

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104569.D
 Acq On : 17 Apr 2018 18:51
 Operator : JU/SJ
 Sample : J2408-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:50:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	143112	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	575668	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	237579	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	358528	20.00	ng	0.00
75) Chrysene-d12	13.97	240	288439	20.00	ng	0.00
86) Perylene-d12	15.44	264	210745	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	935303	99.93	ng	0.01
7) Phenol-d6	6.45	99	1156025	100.53	ng	0.00
23) Nitrobenzene-d5	7.37	82	714147	81.01	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	228054	92.54	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1158096	77.01	ng	0.00
78) Terphenyl-d14	12.92	244	870844	68.83	ng	0.00

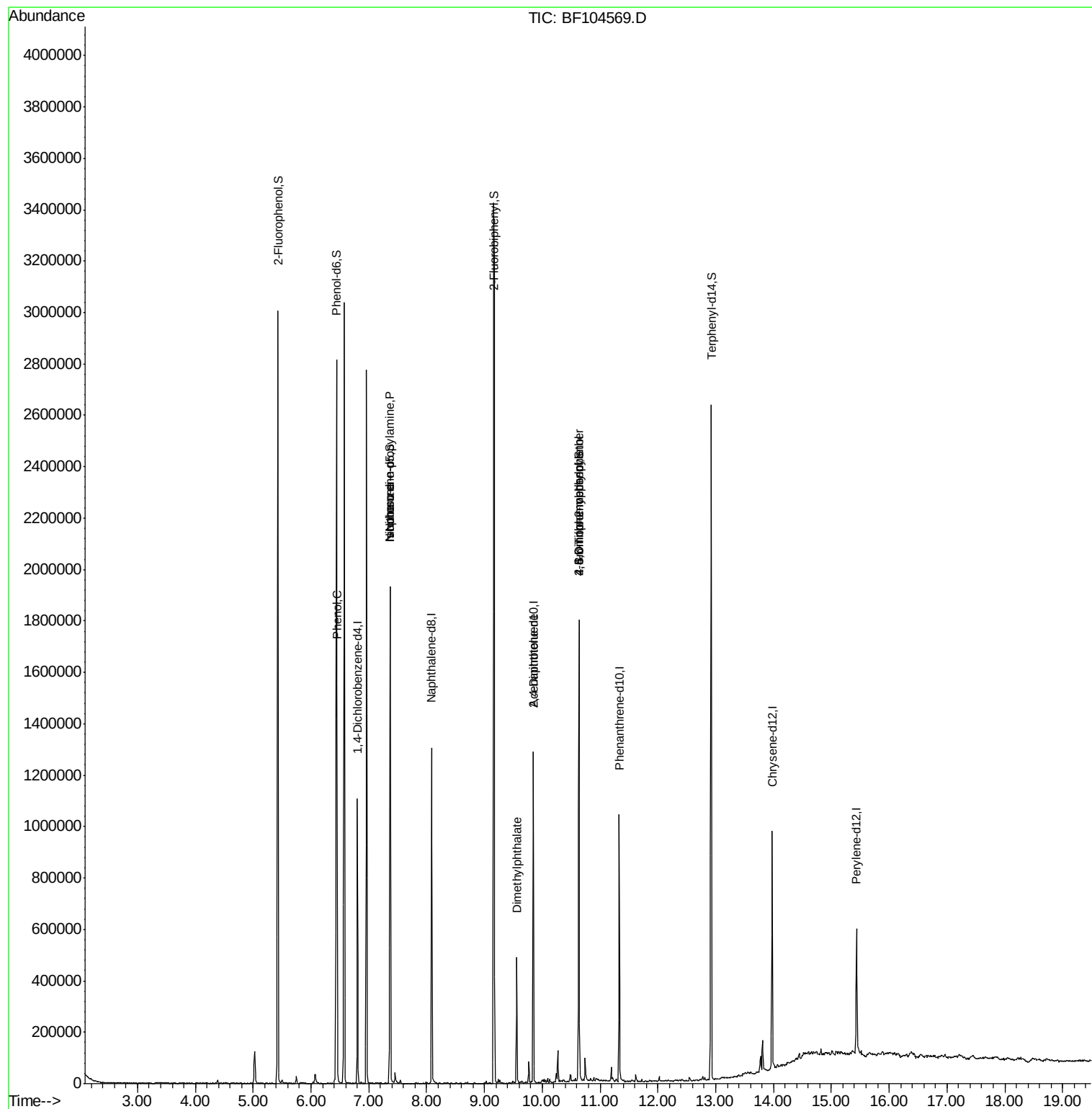
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	2042	Below Cal		# 1
10) Phenol	6.46	94	48941	4.011	ng	90
19) n-Nitroso-di-n-propylamine	7.37	70	92649	12.329	ng	# 74
25) Isophorone	7.37	82	714142	38.307	ng	# 64
49) Dimethylphthalate	9.56	163	174833	9.332	ng	100
56) 2,4-Dinitrotoluene	9.85	165	29604	6.510	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	444	7.562	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13553	3.554	ng	# 1
76) Benzidine	12.92	184	11933	Below Cal		96

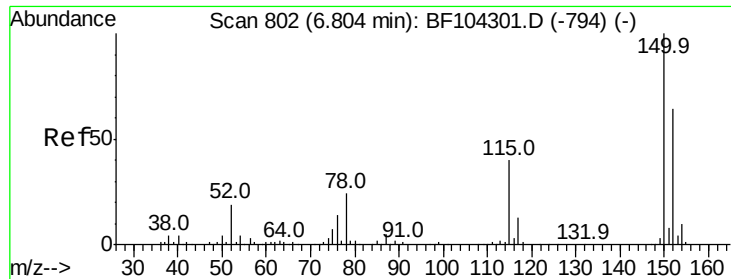
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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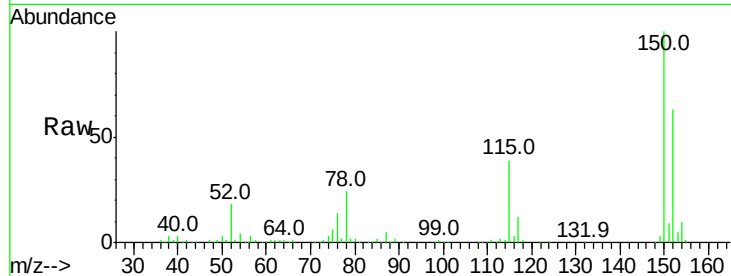


