

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104944.D
 Acq On : 30 Apr 2018 20:21
 Operator : JU/SJ
 Sample : J2597-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 04:37:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 15:20:08 2018
 Response via : Initial Calibration

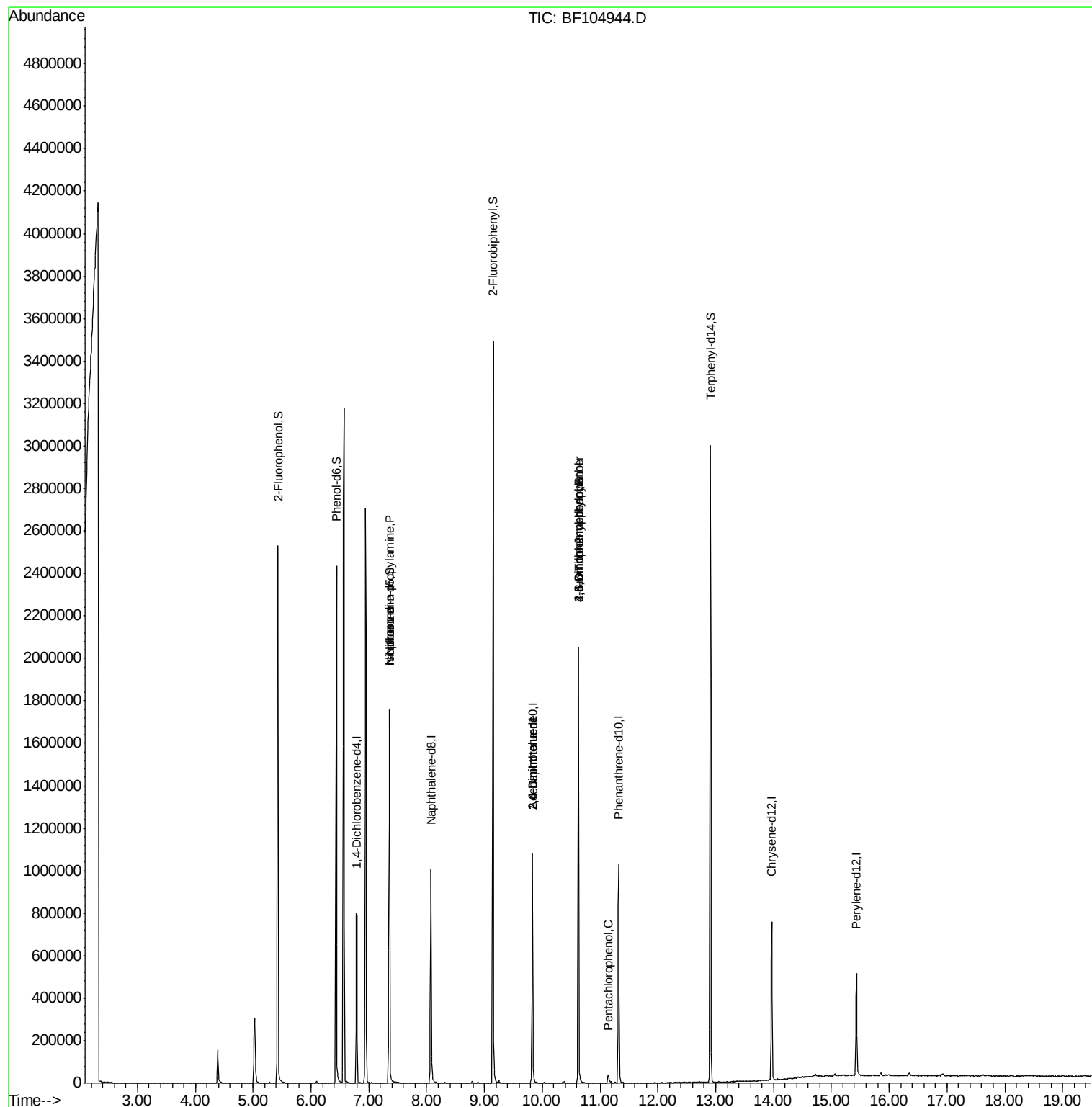
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	128913	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	532973	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	237034	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	396779	20.00	ng	0.00
75) Chrysene-d12	13.97	240	267484	20.00	ng	0.00
86) Perylene-d12	15.43	264	231171	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	889128	105.46	ng	0.02
7) Phenol-d6	6.44	99	990555	95.62	ng	0.00
23) Nitrobenzene-d5	7.36	82	733214	89.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	285213	116.00	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1309530	87.28	ng	0.00
78) Terphenyl-d14	12.91	244	1087583	92.70	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	95932	14.17	ng	# 74
25) Isophorone	7.36	82	733203	42.48	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	29678	8.58	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	29678	6.54	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	456	7.55	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	17171	4.07	ng	# 1
69) Pentachlorophenol	11.14	266	9928	3.38	ng	98
76) Benzidine	12.91	184	14350	Below Cal		97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF104944.D

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ClientSampleId :

