

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104590.D
 Acq On : 18 Apr 2018 10:13
 Operator : JU/SJ
 Sample : J2387-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 11:53:42 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	133433	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	550235	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	252862	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	451353	20.00	ng	0.00
75) Chrysene-d12	13.97	240	313200	20.00	ng	0.00
86) Perylene-d12	15.43	264	259704	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	466772	53.49	ng	0.00
7) Phenol-d6	6.43	99	338383	31.56	ng	0.00
23) Nitrobenzene-d5	7.37	82	834666	99.05	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	329330	125.55	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1374977	85.90	ng	0.00
78) Terphenyl-d14	12.92	244	1320778	96.14	ng	0.00

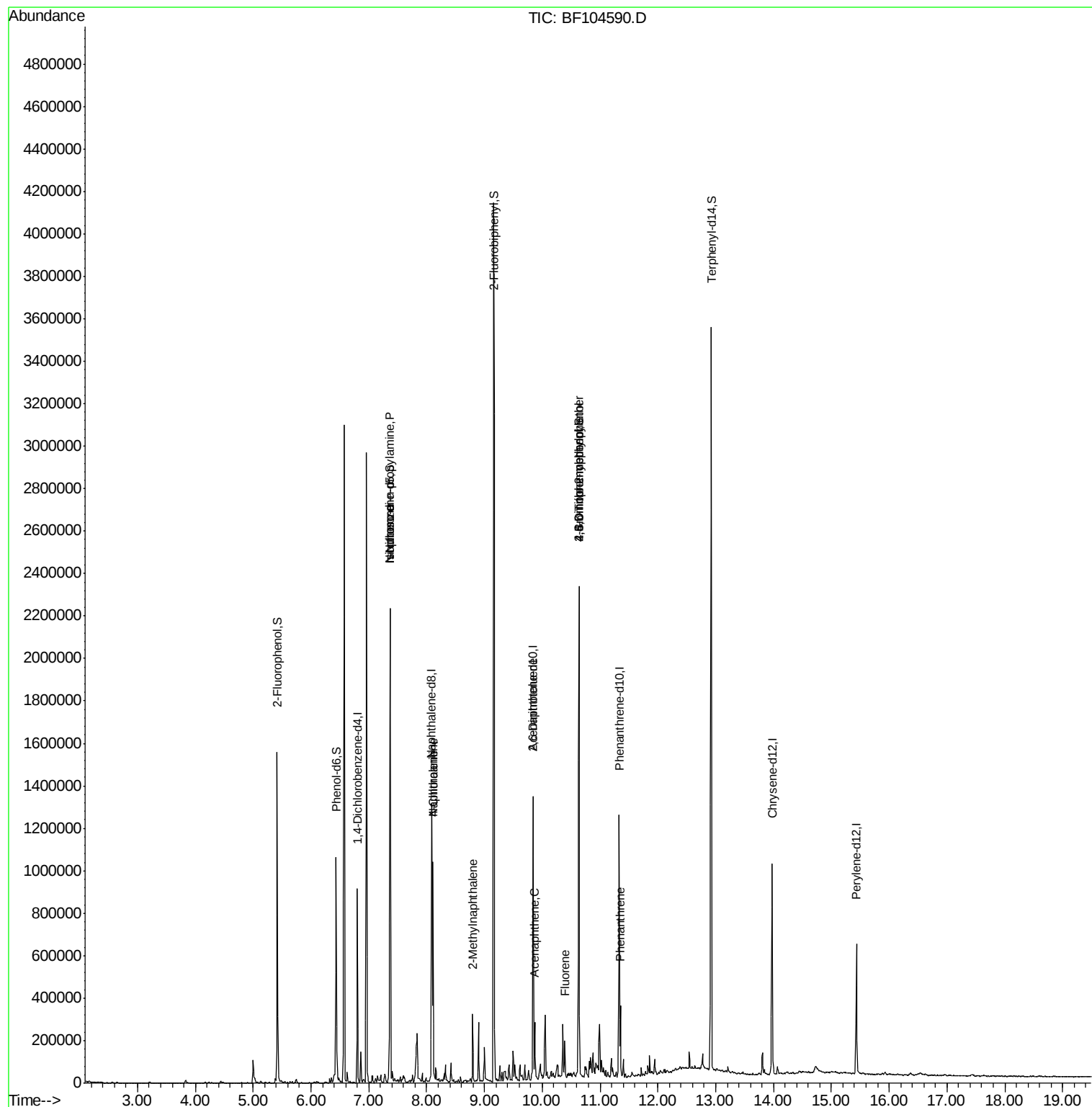
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	3936	Below Cal		# 68
19) n-Nitroso-di-n-propylamine	7.37	70	109977	15.697	ng	# 73
25) Isophorone	7.37	82	834655	46.841	ng	# 64
31) Naphthalene	8.11	128	468256	17.090	ng	# 100
33) 4-Chloroaniline	8.11	127	62815	5.351	ng	# 34
37) 2-Methylnaphthalene	8.80	142	73002	4.119	ng	# 99
50) 2,6-Dinitrotoluene	9.84	165	34645	9.390	ng	# 25
51) Acenaphthene	9.87	154	49738	3.097	ng	# 97
57) Fluorene	10.39	166	37330	2.291	ng	# 98
64) 4,6-Dinitro-2-methylphenol	10.63	198	658	7.601	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	19487	4.059	ng	# 1
70) Phenanthrene	11.35	178	109108	4.341	ng	# 97
76) Benzidine	12.92	184	17358	Below Cal		# 95

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

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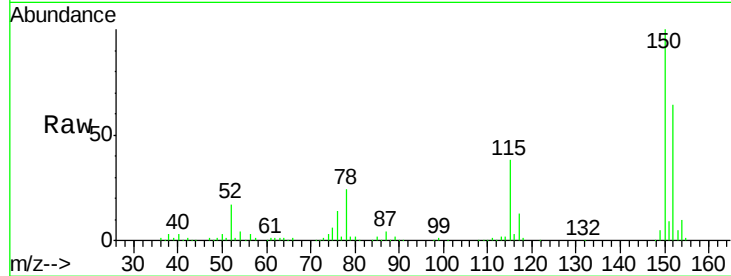


#1

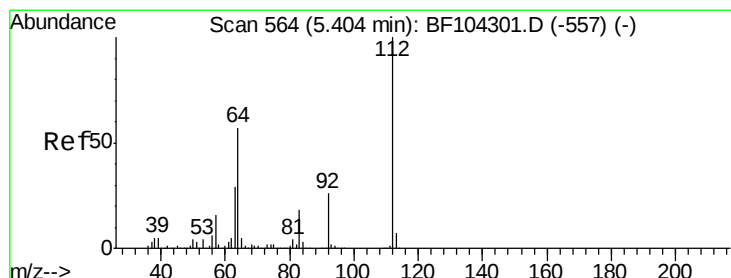
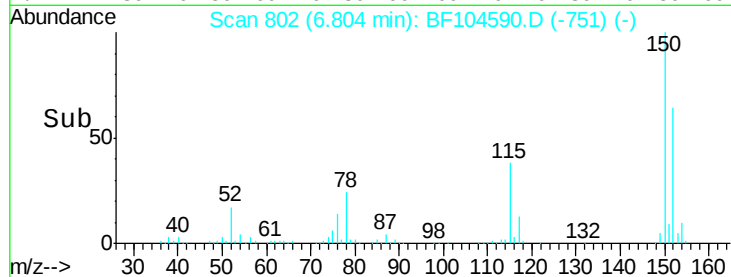
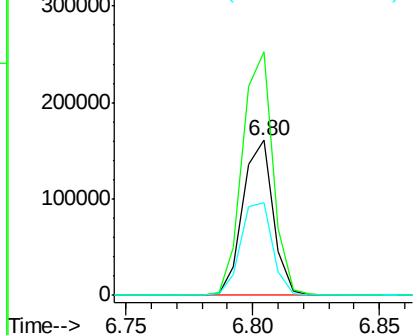
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104590.D
Acq: 18 Apr 2018 10:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 133433
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 59.9 50.1 75.1



