

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104514.D
 Acq On : 14 Apr 2018 9:19
 Operator : JU/SJ
 Sample : J2368-08
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 00:41:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

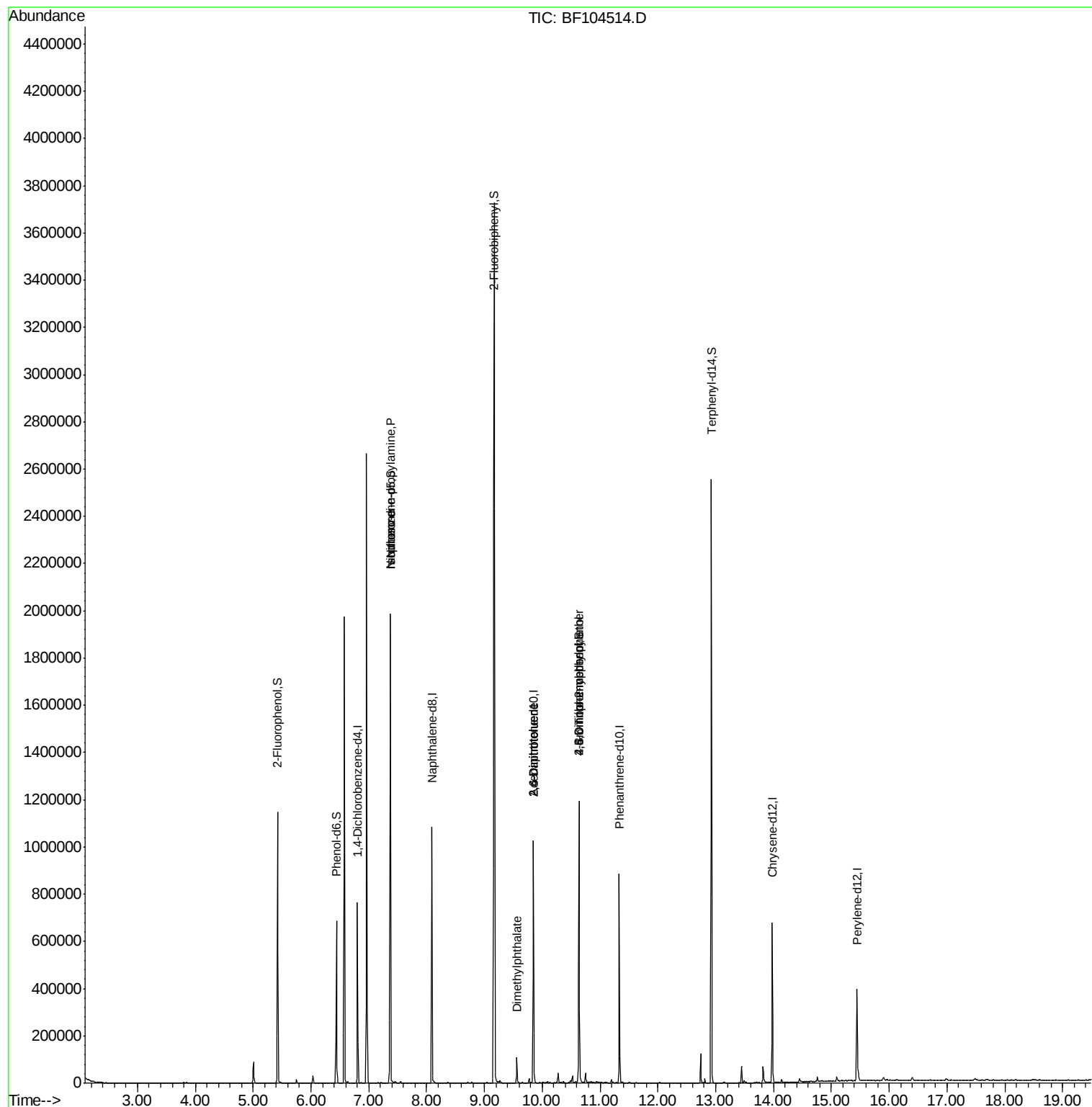
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	118472	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	475957	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	200936	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	301505	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	219831	20.00	ng	-0.01
86) Perylene-d12	15.44	264	176773	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	306268	39.53	ng	0.00
7) Phenol-d6	6.44	99	231230	24.29	ng	0.00
23) Nitrobenzene-d5	7.37	82	696269	95.52	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	152997	73.40	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1225439	96.34	ng	0.00
78) Terphenyl-d14	12.93	244	884986	91.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	90767	14.591	ng	# 74
25) Isophorone	7.37	82	696263	45.172	ng	# 64
49) Dimethylphthalate	9.56	163	46565	2.939	ng	# 98
50) 2,6-Dinitrotoluene	9.85	165	25049	8.543	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	25049	6.513	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	303	7.522	ng	# 8
66) 4-Bromophenyl-phenylether	10.64	248	9406	2.933	ng	# 1
76) Benzidine	12.93	184	11876	Below Cal		98

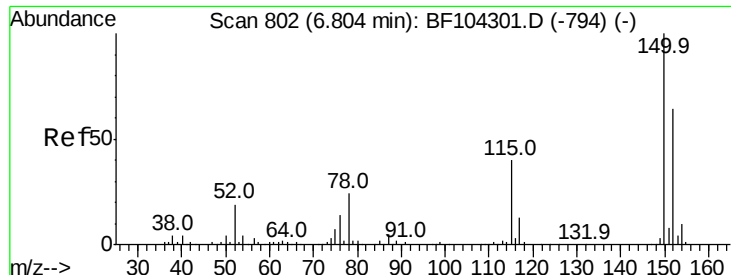
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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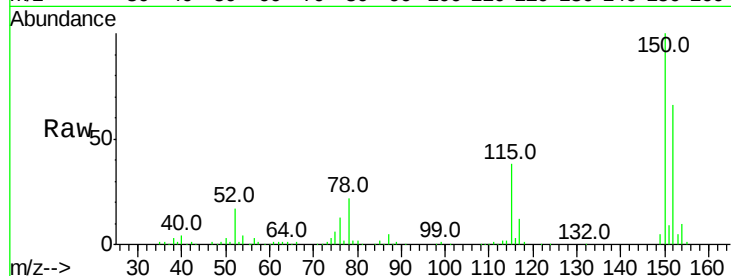