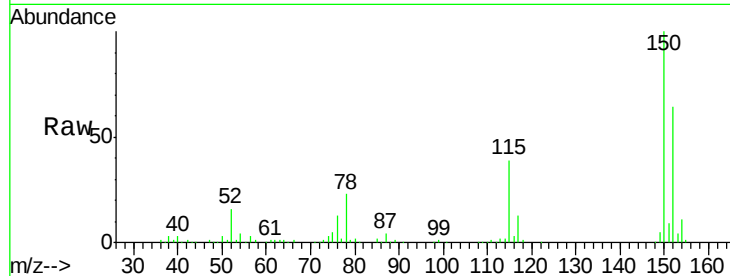
Tot Ion:152 Resp: 128913

Ion Ratio Lower Upper

152 100

150 156.3 124.6 186.8

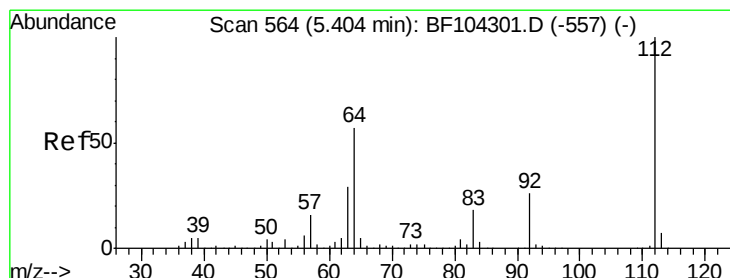
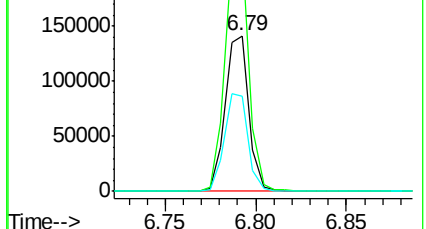
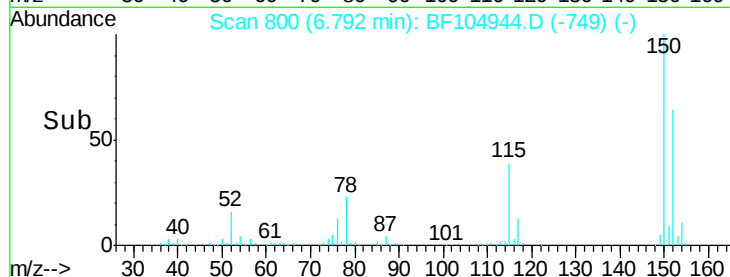
115 61.0 50.1 75.1



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: 105.46 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF104944.D

Acq: 30 Apr 2018 20:21

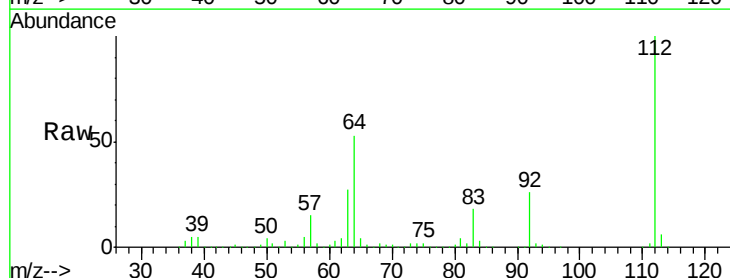
Tgt Ion:112 Resp: 889128

Ion Ratio Lower Upper

112 100

64 52.6 47.9 71.9

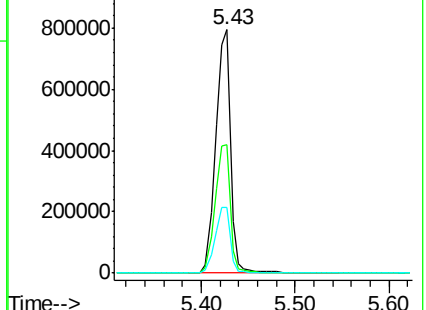
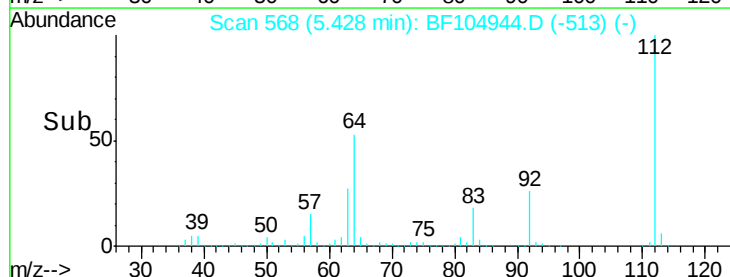
63 26.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.62 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104944.D

Acq: 30 Apr 2018 20:21

Instrument :

BNA_F

ClientSampleId :

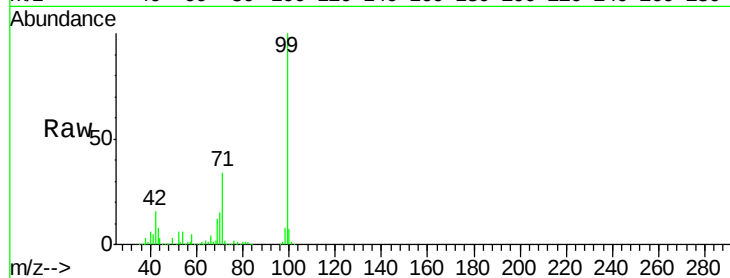
Tot Ion: 99 Resp: 990555

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

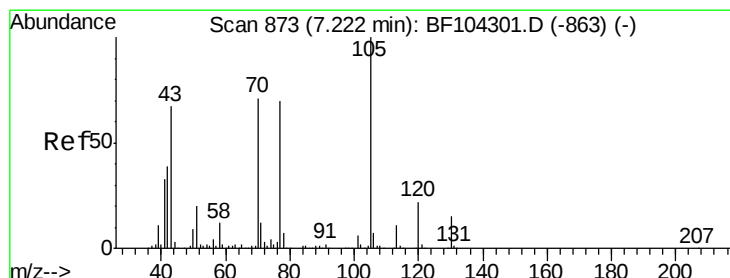
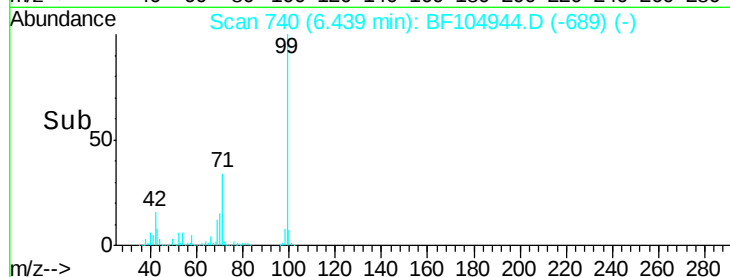
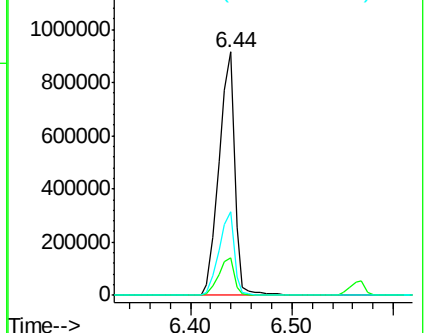
71 34.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.17 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF104944.D

