

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103734.D
 Acq On : 17 Mar 2018 10:45
 Operator : JU/SJ
 Sample : J1938-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 07:02:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	154000	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	610531	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	254507	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	366467	20.00	ng	0.00
75) Chrysene-d12	14.15	240	280896	20.00	ng	0.00
86) Perylene-d12	15.69	264	220586	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1235912	122.07	ng	0.03
7) Phenol-d6	6.60	99	1376597	111.13	ng	0.01
23) Nitrobenzene-d5	7.53	82	1018040	116.28	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	304944	139.35	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1612333	101.05	ng	0.00
78) Terphenyl-d14	13.09	244	1185470	97.96	ng	0.00

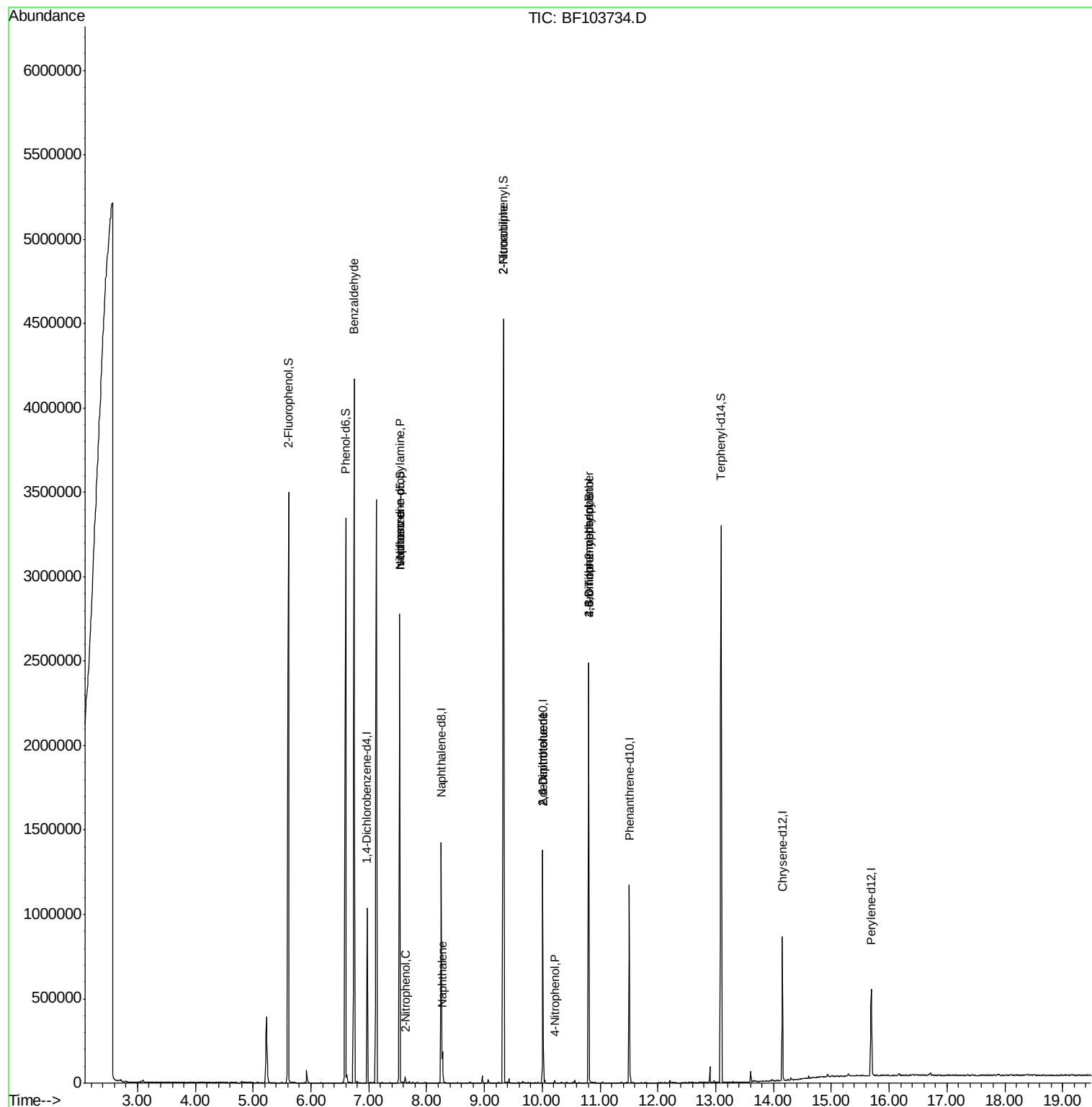
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	28034	3.445	ng	84
19) n-Nitroso-di-n-propylamine	7.53	70	132605	16.704	ng	# 75
25) Isophorone	7.53	82	1018030	50.231	ng	# 64
26) 2-Nitrophenol	7.63	139	268	9.501	ng	# 34
31) Naphthalene	8.27	128	73099	2.370	ng	98
47) 2-Nitroaniline	9.33	65	2752	7.350	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	31598	11.698	ng	# 25
55) 4-Nitrophenol	10.22	139	2481	5.624	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	31598	11.994	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	680	8.673	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	18602	4.944	ng	# 1

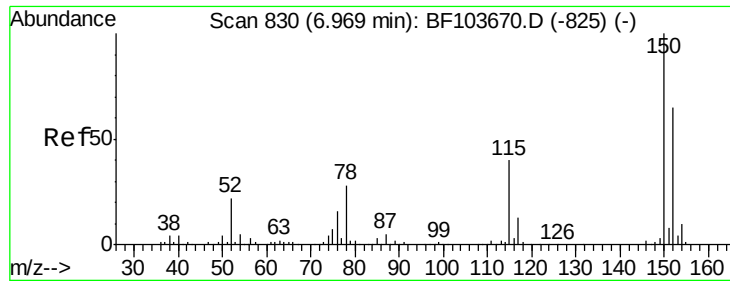
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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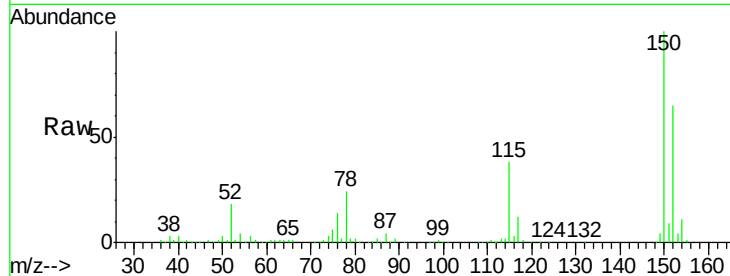


#1

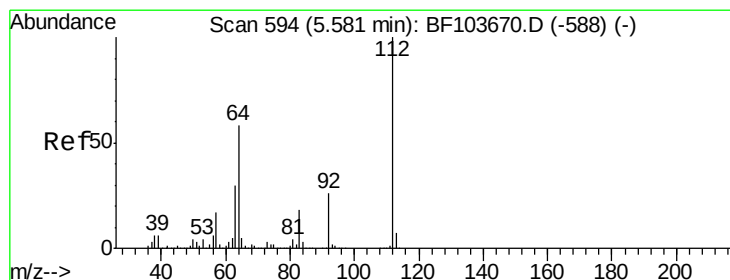
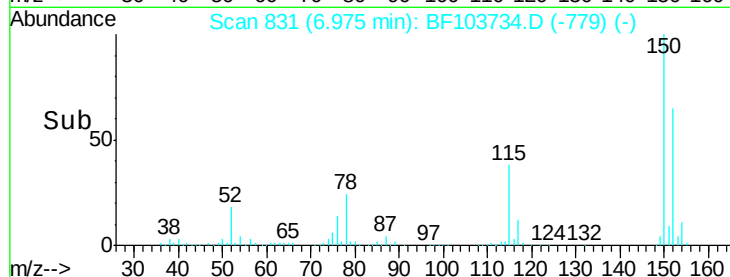
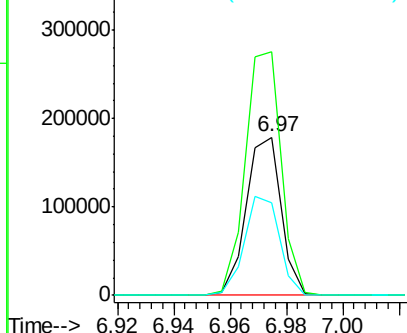
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154000
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 58.8 50.1 75.1