#1

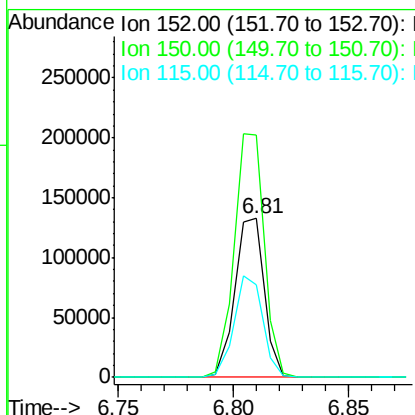
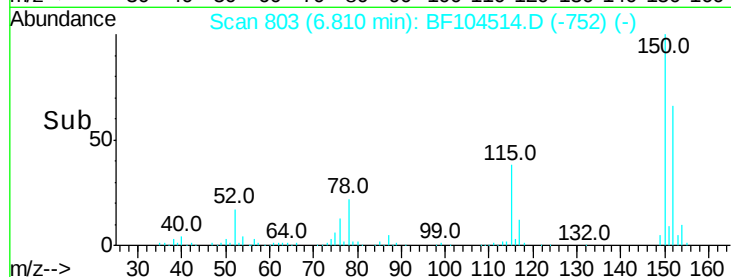
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF104514.D
 Acq: 14 Apr 2018 9:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 118472
 Ion Ratio Lower Upper
 152 100
 150 152.4 124.6 186.8
 115 58.7 50.1 75.1



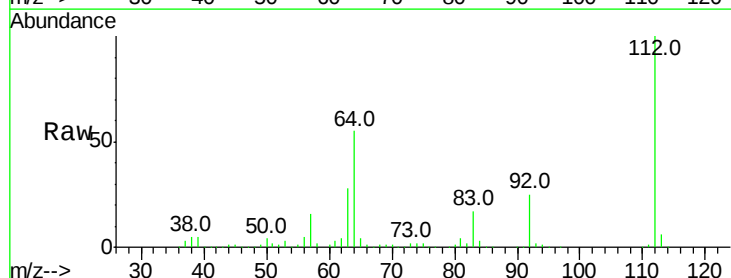
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



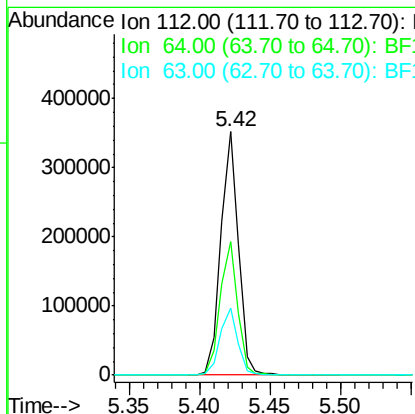
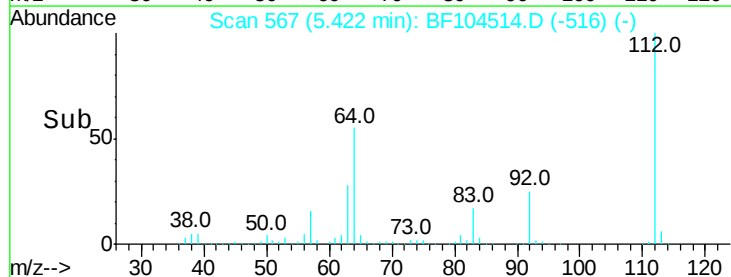
#5

2-Fluorophenol
 Concen: 39.528 ng
 RT: 5.42 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: BF104514.D
 Acq: 14 Apr 2018 9:19

Tgt Ion:112 Resp: 306268
 Ion Ratio Lower Upper
 112 100
 64 54.9 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: 24.289 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104514.D

Acq: 14 Apr 2018 9:19

Instrument :

BNA_F

ClientSampleId :

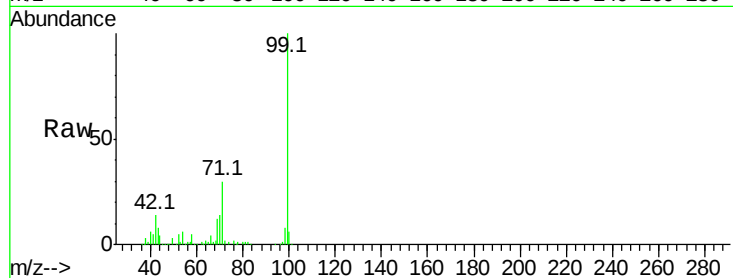
Tot Ion: 99 Resp: 231230

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7

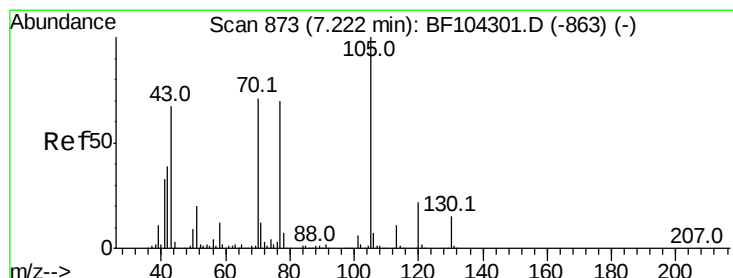
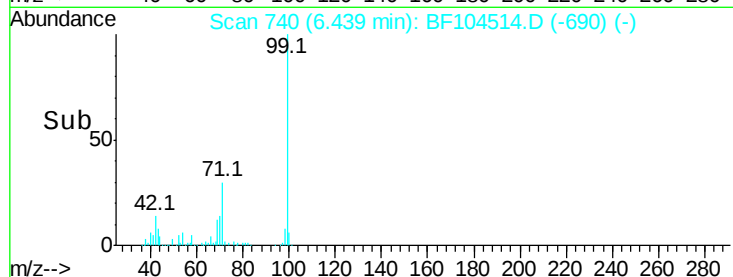
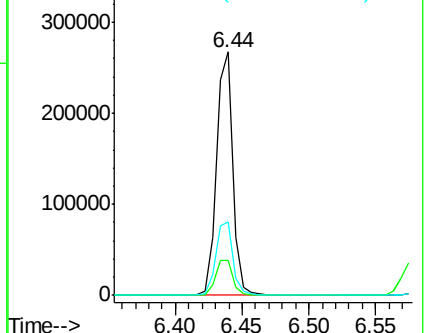
71 30.3 25.4 38.0