Acq: 30 Apr 2018 20:21

Tgt Ion: 70 Resp: 95932

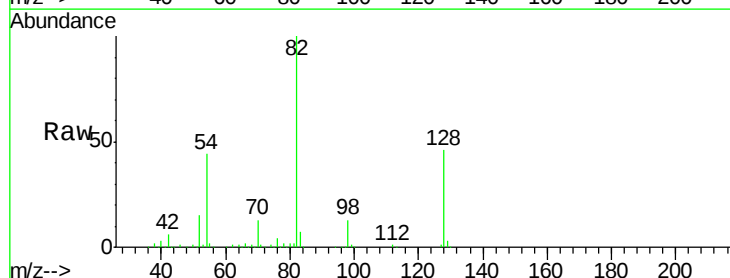
Ion Ratio Lower Upper

70 100

42 43.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

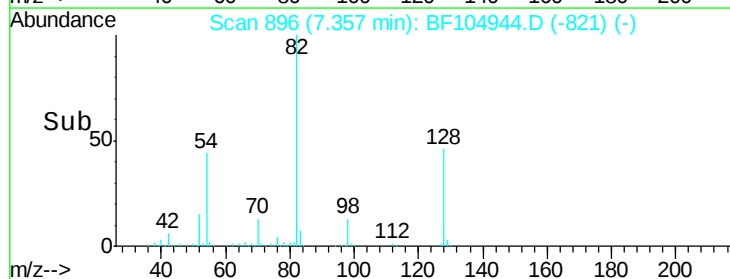
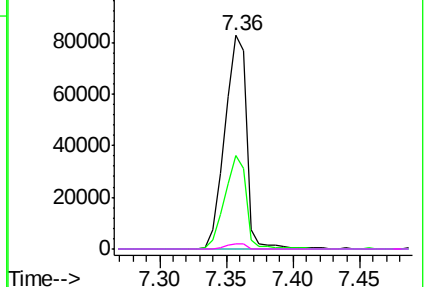


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

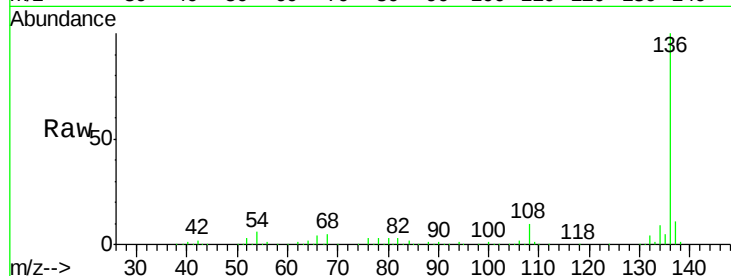




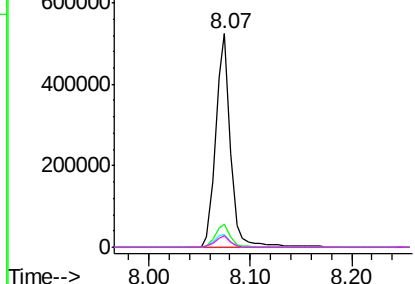
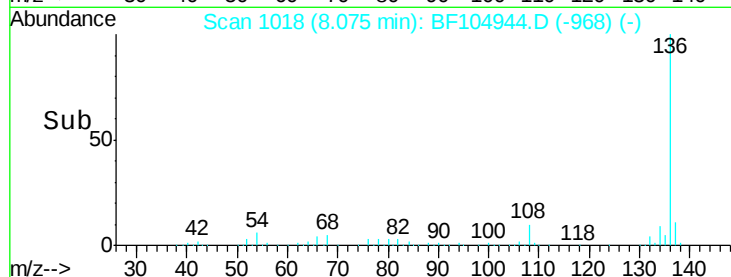
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF104944.D
Acq: 30 Apr 2018 20:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	532973
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	6.1	6.6 9.8#
68	5.1	5.0 7.4

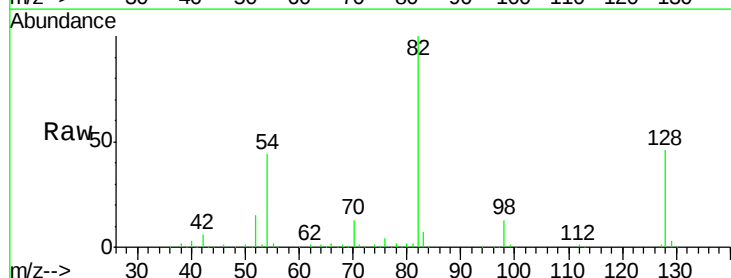


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

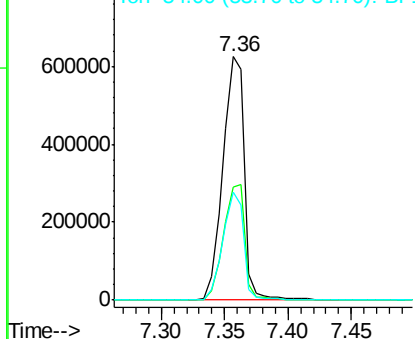
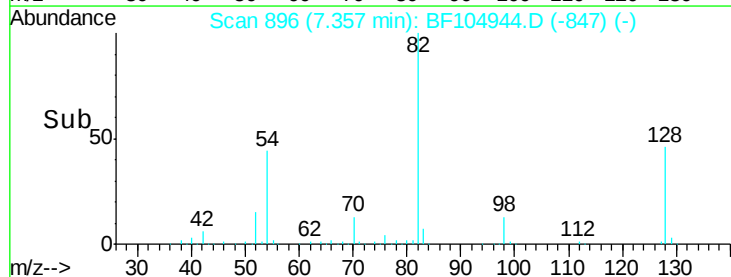


#23
Nitrobenzene-d5
Concen: 89.83 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104944.D
Acq: 30 Apr 2018 20:21

Tgt Ion: 82	Resp:	733214
Ion Ratio	Lower	Upper
82	100	
128	46.4	36.1 54.1
54	44.4	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: 42.48 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF104944.D

Acq: 30 Apr 2018 20:21

Instrument :

BNA_F

ClientSampleId :