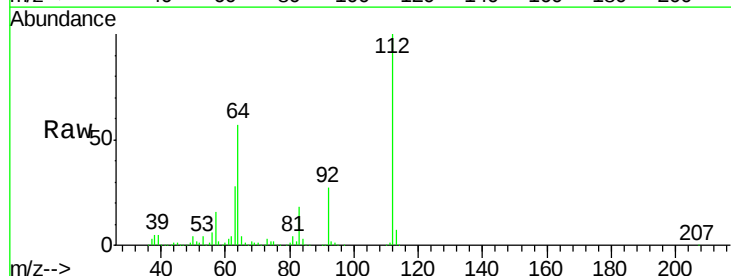
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



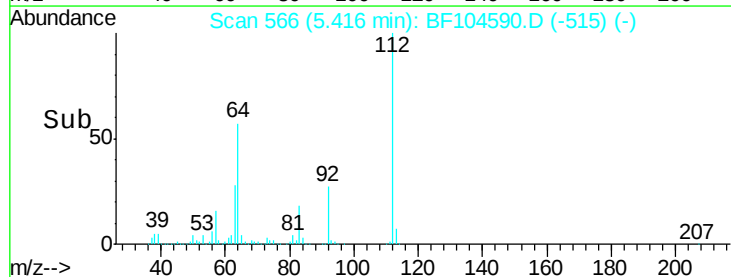
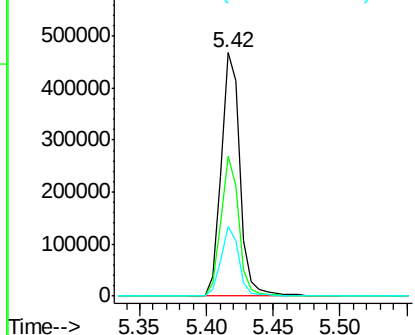
#5

2-Fluorophenol
Concen: 53.489 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104590.D
Acq: 18 Apr 2018 10:13

Tgt Ion:112 Resp: 466772
Ion Ratio Lower Upper
112 100
64 57.3 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: 31.560 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104590.D

Acq: 18 Apr 2018 10:13

Instrument :

BNA_F

ClientSampled :

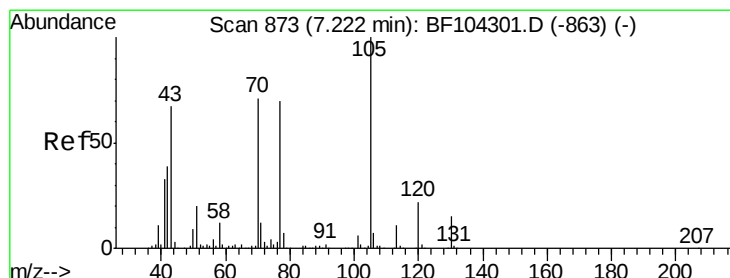
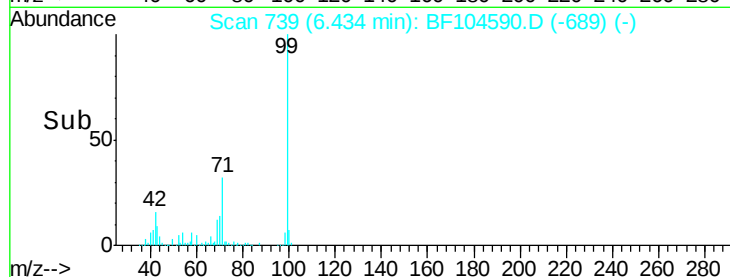
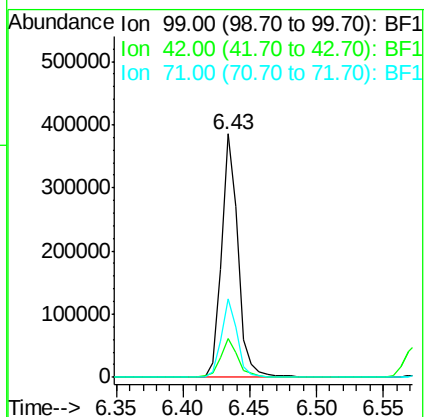
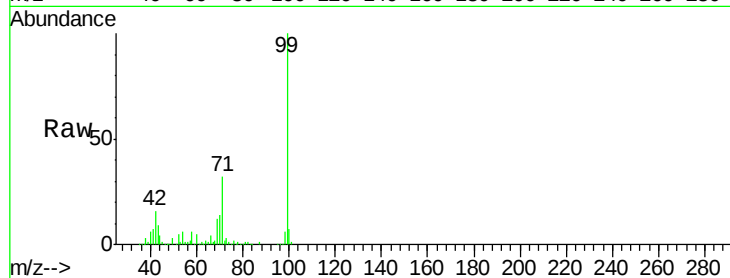
Tot Ion: 99 Resp: 338383

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

71 32.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.697 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104590.D

Acq: 18 Apr 2018 10:13

Tgt Ion: 70 Resp: 109977

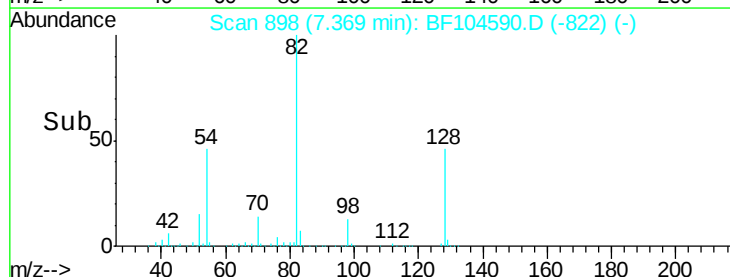
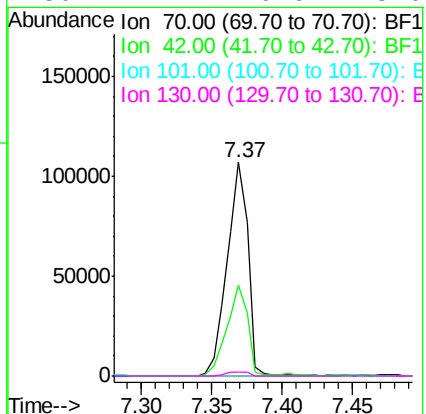
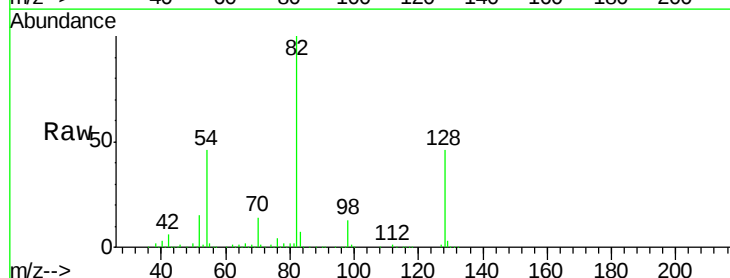
Ion Ratio Lower Upper

