

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104376.D
 Acq On : 9 Apr 2018 17:03
 Operator : JU/SJ
 Sample : J2155-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:17:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

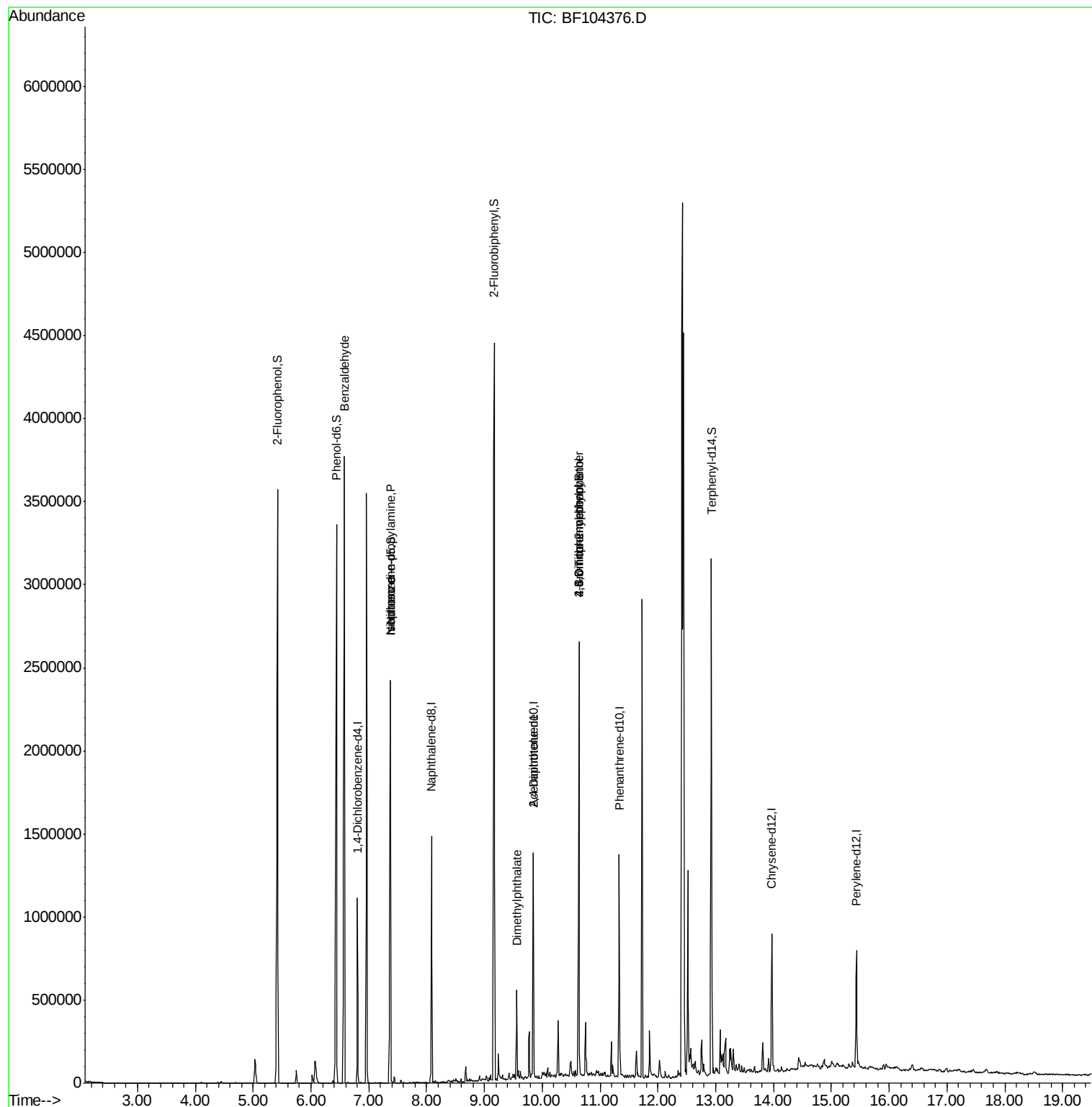
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	146016	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	597610	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	264211	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	434872	20.00	ng	0.00
75) Chrysene-d12	13.97	240	278013	20.00	ng	0.00
86) Perylene-d12	15.43	264	300687	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1242021	130.06	ng	0.02
7) Phenol-d6	6.44	99	1549385	132.05	ng	0.01
23) Nitrobenzene-d5	7.37	82	961029	105.01	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	361390	131.86	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1470859	87.94	ng	0.00
78) Terphenyl-d14	12.93	244	1164432	95.49	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	27773	2.345	ng	84
19) n-Nitroso-di-n-propylamine	7.37	70	126526	16.502	ng	# 72
25) Isophorone	7.37	82	960828	49.647	ng	# 64
49) Dimethylphthalate	9.56	163	164447	7.893	ng	98
56) 2,4-Dinitrotoluene	9.84	165	35185	6.958	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	683	7.620	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	21804	4.714	ng	# 1
76) Benzydine	12.44	184	493	Below Cal	#	1

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

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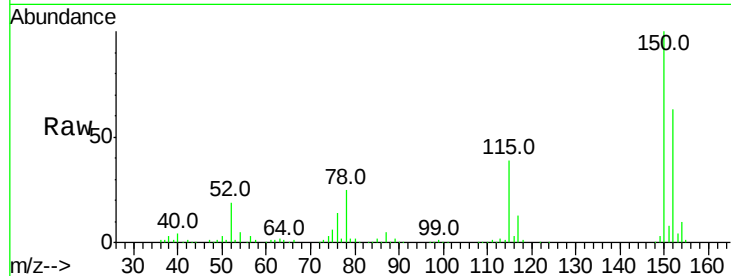


#1

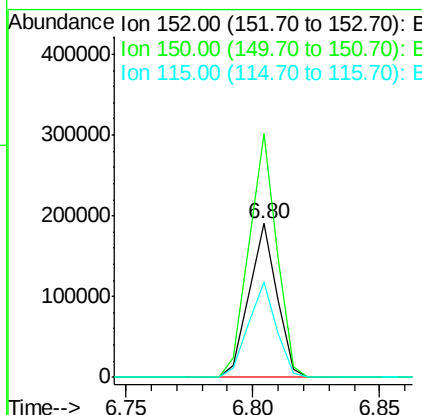
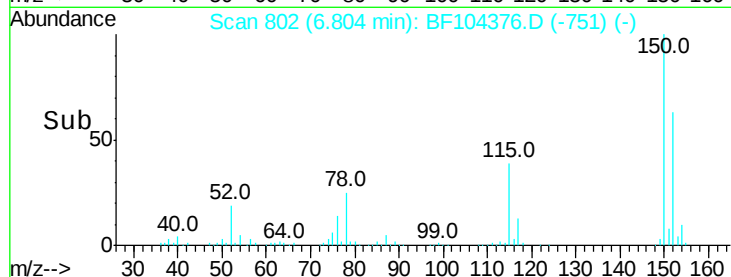
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104376.D
Acq: 9 Apr 2018 17:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146016
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 62.2 50.1 75.1



