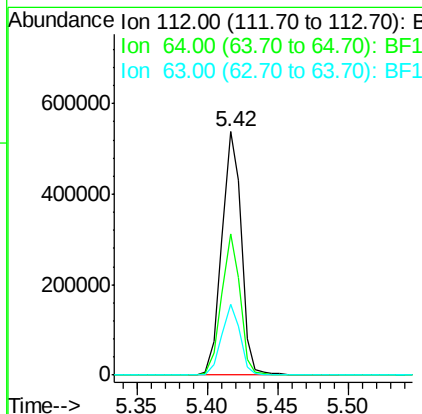
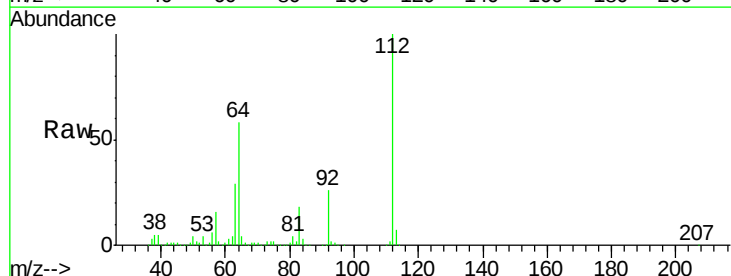
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	61.0	50.1	75.1

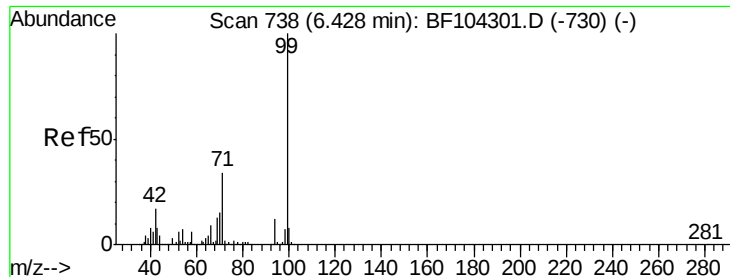


#5

2-Fluorophenol
Concen: 61.323 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104589.D
Acq: 18 Apr 2018 9:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 38.363 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104589.D

Acq: 18 Apr 2018 9:46

Instrument :

BNA_F

ClientSampleId :

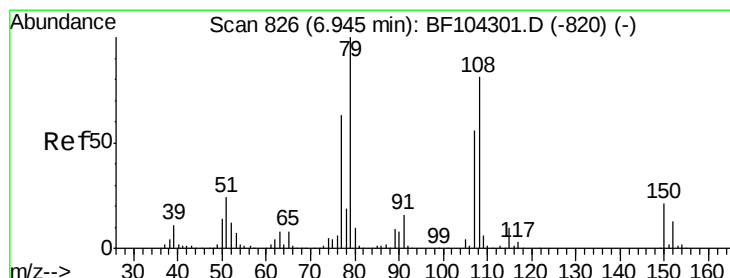
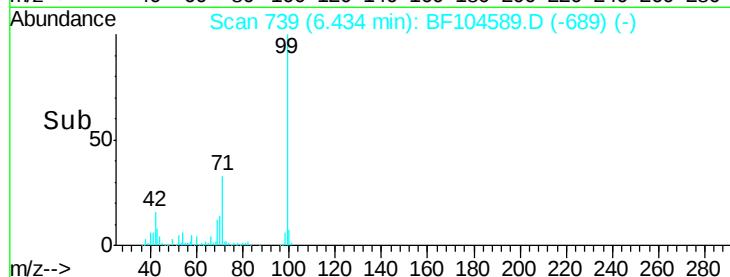
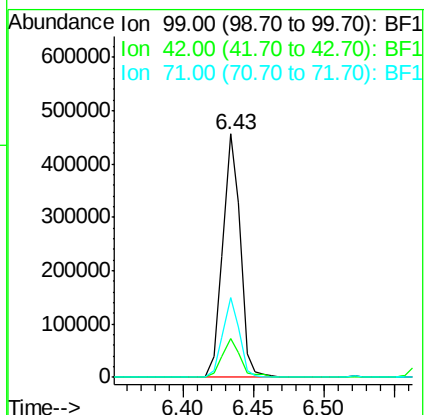
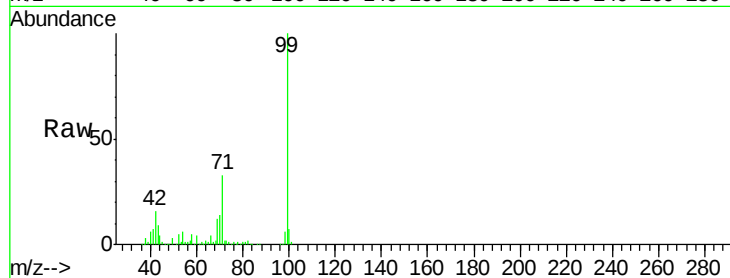
Tot Ion: 99 Resp: 396763

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

71 32.6 25.4 38.0



#15

Benzyl Alcohol

Concen: 2.278 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.01 min

Lab File: BF104589.D

Acq: 18 Apr 2018 9:46

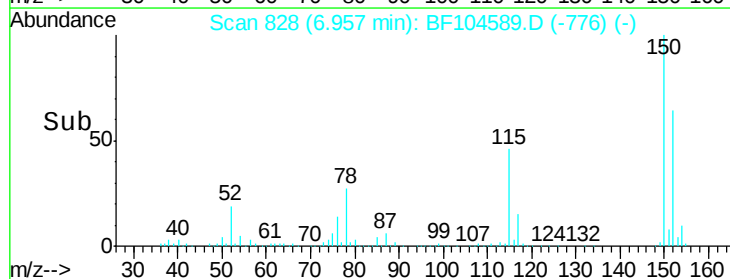
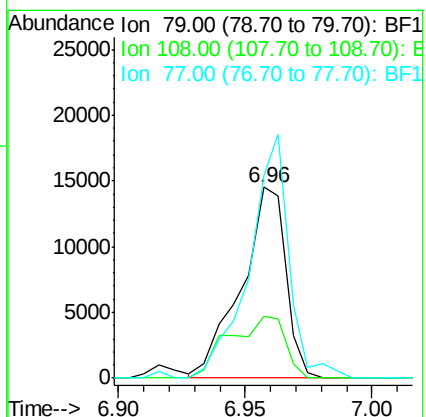
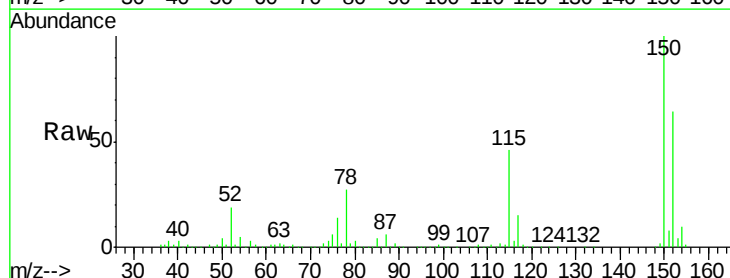
Tgt Ion: 79 Resp: 17893