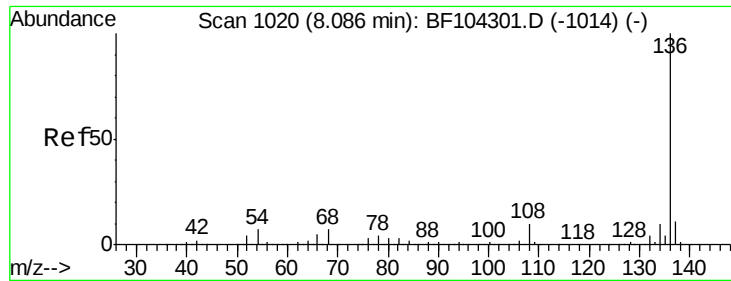
70 100

42 42.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

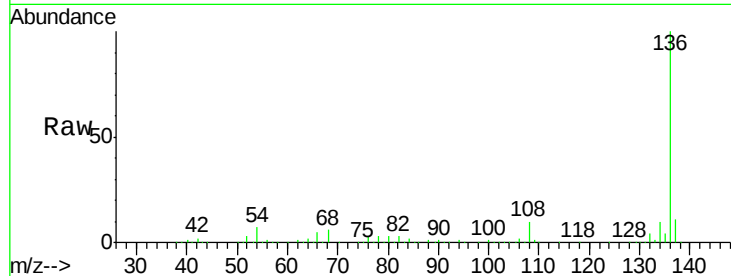




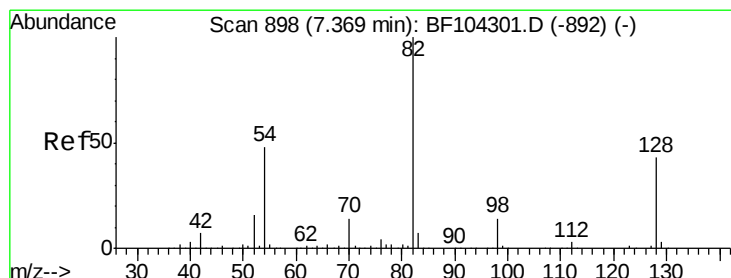
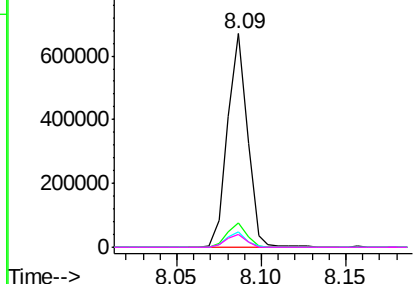
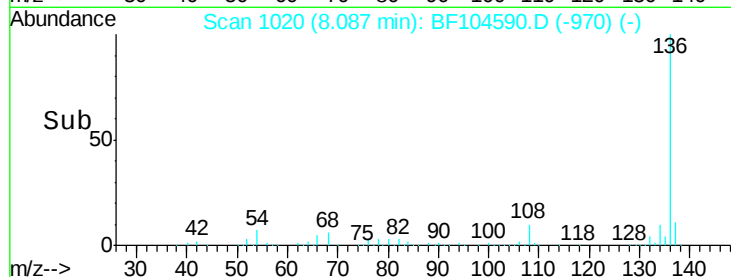
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104590.D
Acq: 18 Apr 2018 10:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	550235
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	7.1	6.6 9.8
68	6.1	5.0 7.4

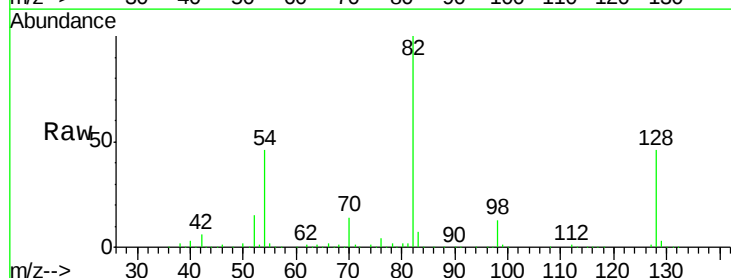


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

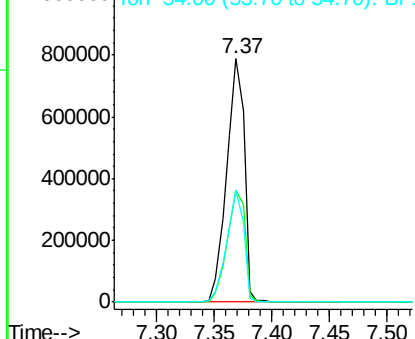
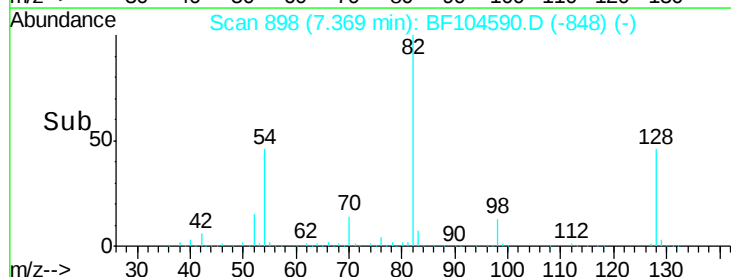


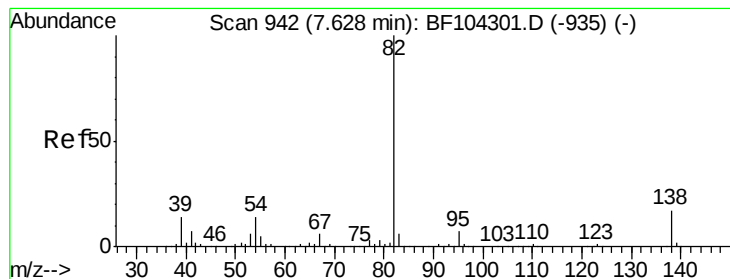
#23
Nitrobenzene-d5
Concen: 99.052 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104590.D
Acq: 18 Apr 2018 10:13

Tgt Ion: 82	Resp:	834666
Ion Ratio	Lower	Upper
82	100	
128	45.9	36.1 54.1
54	46.0	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: 46.841 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104590.D

Acq: 18 Apr 2018 10:13

Instrument :

BNA_F

ClientSampleId :

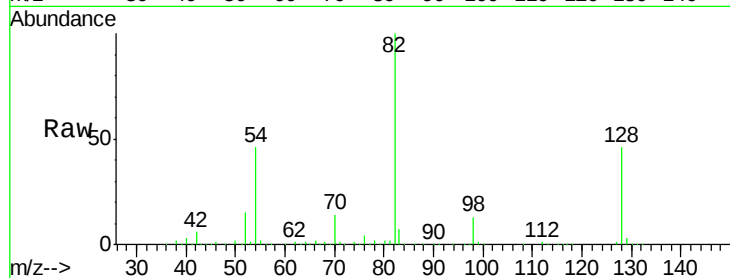
Tot Ion: 82 Resp: 834655

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

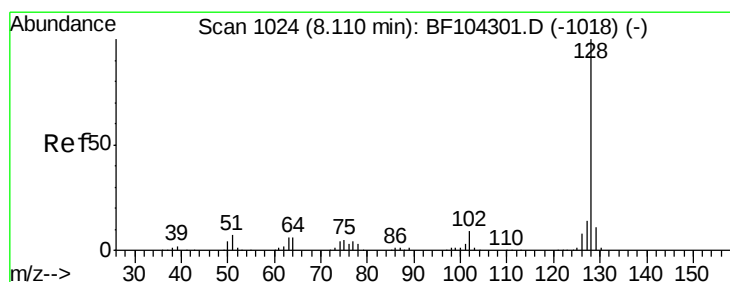
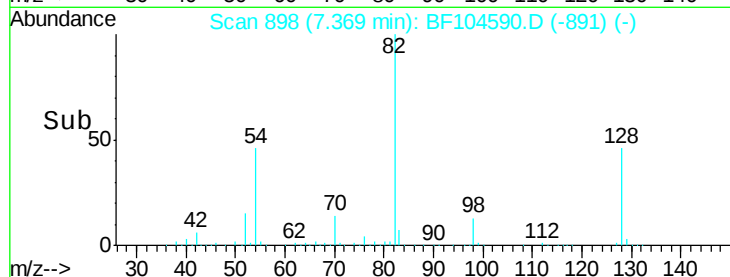
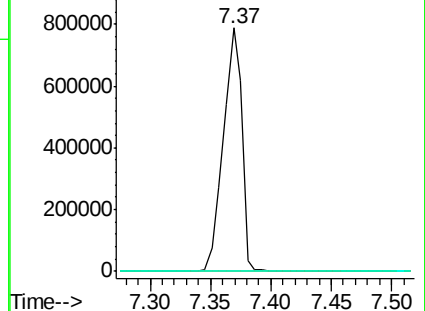
138 0.0 14.9 22.3#



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: 17.090 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF104590.D