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: 14.591 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104514.D

Acq: 14 Apr 2018 9:19

Tgt Ion: 70 Resp: 90767

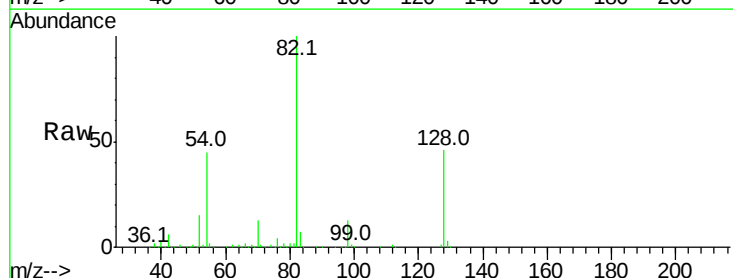
Ion Ratio Lower Upper

70 100

42 43.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

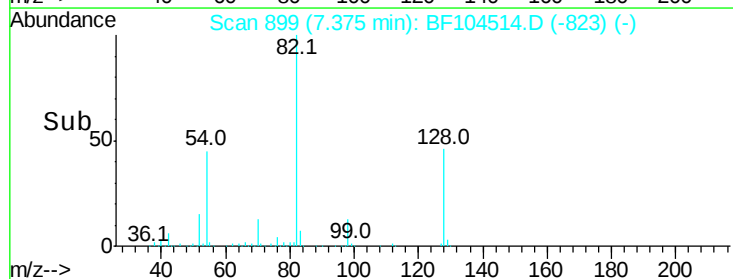
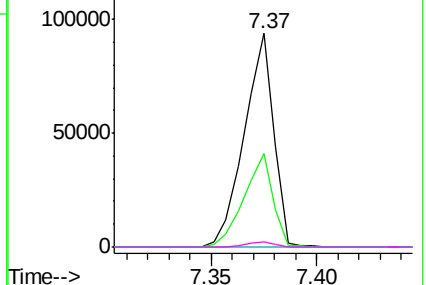


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

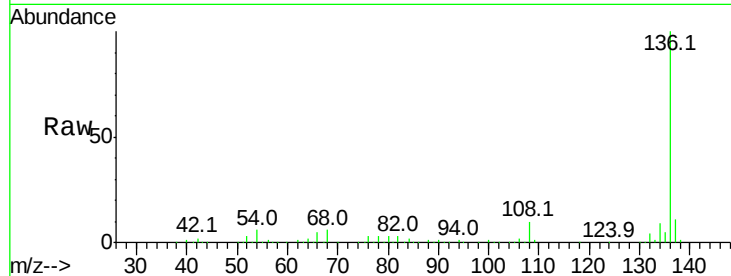




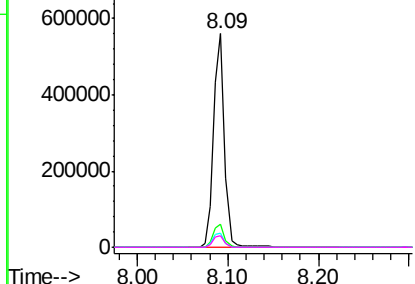
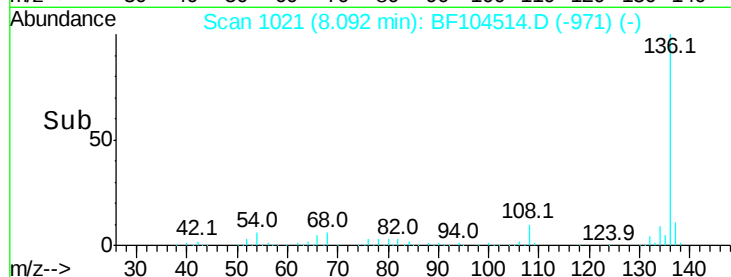
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104514.D
Acq: 14 Apr 2018 9:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	475957
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.5	6.6	9.8#
68	5.7	5.0	7.4

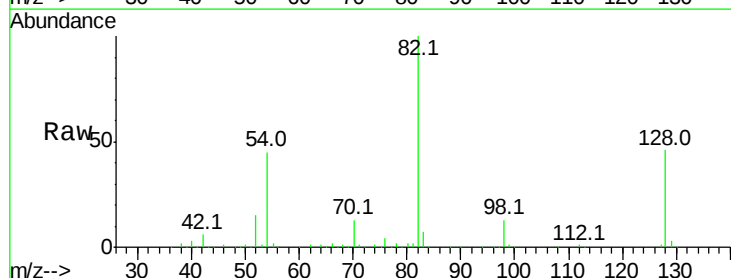


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

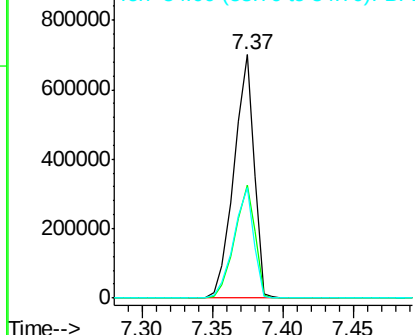
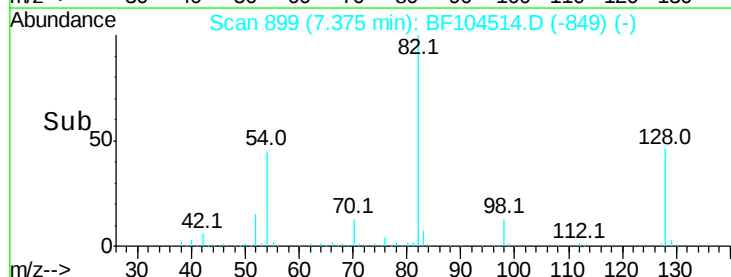


#23
Nitrobenzene-d5
Concen: 95.523 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104514.D
Acq: 14 Apr 2018 9:19

Tgt Ion:	82	Resp:	696269
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	45.4	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: 45.172 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104514.D

Acq: 14 Apr 2018 9:19

Instrument :

BNA_F

ClientSampled :