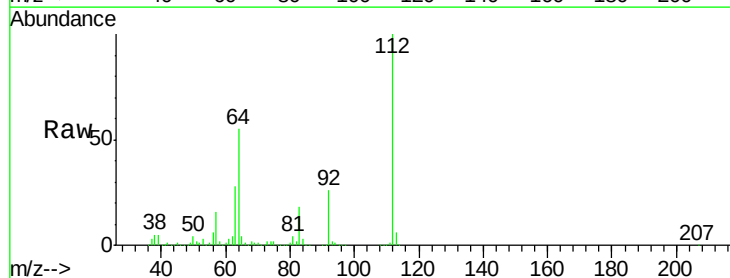
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



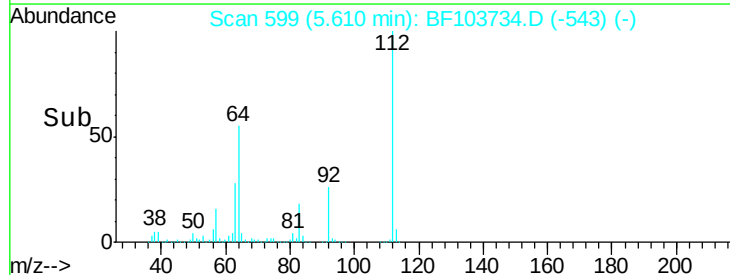
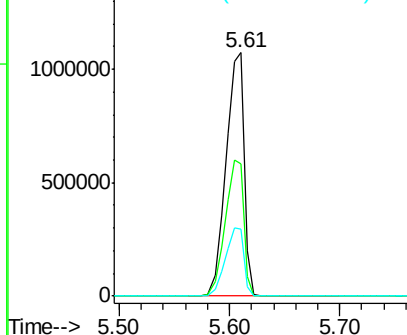
#5

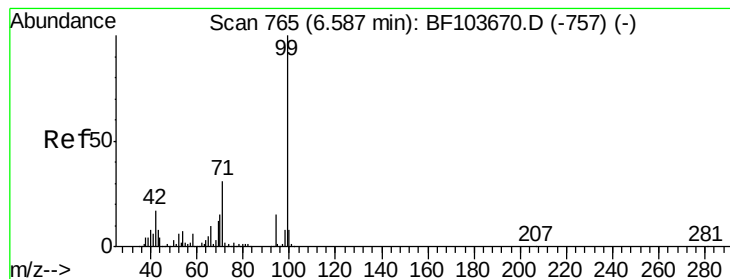
2-Fluorophenol
Concen: 122.066 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.03 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Tgt Ion:112 Resp: 1235912
Ion Ratio Lower Upper
112 100
64 54.6 47.9 71.9
63 27.7 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: 111.131 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103734.D

Acq: 17 Mar 2018 10:45

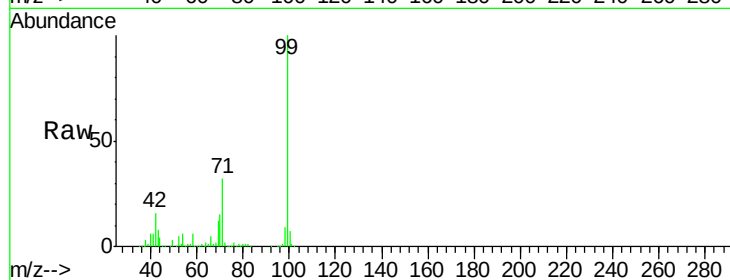
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1376597

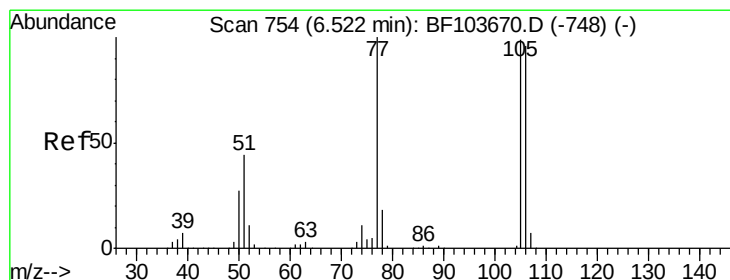
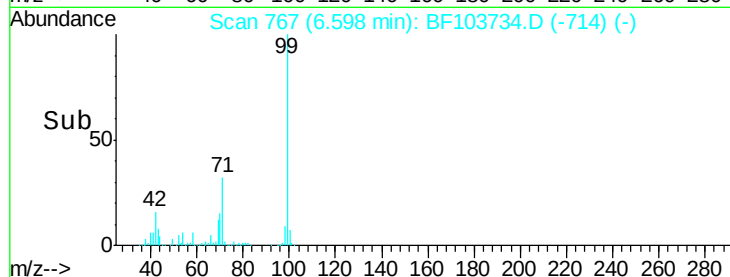
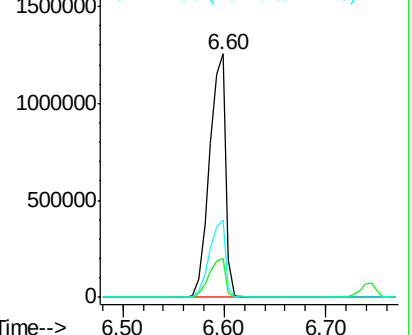
Ion	Ratio	Lower	Upper
99	100		
42	15.9	14.5	21.7
71	31.5	25.4	38.0



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



#9

Benzaldehyde

Concen: 3.445 ng

RT: 6.75 min Scan# 792

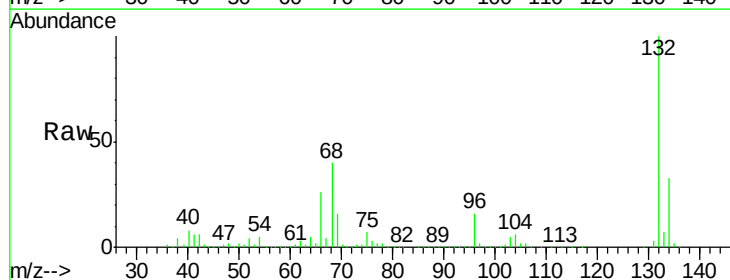
Delta R.T. 0.22 min

Lab File: BF103734.D

Acq: 17 Mar 2018 10:45

Tgt Ion: 77 Resp: 28034

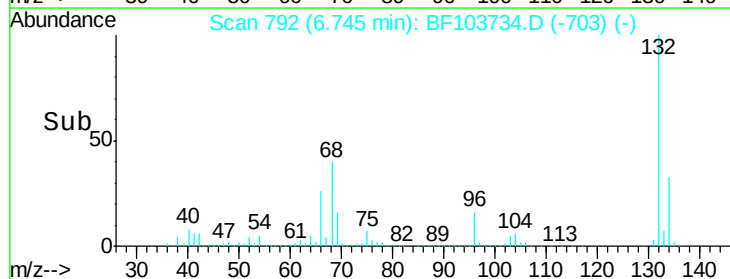
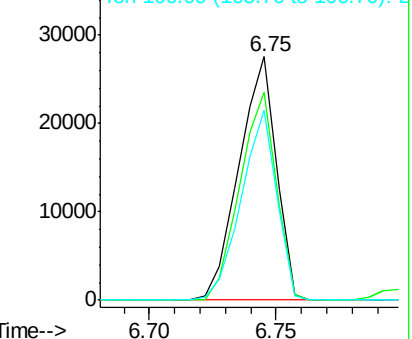
Ion	Ratio	Lower	Upper
77	100		
105	85.3	81.1	121.1
106	77.8	74.5	114.5