#1

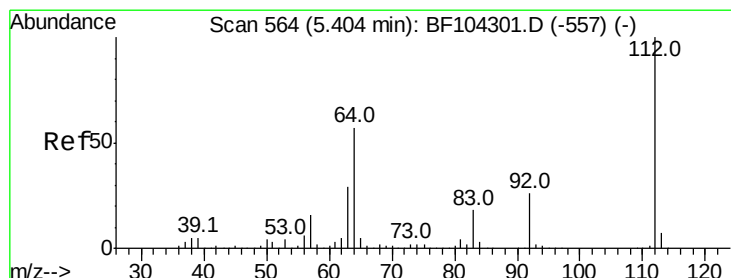
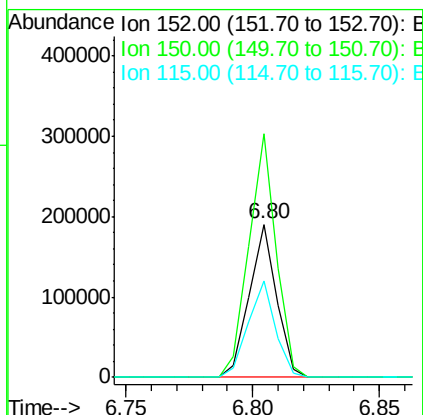
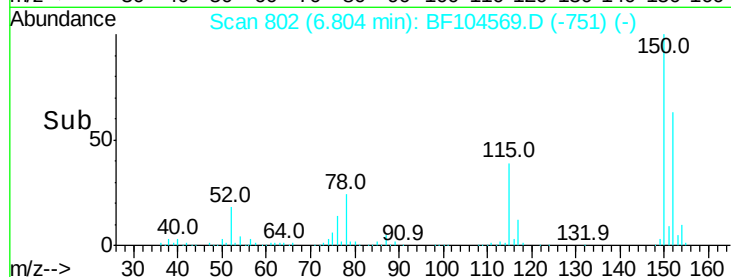
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104569.D
Acq: 17 Apr 2018 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143112
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 62.9 50.1 75.1



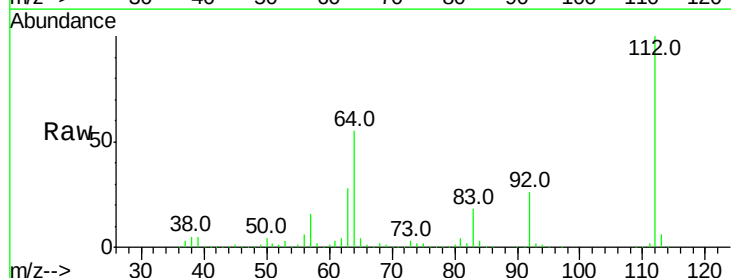
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



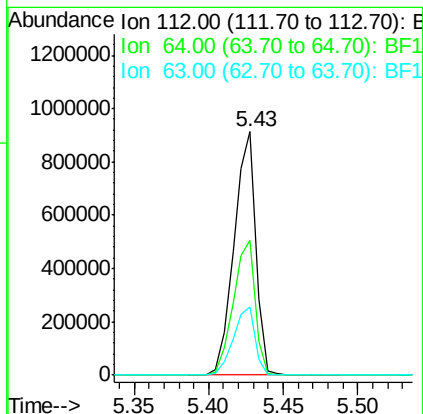
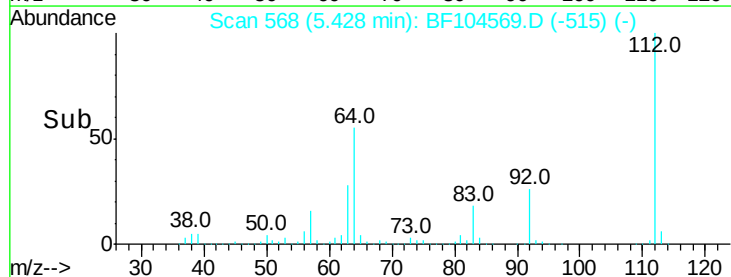
#5

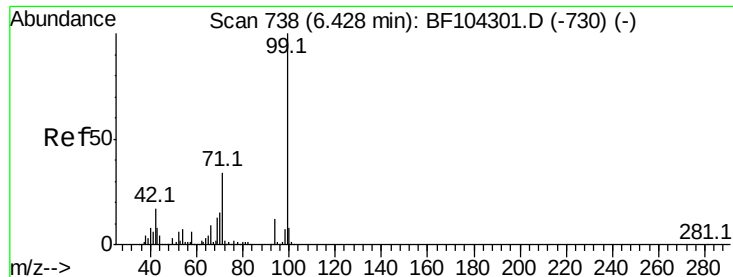
2-Fluorophenol
Concen: 99.931 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104569.D
Acq: 17 Apr 2018 18:51

Tgt Ion:112 Resp: 935303
Ion Ratio Lower Upper
112 100
64 55.4 47.9 71.9
63 28.2 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: 100.526 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104569.D

Acq: 17 Apr 2018 18:51

Instrument :

BNA_F

ClientSampleId :

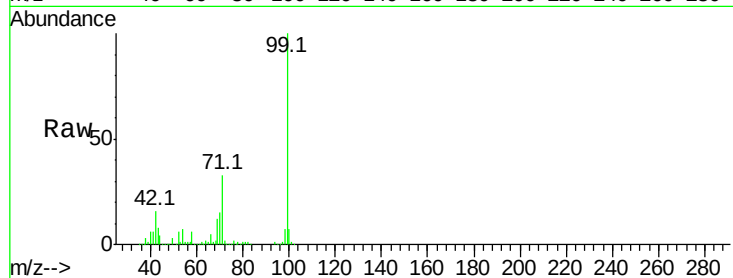
Tot Ion: 99 Resp: 1156025

Ion Ratio Lower Upper

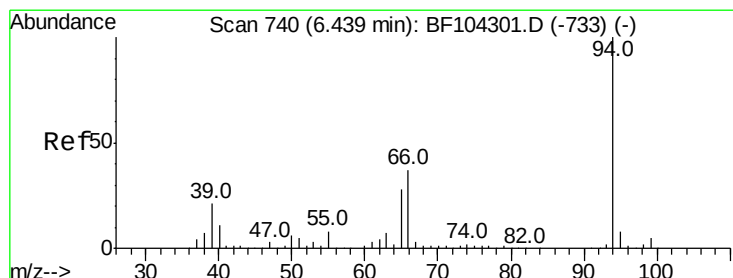
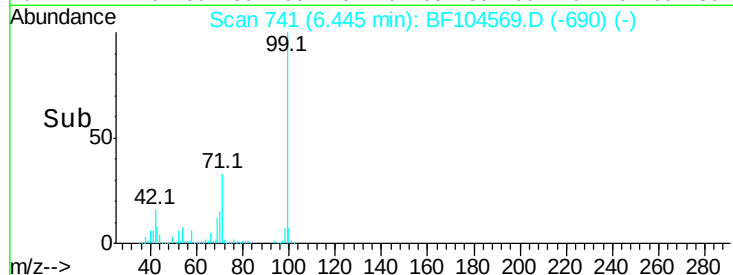
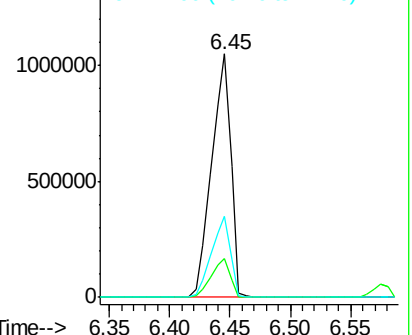
99 100