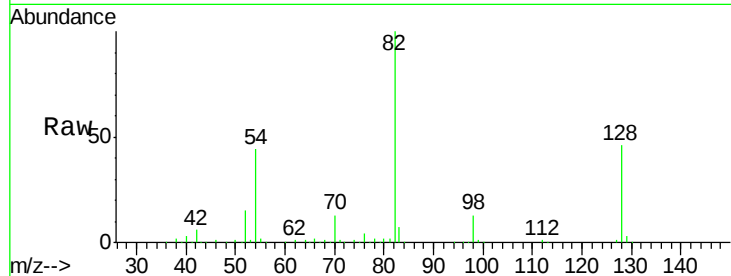
Tot Ion: 82 Resp: 733203

Ion Ratio Lower Upper

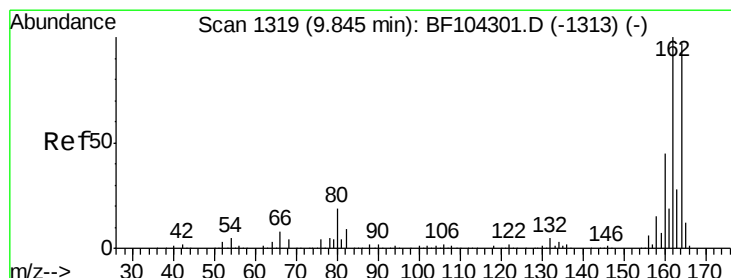
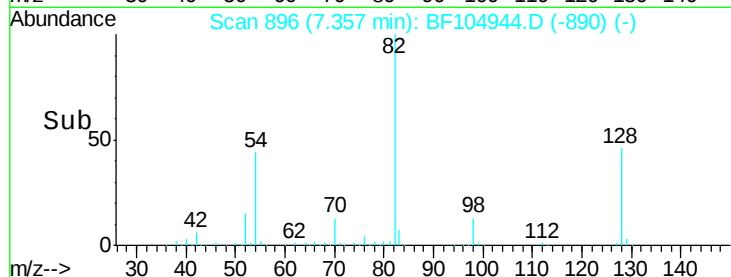
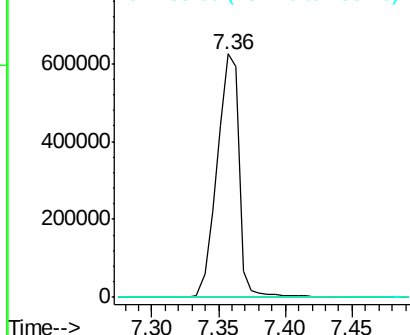
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF104944.D

Acq: 30 Apr 2018 20:21

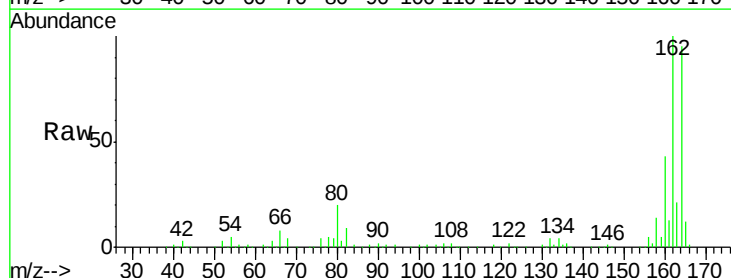
Tgt Ion: 164 Resp: 237034

Ion Ratio Lower Upper

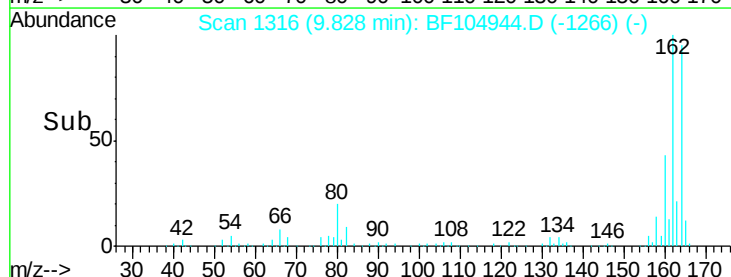
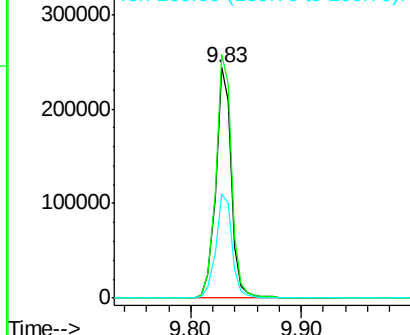
164 100

162 105.7 86.1 129.1

160 45.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

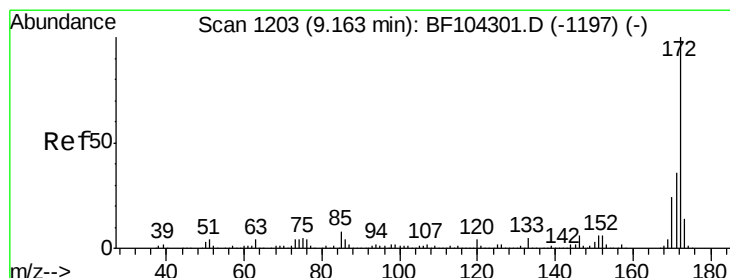
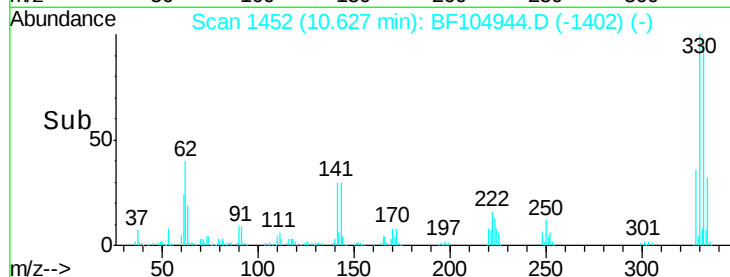
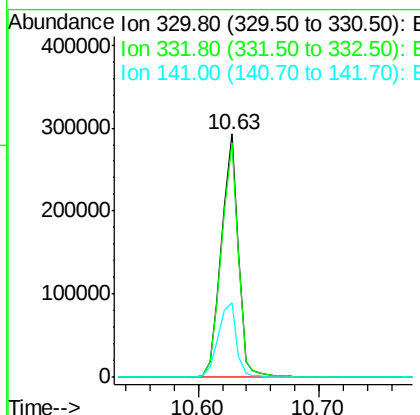
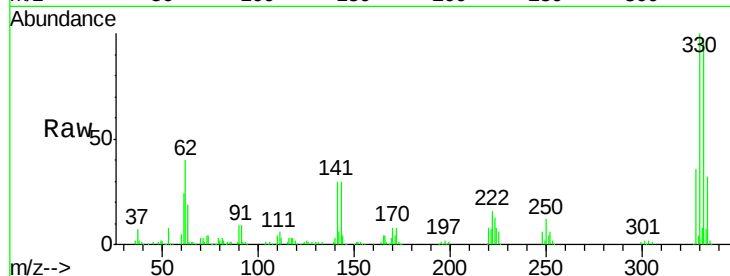




#41
 2,4,6-Tribromophenol
 Concen: 116.00 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104944.D
 Acq: 30 Apr 2018 20:21