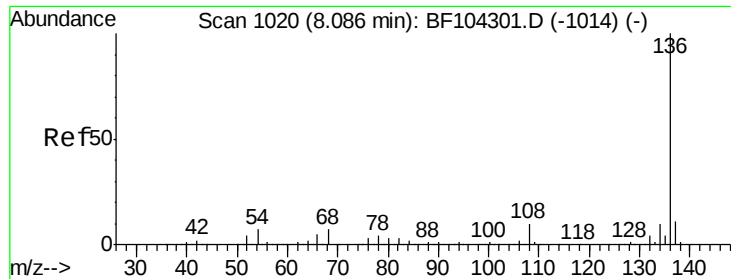
Ion Ratio Lower Upper

79 100

108 32.6 65.1 97.7#

77 106.2 50.6 75.8#

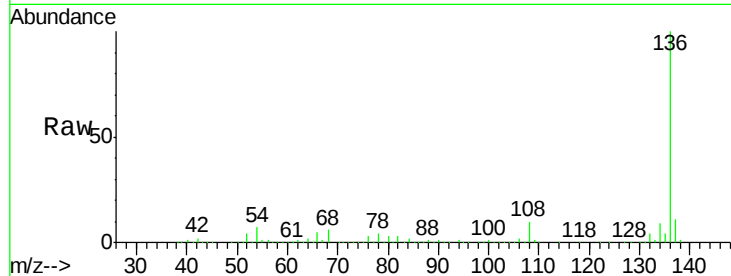




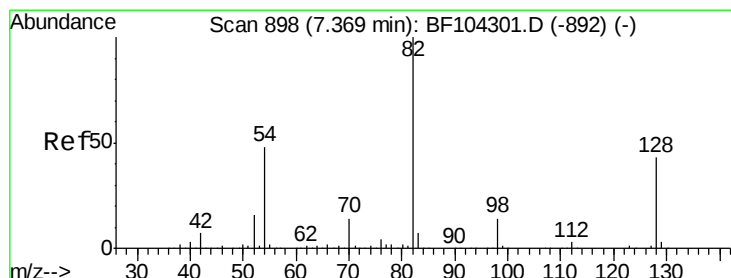
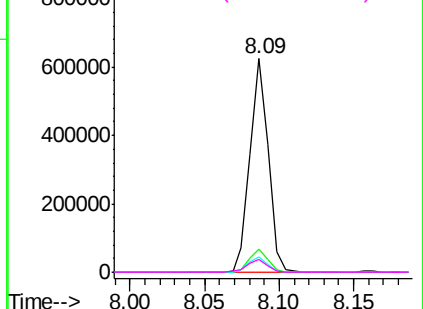
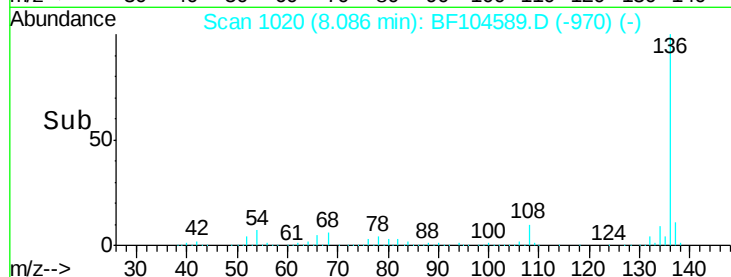
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104589.D
Acq: 18 Apr 2018 9:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	526298
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.9	13.3
54 7.0	6.6	9.8
68 6.2	5.0	7.4

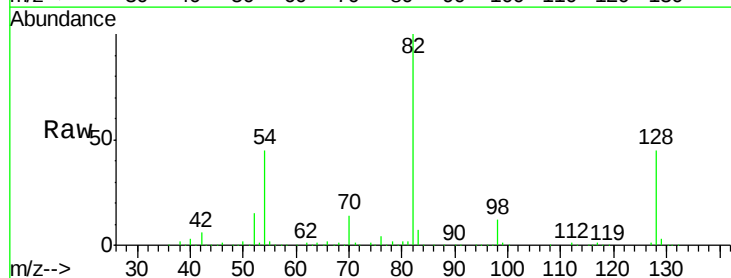


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

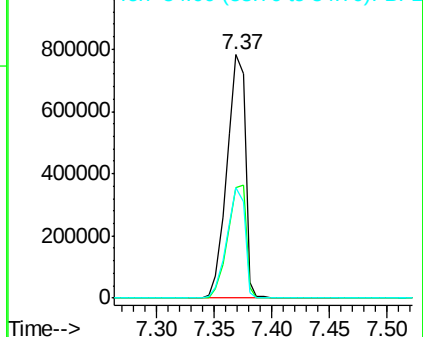
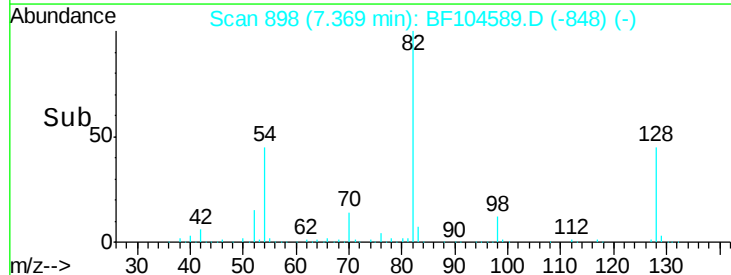


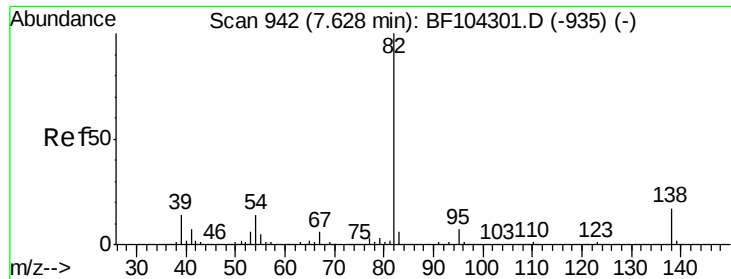
#23
Nitrobenzene-d5
Concen: 107.496 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104589.D
Acq: 18 Apr 2018 9:46

Tgt Ion: 82	Resp:	866413
Ion Ratio	Lower	Upper
82 100		
128 45.3	36.1	54.1
54 45.2	41.4	62.2



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





#25

Isophorone

Concen: 50.834 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104589.D

Acq: 18 Apr 2018 9:46

Instrument :

BNA_F

ClientSampleId :

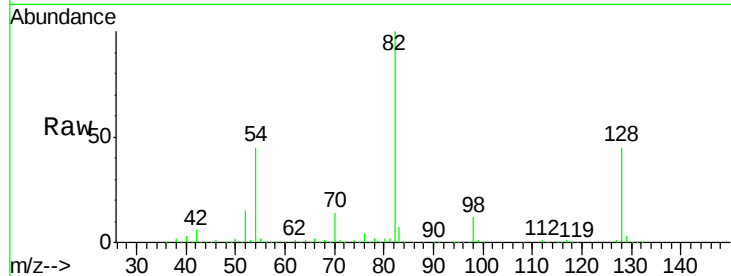
Tot Ion: 82 Resp: 866402

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

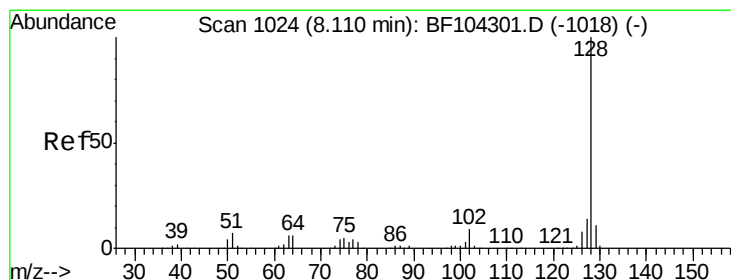
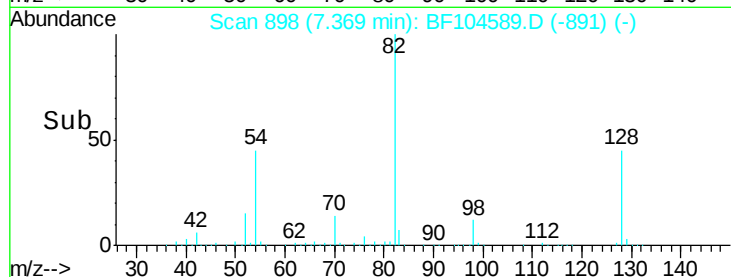
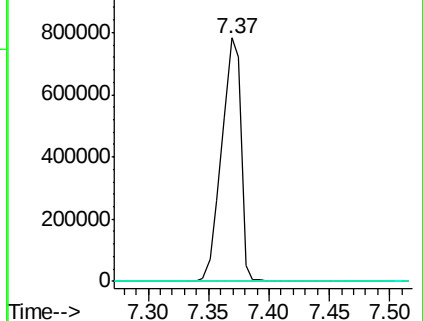
138 0.0 14.9 22.3#



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: 38.775 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF104589.D