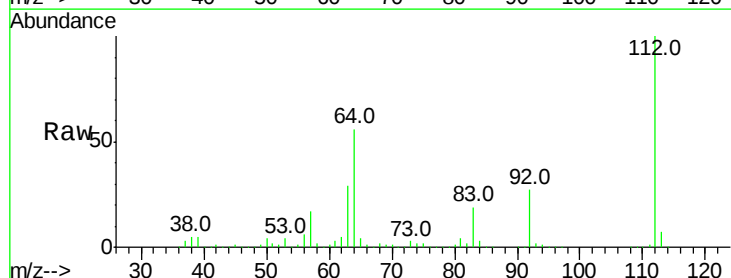
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



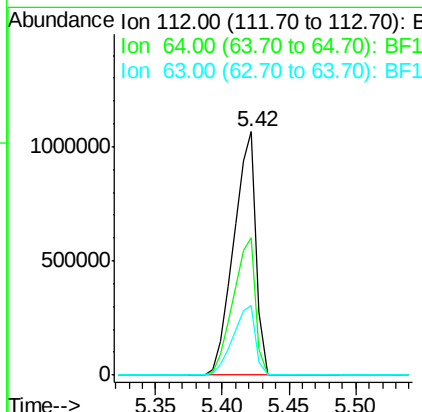
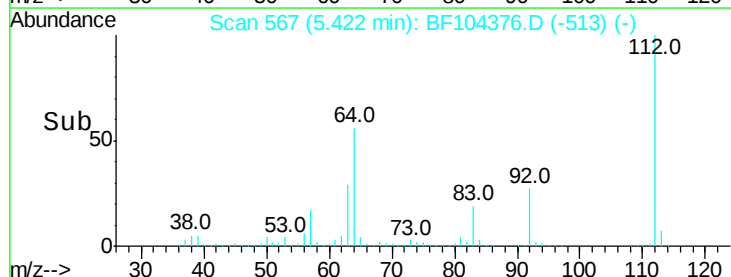
#5

2-Fluorophenol
Concen: 130.062 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF104376.D
Acq: 9 Apr 2018 17:03

Tgt Ion:112 Resp: 1242021
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 28.6 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: 132.052 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF104376.D

Acq: 9 Apr 2018 17:03

Instrument :

BNA_F

ClientSampleId :

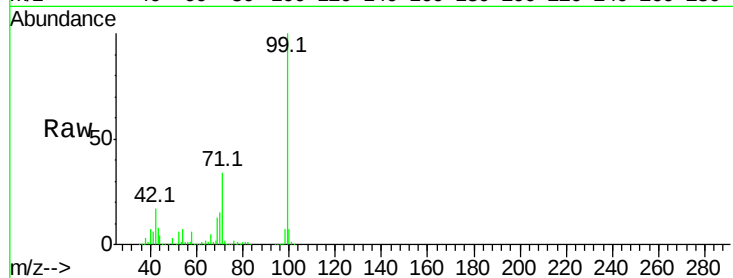
Tot Ion: 99 Resp: 1549385

Ion Ratio Lower Upper

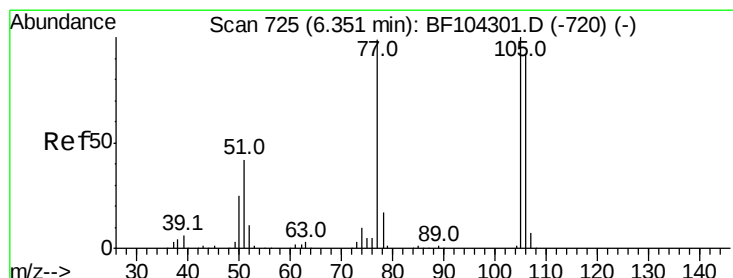
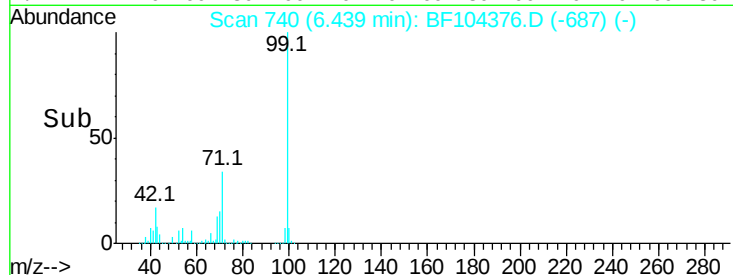
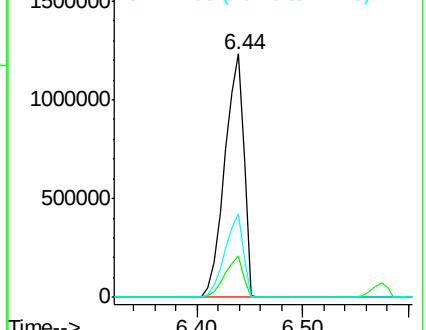
99 100

42 17.0 14.5 21.7

71 34.4 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: 2.345 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.22 min