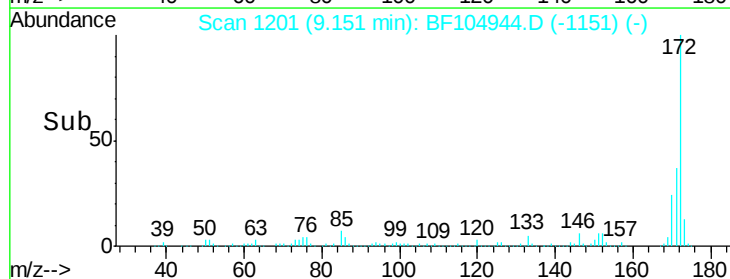
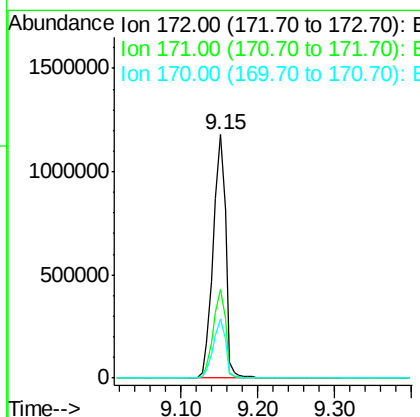
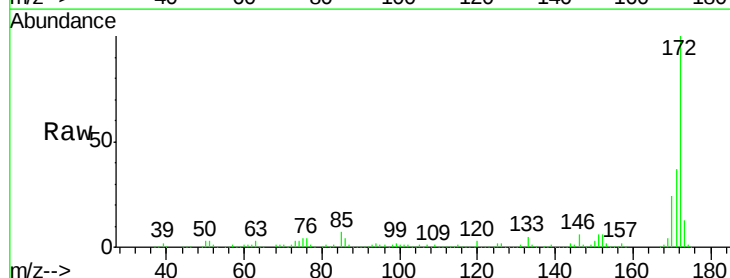
Instrument :
 BNA_F
 ClientSampleId :

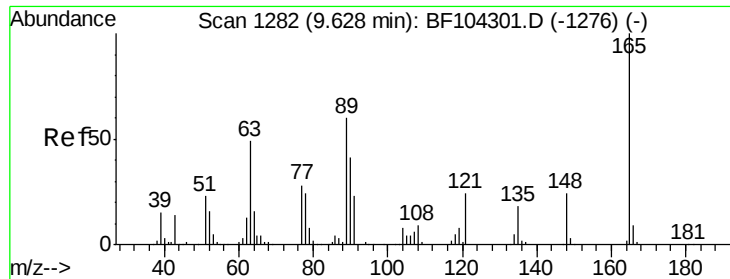
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	32.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 87.28 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF104944.D
 Acq: 30 Apr 2018 20:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.3	19.6	29.4

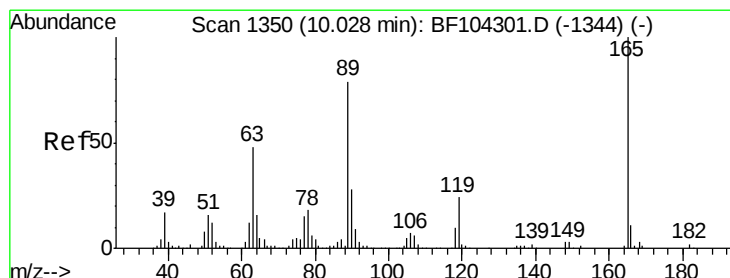
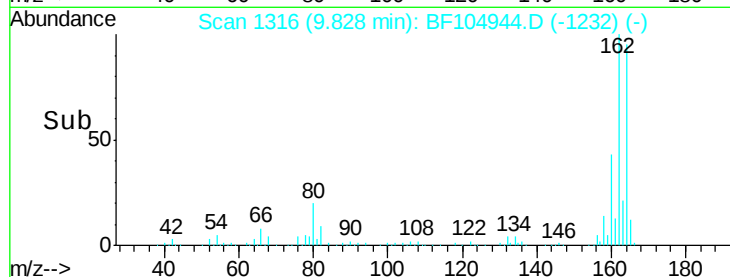
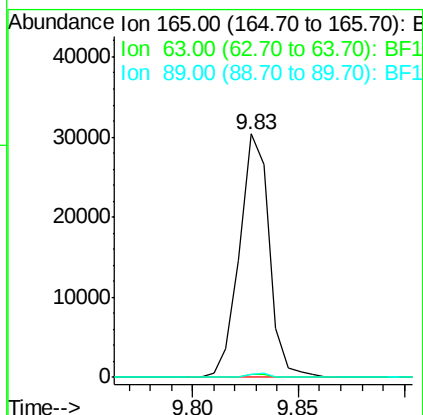
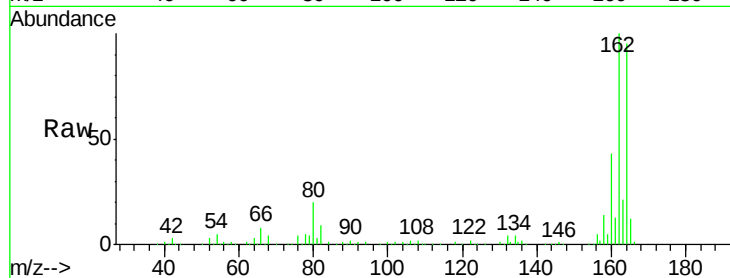




#50
 2,6-Dinitrotoluene
 Concen: 8.58 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF104944.D
 Acq: 30 Apr 2018 20:21

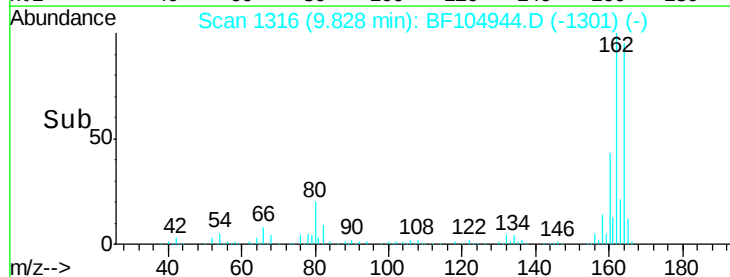
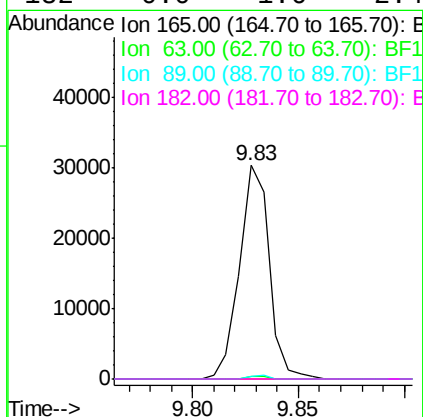
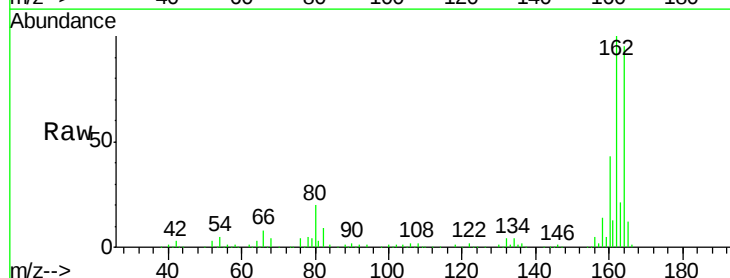
Instrument :
 BNA_F
 ClientSampleId :