Acq: 18 Apr 2018 9:46

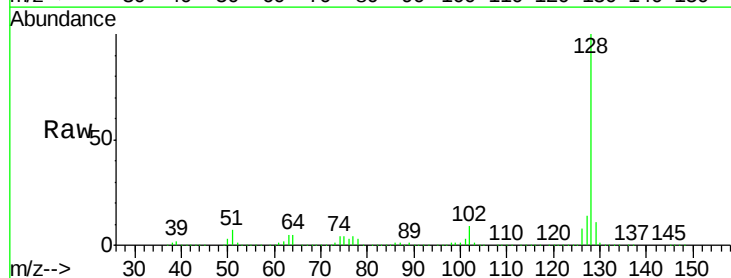
Tgt Ion: 128 Resp: 1016168

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

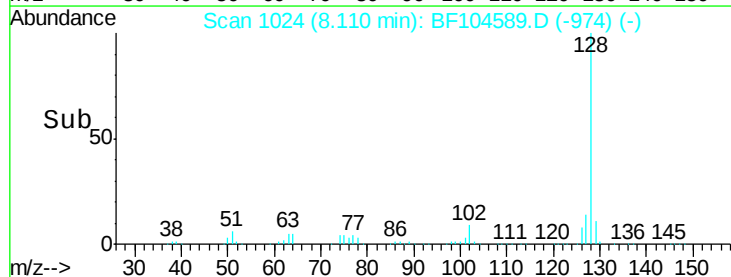
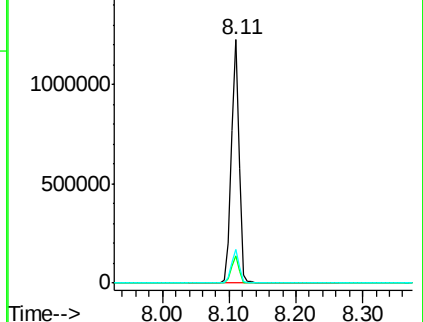
127 13.7 10.9 16.3

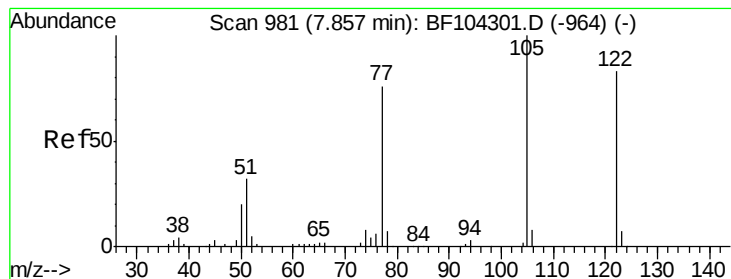


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 2.197 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.04 min

Lab File: BF104589.D

Acq: 18 Apr 2018 9:46

Instrument :

BNA_F

ClientSampleId :

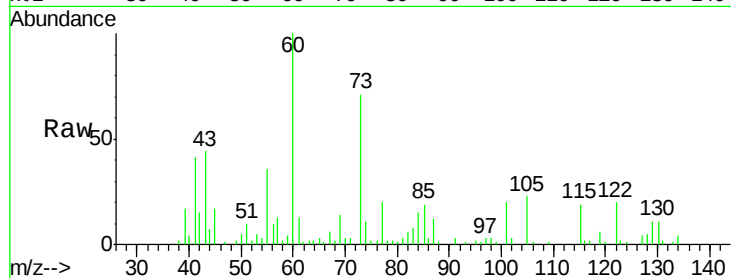
Tot Ion:122 Resp: 13184

Ion Ratio Lower Upper

122 100

105 116.2 101.1 141.1

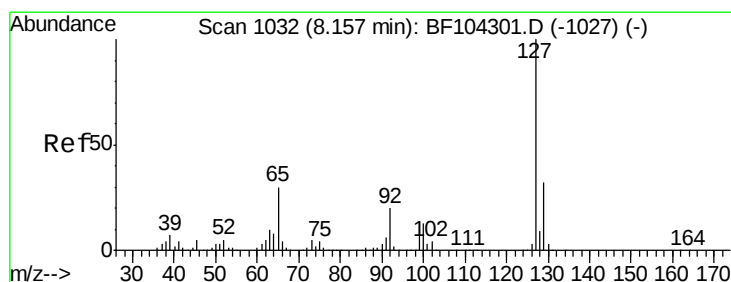
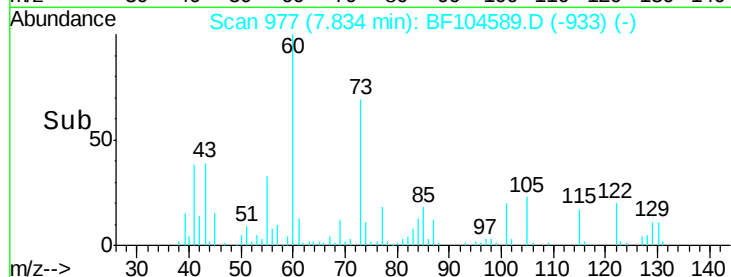
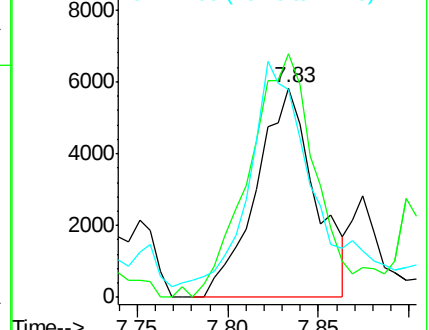
77 99.0 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 12.440 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF104589.D

Acq: 18 Apr 2018 9:46

Tgt Ion:127 Resp: 139674

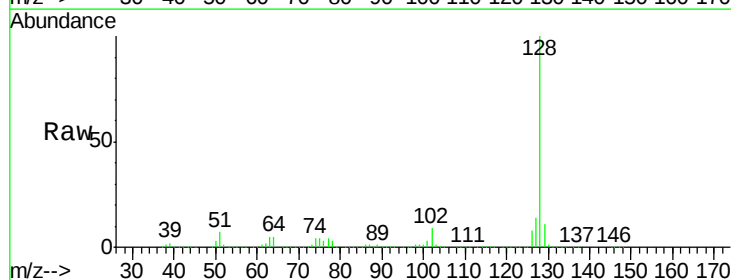
Ion Ratio Lower Upper

127 100

129 82.3 25.9 38.9#

65 0.0 25.0 37.4#

92 0.2 15.2 22.8#

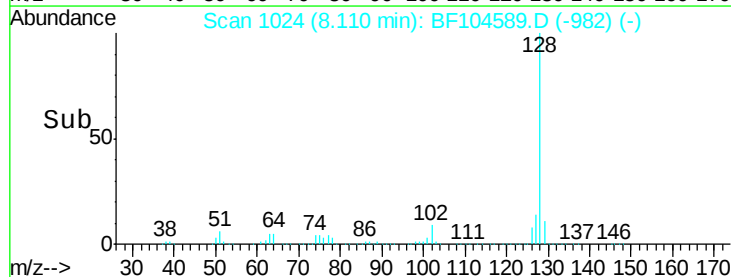
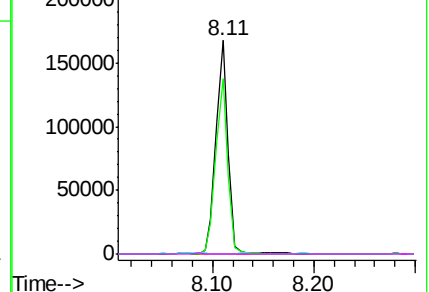


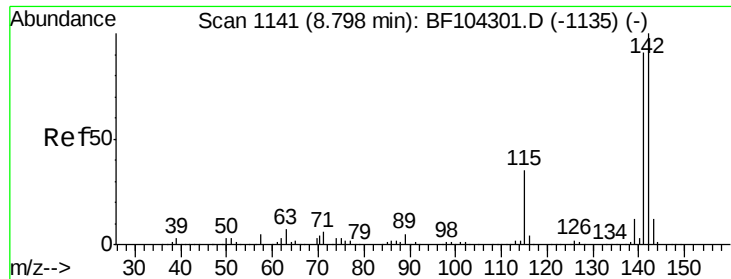
Abundance Ion 127.00 (126.70 to 127.70): E