42 16.0 14.5 21.7

71 33.2 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



#10

Phenol

Concen: 4.011 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF104569.D

Acq: 17 Apr 2018 18:51

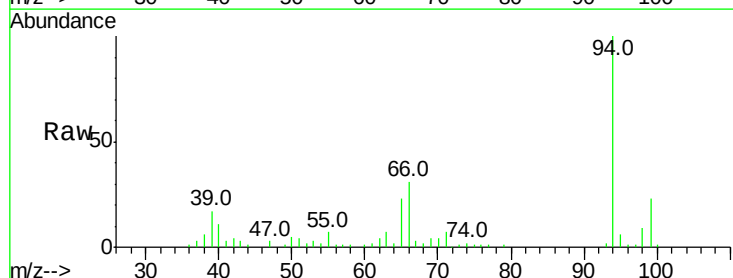
Tgt Ion: 94 Resp: 48941

Ion Ratio Lower Upper

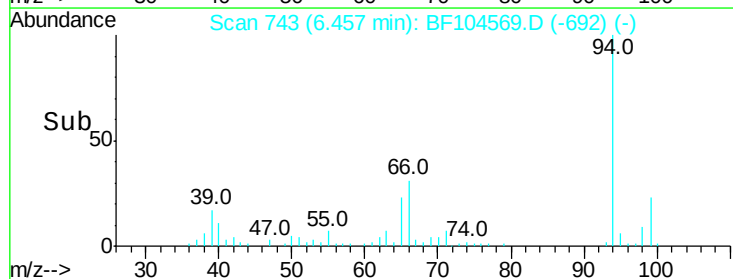
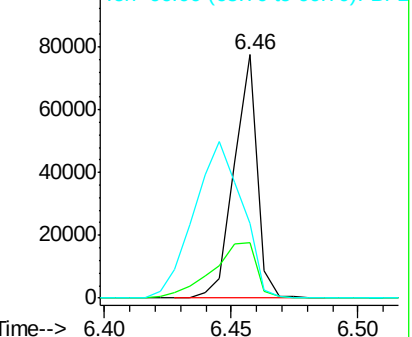
94 100

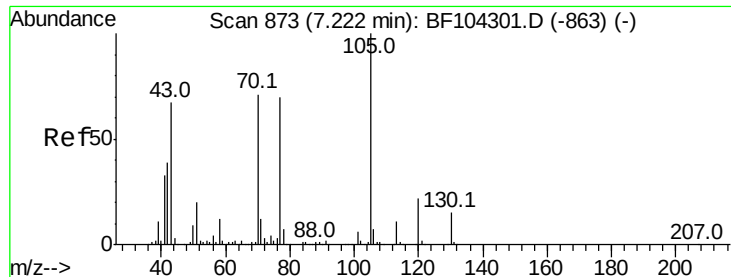
65 22.7 7.9 47.9

66 30.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.329 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104569.D

Acq: 17 Apr 2018 18:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 92649

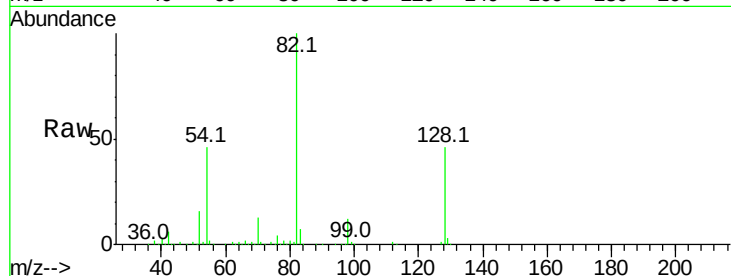
Ion Ratio Lower Upper

70 100

42 43.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1

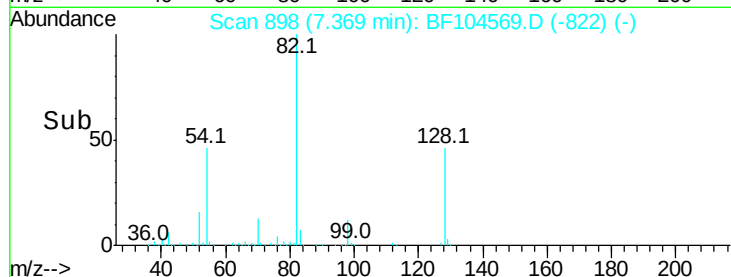
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

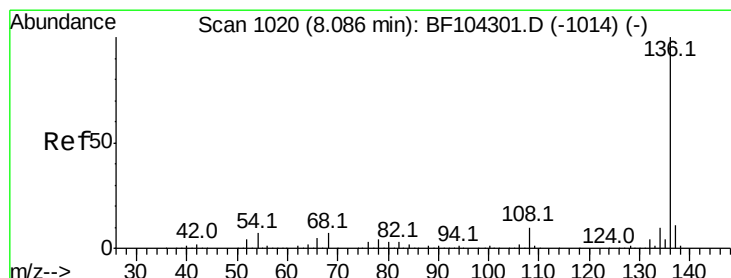
Ion 130.00 (129.70 to 130.70): BF1

7.37

7.35 7.37 7.40



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104569.D

Acq: 17 Apr 2018 18:51

Tgt Ion:136 Resp: 575668

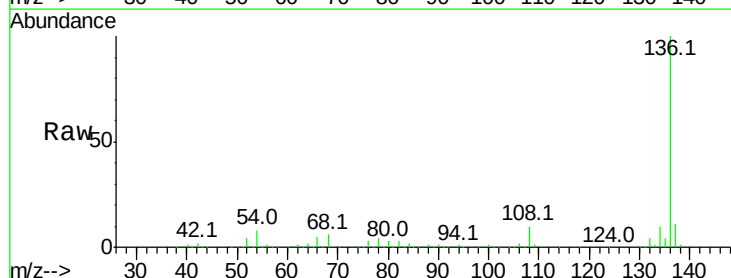
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.5 6.6 9.8

68 6.4 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): BF1

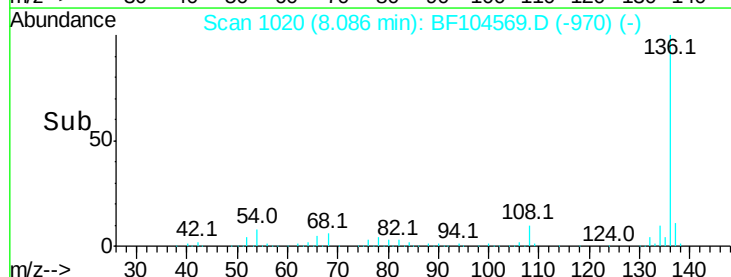
Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