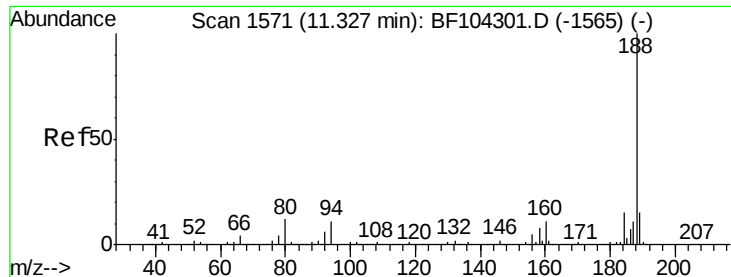
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.5	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.54 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF104944.D
 Acq: 30 Apr 2018 20:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

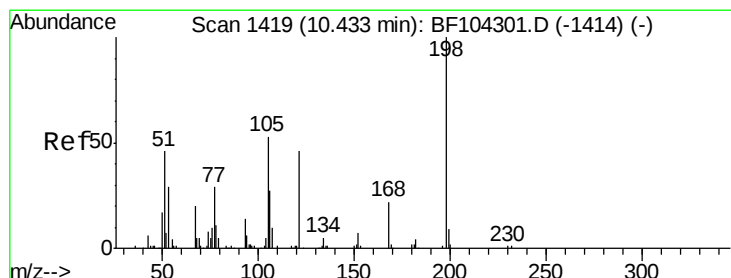
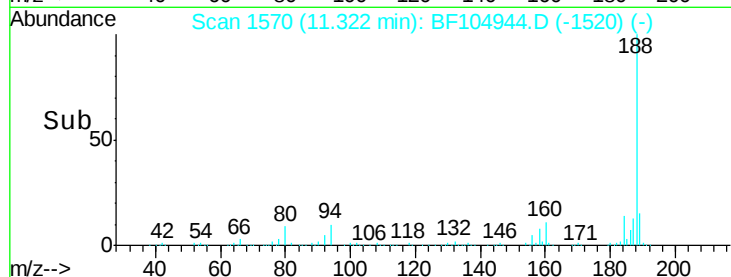
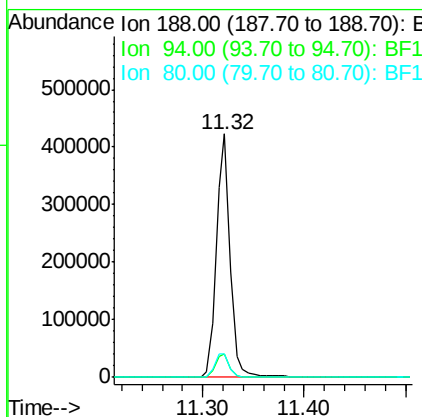
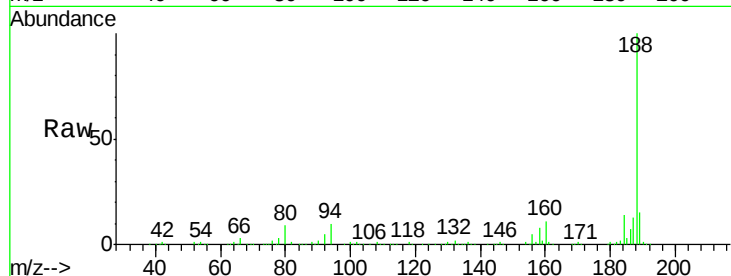




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF104944.D
Acq: 30 Apr 2018 20:21

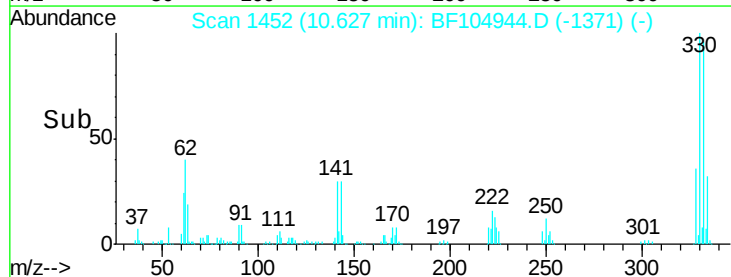
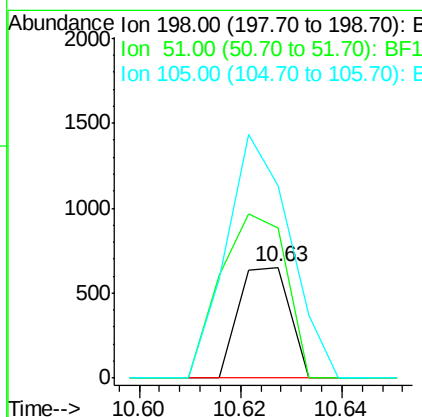
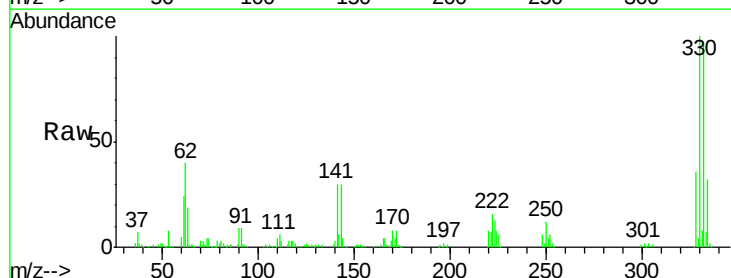
Instrument :
BNA_F
ClientSampleId :

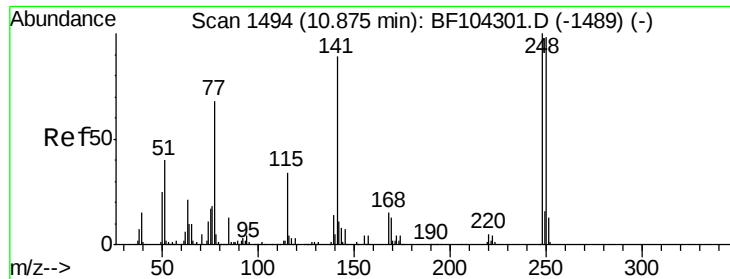
Tot Ion:188 Resp: 396779
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 9.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.55 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.18 min
Lab File: BF104944.D
Acq: 30 Apr 2018 20:21