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

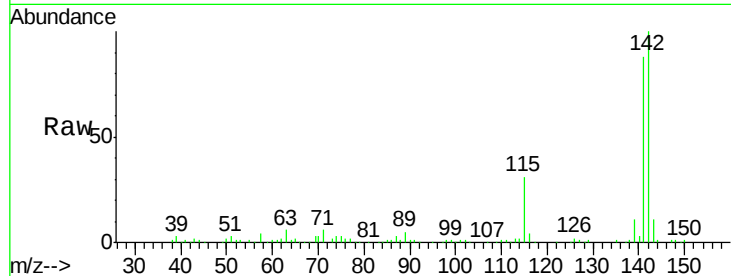




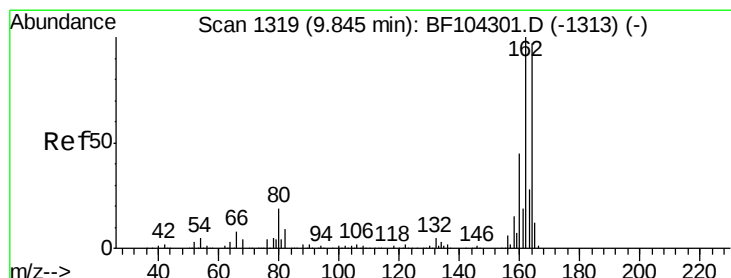
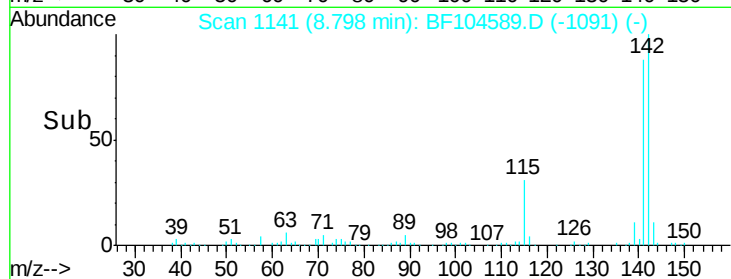
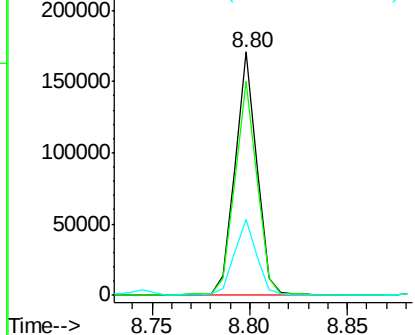
#37
2-Methylnaphthalene
Concen: 7.852 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF104589.D
Acq: 18 Apr 2018 9:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 133098
Ion Ratio Lower Upper
142 100
141 88.0 70.8 106.2
115 31.4 26.1 39.1

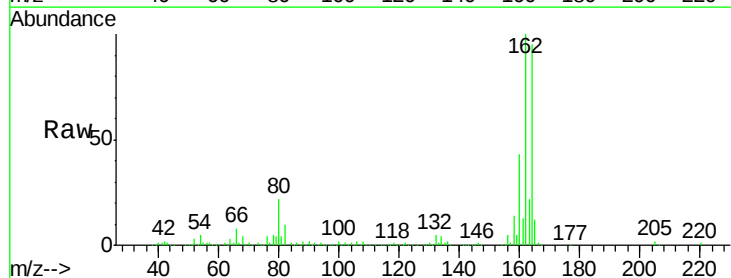


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

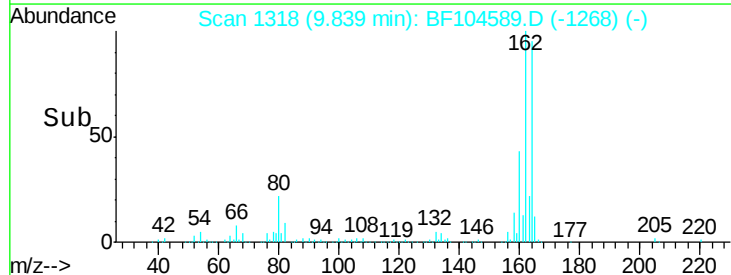
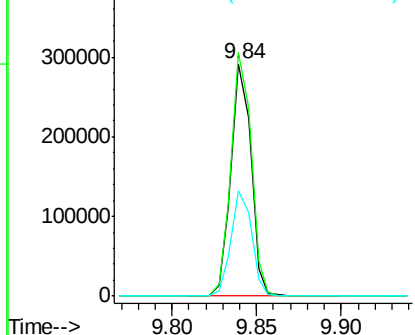


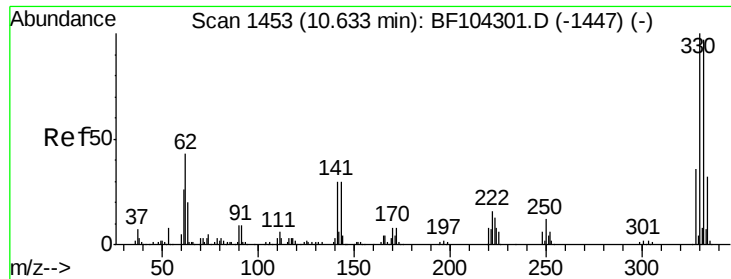
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104589.D
Acq: 18 Apr 2018 9:46

Tgt Ion:164 Resp: 239963
Ion Ratio Lower Upper
164 100
162 104.9 86.1 129.1
160 45.2 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

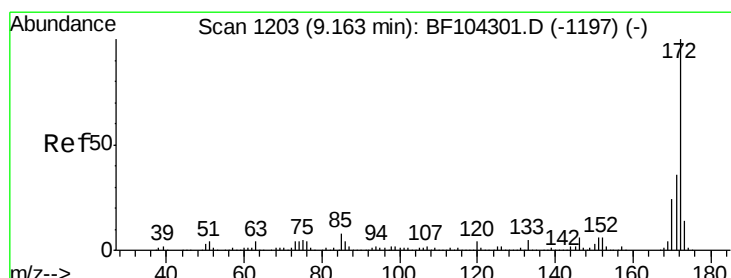
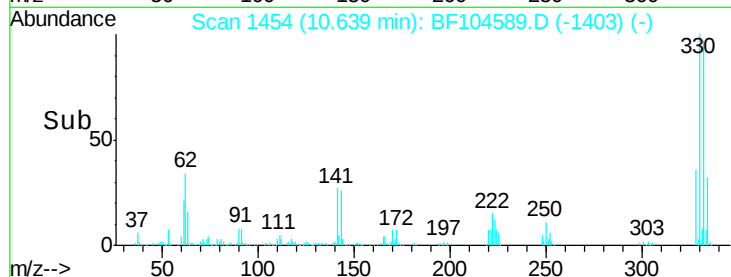
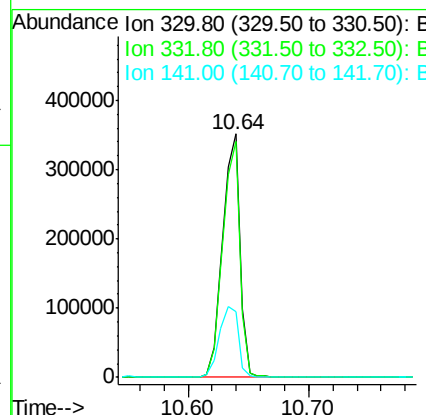
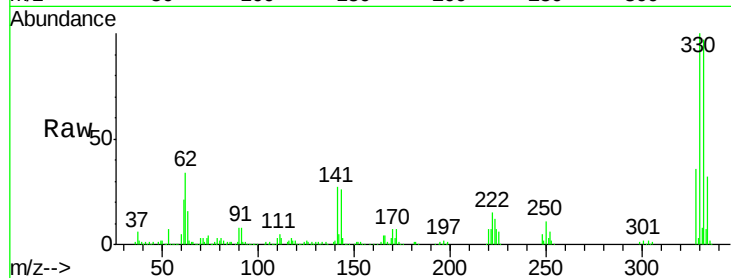




#41
 2,4,6-Tribromophenol
 Concen: 139.401 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104589.D
 Acq: 18 Apr 2018 9:46