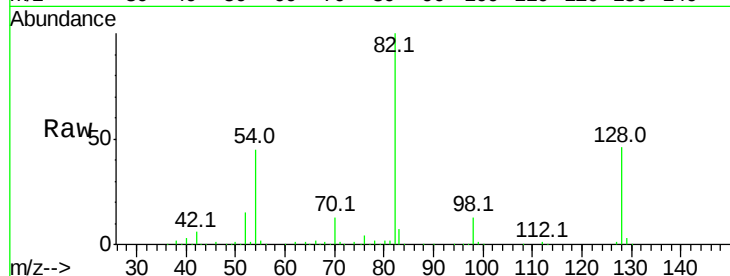
Tot Ion: 82 Resp: 696263

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

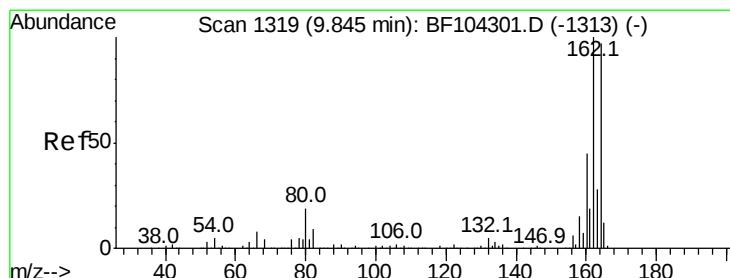
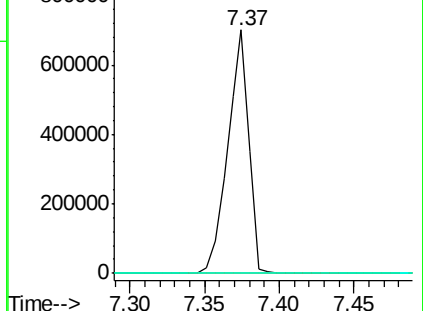
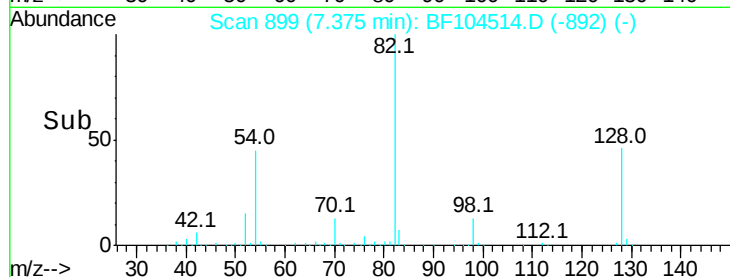
138 0.0 14.9 22.3#



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. -0.01 min

Lab File: BF104514.D

Acq: 14 Apr 2018 9:19

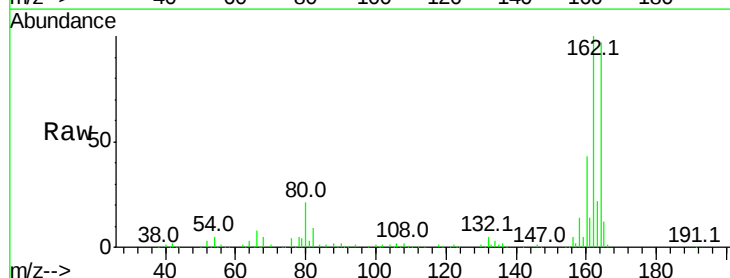
Tgt Ion:164 Resp: 200936

Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

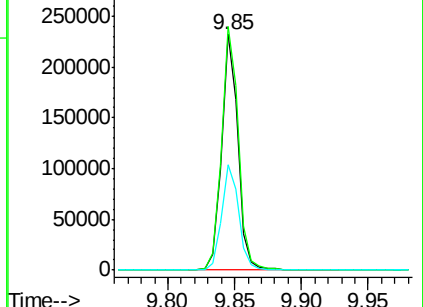
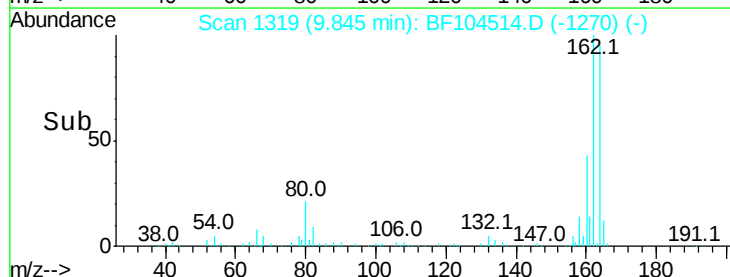
160 44.9 38.3 57.5



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

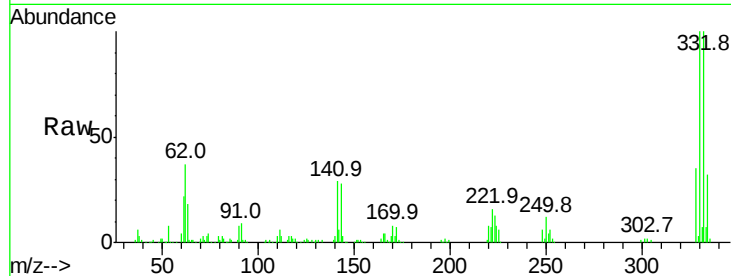




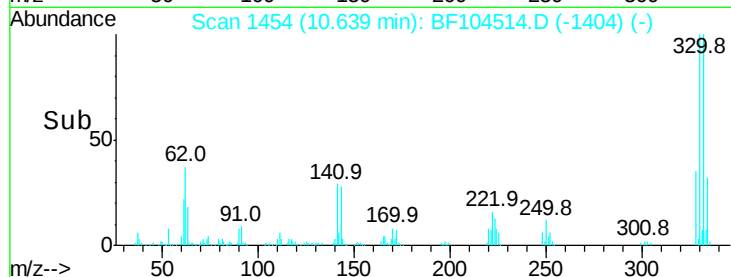
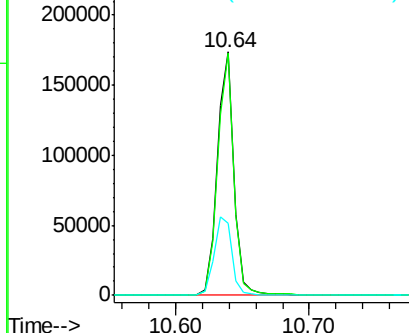
#41
 2,4,6-Tribromophenol
 Concen: 73.402 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104514.D
 Acq: 14 Apr 2018 9:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	34.9	29.9	44.9