Acq: 18 Apr 2018 10:13

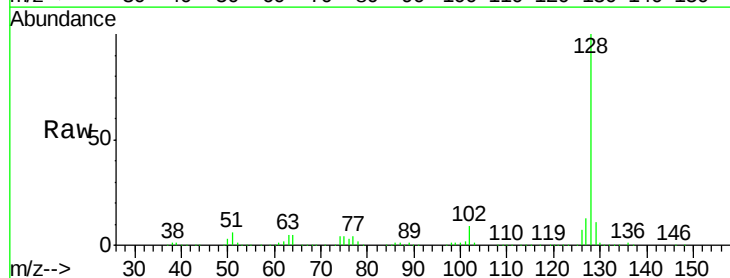
Tgt Ion: 128 Resp: 468256

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

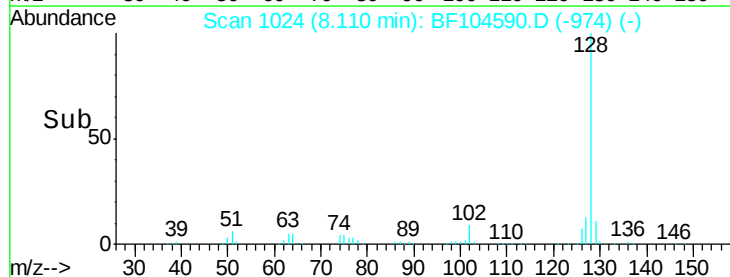
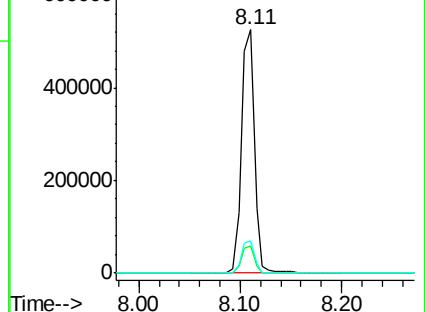
127 13.3 10.9 16.3

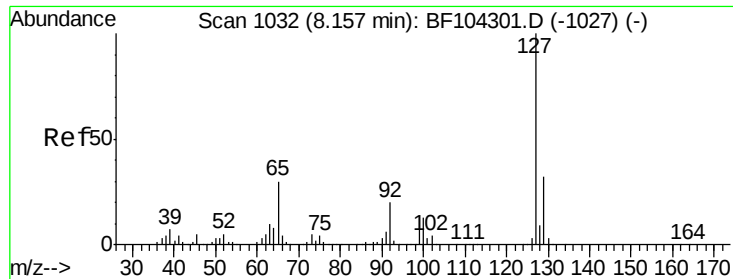


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

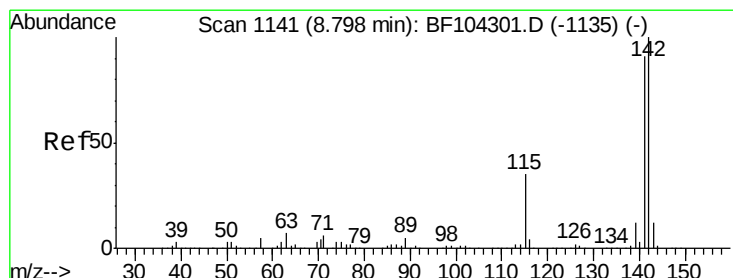
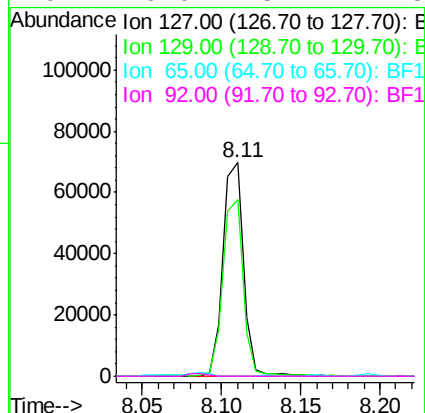
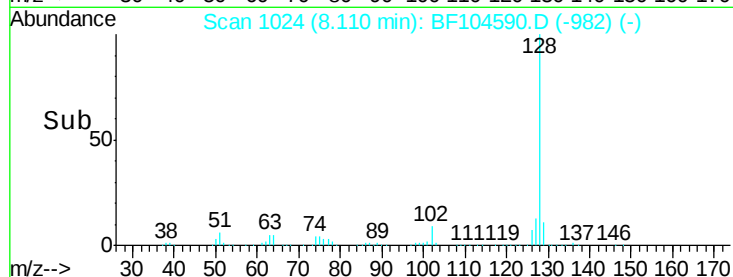
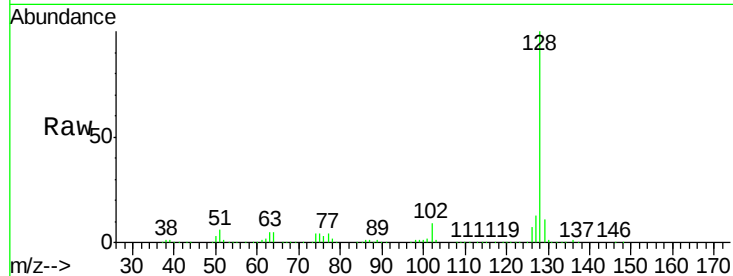




#33
4-Chloroaniline
Concen: 5.351 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.05 min
Lab File: BF104590.D
Acq: 18 Apr 2018 10:13

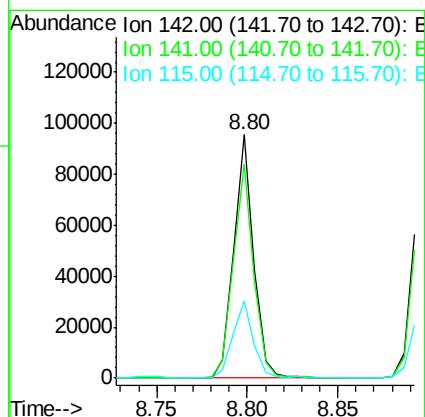
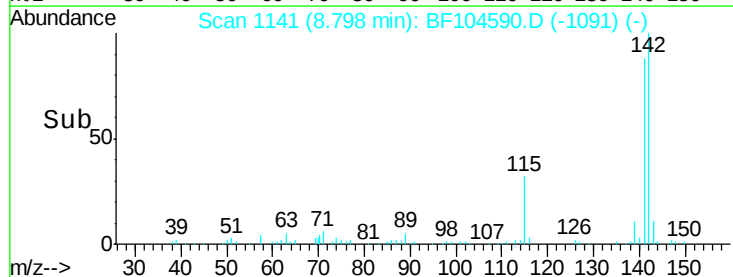
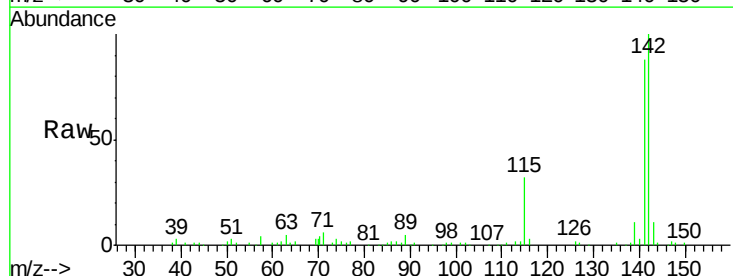
Instrument :
BNA_F
ClientSampled :

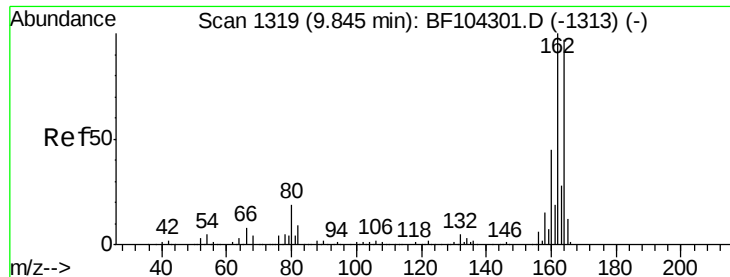
Tot Ion:127 Resp: 62815
Ion Ratio Lower Upper
127 100
129 82.9 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



#37
2-Methylnaphthalene
Concen: 4.119 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF104590.D
Acq: 18 Apr 2018 10:13

Tgt Ion:142 Resp: 73002
Ion Ratio Lower Upper
142 100
141 88.1 70.8 106.2
115 31.6 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104590.D

Acq: 18 Apr 2018 10:13

Instrument :

BNA_F

ClientSampleId :