Lab File: BF104376.D

Acq: 9 Apr 2018 17:03

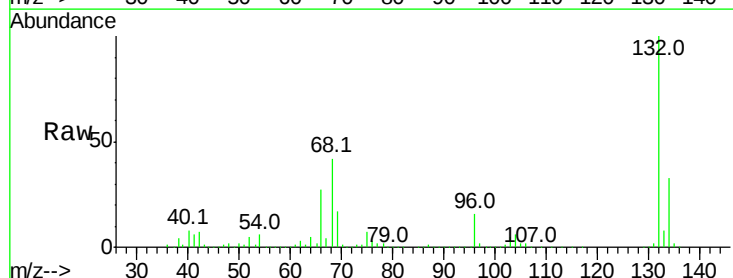
Tgt Ion: 77 Resp: 27773

Ion Ratio Lower Upper

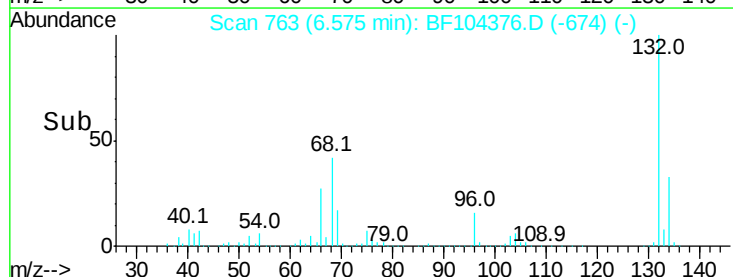
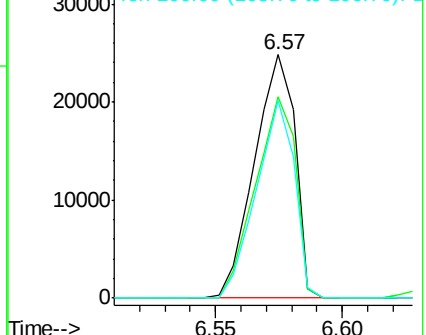
77 100

105 82.8 81.1 121.1

106 81.0 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

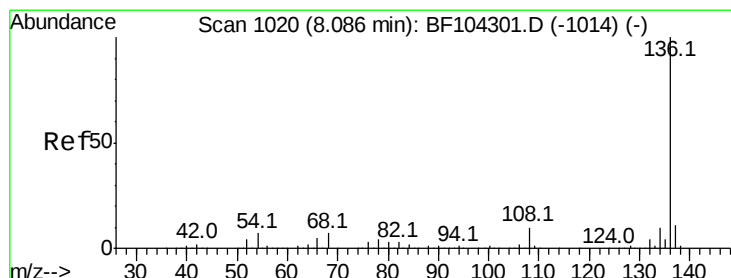
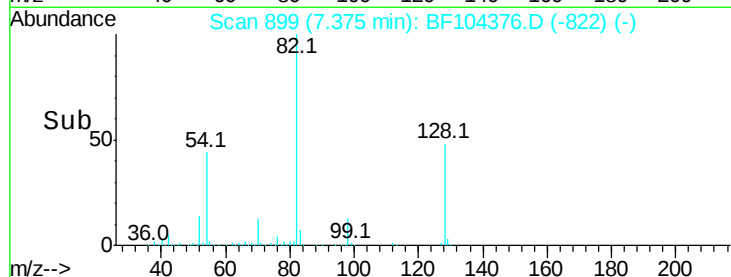
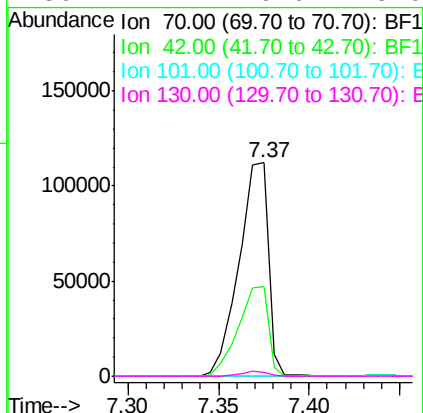
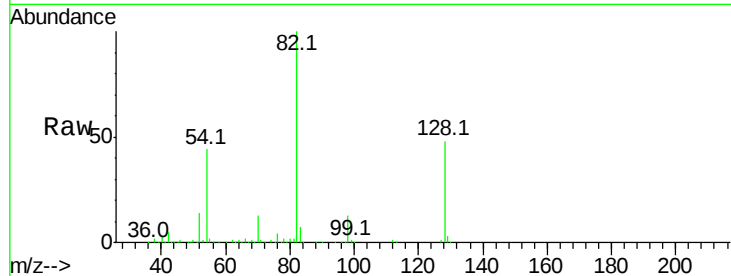




#19
n-Nitroso-di-n-propylamine
Concen: 16.502 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104376.D
Acq: 9 Apr 2018 17:03

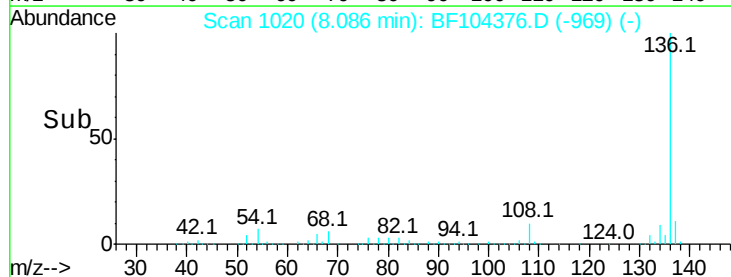
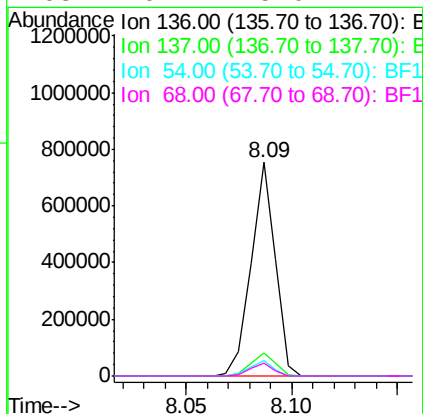
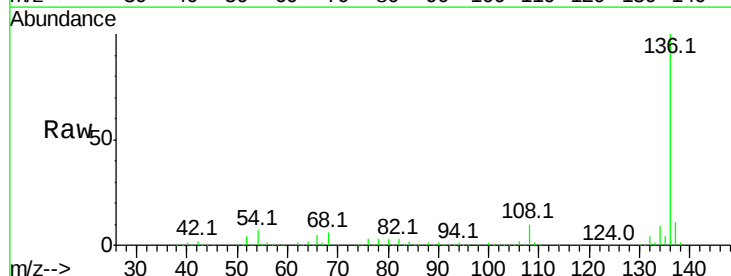
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 126526
Ion Ratio Lower Upper
70 100
42 41.8 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. 0.00 min
Lab File: BF104376.D
Acq: 9 Apr 2018 17:03

Tgt Ion:136 Resp: 597610
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.1 6.6 9.8
68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 105.007 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: BF104376.D

Acq: 9 Apr 2018 17:03

Instrument :