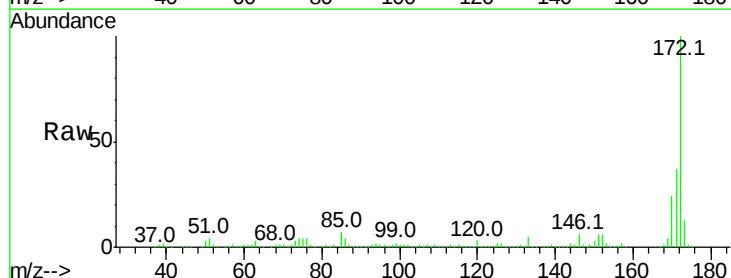


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

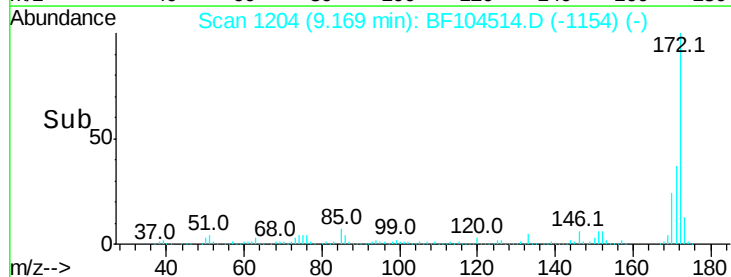
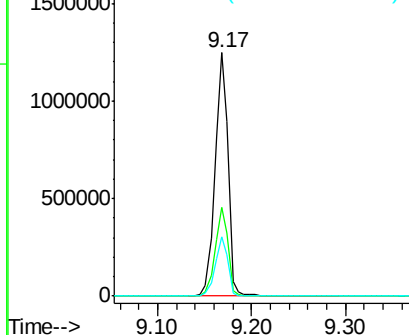


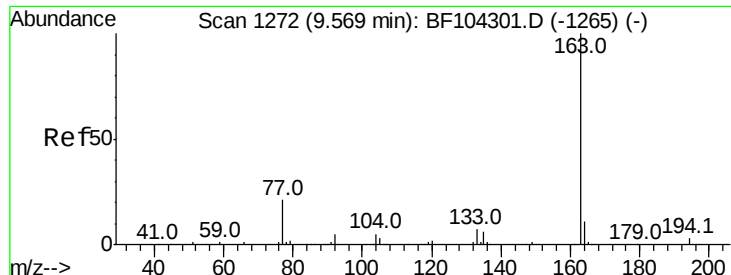
#44
 2-Fluorobiphenyl
 Concen: 96.344 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104514.D
 Acq: 14 Apr 2018 9:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.1	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





#49

Dimethylphthalate

Concen: 2.939 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF104514.D

Acq: 14 Apr 2018 9:19

Instrument :

BNA_F

ClientSampleId :

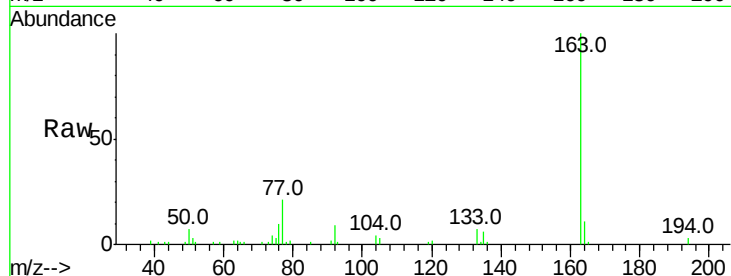
Tot Ion:163 Resp: 46565

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

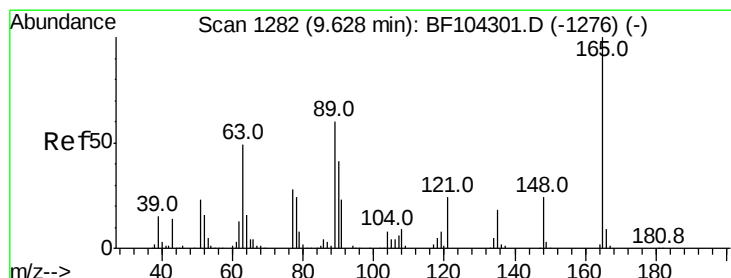
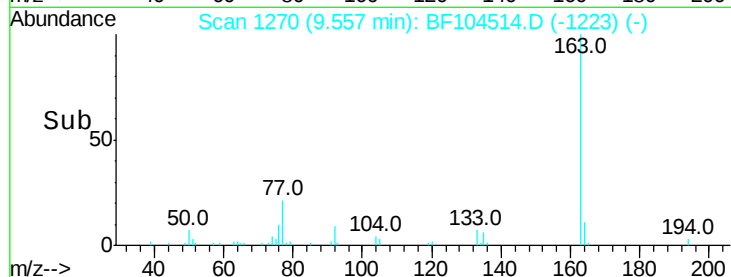
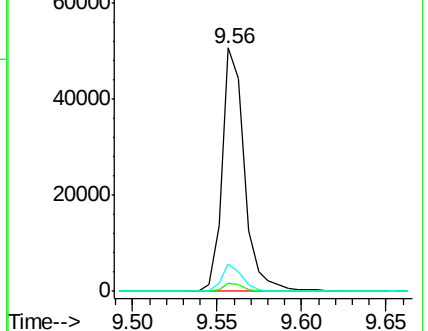
164 11.1 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.543 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF104514.D