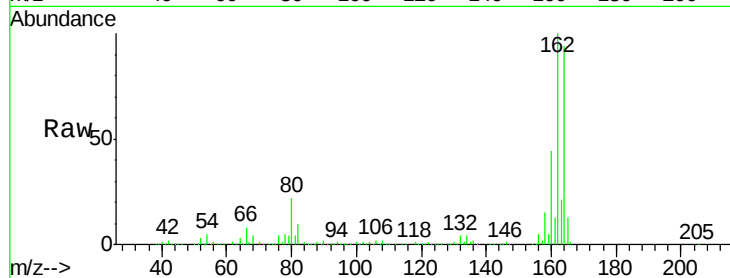
Tot Ion:164 Resp: 252862

Ion Ratio Lower Upper

164 100

162 106.3 86.1 129.1

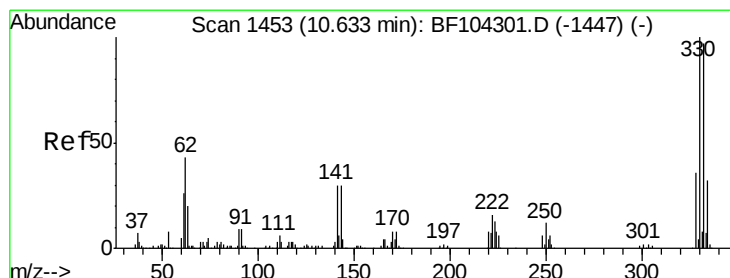
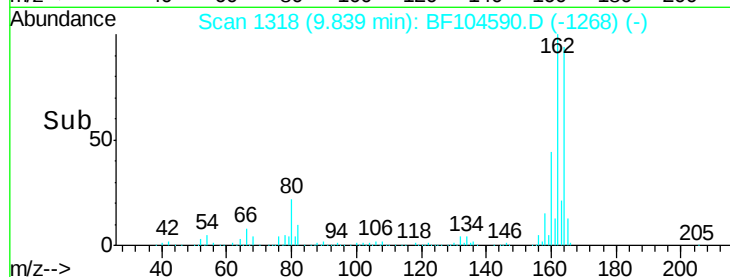
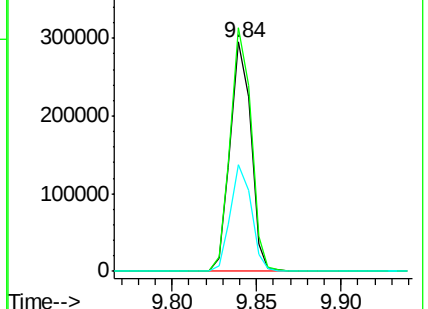
160 46.5 38.3 57.5



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: 125.554 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF104590.D

Acq: 18 Apr 2018 10:13

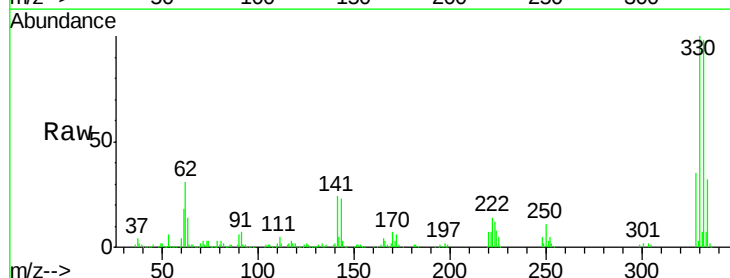
Tgt Ion:330 Resp: 329330

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

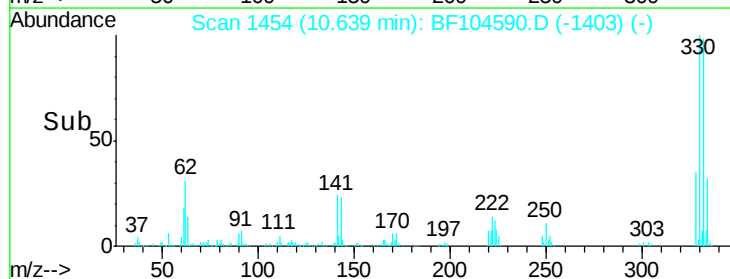
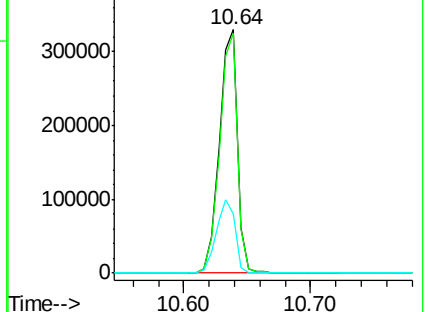
141 31.9 29.9 44.9

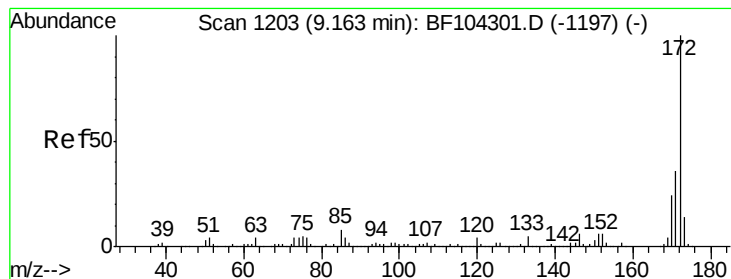


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 85.901 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF104590.D

Acq: 18 Apr 2018 10:13

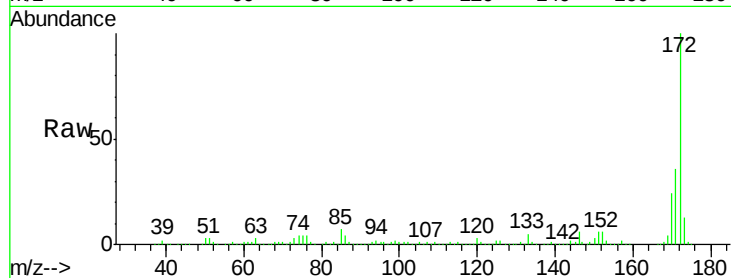
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1374977

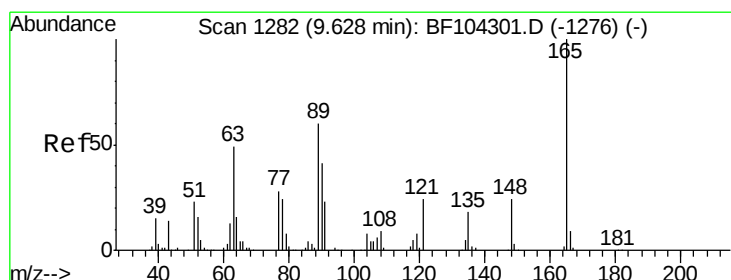
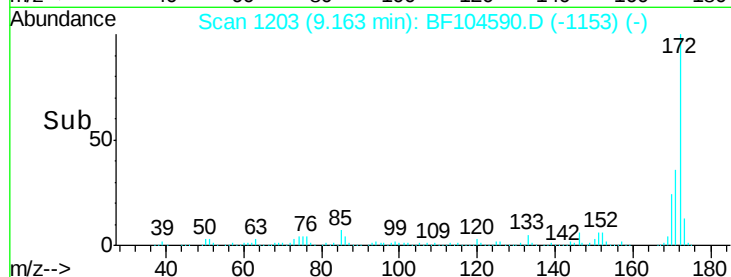
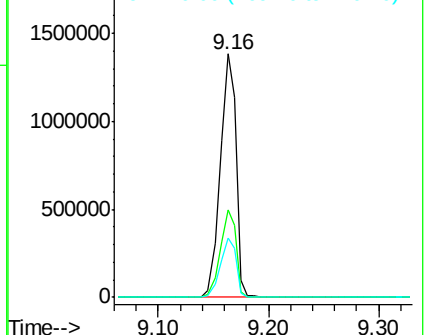
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.2	19.6	29.4