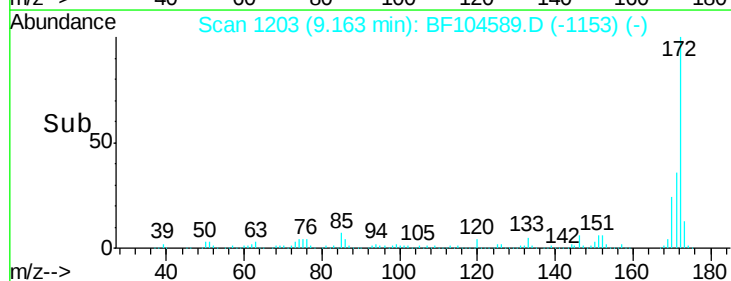
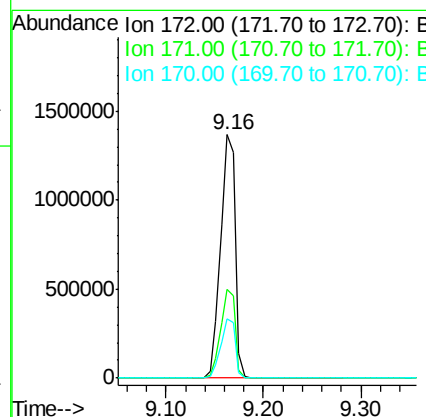
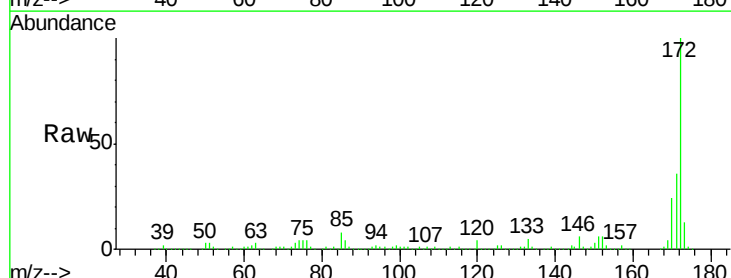
Instrument :
 BNA_F
 ClientSampleId :

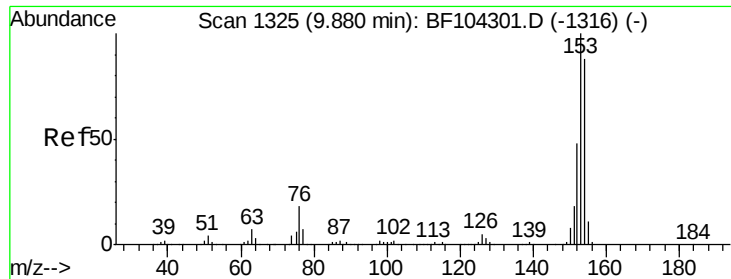
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	32.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 93.515 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104589.D
 Acq: 18 Apr 2018 9:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.4	19.6	29.4





#51

Acenaphthene

Concen: 3.224 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104589.D

Acq: 18 Apr 2018 9:46

Instrument :

BNA_F

ClientSampleId :

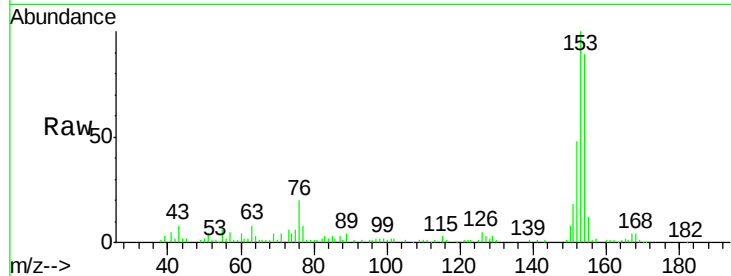
Tot Ion:154 Resp: 49138

Ion Ratio Lower Upper

154 100

153 111.9 91.2 136.8

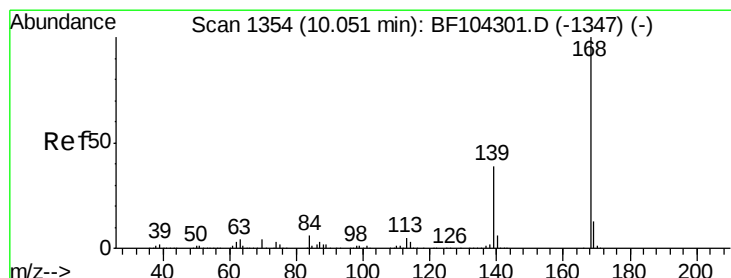
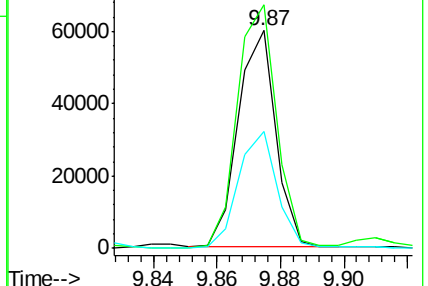
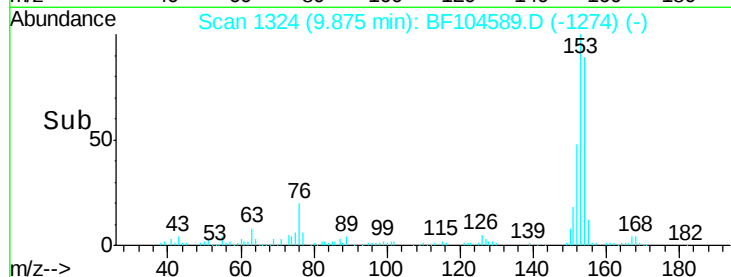
152 54.0 43.8 65.8



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: 2.771 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF104589.D

Acq: 18 Apr 2018 9:46

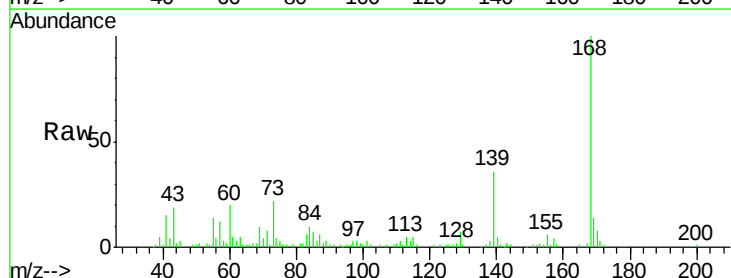
Tgt Ion:168 Resp: 58855

Ion Ratio Lower Upper

168 100

139 36.5 30.1 45.1

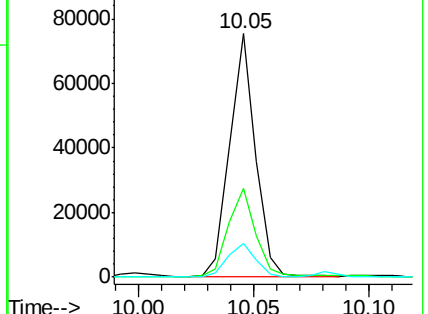
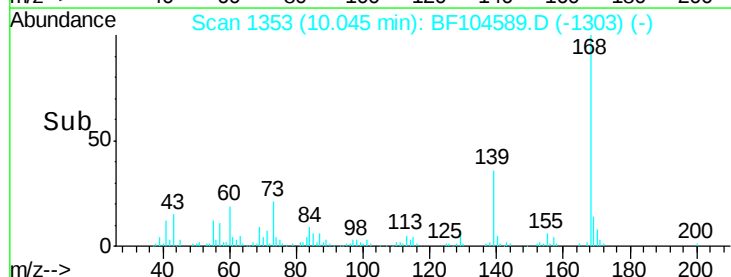
169 13.7 10.9 16.3