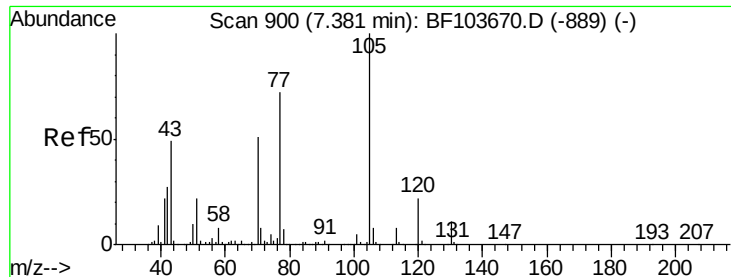


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

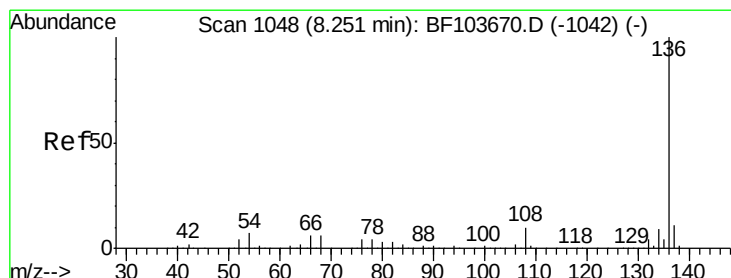
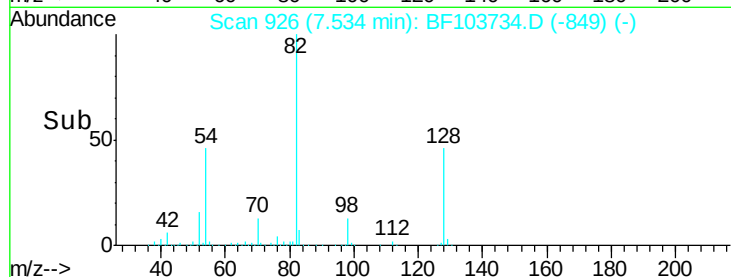
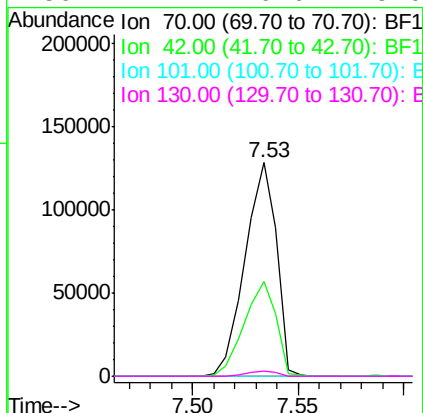
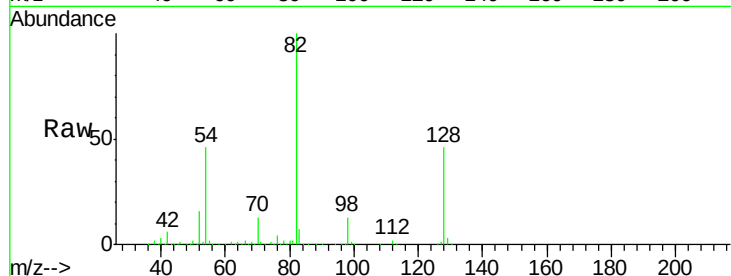




#19
n-Nitroso-di-n-propylamine
Concen: 16.704 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

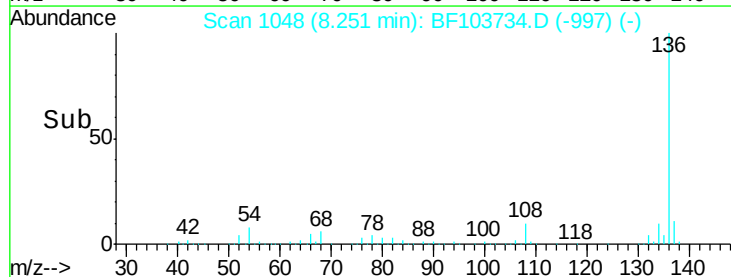
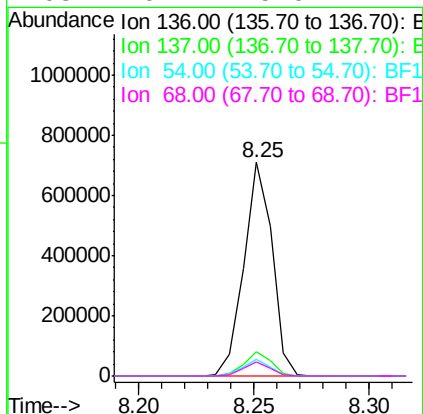
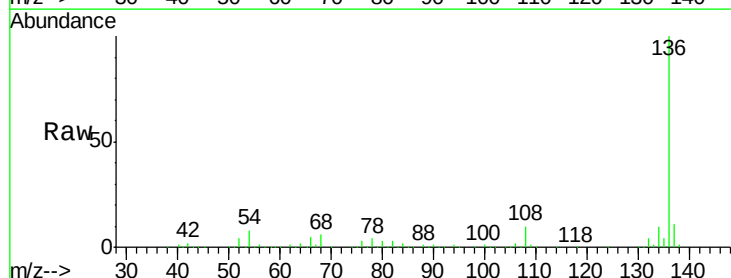
Instrument :
BNA_F
ClientSampleId :

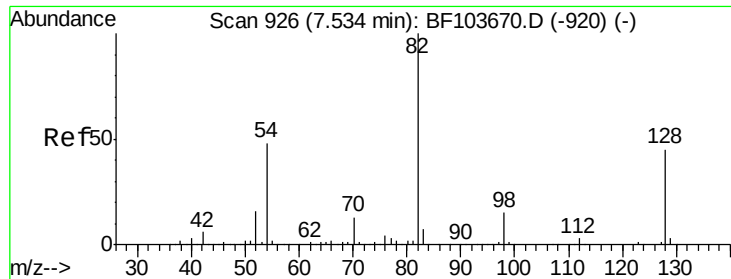
Tot Ion: 70 Resp: 132605
Ion Ratio Lower Upper
70 100
42 44.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Tgt Ion: 136 Resp: 610531
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.6 6.6 9.8
68 6.4 5.0 7.4

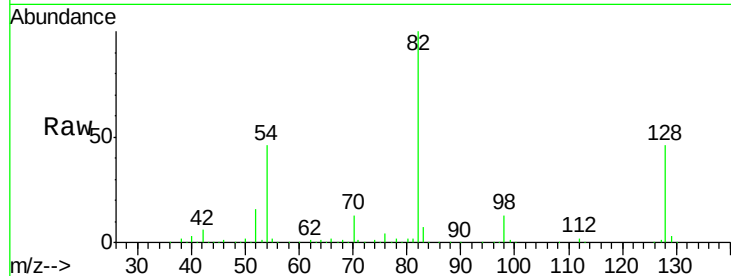




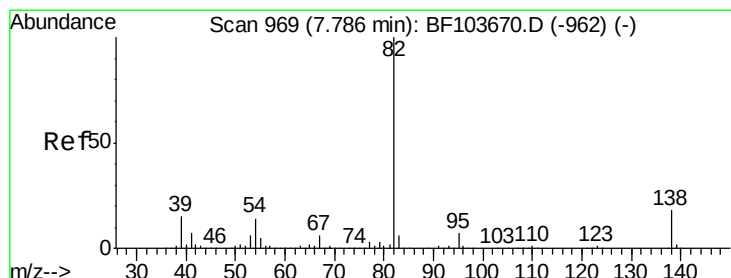
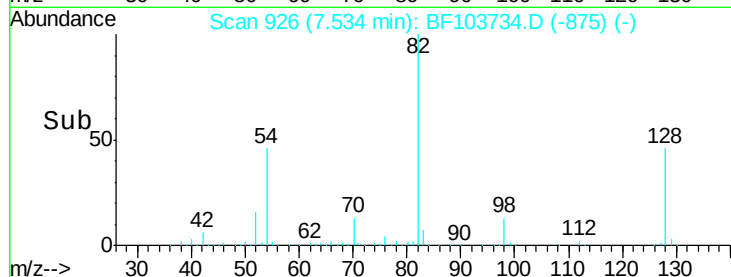
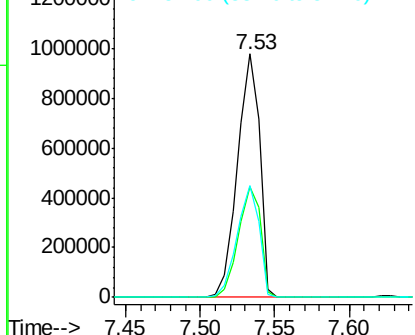
#23
Nitrobenzene-d5
Concen: 116.282 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1018040
Ion Ratio Lower Upper
82 100
128 45.5 36.1 54.1
54 46.1 41.4 62.2

