

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104516.D
 Acq On : 14 Apr 2018 10:12
 Operator : JU/SJ
 Sample : J2368-10
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 00:42:07 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

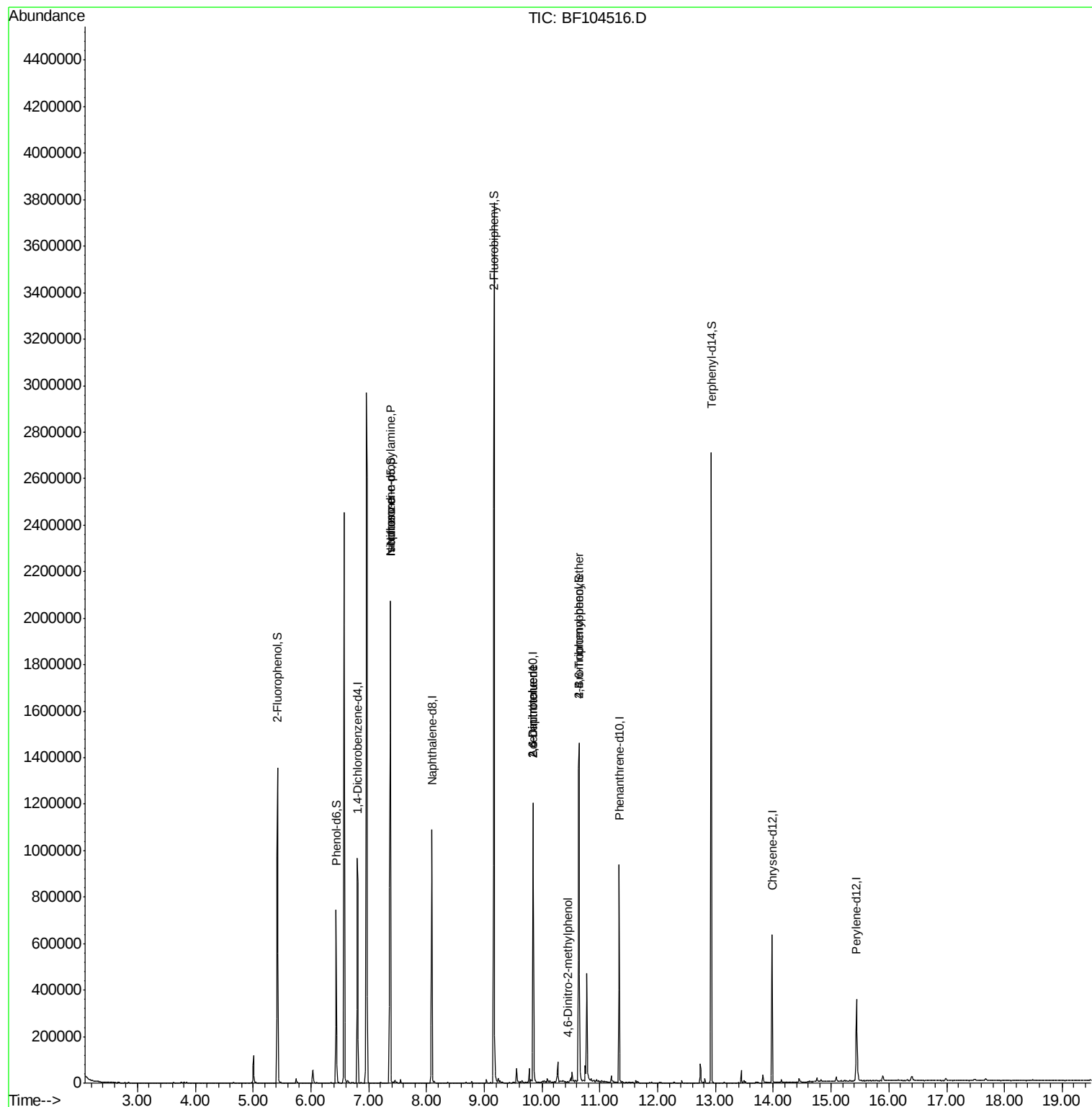
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	142882	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	480107	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	233384	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	312000	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	228475	20.00	ng	-0.01
86) Perylene-d12	15.44	264	172311	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	361120	38.65	ng	0.00
7) Phenol-d6	6.44	99	265714	23.14	ng	0.00
23) Nitrobenzene-d5	7.37	82	733616	99.78	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	187919	77.62	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1264876	85.62	ng	0.00
78) Terphenyl-d14	12.93	244	910815	90.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	96157	12.817	ng	# 73
25) Isophorone	7.37	82	733609	47.184	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	29830	8.759	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	29830	6.678	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.45	198	132	7.421	ng	# 23
66) 4-Bromophenyl-phenylether	10.64	248	11252	3.391	ng	# 1
76) Benzidine	12.93	184	11599	Below Cal		97