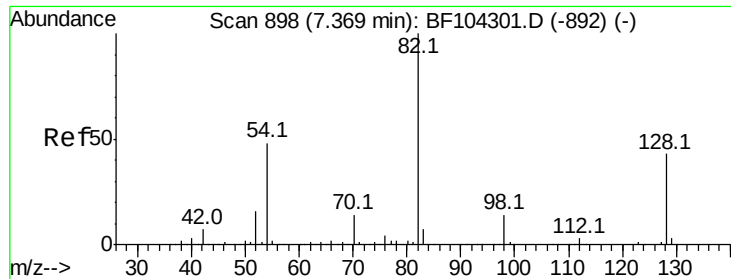
Ion 68.00 (67.70 to 68.70): BF1

8.09

8.00 8.10 8.20 8.30



Time-->



#23

Nitrobenzene-d5

Concen: 81.006 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104569.D

Acq: 17 Apr 2018 18:51

Instrument :

BNA_F

ClientSampled :

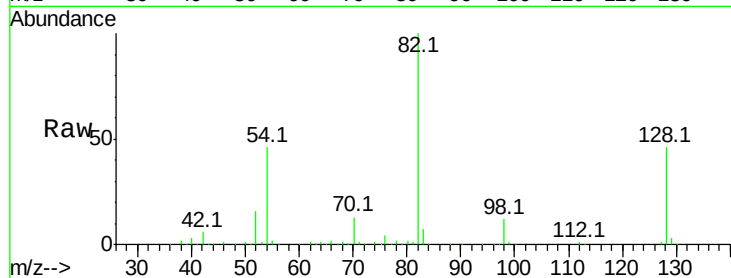
Tot Ion: 82 Resp: 714147

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

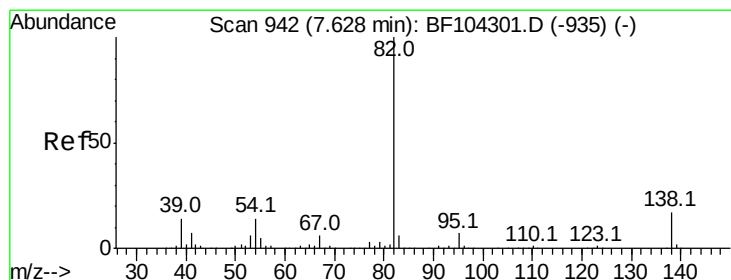
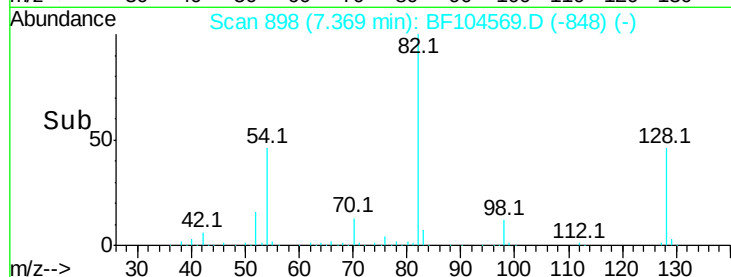
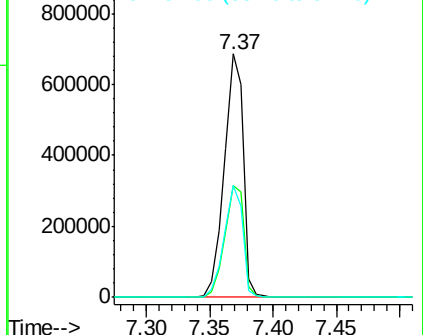
54 46.1 41.4 62.2



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: 38.307 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104569.D

Acq: 17 Apr 2018 18:51

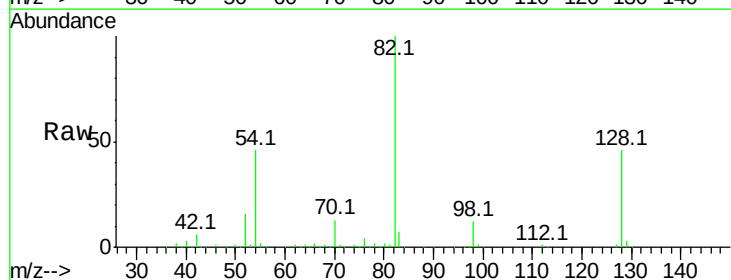
Tgt Ion: 82 Resp: 714142

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

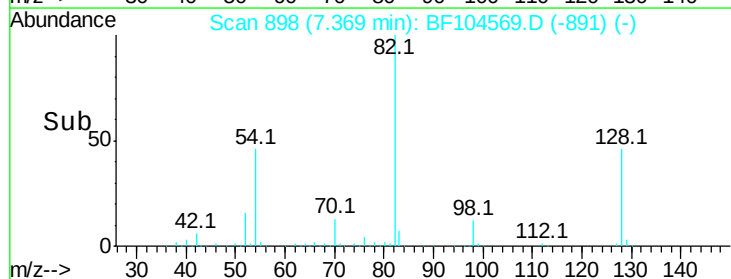
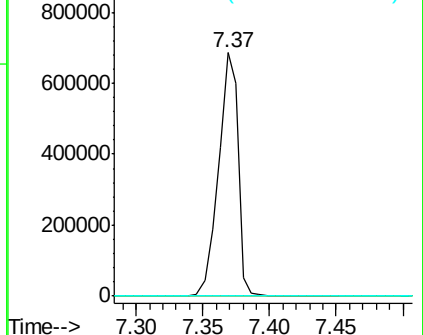
138 0.0 14.9 22.3#