Tgt Ion:198 Resp: 456
Ion Ratio Lower Upper
198 100
51 135.4 37.7 77.7#
105 172.9 36.3 76.3#

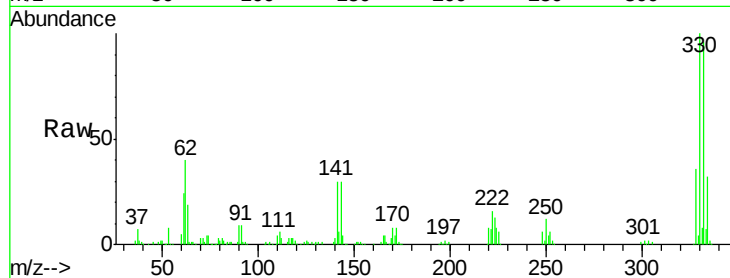




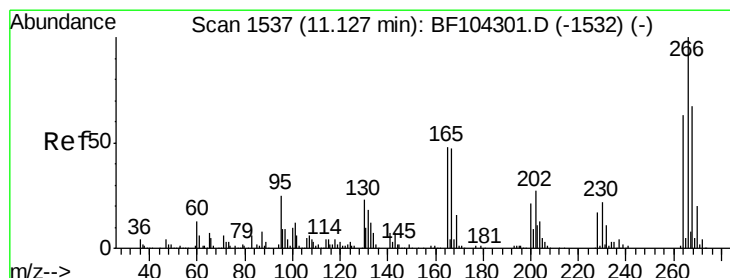
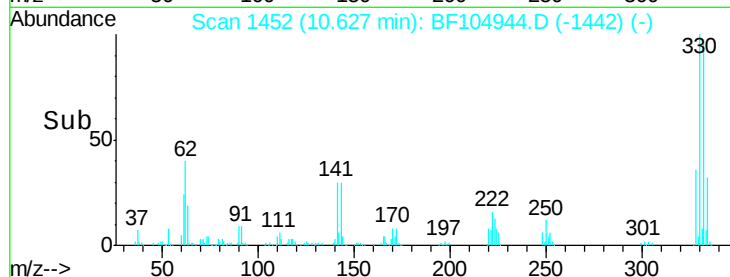
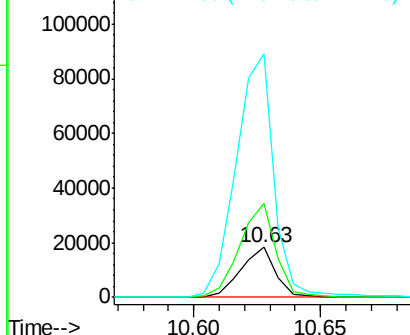
#66
 4-Bromophenyl-phenylether
 Concen: 4.07 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF104944.D
 Acq: 30 Apr 2018 20:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 17171
 Ion Ratio Lower Upper
 248 100
 250 188.5 76.9 115.3#
 141 486.5 74.4 111.6#

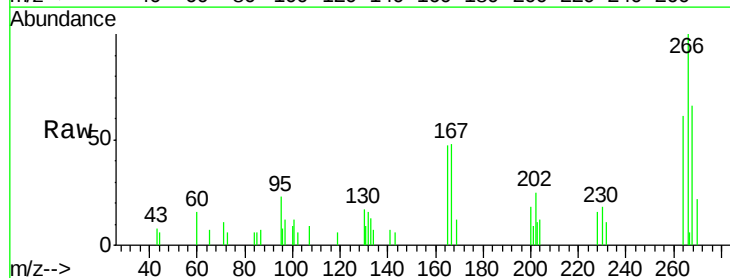


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

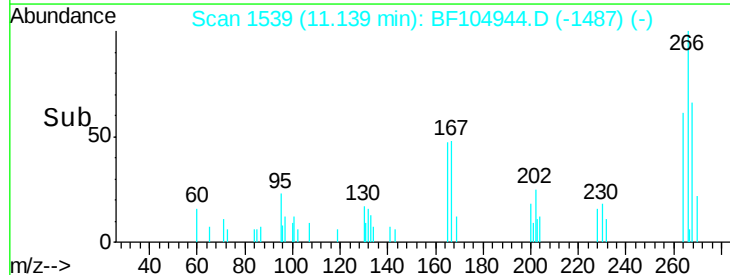
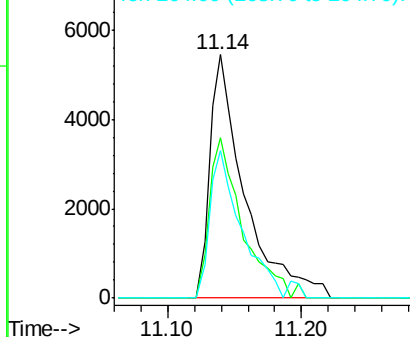


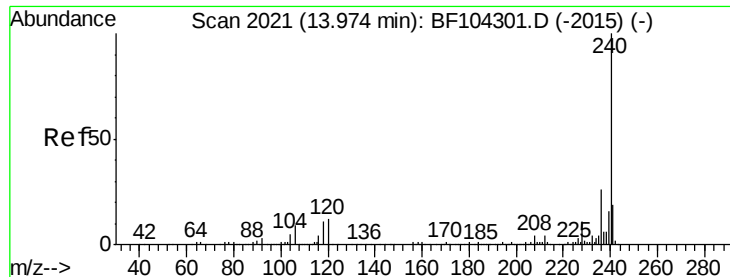
#69
 Pentachlorophenol
 Concen: 3.38 ng
 RT: 11.14 min Scan# 1539
 Delta R.T. 0.01 min
 Lab File: BF104944.D
 Acq: 30 Apr 2018 20:21

Tgt Ion:266 Resp: 9928
 Ion Ratio Lower Upper
 266 100
 268 66.1 51.1 76.7
 264 60.7 49.5 74.3



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104944.D

Acq: 30 Apr 2018 20:21

Instrument :

BNA_F

ClientSampleId :