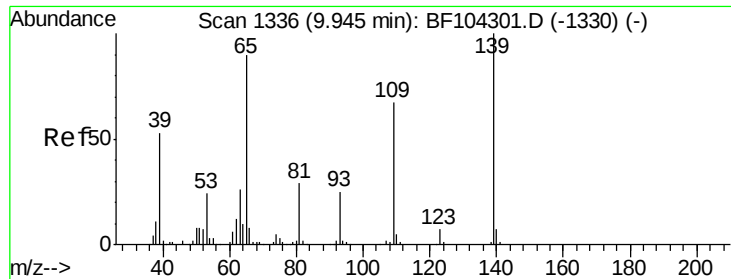


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

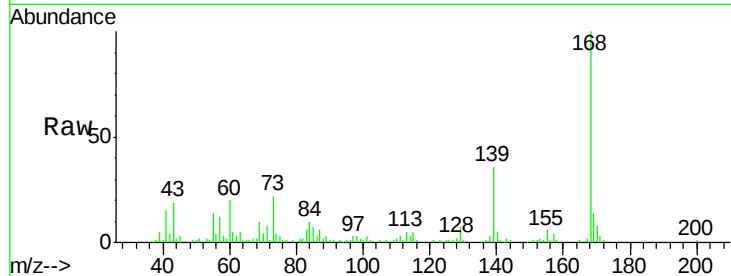




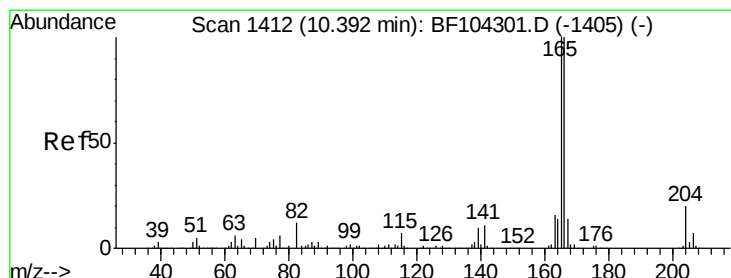
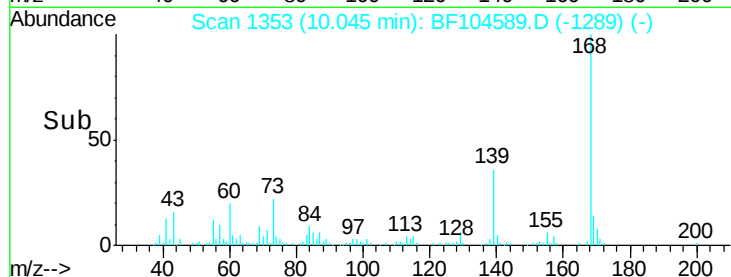
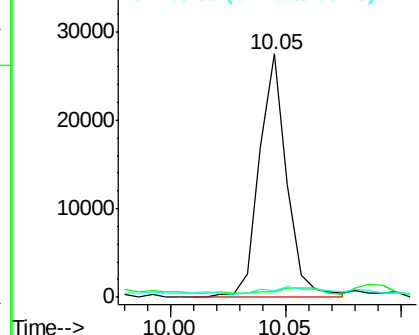
#55
4-Nitrophenol
Concen: 7.129 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.08 min
Lab File: BF104589.D
Acq: 18 Apr 2018 9:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	2.5	48.4	88.4#
65	3.0	72.6	112.6#

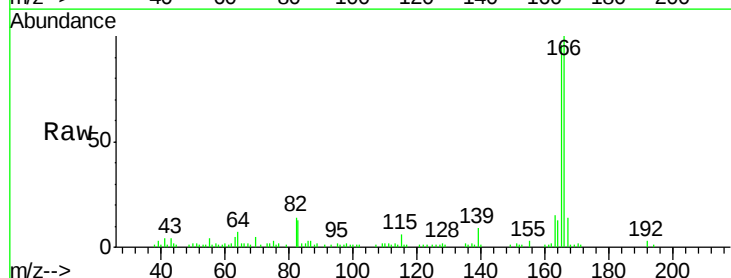


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

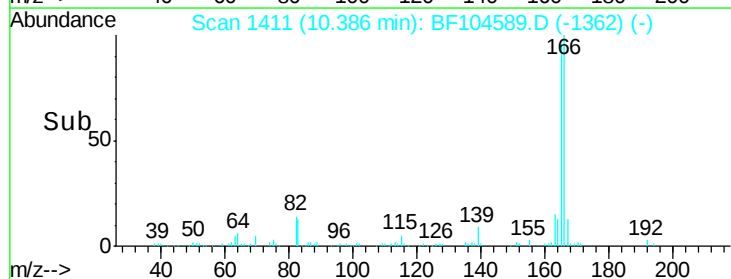
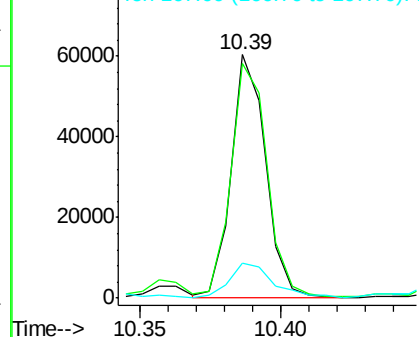


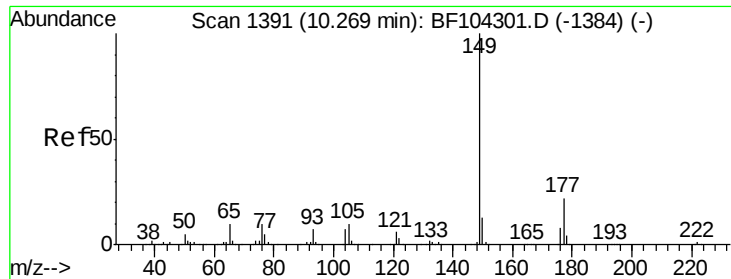
#57
Fluorene
Concen: 3.309 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF104589.D
Acq: 18 Apr 2018 9:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.2	79.8	119.8
167	14.4	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

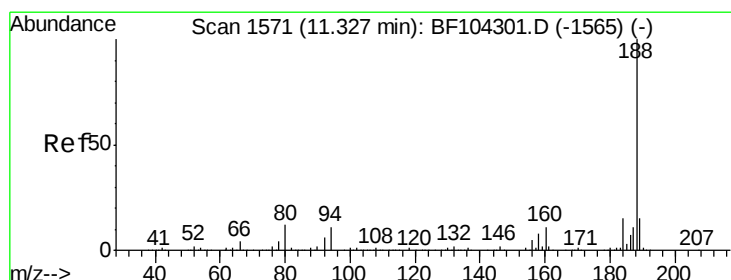
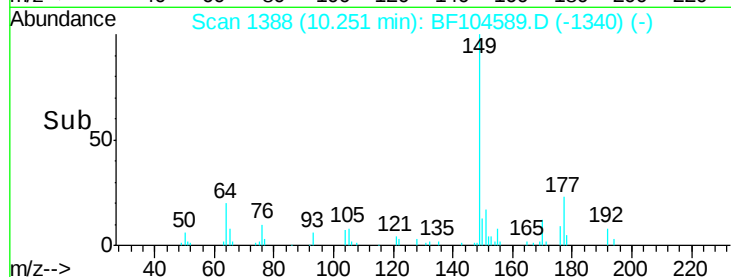
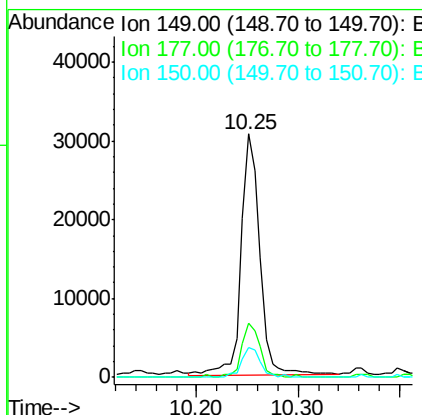
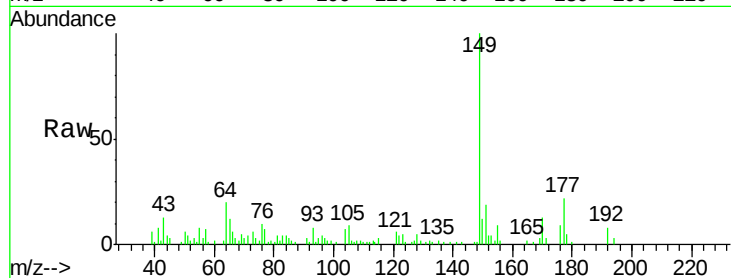




#59
Diethylphthalate
Concen: 2.093 ng
RT: 10.25 min Scan# 1388
Delta R.T. -0.02 min
Lab File: BF104589.D
Acq: 18 Apr 2018 9:46