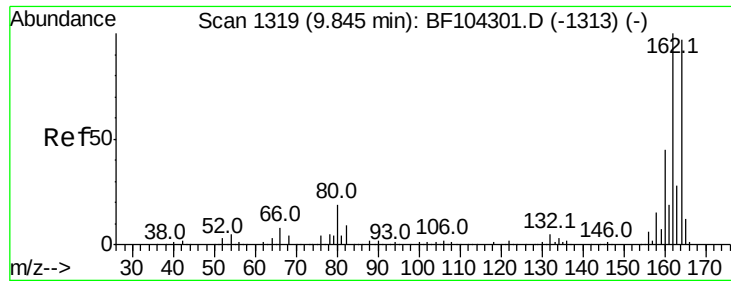


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

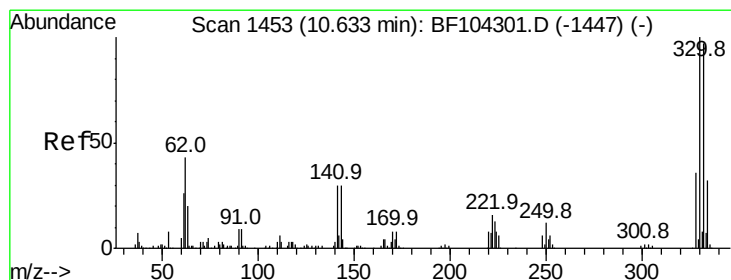
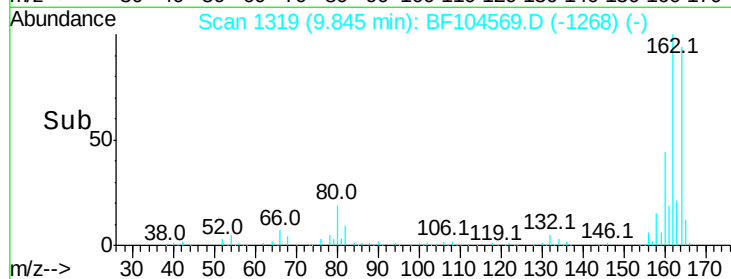
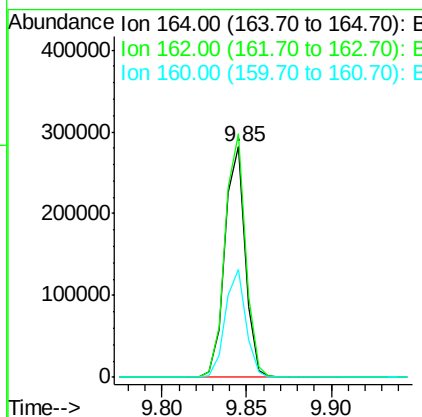
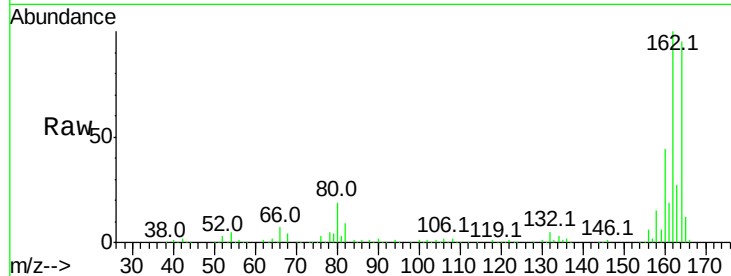




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF104569.D
 Acq: 17 Apr 2018 18:51

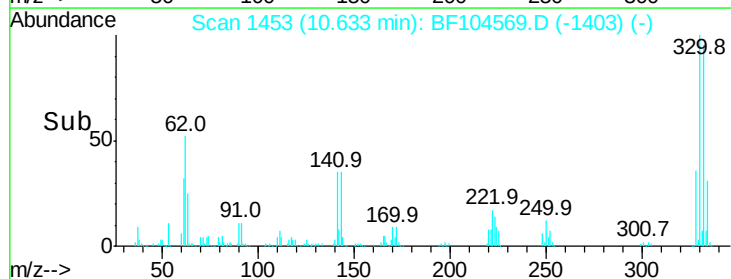
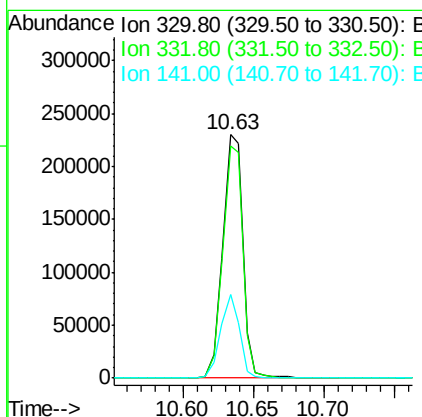
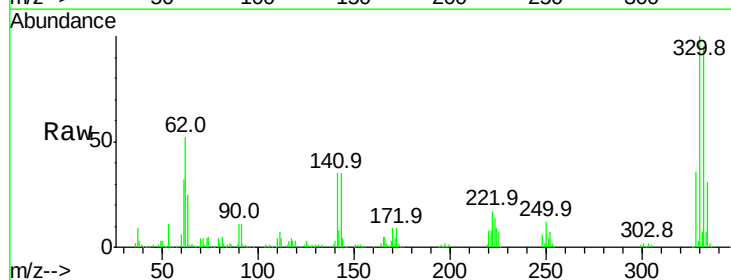
Instrument :
 BNA_F
 ClientSampleId :

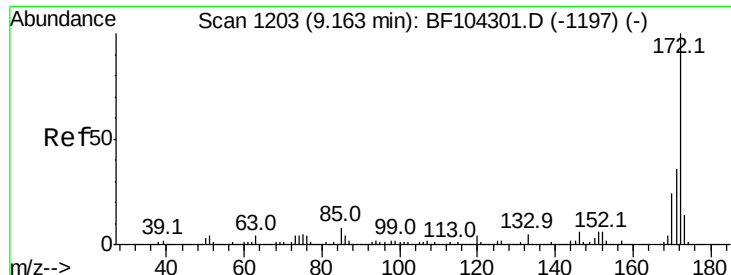
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.6	86.1	129.1
160	46.7	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 92.537 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104569.D
 Acq: 17 Apr 2018 18:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	32.6	29.9	44.9

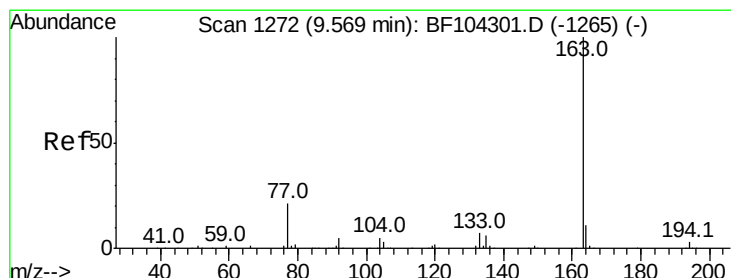
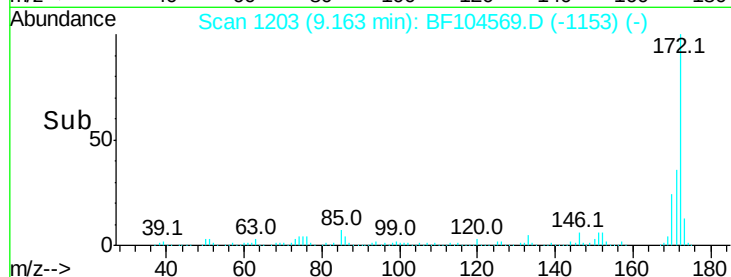
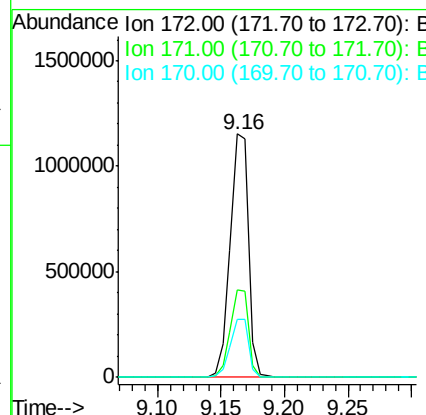
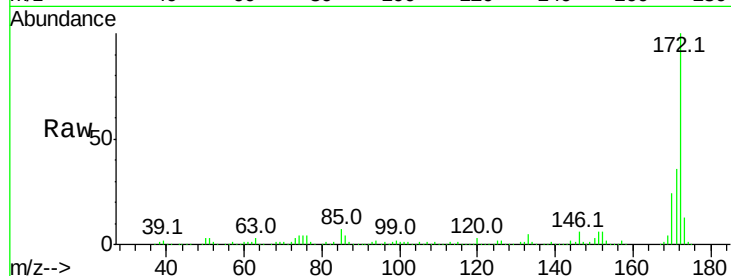