BNA_F

ClientSampleId :

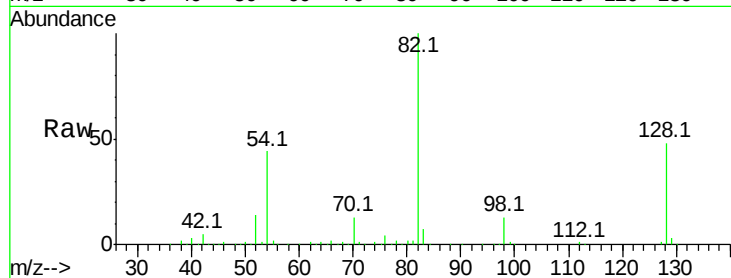
Tot Ion: 82 Resp: 961029

Ion Ratio Lower Upper

82 100

128 48.0 36.1 54.1

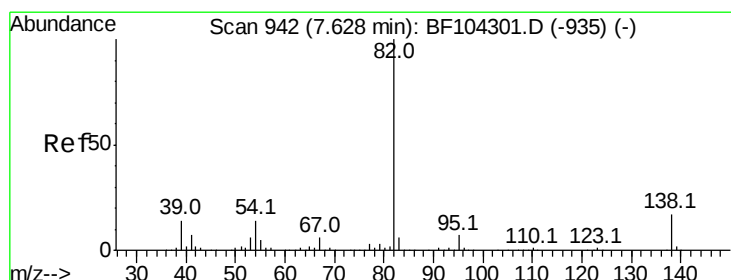
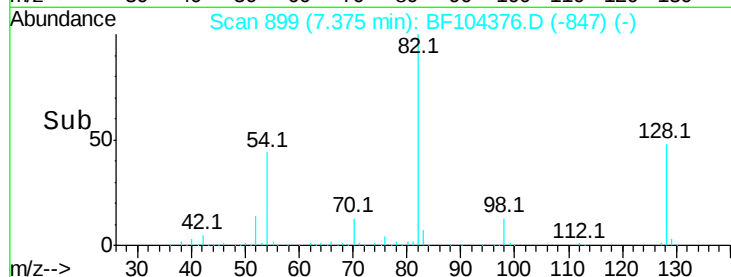
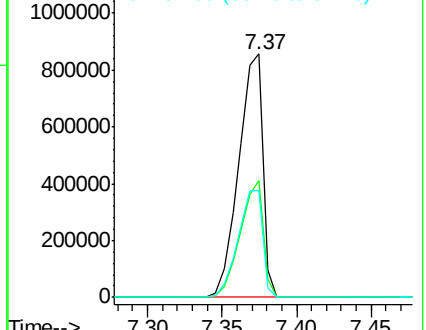
54 44.0 41.4 62.2



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: 49.647 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104376.D

Acq: 9 Apr 2018 17:03

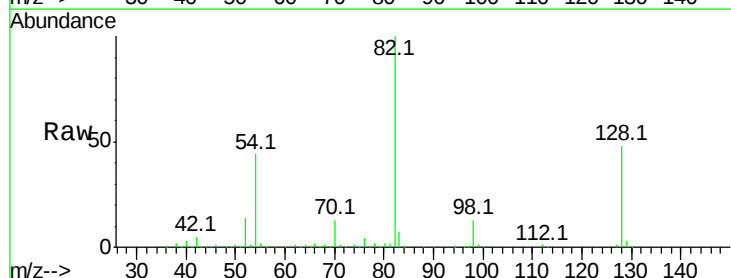
Tgt Ion: 82 Resp: 960828

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

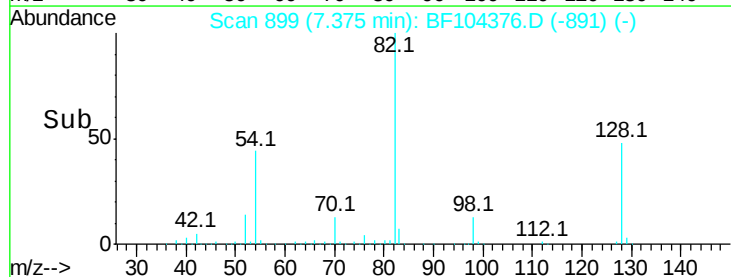
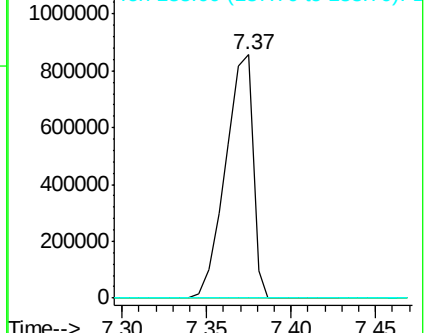
138 0.0 14.9 22.3#