Acq: 14 Apr 2018 9:19

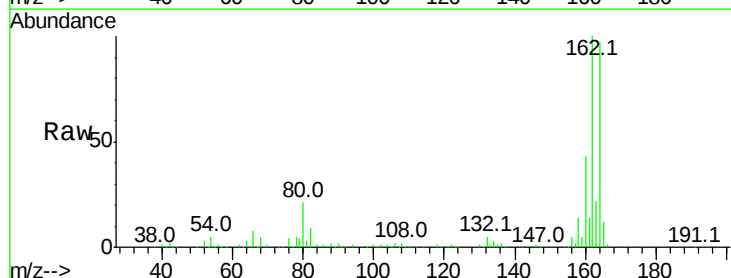
Tgt Ion:165 Resp: 25049

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

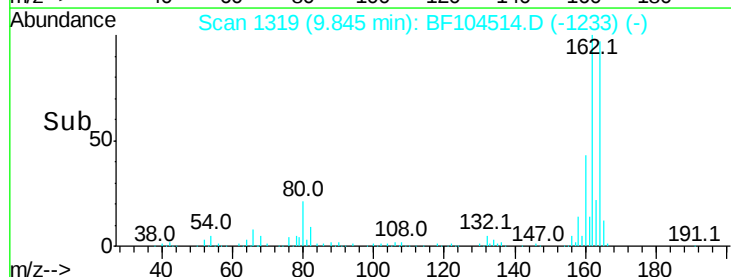
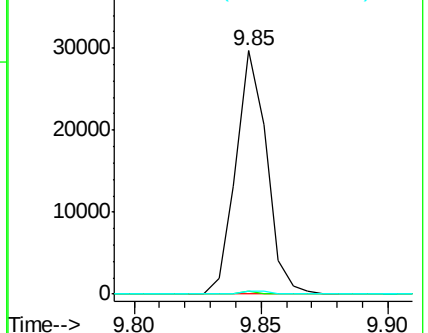
89 1.4 44.0 66.0#

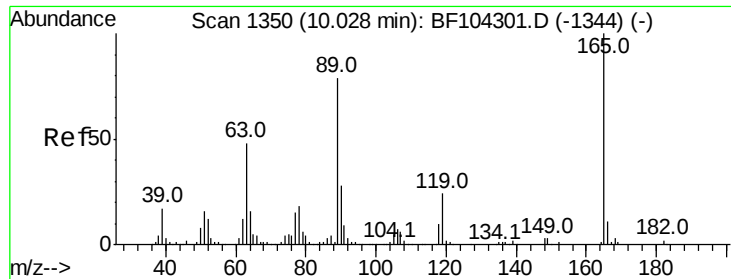


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

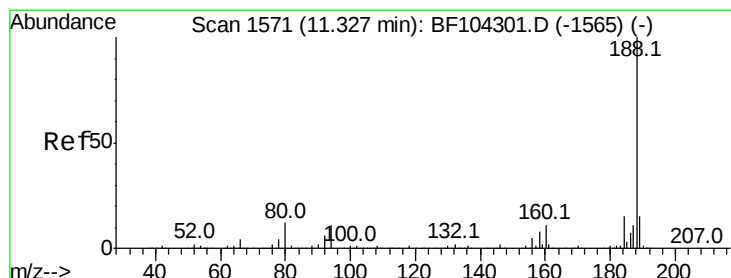
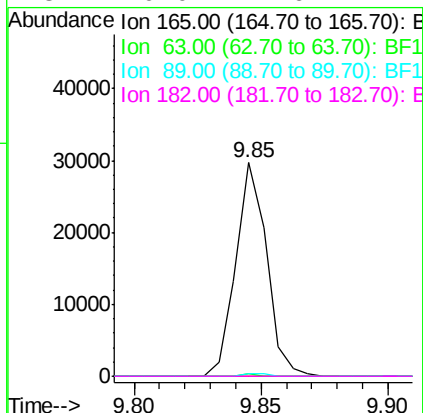
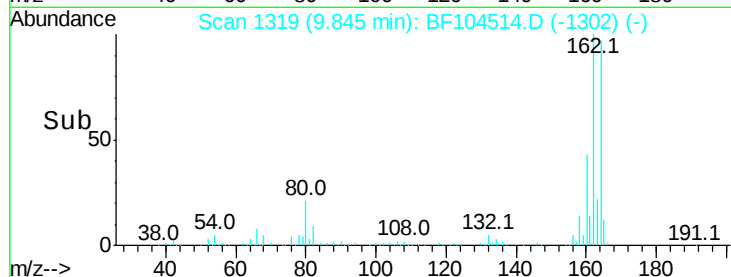
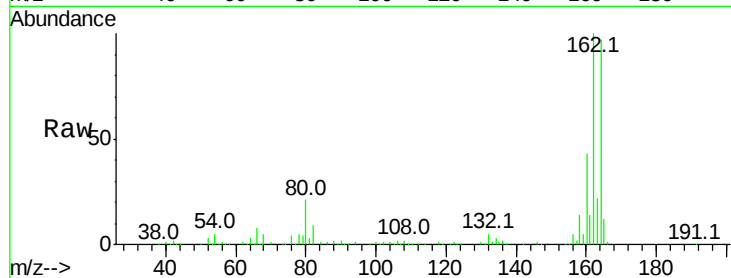




#56
 2,4-Dinitrotoluene
 Concen: 6.513 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104514.D
 Acq: 14 Apr 2018 9:19

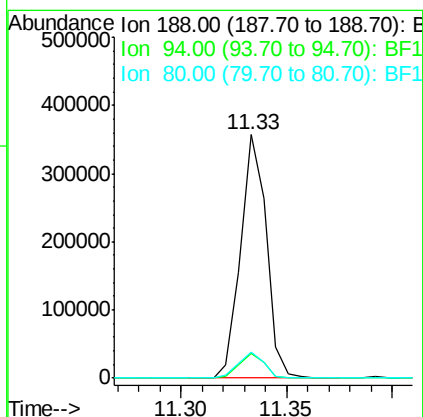
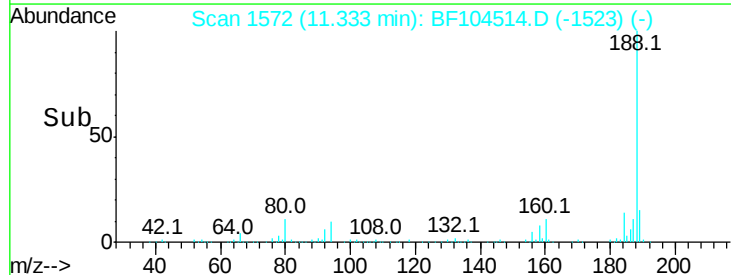
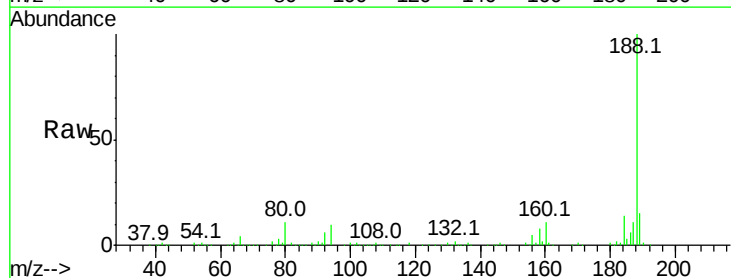
Instrument :
 BNA_F
 ClientSampleId :