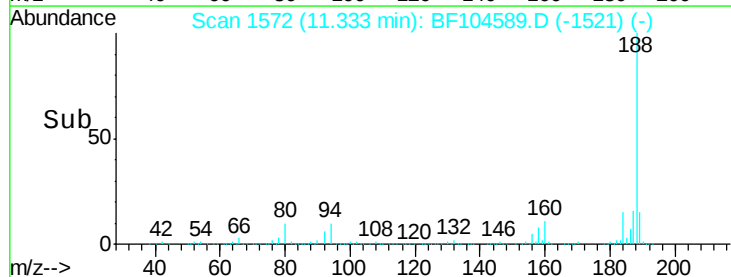
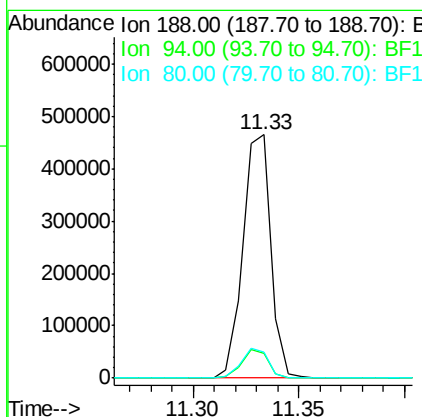
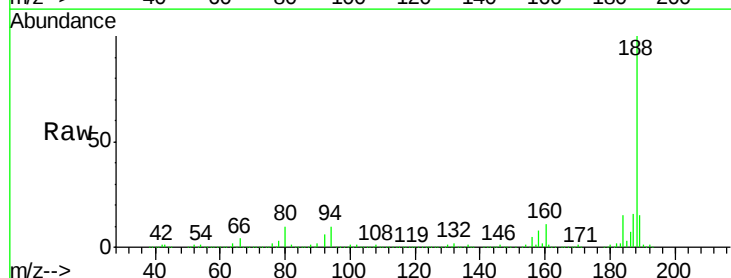
Instrument :
BNA_F
ClientSampleId :

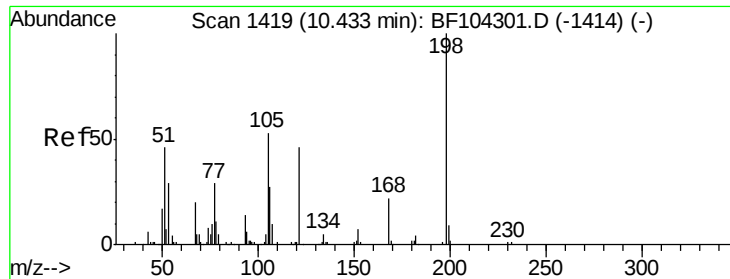
Tot Ion:149 Resp: 39440
Ion Ratio Lower Upper
149 100
177 22.5 16.1 24.1
150 12.4 10.1 15.1



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104589.D
Acq: 18 Apr 2018 9:46

Tgt Ion:188 Resp: 425362
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.4 9.2 13.8

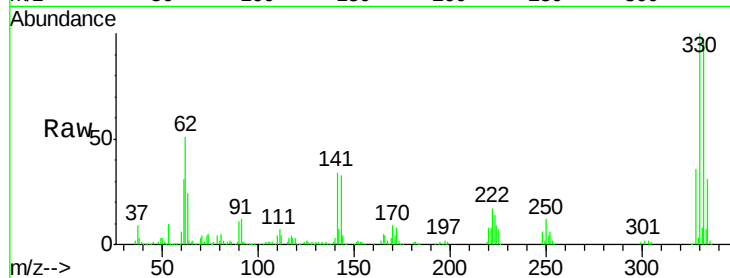




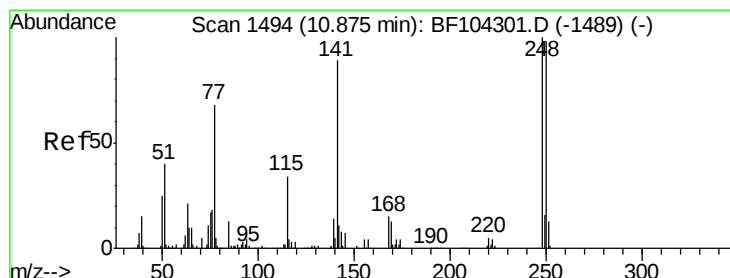
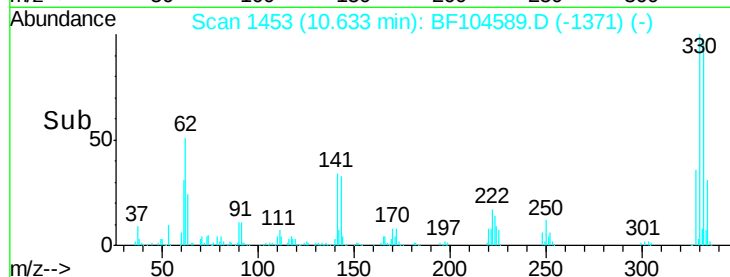
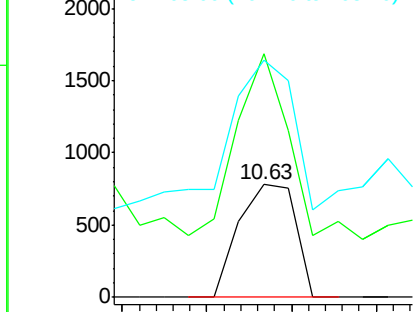
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.644 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104589.D
 Acq: 18 Apr 2018 9:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 727
 Ion Ratio Lower Upper
 198 100
 51 215.7 37.7 77.7#
 105 210.5 36.3 76.3#

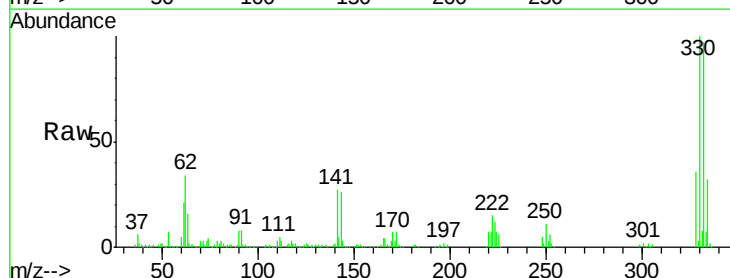


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

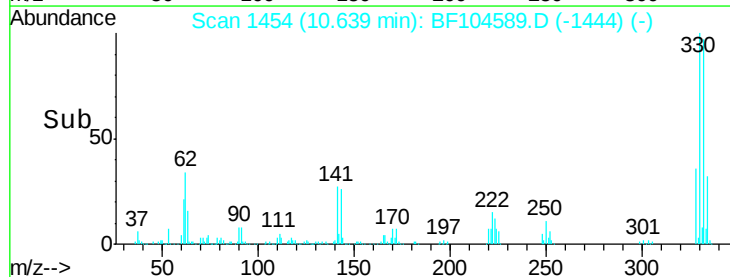
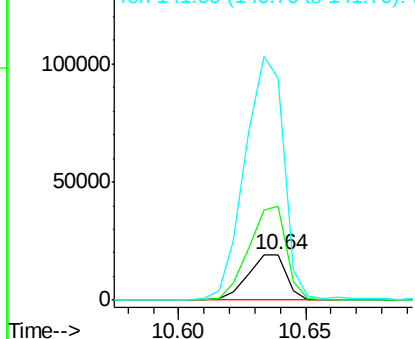


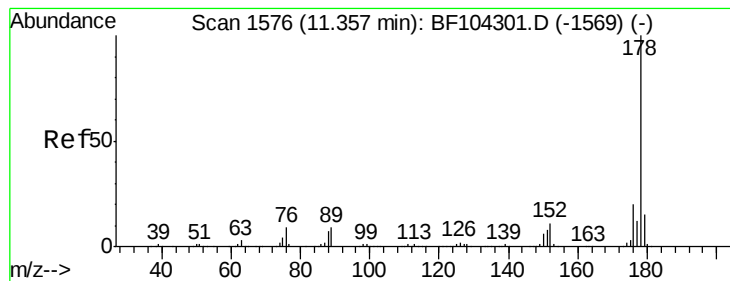
#66
 4-Bromophenyl-phenylether
 Concen: 4.498 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF104589.D
 Acq: 18 Apr 2018 9:46

Tgt Ion:248 Resp: 20352
 Ion Ratio Lower Upper
 248 100
 250 207.2 76.9 115.3#
 141 491.8 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: 4.664 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF104589.D

Acq: 18 Apr 2018 9:46

Instrument :

BNA_F

ClientSampleId :