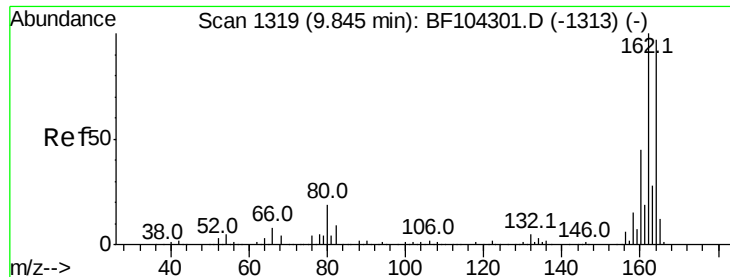


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

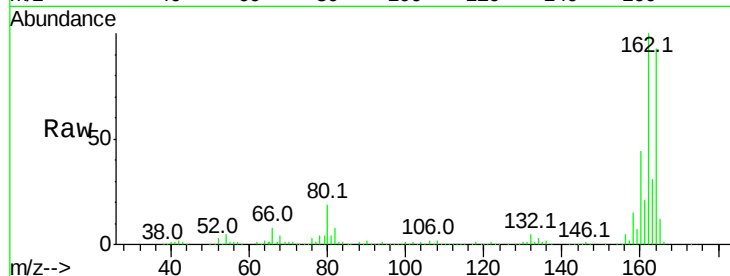




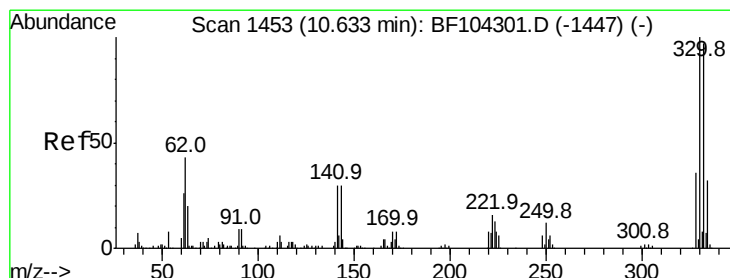
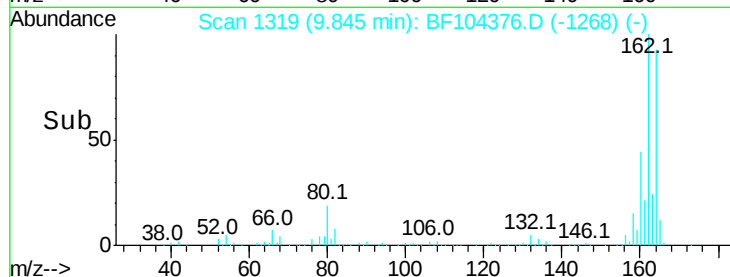
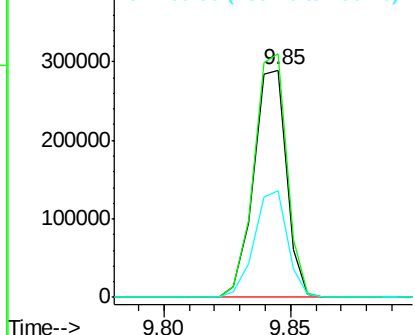
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104376.D
 Acq: 9 Apr 2018 17:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.1	86.1	129.1
160	46.9	38.3	57.5

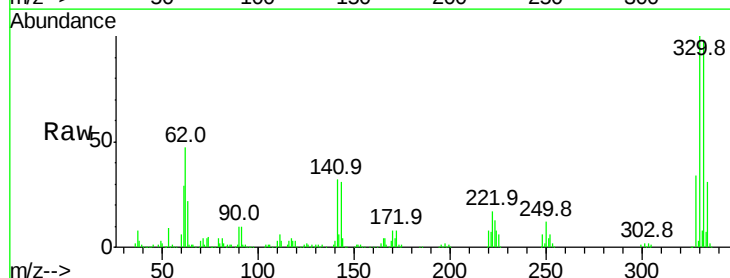


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

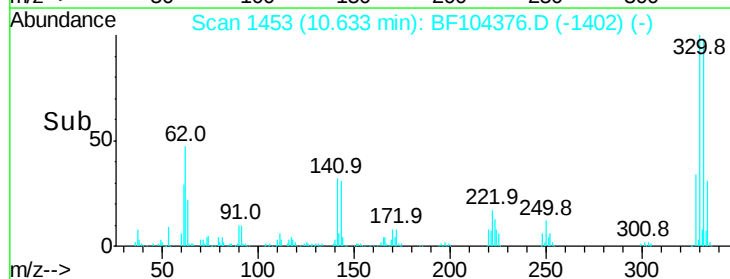
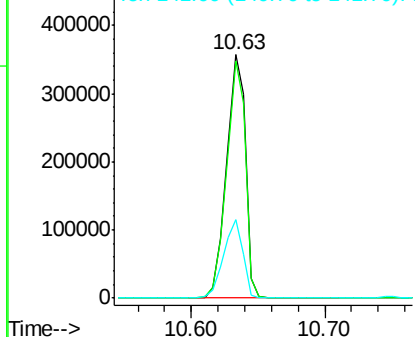


#41
 2,4,6-Tribromophenol
 Concen: 131.859 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF104376.D
 Acq: 9 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	33.0	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

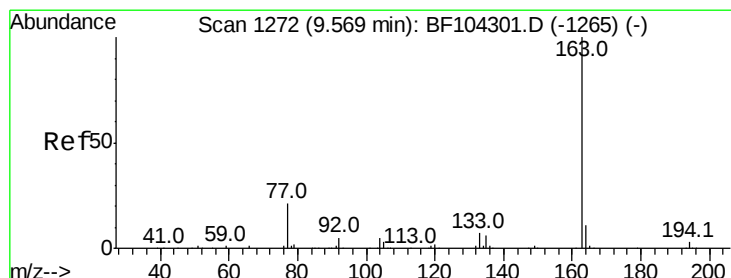
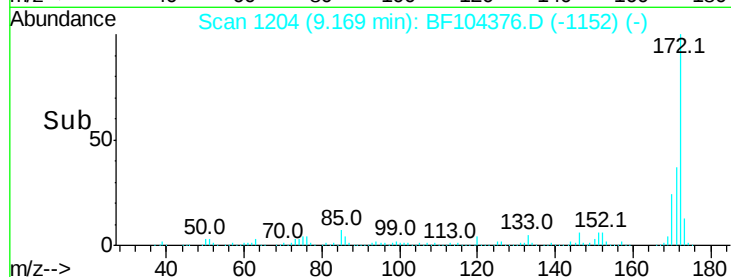
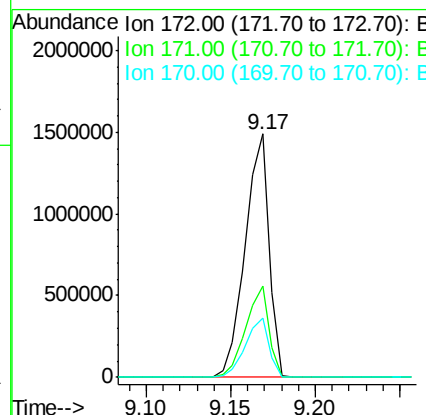
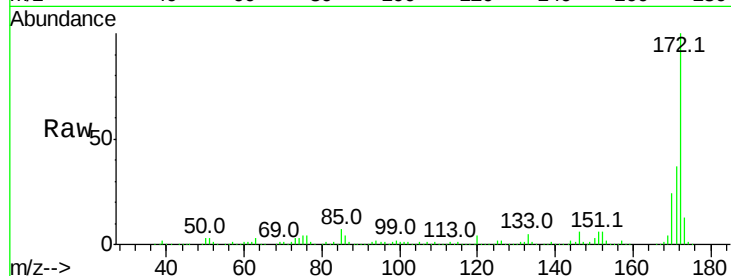




#44
2-Fluorobiphenyl
Concen: 87.945 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF104376.D
Acq: 9 Apr 2018 17:03