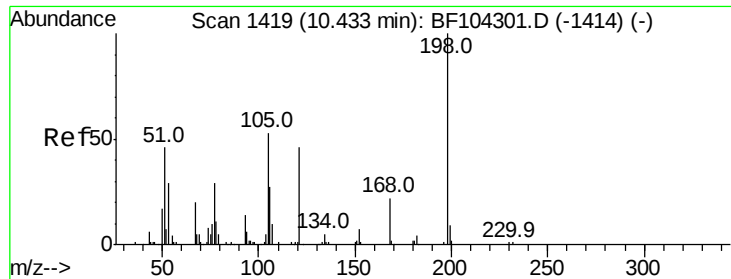
Tot Ion:	165	Resp:	25049
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF104514.D
 Acq: 14 Apr 2018 9:19

Tgt Ion:	188	Resp:	301505
Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.9	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.522 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF104514.D

Acq: 14 Apr 2018 9:19

Instrument :

BNA_F

ClientSampleId :

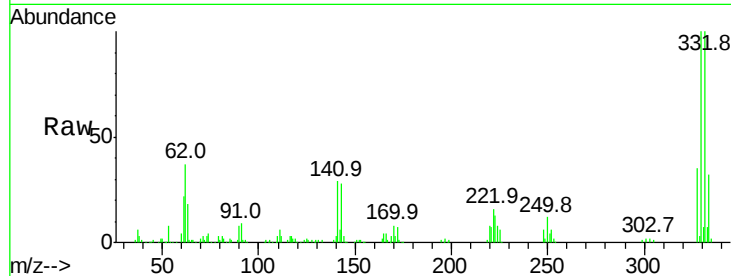
Tot Ion:198 Resp: 303

Ion Ratio Lower Upper

198 100

51 104.9 37.7 77.7#

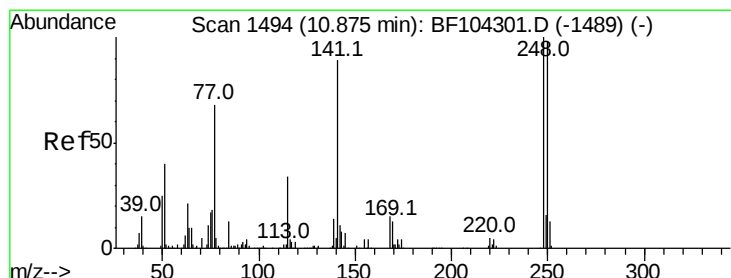
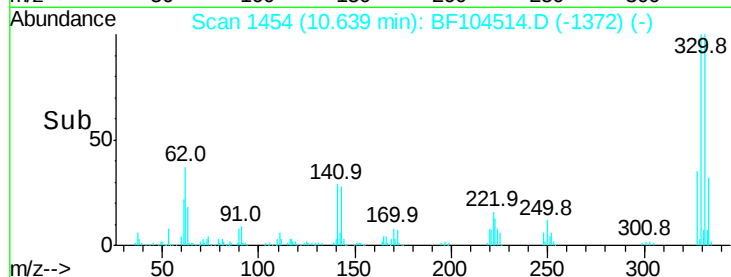
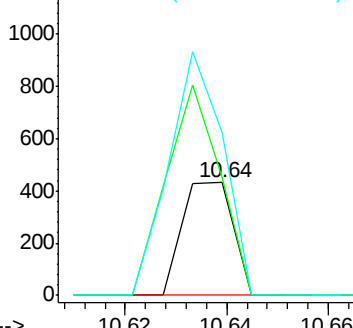
105 144.8 36.3 76.3#



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: 2.933 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.25 min

Lab File: BF104514.D

Acq: 14 Apr 2018 9:19

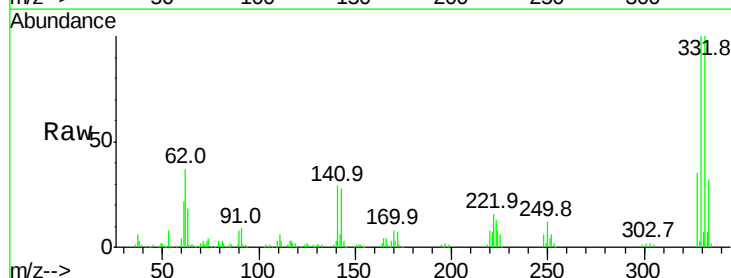
Tgt Ion:248 Resp: 9406

Ion Ratio Lower Upper

248 100

250 204.0 76.9 115.3#

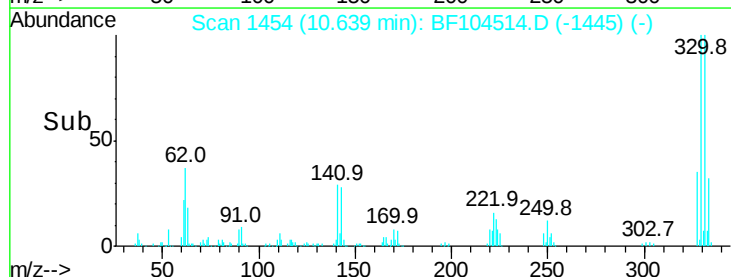
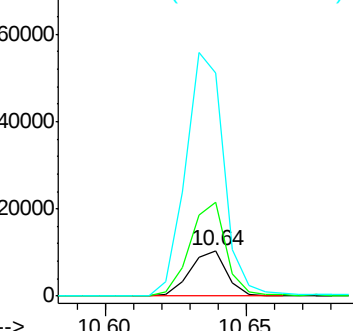
141 487.7 74.4 111.6#