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



#50

2,6-Dinitrotoluene

Concen: 9.390 ng

RT: 9.84 min Scan# 1318

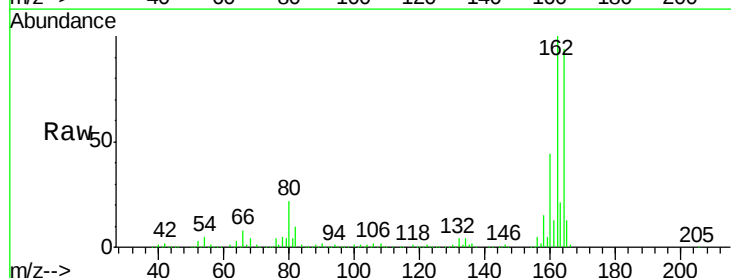
Delta R.T. 0.21 min

Lab File: BF104590.D

Acq: 18 Apr 2018 10:13

Tgt Ion:165 Resp: 34645

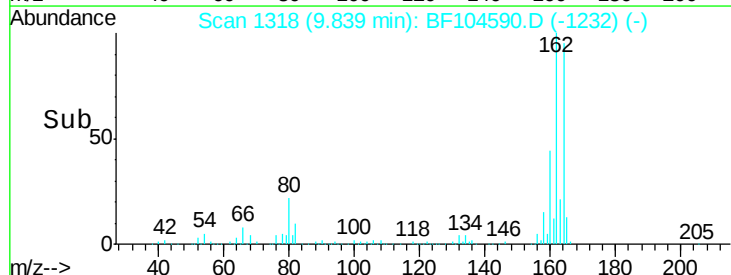
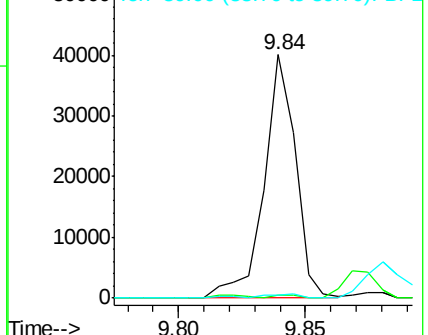
Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.4	44.0	66.0#

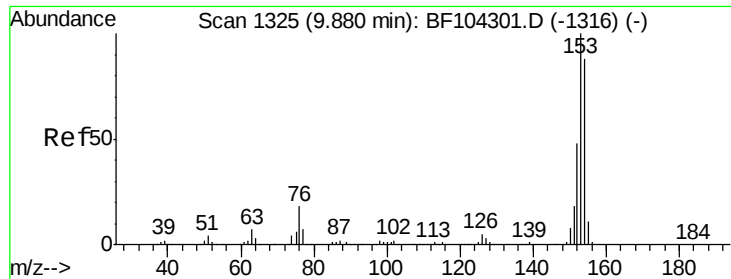


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 3.097 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF104590.D

Acq: 18 Apr 2018 10:13

Instrument :

BNA_F

ClientSampleId :

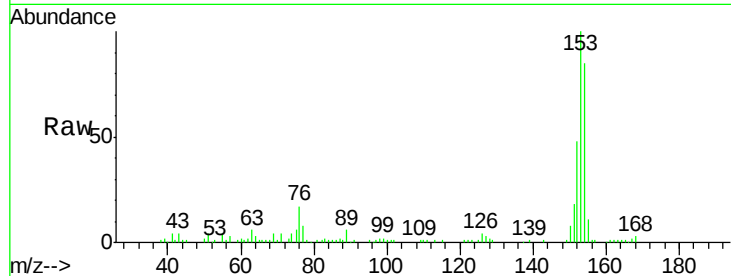
Tot Ion:154 Resp: 49738

Ion Ratio Lower Upper

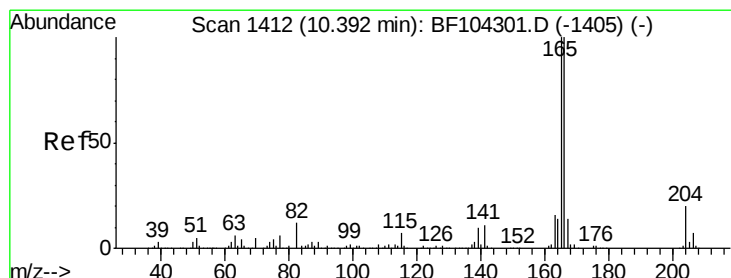
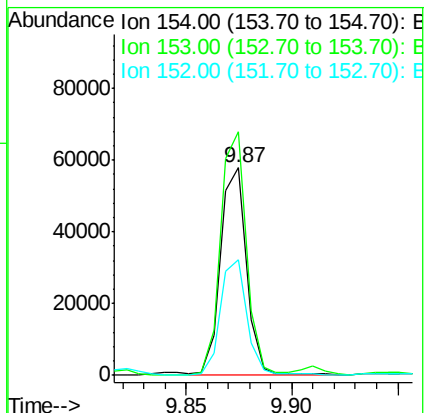
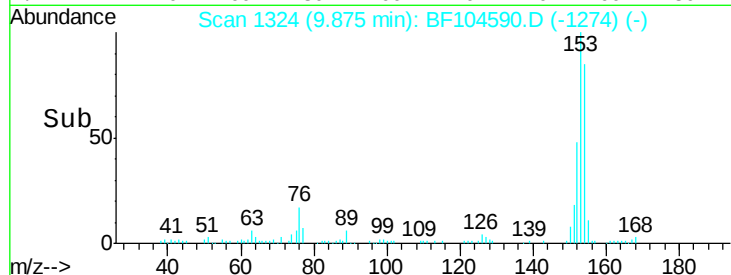
154 100

153 117.3 91.2 136.8

152 55.9 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.291 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF104590.D

Acq: 18 Apr 2018 10:13

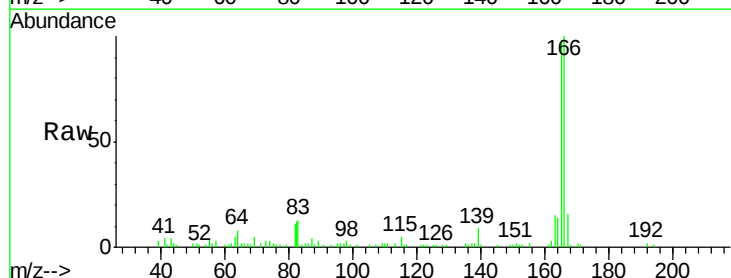
Tgt Ion:166 Resp: 37330

Ion Ratio Lower Upper

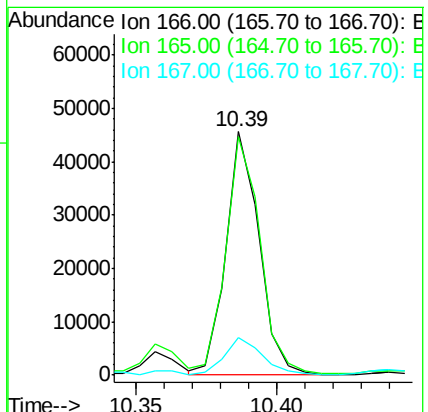
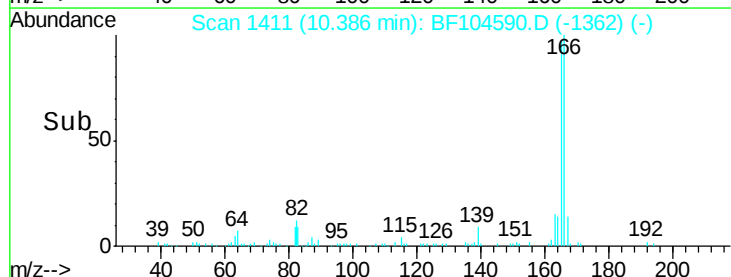
166 100