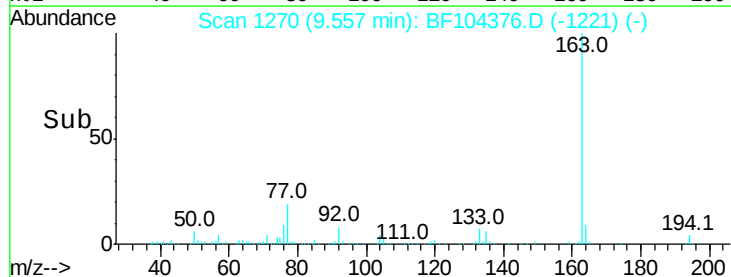
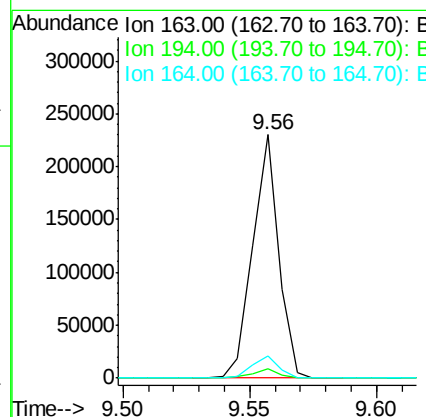
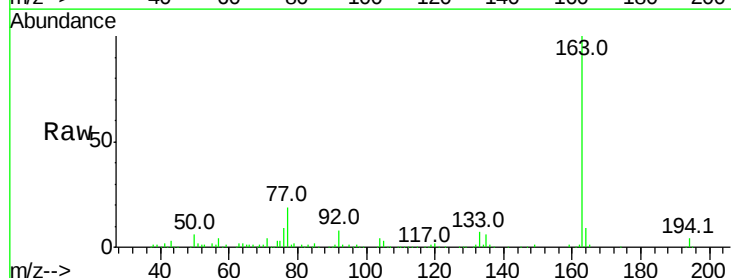
Instrument :
BNA_F
ClientSampleId :

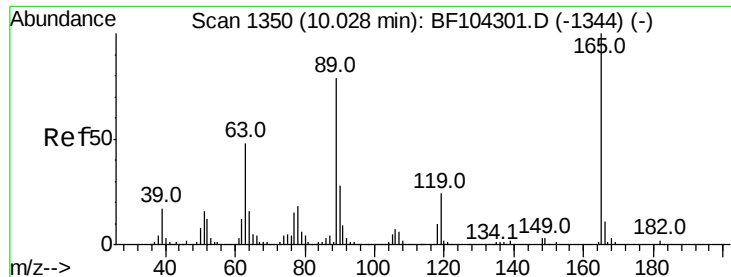
Tot Ion:172 Resp: 1470859
Ion Ratio Lower Upper
172 100
171 37.3 29.7 44.5
170 24.4 19.6 29.4



#49
Dimethylphthalate
Concen: 7.893 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104376.D
Acq: 9 Apr 2018 17:03

Tgt Ion:163 Resp: 164447
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.3 8.2 12.2

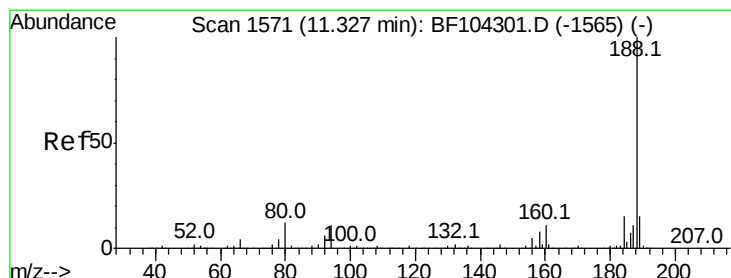
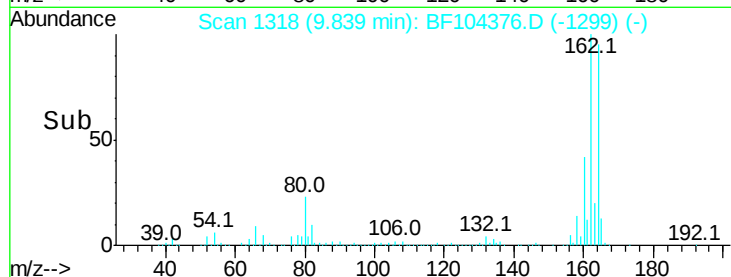
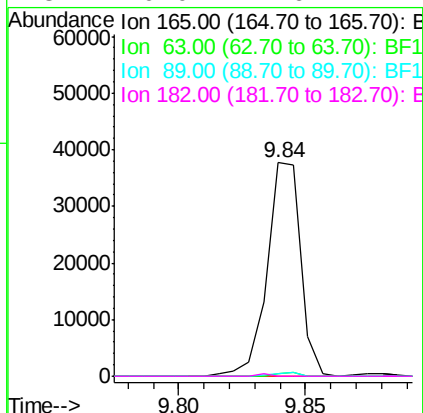
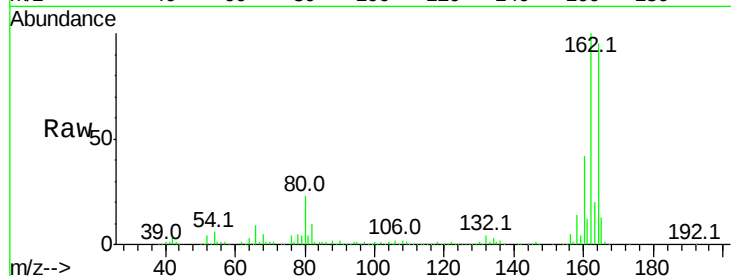




#56
 2,4-Dinitrotoluene
 Concen: 6.958 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104376.D
 Acq: 9 Apr 2018 17:03