#44
2-Fluorobiphenyl
Concen: 77.006 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104569.D
Acq: 17 Apr 2018 18:51

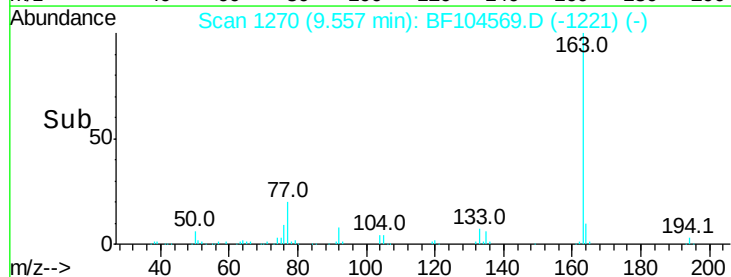
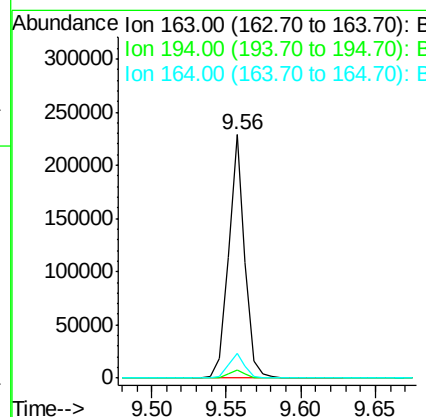
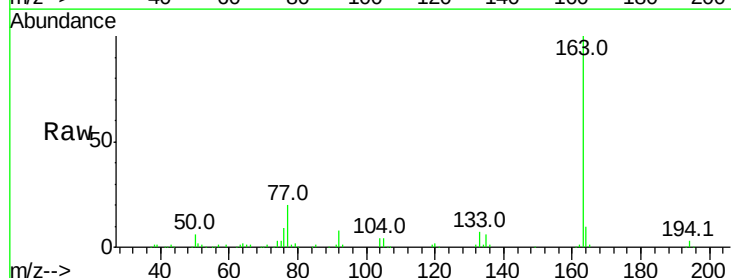
Instrument :
BNA_F
ClientSampleId :

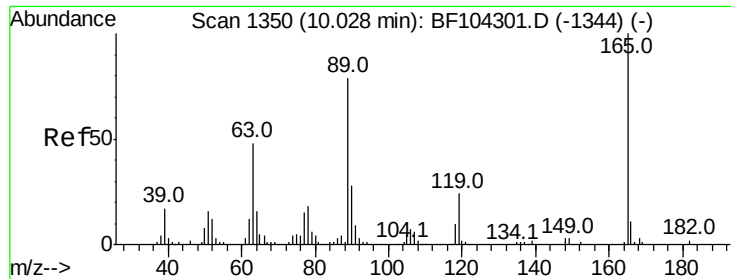
Tot Ion:172 Resp: 1158096
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 23.8 19.6 29.4



#49
Dimethylphthalate
Concen: 9.332 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104569.D
Acq: 17 Apr 2018 18:51

Tgt Ion:163 Resp: 174833
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.1 8.2 12.2

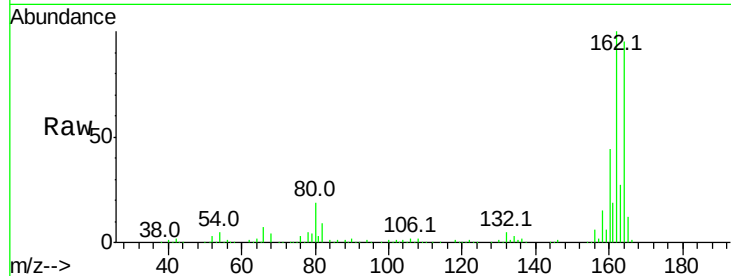




#56
2,4-Dinitrotoluene
Concen: 6.510 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.19 min
Lab File: BF104569.D
Acq: 17 Apr 2018 18:51

Instrument :
BNA_F
ClientSampled :

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

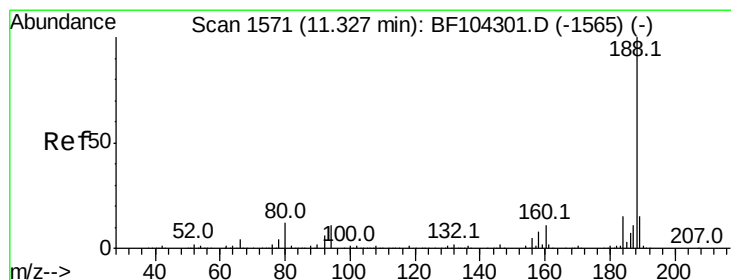
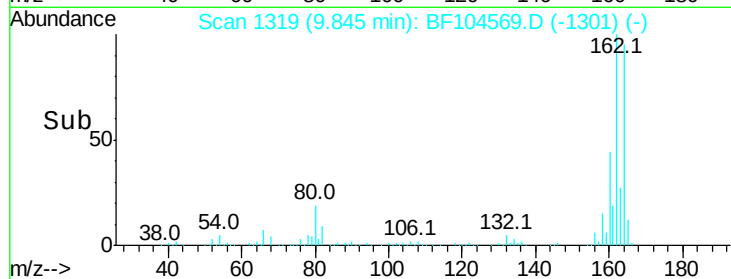
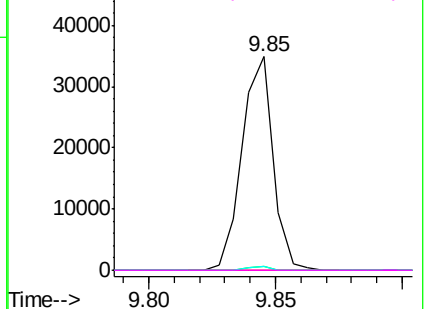