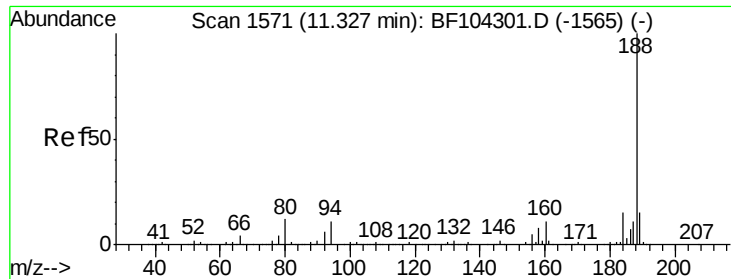
165 97.8 79.8 119.8

167 15.5 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

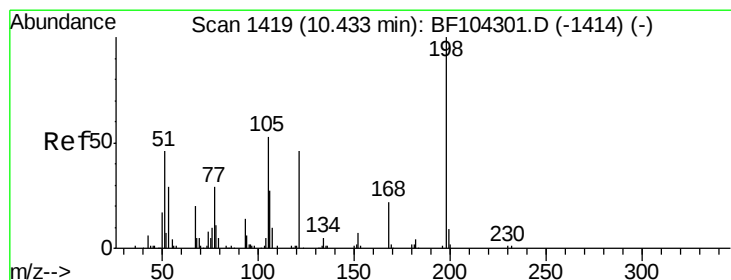
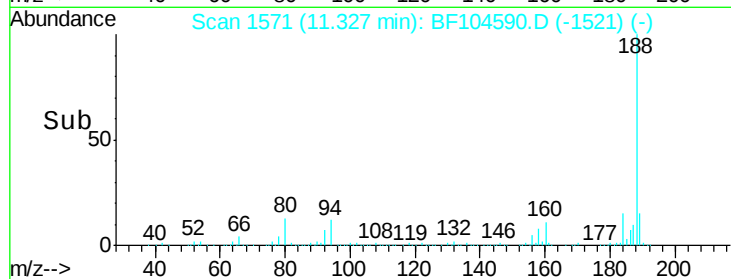
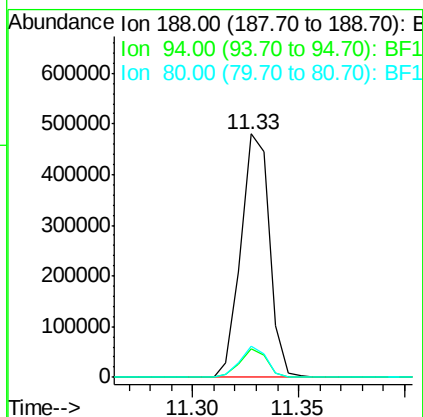
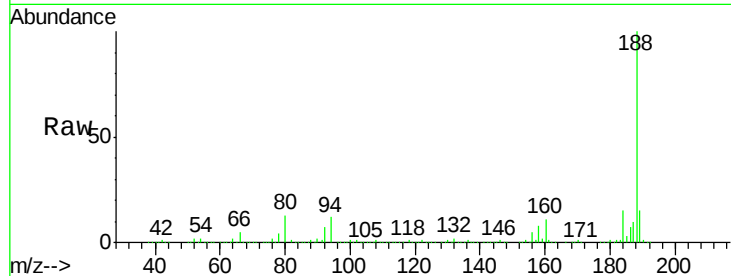




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104590.D
Acq: 18 Apr 2018 10:13

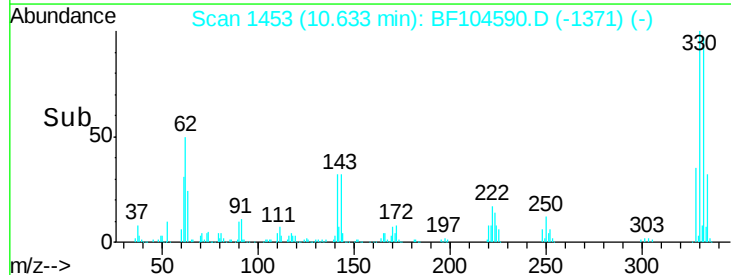
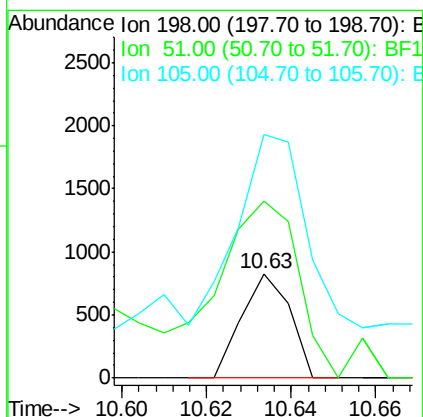
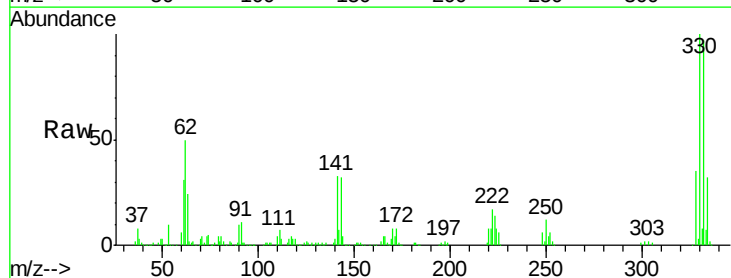
Instrument :
BNA_F
ClientSampleId :

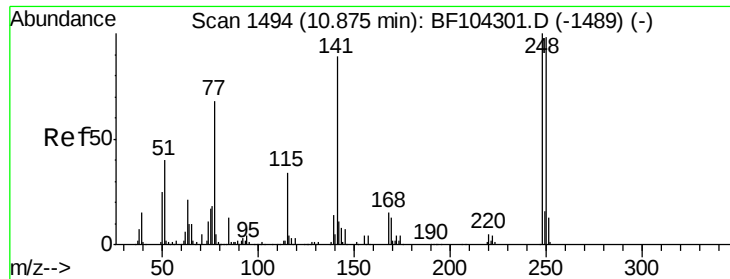
Tot Ion:188 Resp: 451353
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.601 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104590.D
Acq: 18 Apr 2018 10:13

Tgt Ion:198 Resp: 658
Ion Ratio Lower Upper
198 100
51 169.8 37.7 77.7#
105 233.1 36.3 76.3#

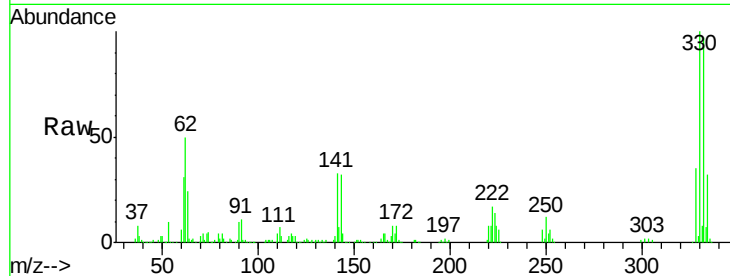




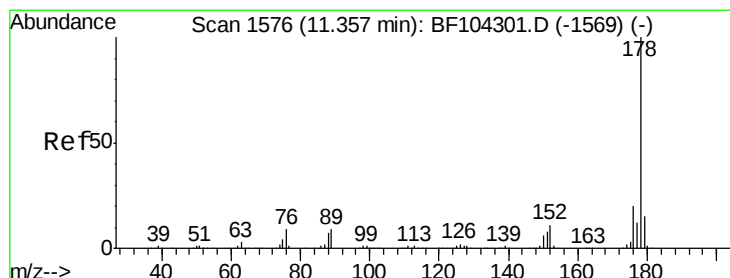
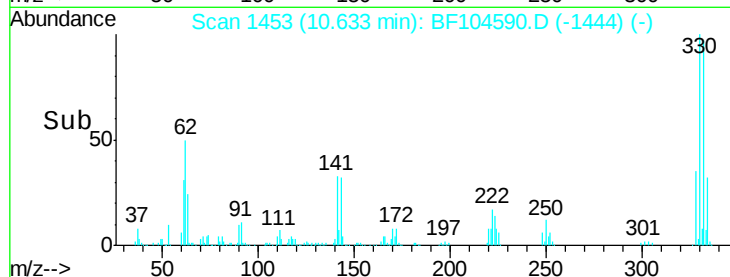
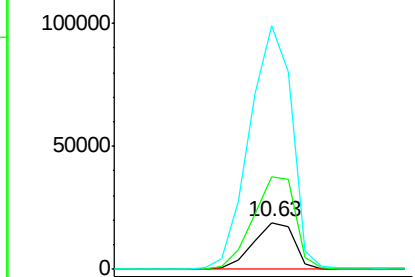
#66
 4-Bromophenyl-phenylether
 Concen: 4.059 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF104590.D
 Acq: 18 Apr 2018 10:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 19487
 Ion Ratio Lower Upper
 248 100
 250 198.4 76.9 115.3#
 141 522.6 74.4 111.6#