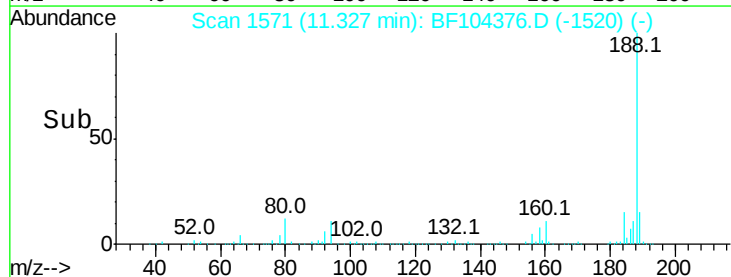
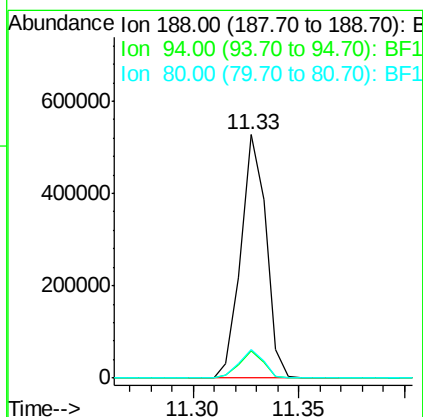
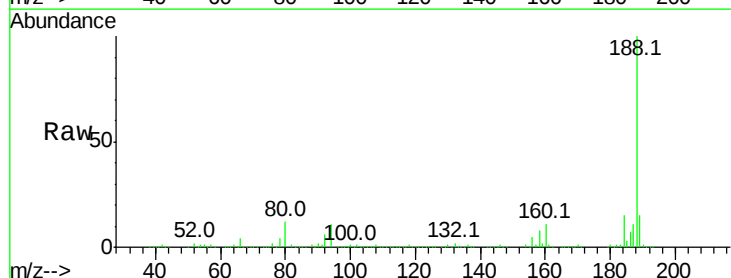
Instrument :
 BNA_F
 ClientSampleId :

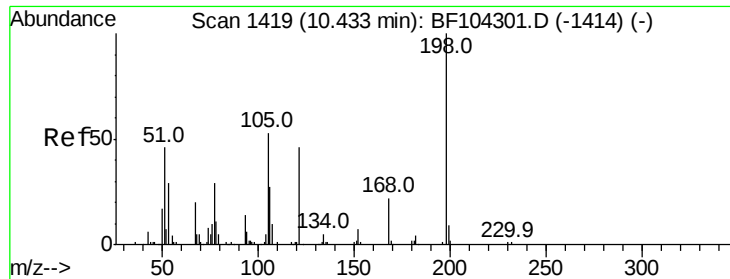
Tot Ion:	165	Resp:	35185
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF104376.D
 Acq: 9 Apr 2018 17:03

Tgt Ion:	188	Resp:	434872
Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.5	12.7
80	11.9	9.2	13.8

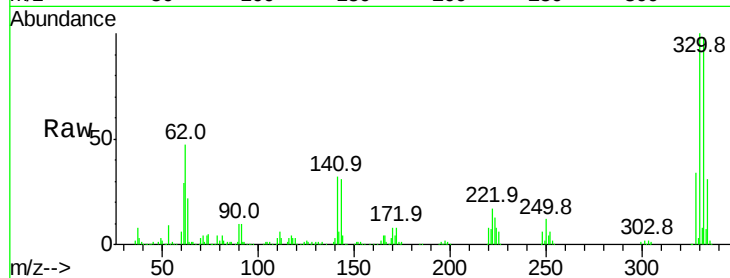




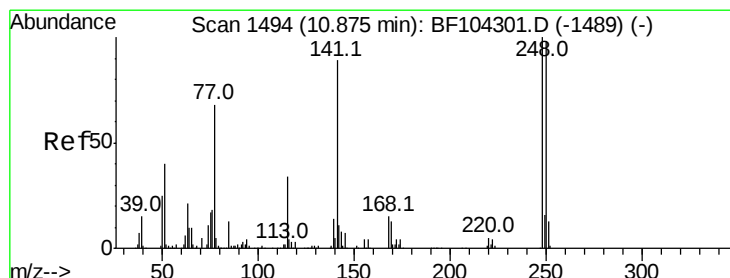
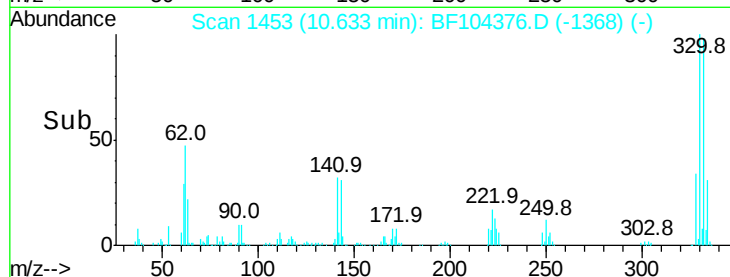
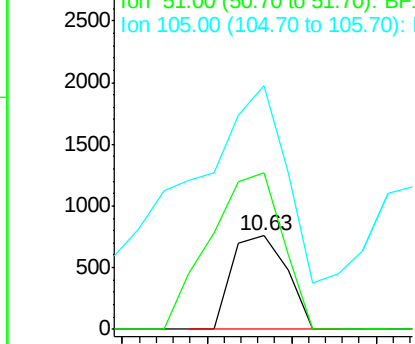
#64
4,6-Dinitro-2-methylphenol
Concen: 7.620 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.20 min
Lab File: BF104376.D
Acq: 9 Apr 2018 17:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 683
Ion Ratio Lower Upper
198 100
51 167.2 37.7 77.7#
105 259.6 36.3 76.3#

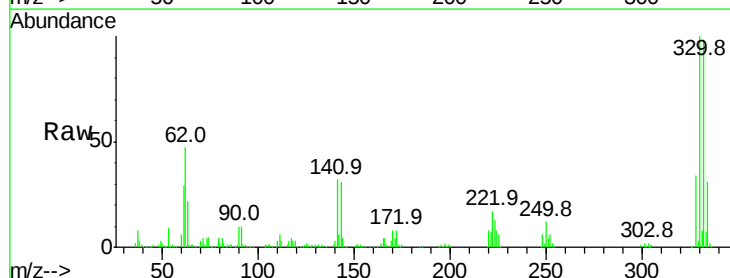


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

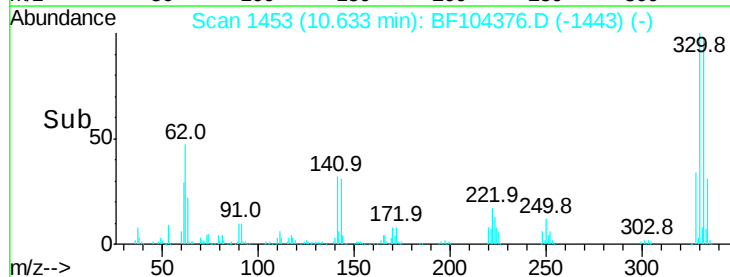
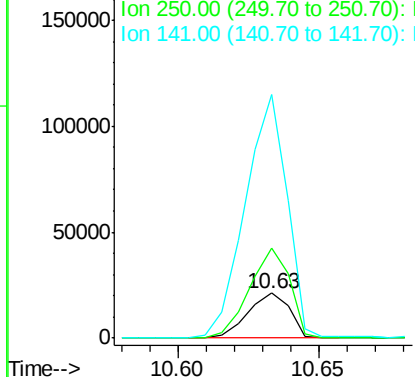