Abundance Ion 165.00 (164.70 to 165.70): E

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



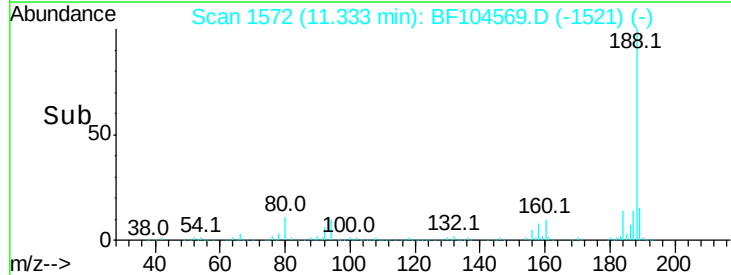
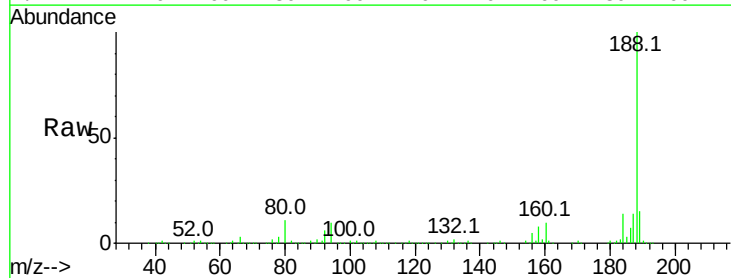
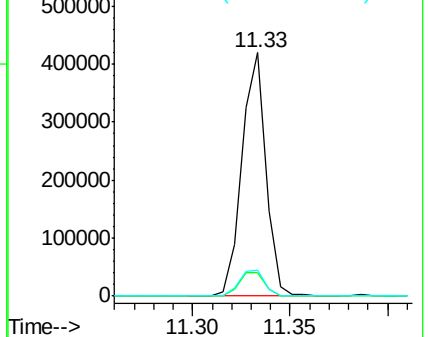
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104569.D
Acq: 17 Apr 2018 18:51

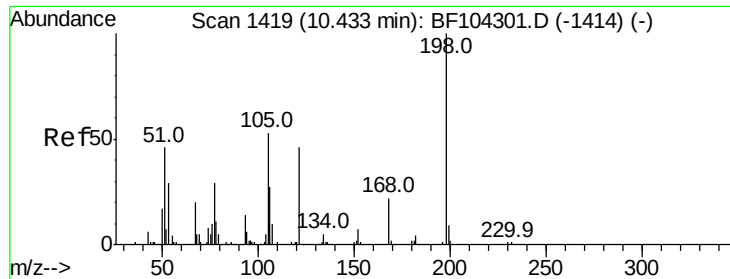
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.7	9.2	13.8

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

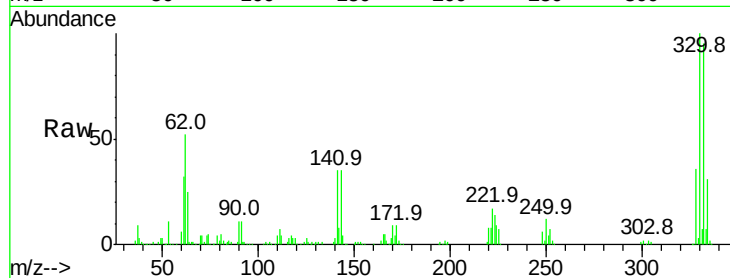




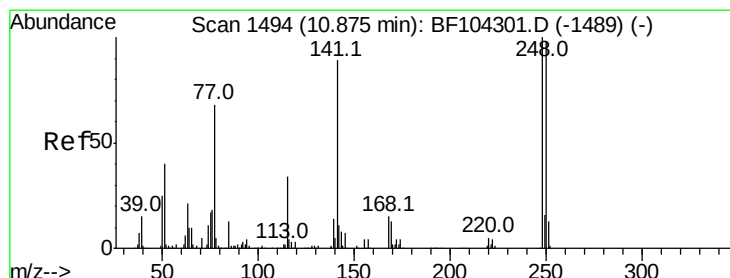
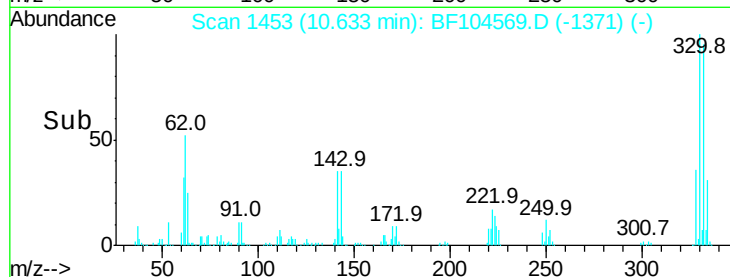
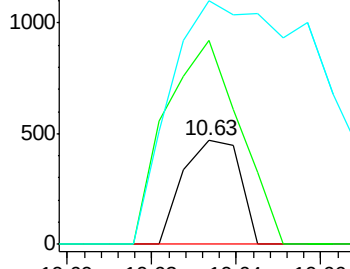
#64
4,6-Dinitro-2-methylphenol
Concen: 7.562 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104569.D
Acq: 17 Apr 2018 18:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 444
Ion Ratio Lower Upper
198 100
51 196.2 37.7 77.7#
105 234.0 36.3 76.3#

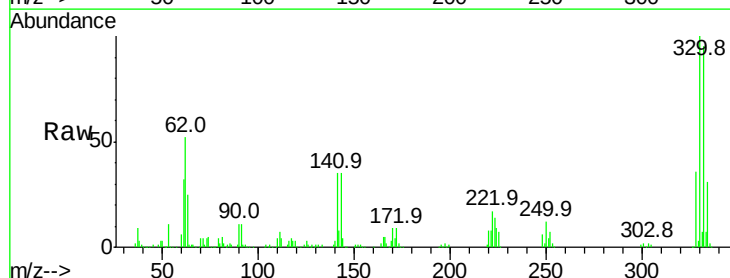


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

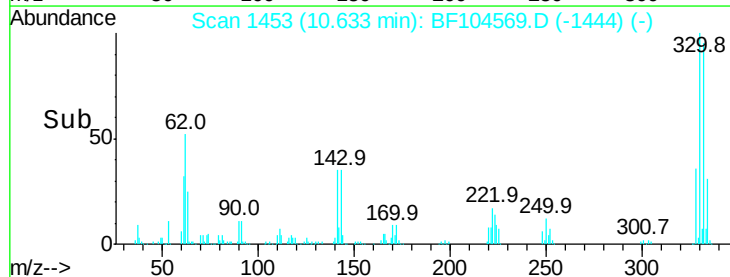
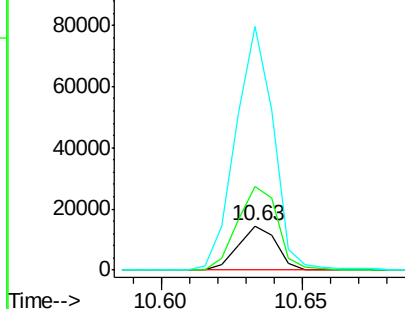