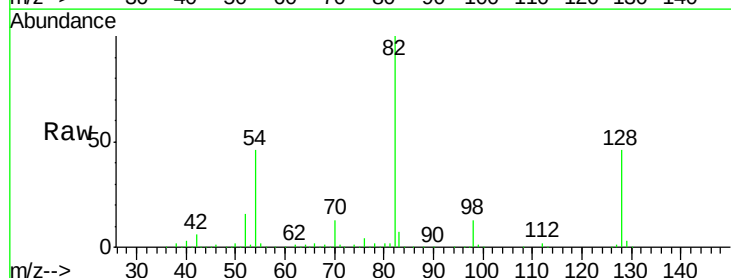


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

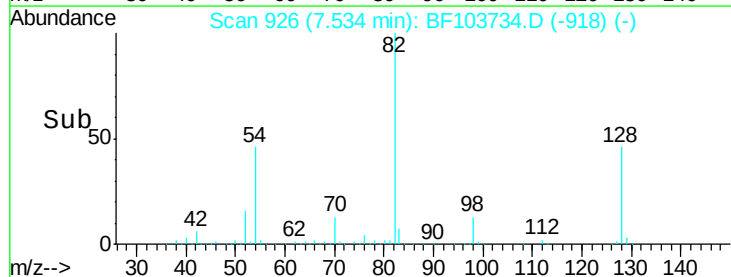
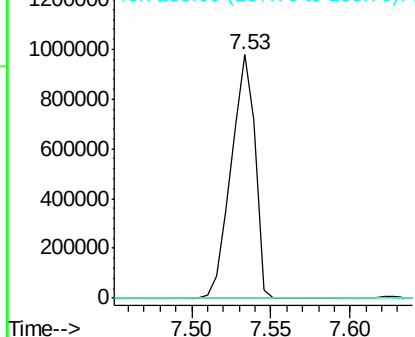


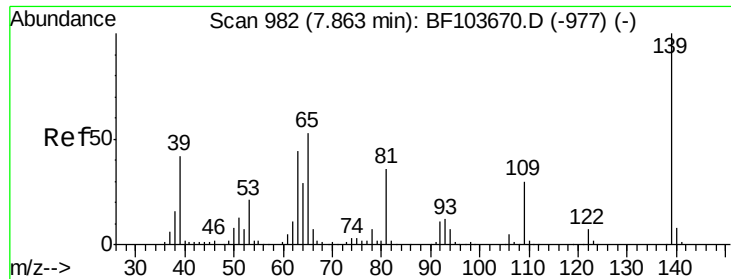
#25
Isophorone
Concen: 50.231 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Tgt Ion: 82 Resp: 1018030
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

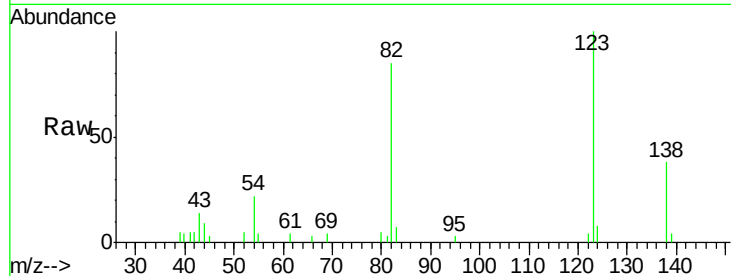




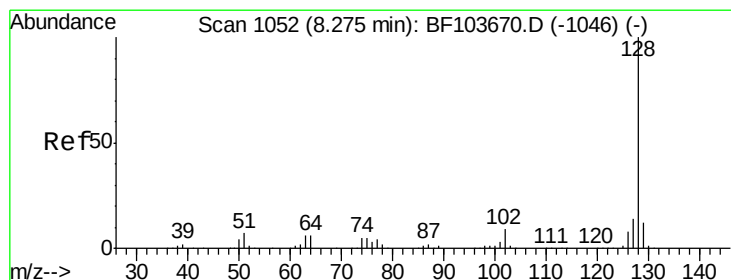
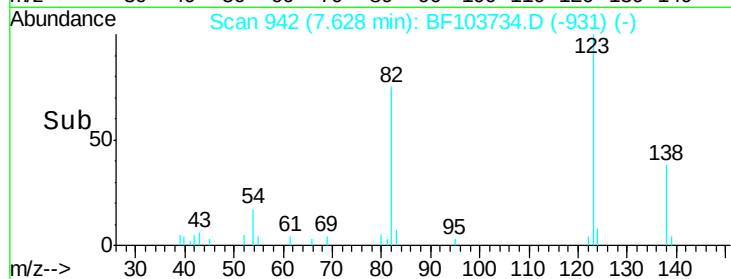
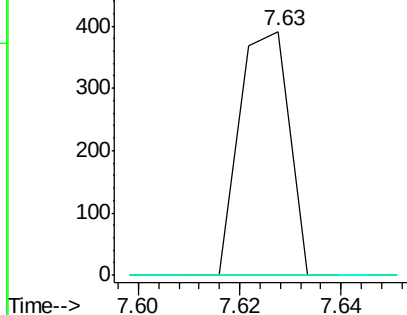
#26
2-Nitrophenol
Concen: 9.501 ng
RT: 7.63 min Scan# 942
Delta R.T. -0.23 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 268
Ion Ratio Lower Upper
139 100
109 0.0 22.7 34.1#
65 0.0 40.5 60.7#

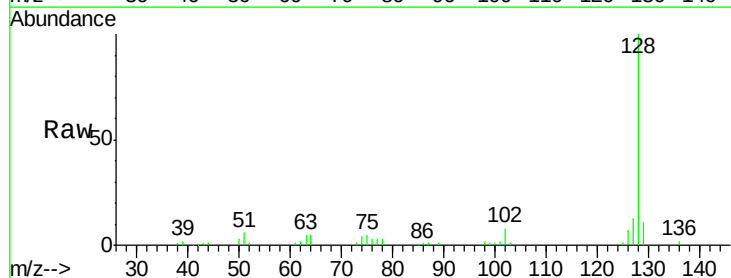


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

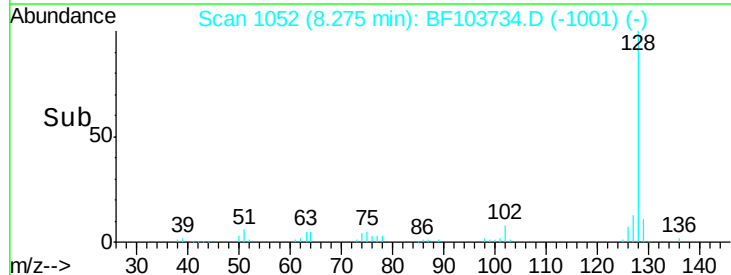
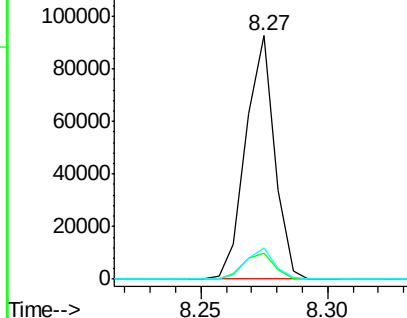


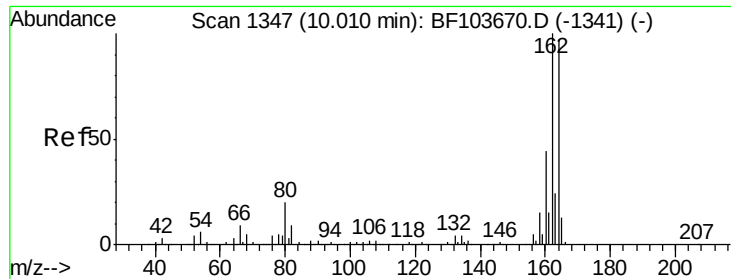
#31
Naphthalene
Concen: 2.370 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Tgt Ion:128 Resp: 73099
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.6 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