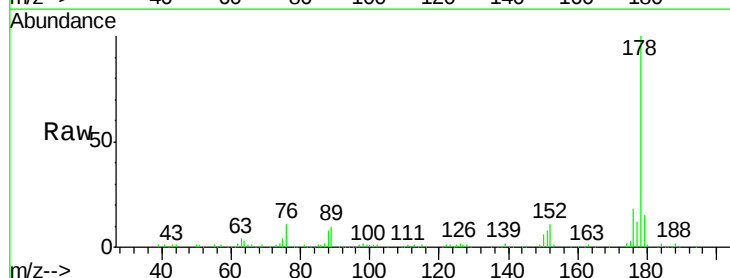


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

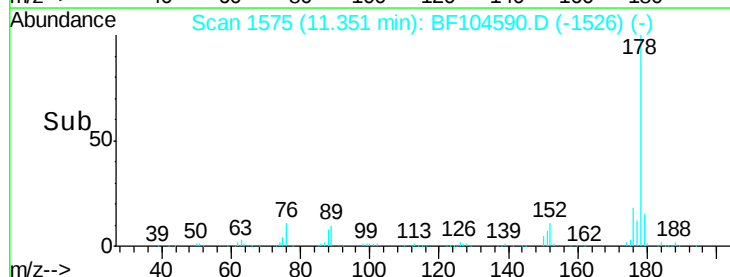
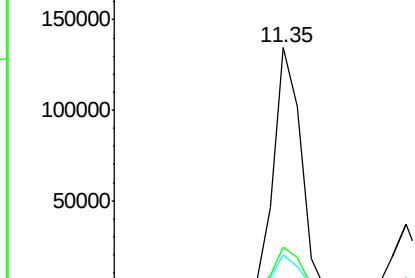


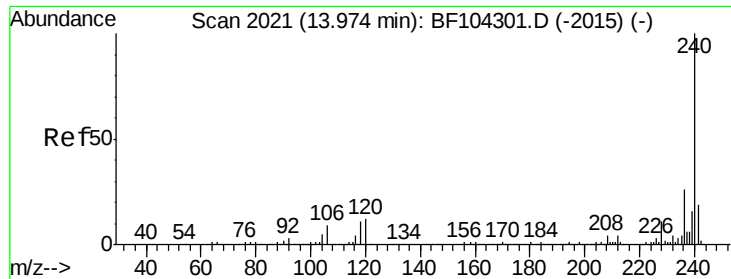
#70
 Phenanthrene
 Concen: 4.341 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF104590.D
 Acq: 18 Apr 2018 10:13

Tgt Ion:178 Resp: 109108
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.8 23.8
 179 15.0 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

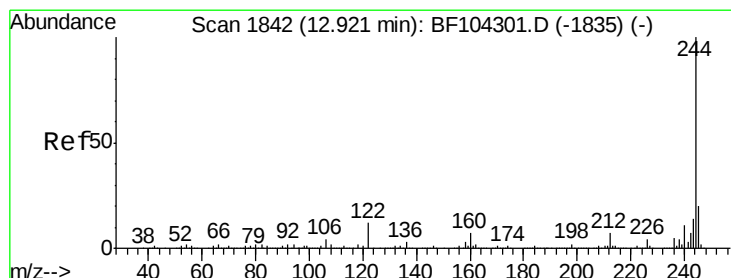
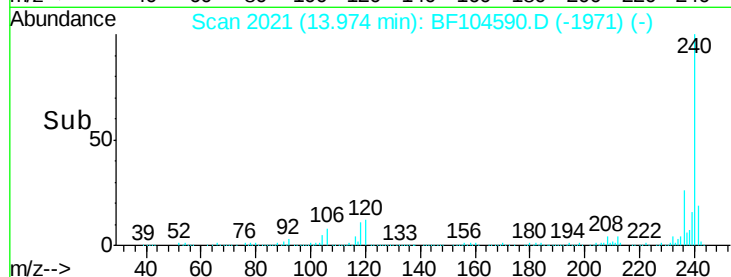
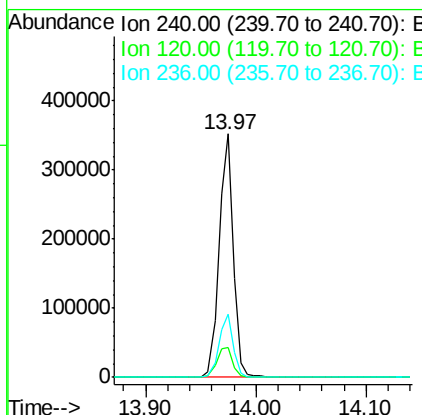
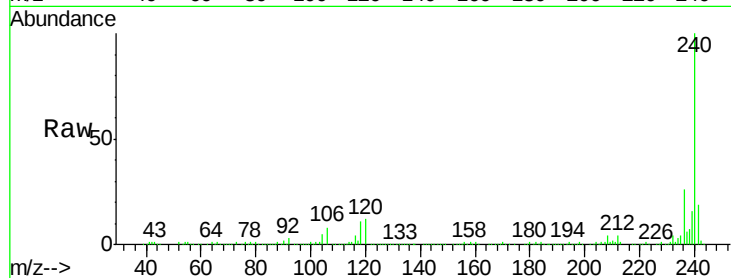




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104590.D
 Acq: 18 Apr 2018 10:13

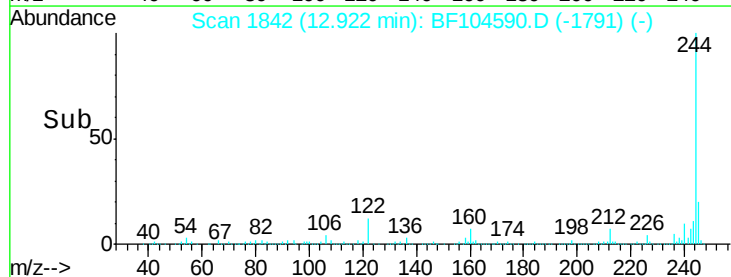
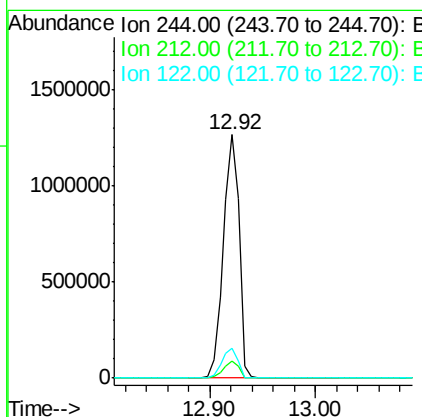
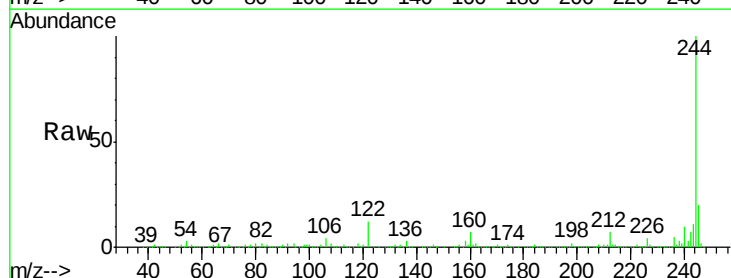
Instrument :
 BNA_F
 ClientSampleId :

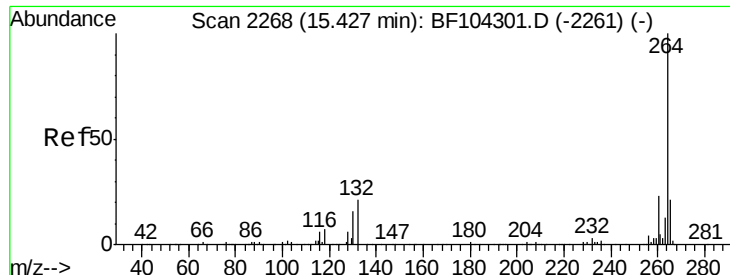
Tot Ion:240 Resp: 313200
 Ion Ratio Lower Upper
 240 100
 120 12.3 9.5 14.3
 236 25.7 20.7 31.1



#78
 Terphenyl-d14
 Concen: 96.141 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF104590.D
 Acq: 18 Apr 2018 10:13

Tgt Ion:244 Resp: 1320778
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.0 11.0 16.4

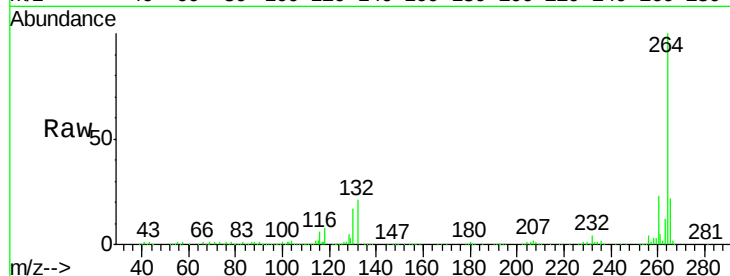




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF104590.D
 Acq: 18 Apr 2018 10:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.1	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