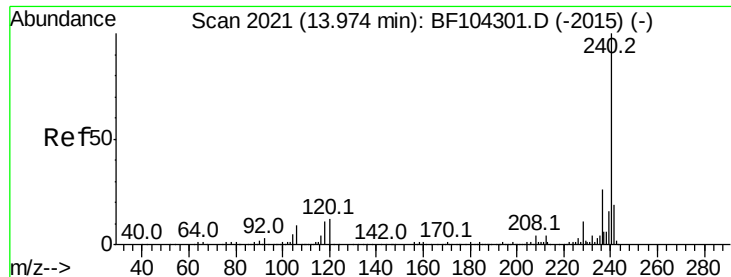
#66
4-Bromophenyl-phenylether
Concen: 3.554 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104569.D
Acq: 17 Apr 2018 18:51

Tgt Ion:248 Resp: 13553
Ion Ratio Lower Upper
248 100
250 190.8 76.9 115.3#
141 551.3 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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104569.D

Acq: 17 Apr 2018 18:51

Instrument :

BNA_F

ClientSampleId :

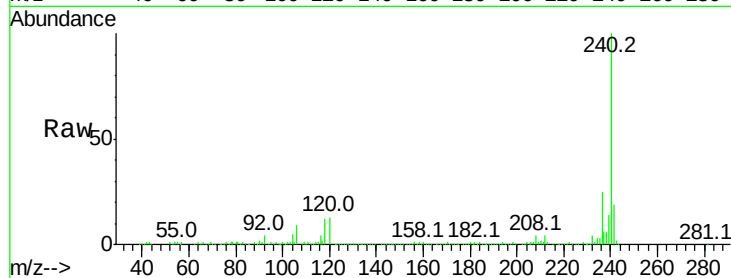
Tot Ion:240 Resp: 288439

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

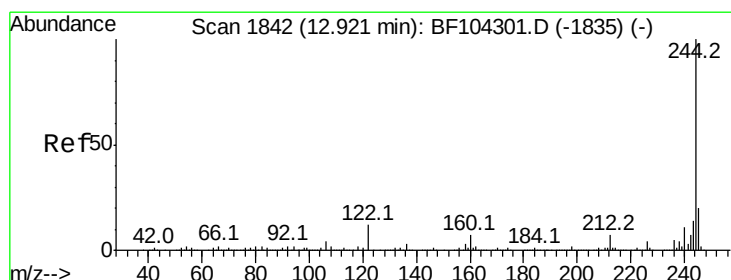
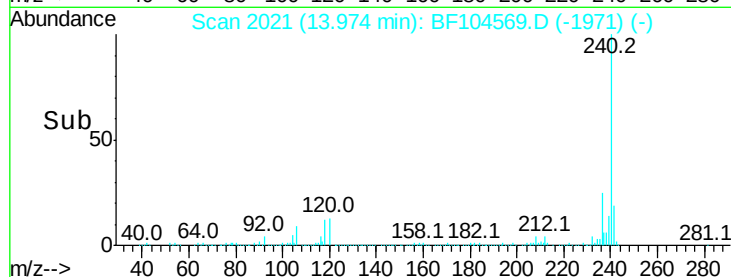
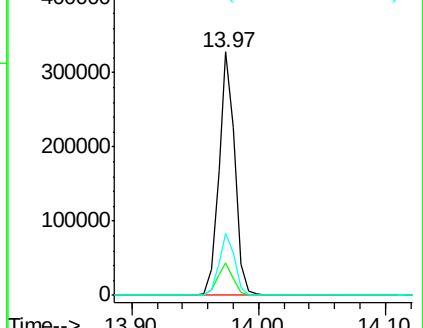
236 25.4 20.7 31.1



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: 68.832 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104569.D

Acq: 17 Apr 2018 18:51

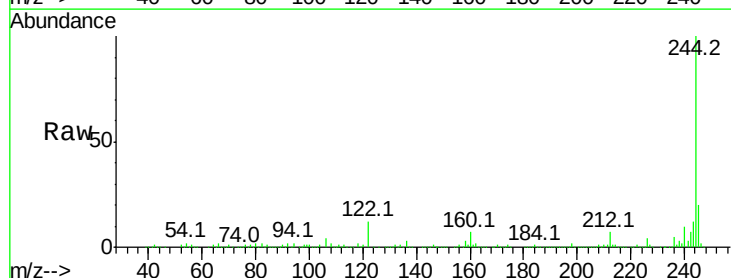
Tgt Ion:244 Resp: 870844

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

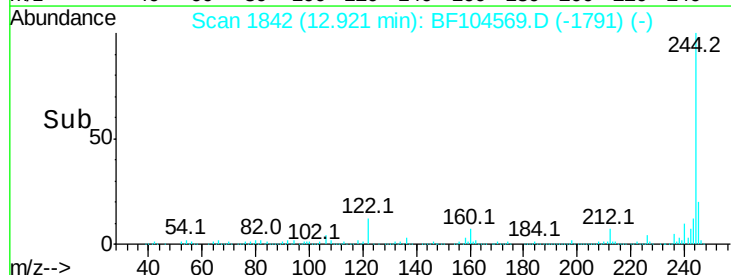
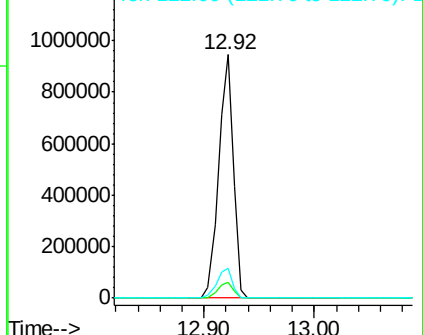
122 12.3 11.0 16.4

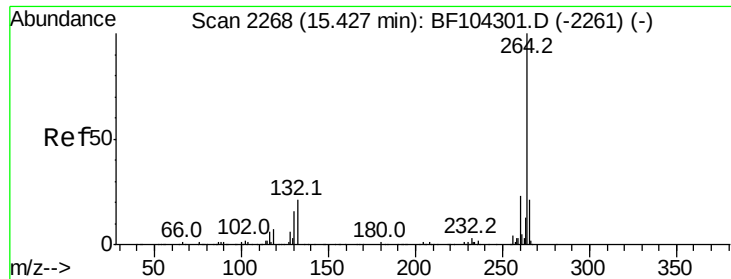


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

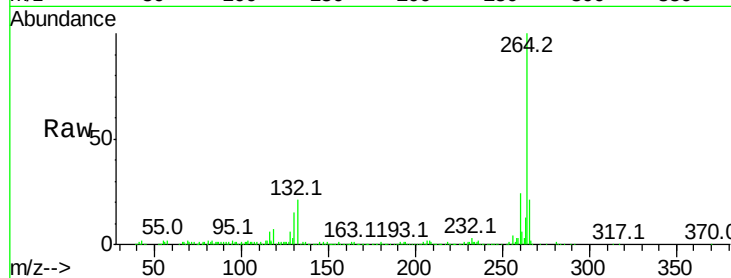




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: BF104569.D
 Acq: 17 Apr 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	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