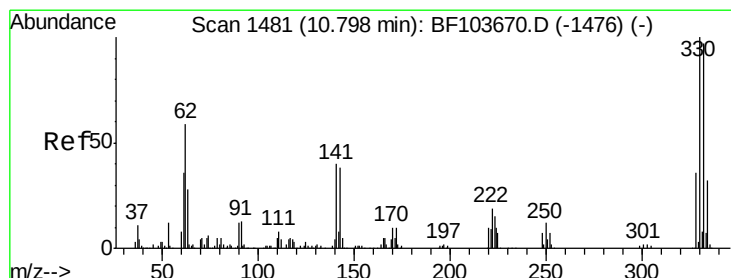
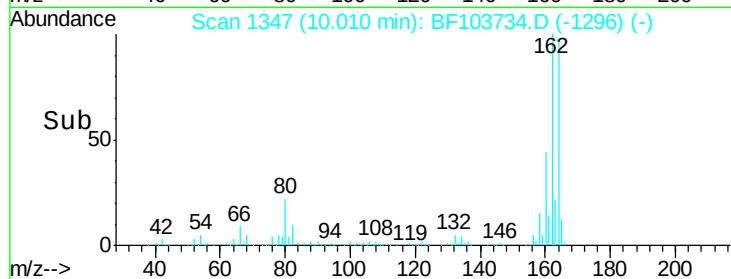
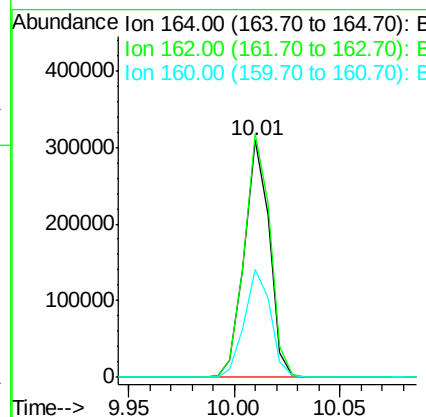
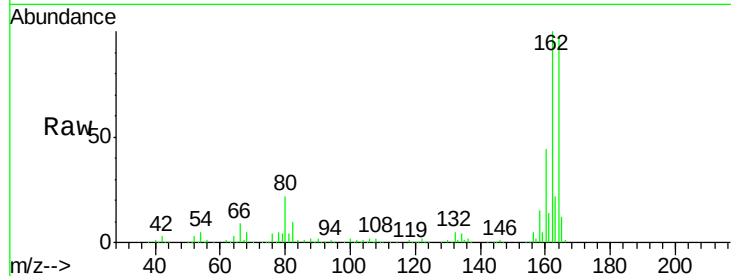




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

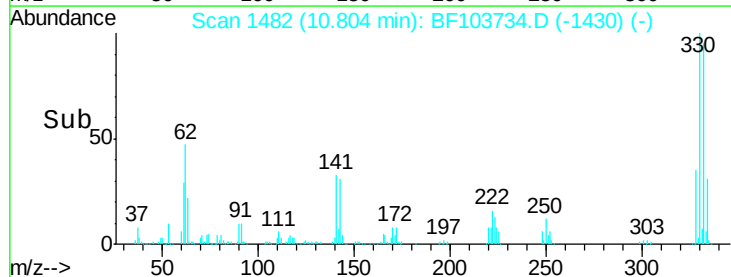
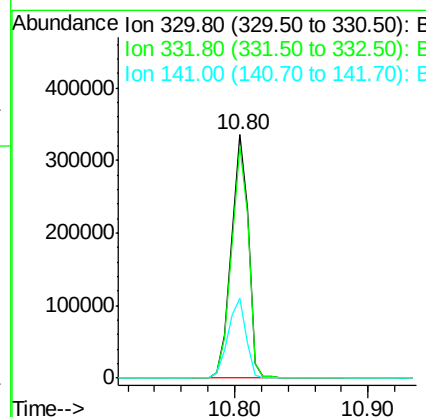
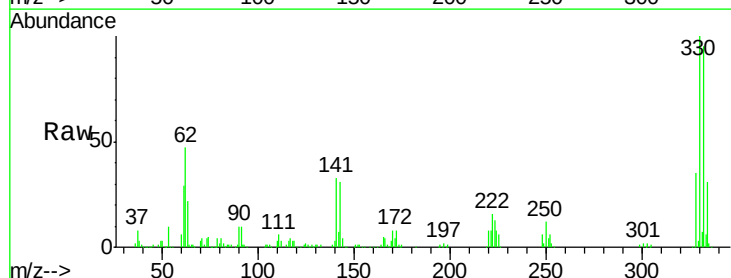
Instrument :
BNA_F
ClientSampleId :

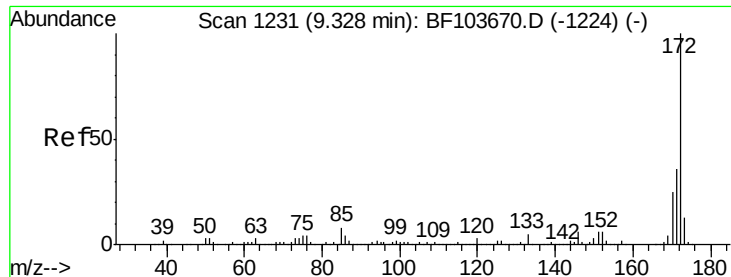
Tot Ion:164 Resp: 254507
Ion Ratio Lower Upper
164 100
162 102.8 86.1 129.1
160 45.6 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 139.354 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Tgt Ion:330 Resp: 304944
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 34.3 29.9 44.9

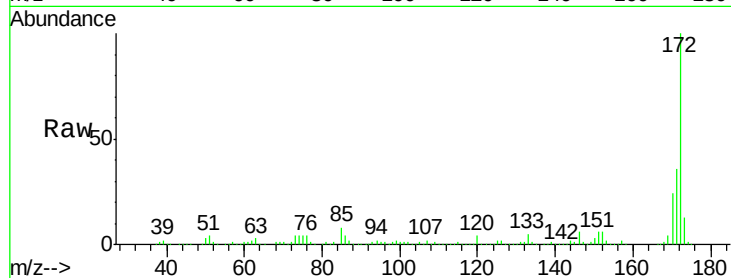




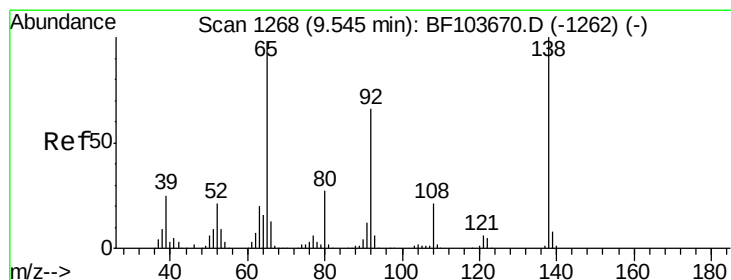
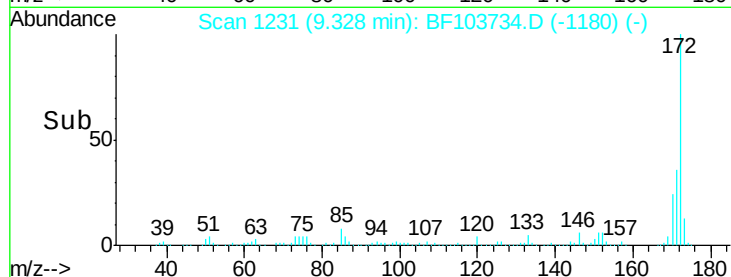
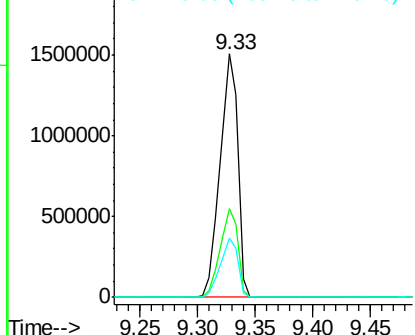
#44
2-Fluorobiphenyl
Concen: 101.055 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1612333
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.3 19.6 29.4