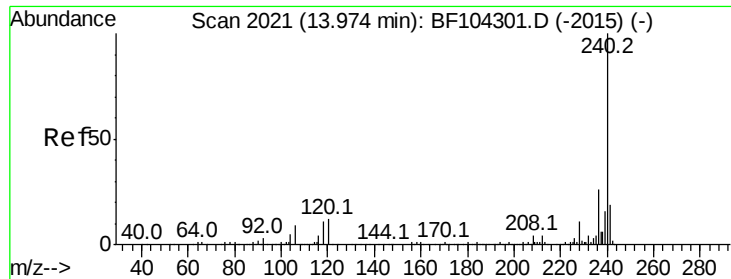
#66
4-Bromophenyl-phenylether
Concen: 4.714 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104376.D
Acq: 9 Apr 2018 17:03

Tgt Ion:248 Resp: 21804
Ion Ratio Lower Upper
248 100
250 203.0 76.9 115.3#
141 545.2 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. -0.00 min

Lab File: BF104376.D

Acq: 9 Apr 2018 17:03

Instrument :

BNA_F

ClientSampleId :

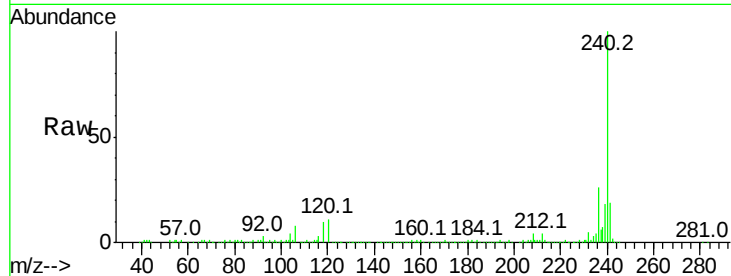
Tot Ion:240 Resp: 278013

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

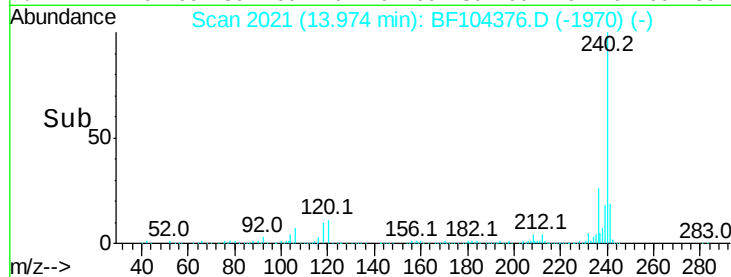
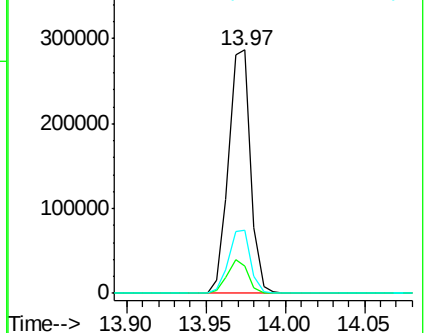
236 25.8 20.7 31.1



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: 95.489 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104376.D

Acq: 9 Apr 2018 17:03

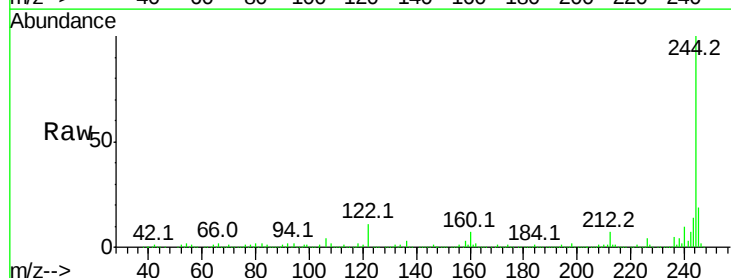
Tgt Ion:244 Resp: 1164432

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

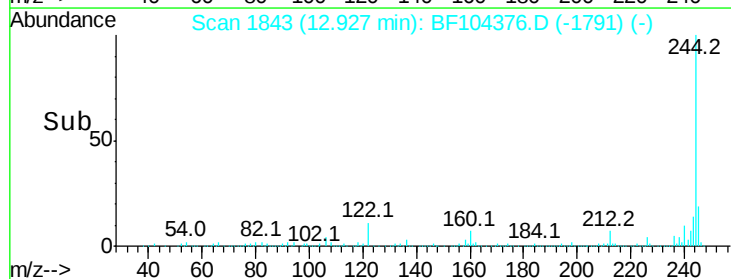
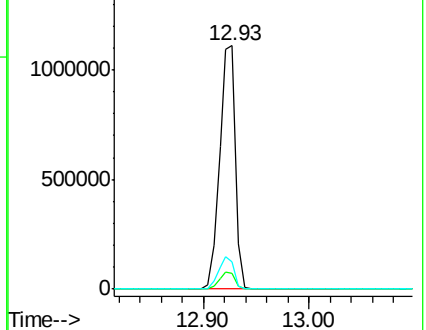
122 11.2 11.0 16.4

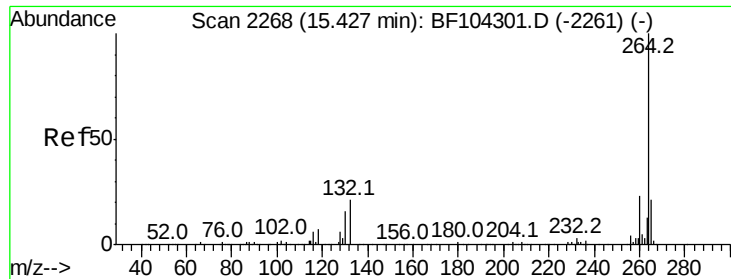


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF104376.D
 Acq: 9 Apr 2018 17:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.4	17.5	26.3