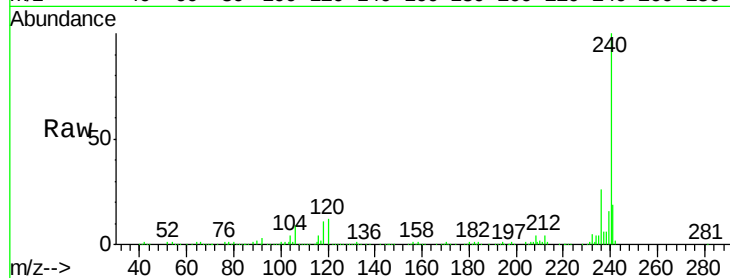
Tot Ion:240 Resp: 267484

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

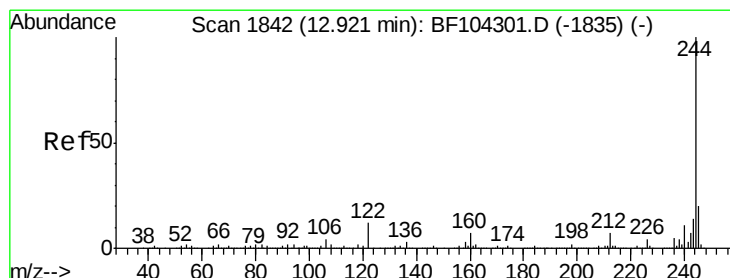
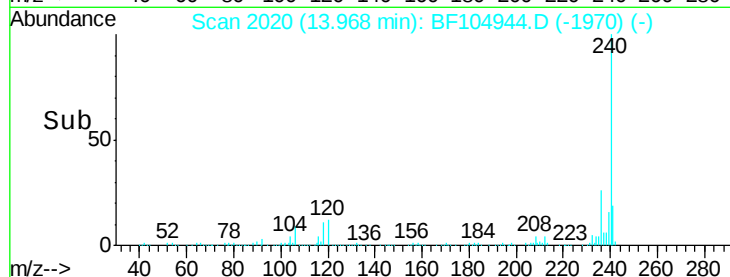
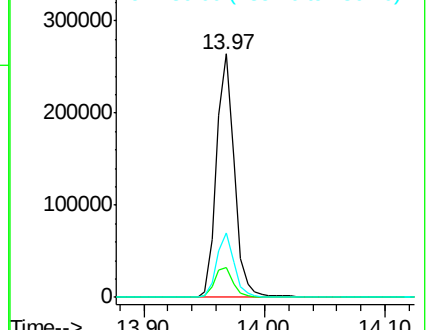
236 26.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 92.70 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF104944.D

Acq: 30 Apr 2018 20:21

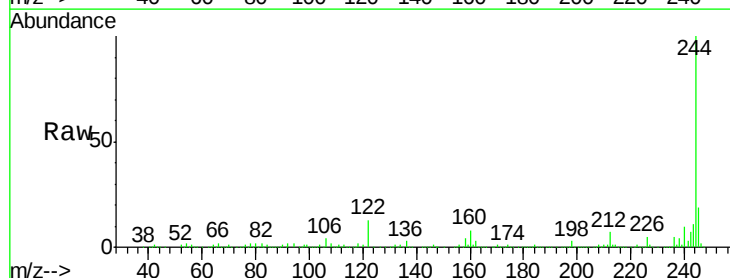
Tgt Ion:244 Resp: 1087583

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

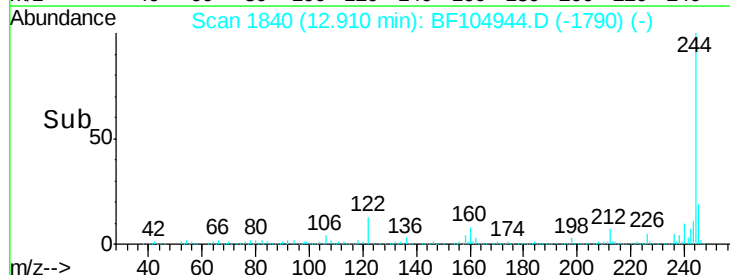
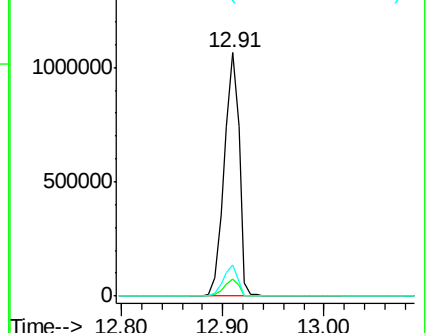
122 12.7 11.0 16.4

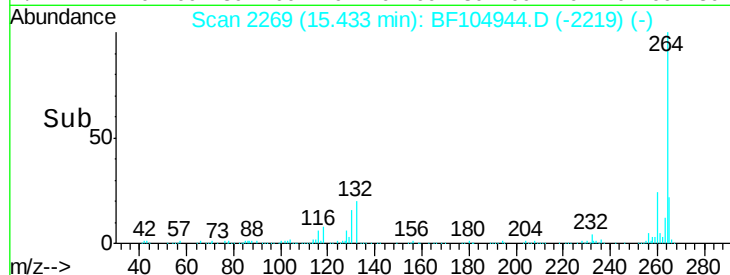
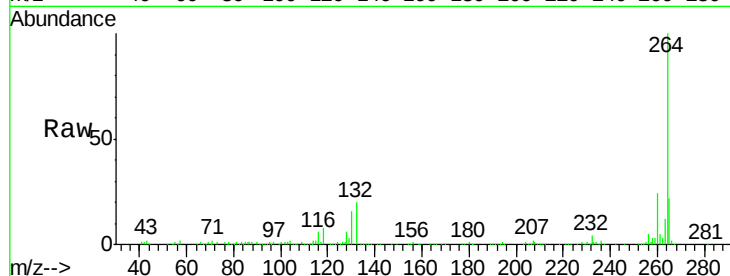
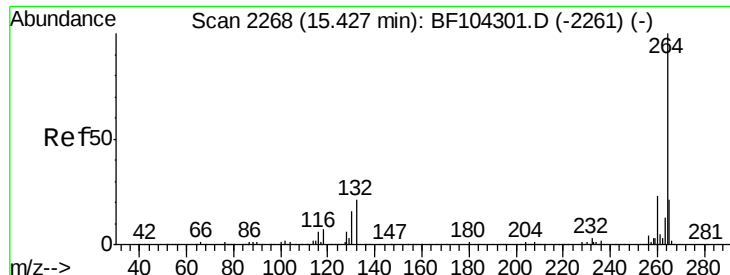


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF104944.D
 Acq: 30 Apr 2018 20:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	231171
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.5	17.5	26.3