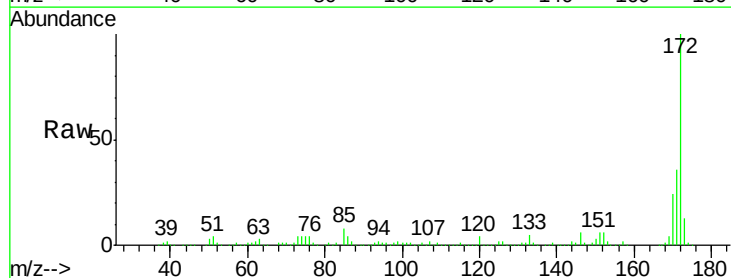


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

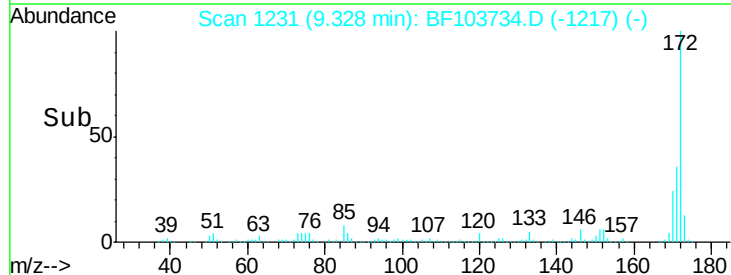
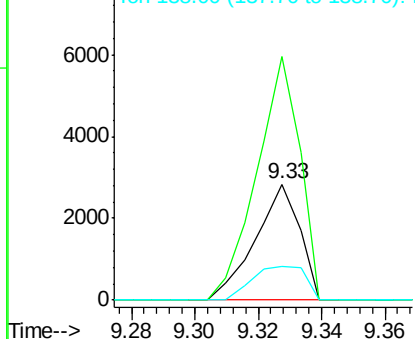


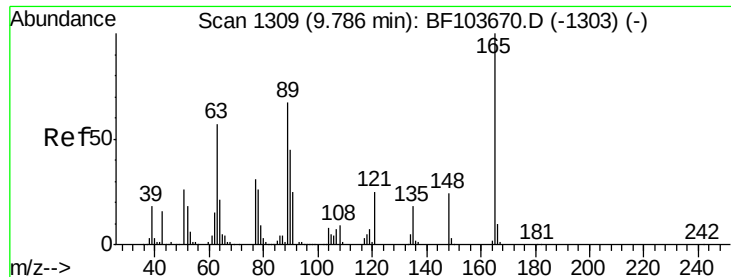
#47
2-Nitroaniline
Concen: 7.350 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.22 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Tgt Ion: 65 Resp: 2752
Ion Ratio Lower Upper
65 100
92 210.1 55.8 83.6#
138 29.1 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

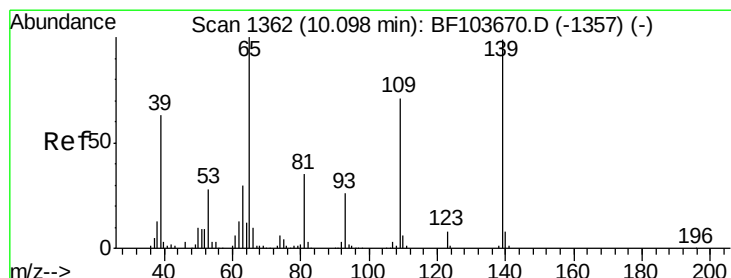
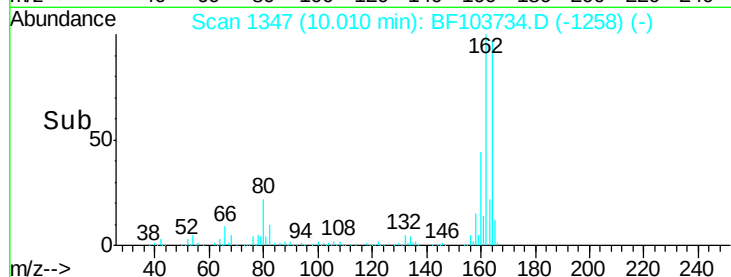
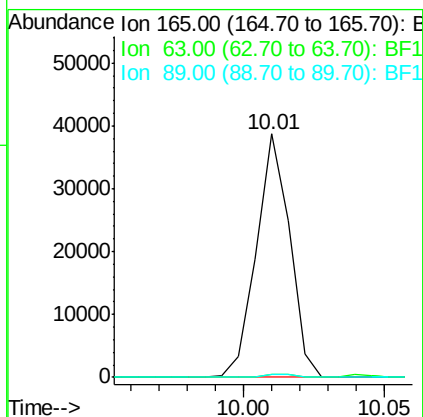
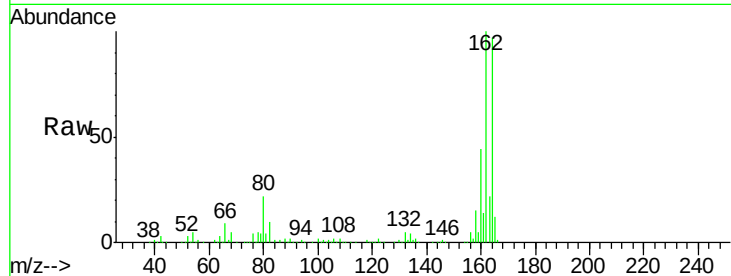




#50
 2,6-Dinitrotoluene
 Concen: 11.698 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.22 min
 Lab File: BF103734.D
 Acq: 17 Mar 2018 10:45

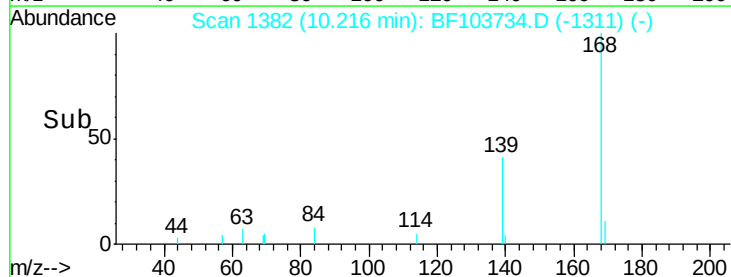
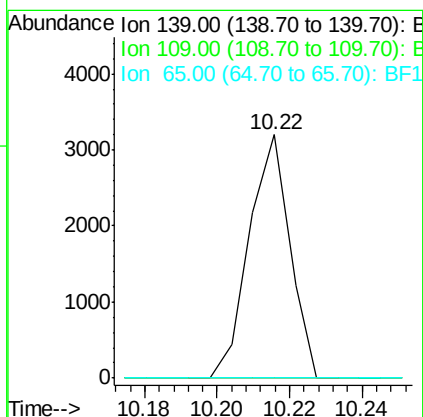
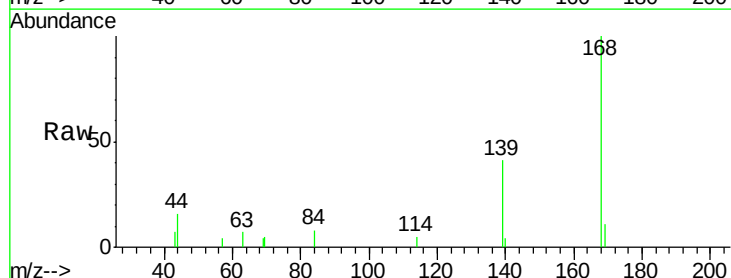
Instrument :
 BNA_F
 ClientSampled :

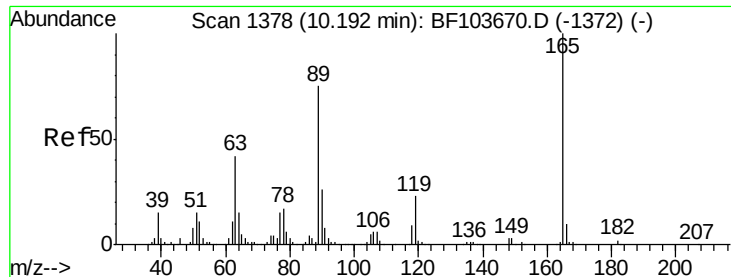
Tot Ion:165 Resp: 31598
 Ion Ratio Lower Upper
 165 100
 63 1.2 44.7 67.1#
 89 1.5 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 5.624 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.12 min
 Lab File: BF103734.D
 Acq: 17 Mar 2018 10:45

Tgt Ion:139 Resp: 2481
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.4 88.4#
 65 0.0 72.6 112.6#

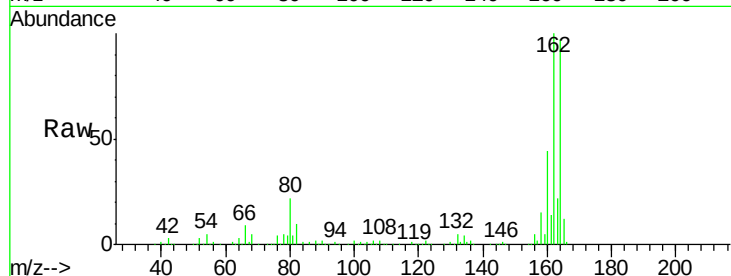




#56
2,4-Dinitrotoluene
Concen: 11.994 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