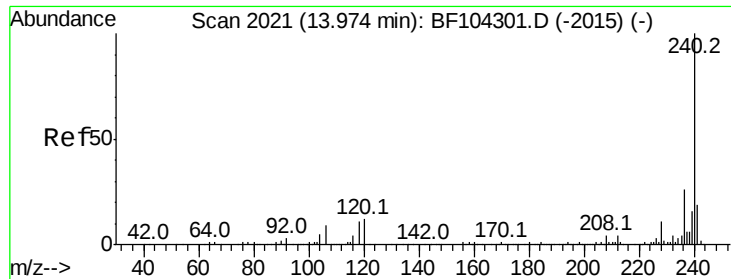


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104514.D

Acq: 14 Apr 2018 9:19

Instrument :

BNA_F

ClientSampleId :

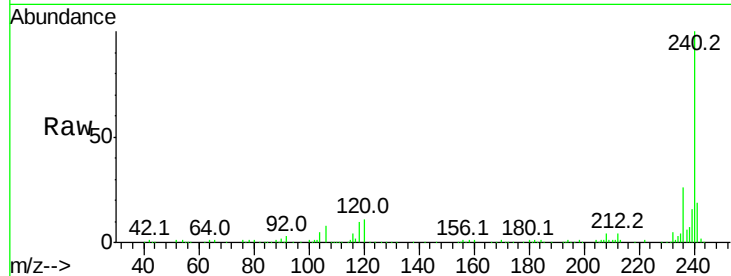
Tot Ion:240 Resp: 219831

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

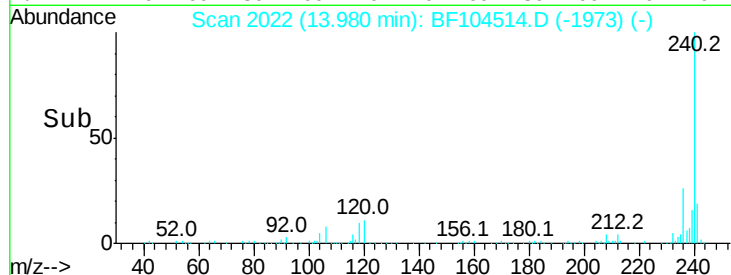
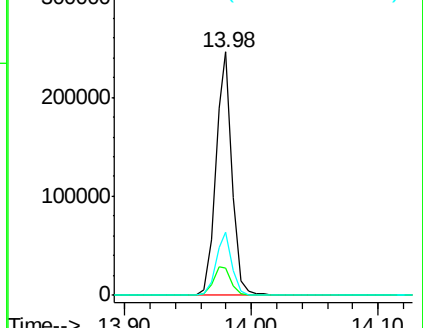
236 25.8 20.7 31.1



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: 91.780 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104514.D

Acq: 14 Apr 2018 9:19

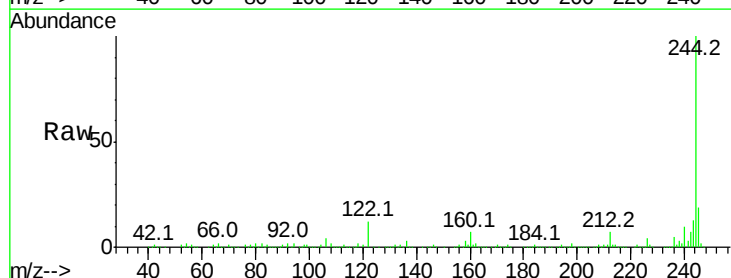
Tgt Ion:244 Resp: 884986

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

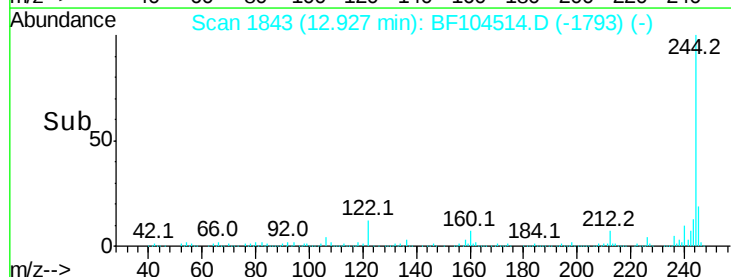
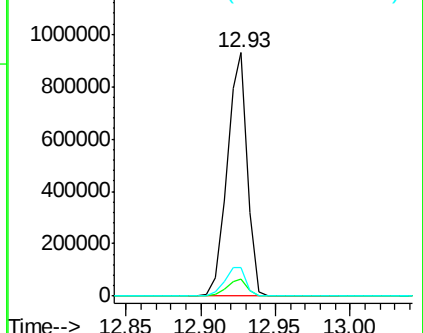
122 11.6 11.0 16.4

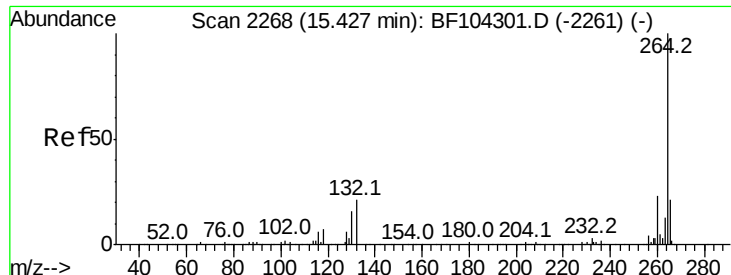


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

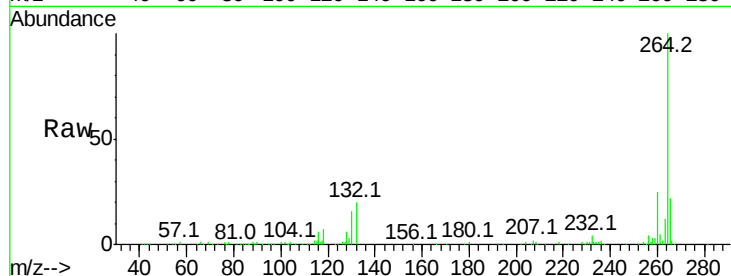




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF104514.D
Acq: 14 Apr 2018 9:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	21.5	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