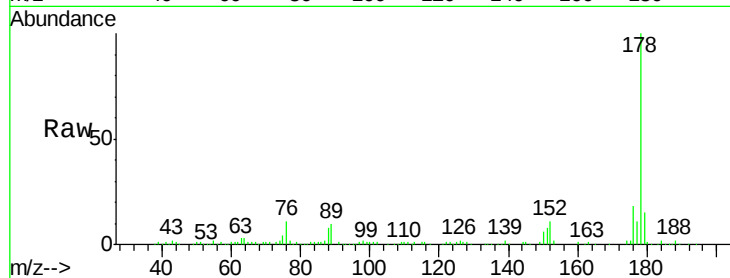
Tot Ion:178 Resp: 110492

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

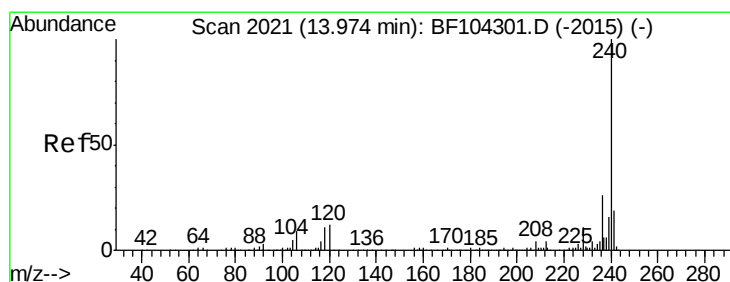
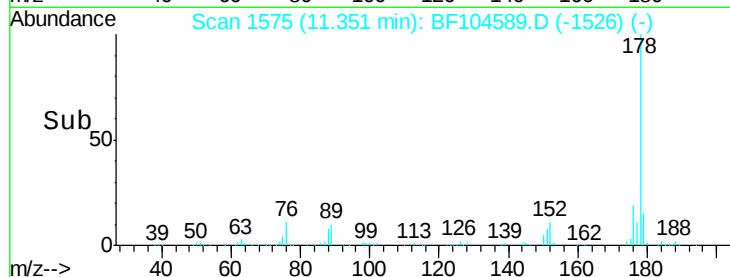
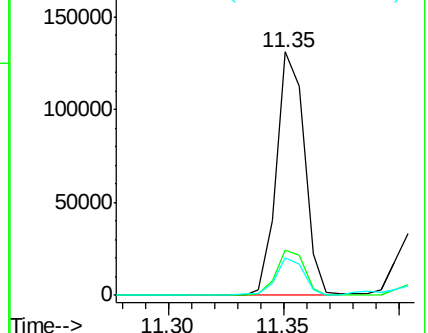
179 15.3 13.0 19.6



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104589.D

Acq: 18 Apr 2018 9:46

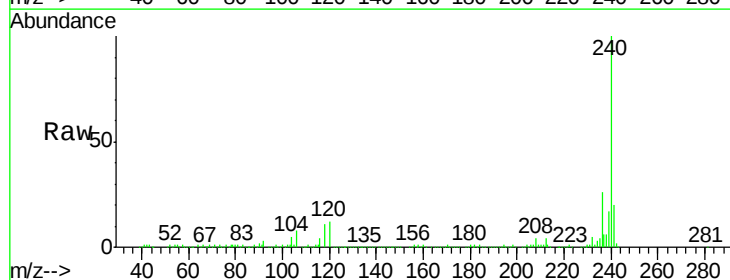
Tgt Ion:240 Resp: 302058

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

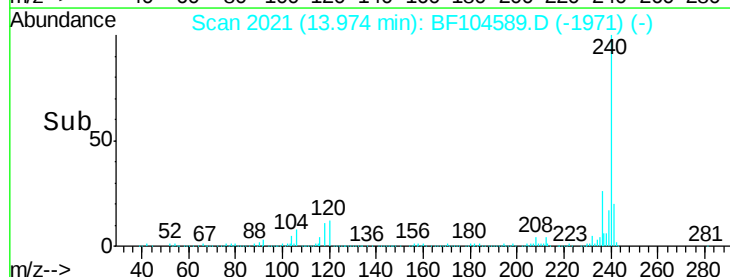
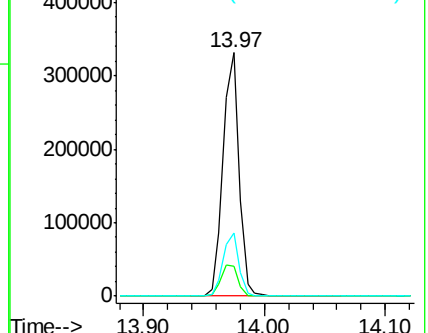
236 26.1 20.7 31.1

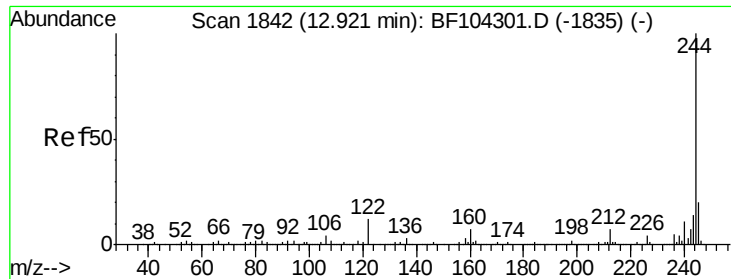


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 102.932 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104589.D

Acq: 18 Apr 2018 9:46

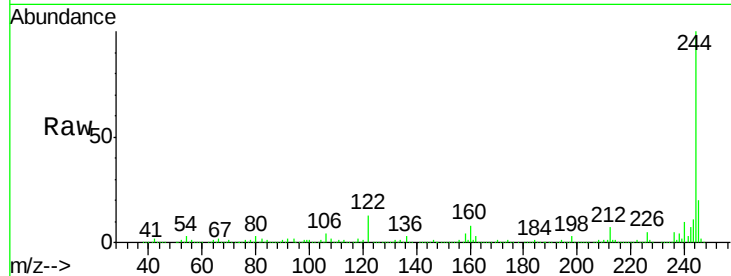
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1363757

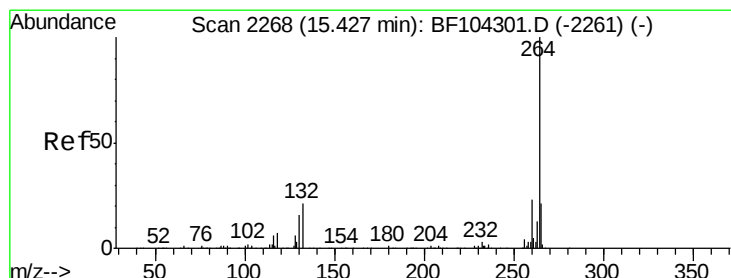
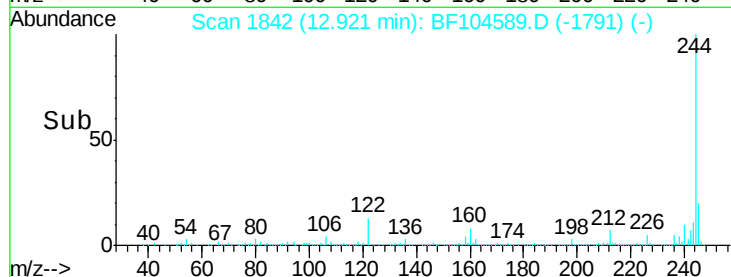
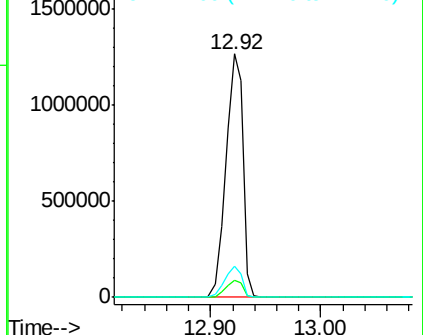
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.6	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

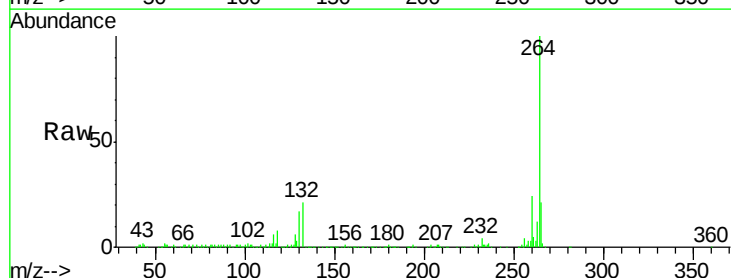
Delta R.T. -0.01 min

Lab File: BF104589.D

Acq: 18 Apr 2018 9:46

Tgt Ion:264 Resp: 251926

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.1	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