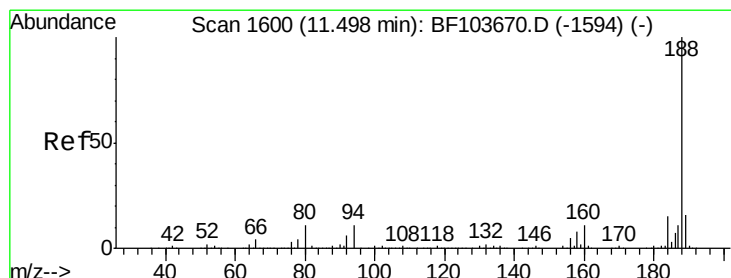
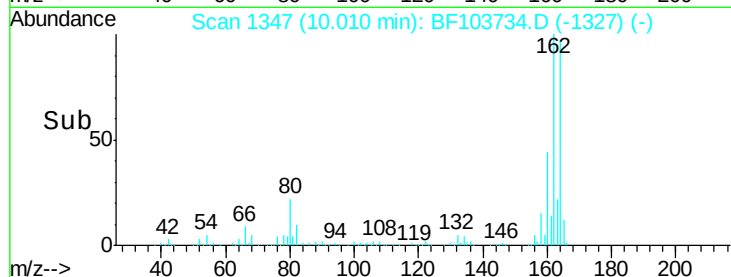
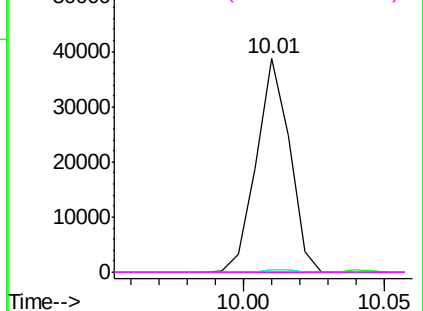


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

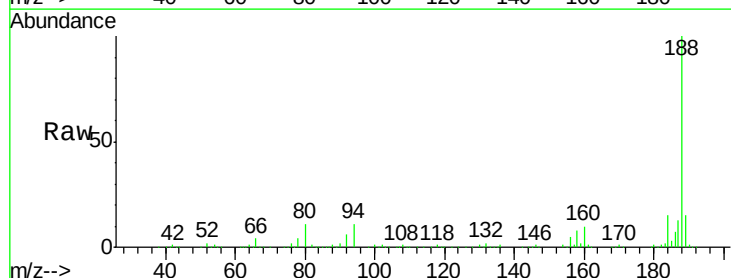
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

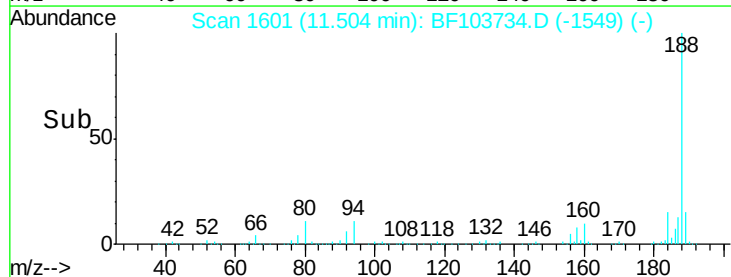
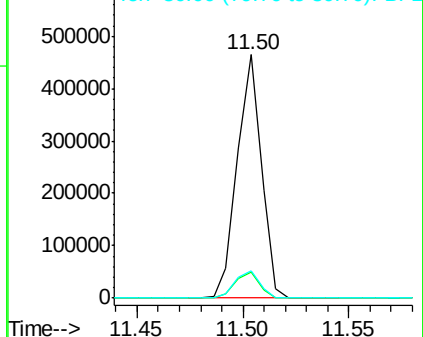
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.3	9.2	13.8

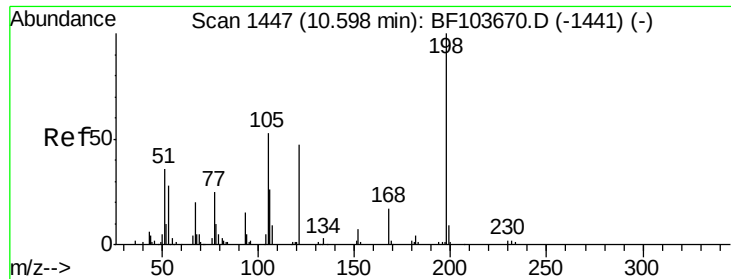


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

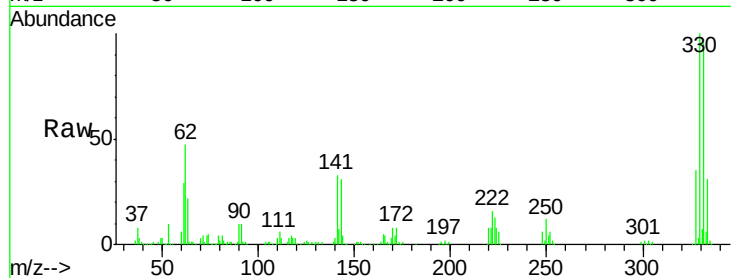




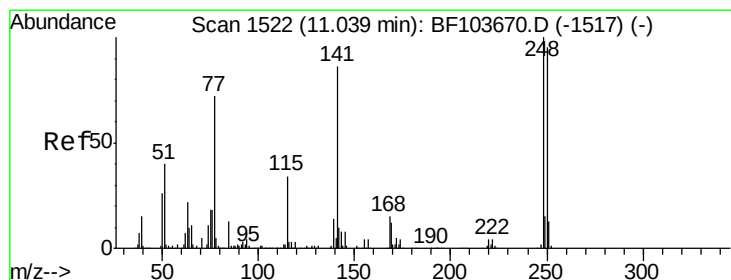
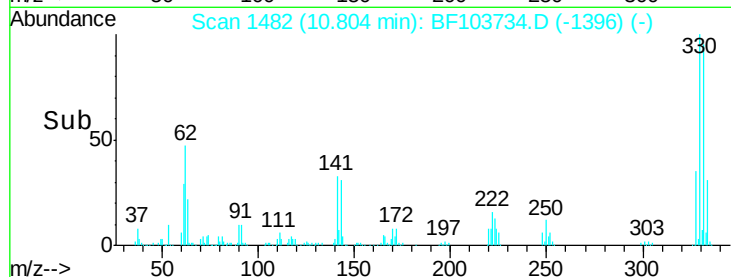
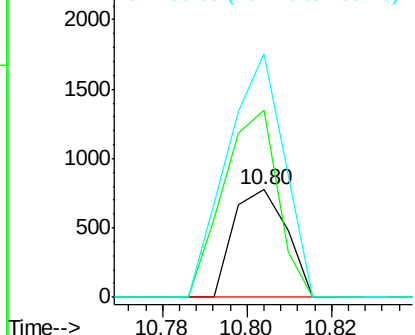
#64
4,6-Dinitro-2-methylphenol
Concen: 8.673 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.21 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 680
Ion Ratio Lower Upper
198 100
51 173.5 37.7 77.7#
105 226.3 36.3 76.3#

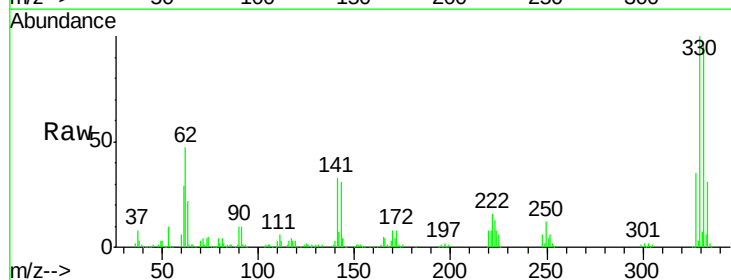


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

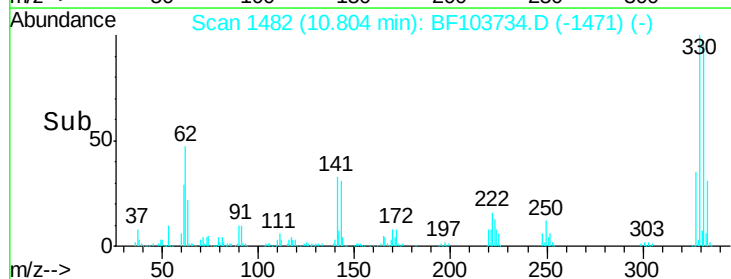
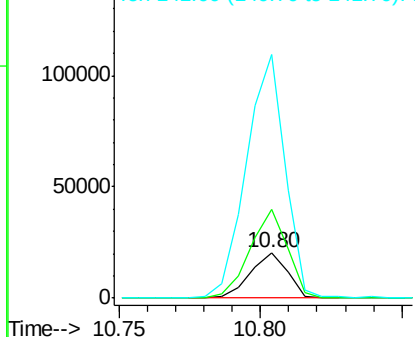


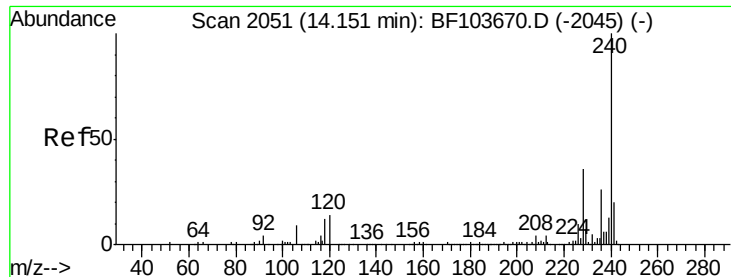
#66
4-Bromophenyl-phenylether
Concen: 4.944 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103734.D
Acq: 17 Mar 2018 10:45

Tgt Ion:248 Resp: 18602
Ion Ratio Lower Upper
248 100
250 194.8 76.9 115.3#
141 534.4 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF103734.D

Acq: 17 Mar 2018 10:45

Instrument :

BNA_F

ClientSampleId :

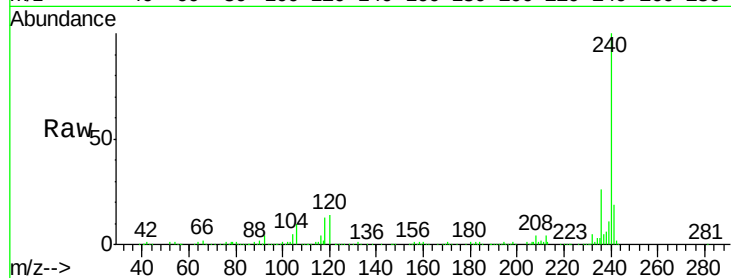
Tot Ion:240 Resp: 280896

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

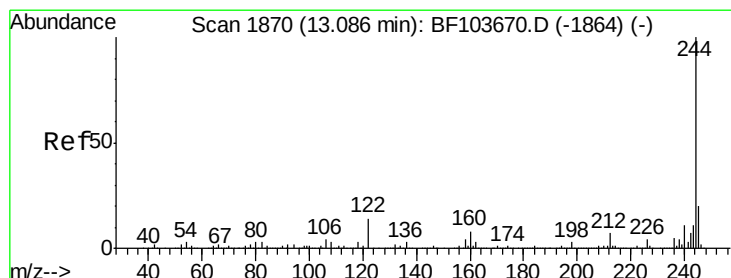
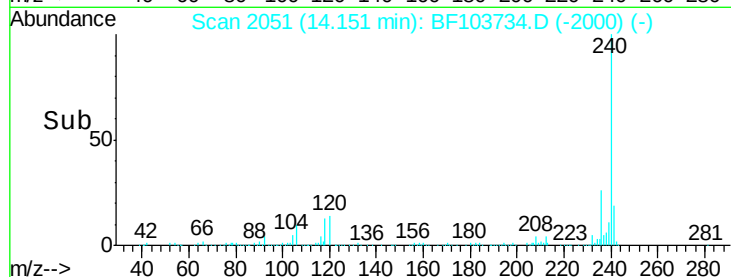
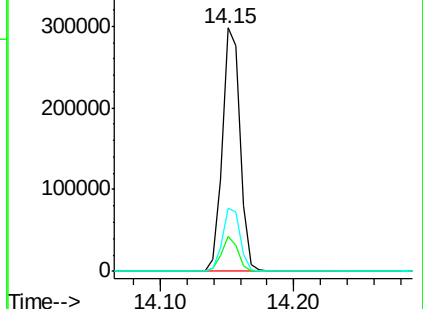
236 25.9 20.7 31.1



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: 97.960 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103734.D

Acq: 17 Mar 2018 10:45

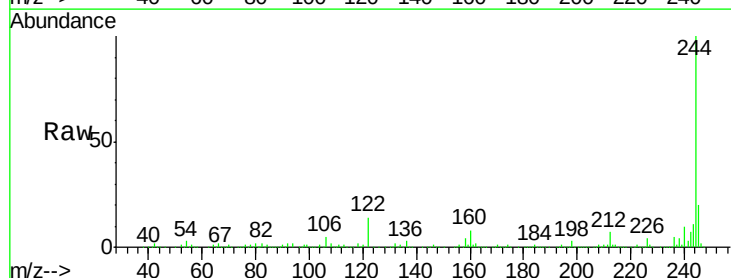
Tgt Ion:244 Resp: 1185470

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

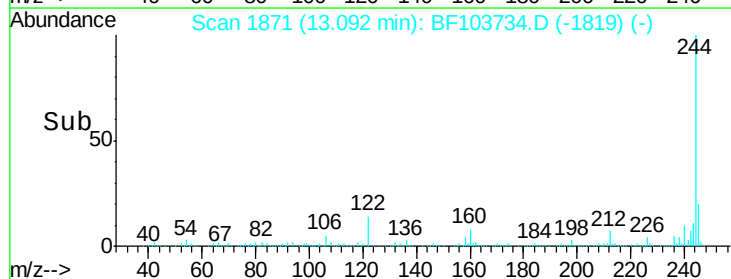
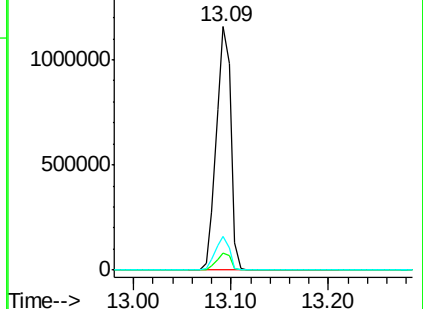
122 13.6 11.0 16.4

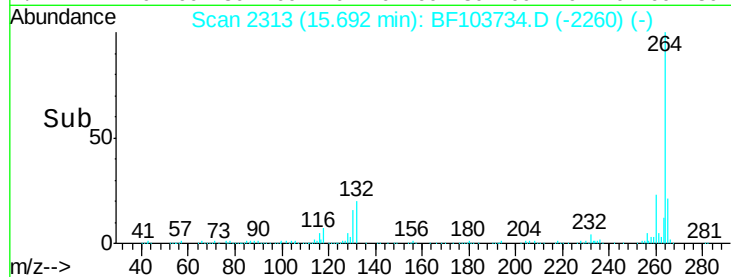
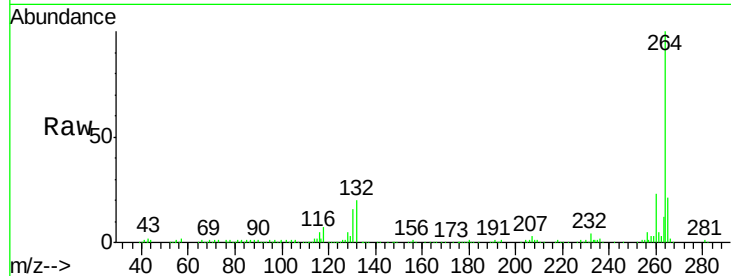
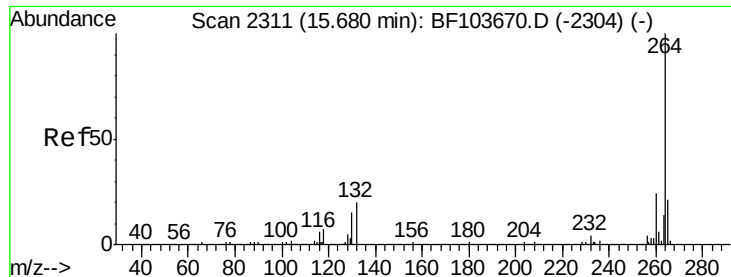


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: BF103734.D
 Acq: 17 Mar 2018 10:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	220586
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.2	17.5	26.3