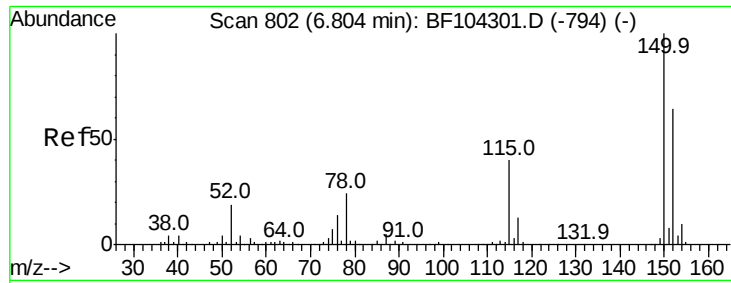
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
Data File : BF104516.D
Acq On : 14 Apr 2018 10:12
Operator : JU/SJ
Sample : J2368-10
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 16 00:42:07 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



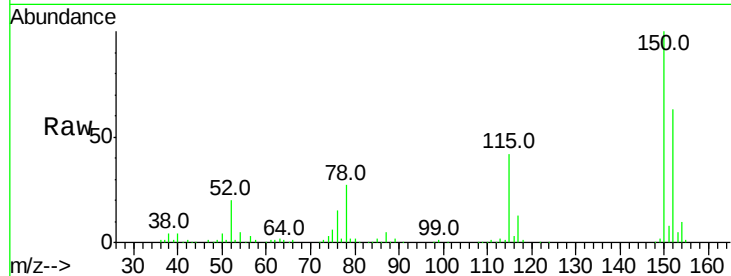


#1

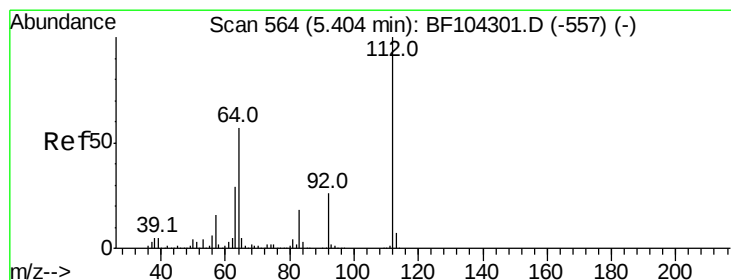
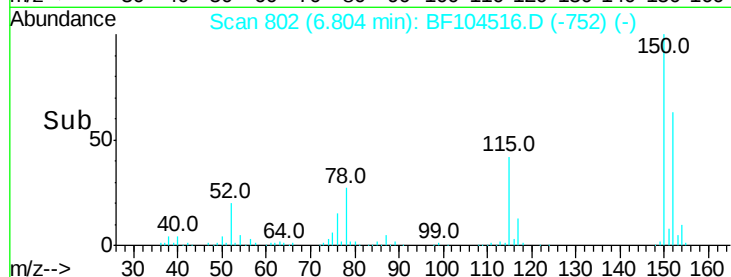
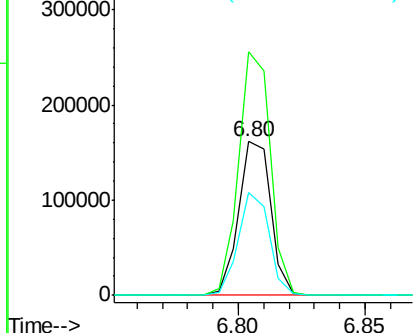
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104516.D
Acq: 14 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142882
Ion Ratio Lower Upper
152 100
150 158.5 124.6 186.8
115 66.7 50.1 75.1



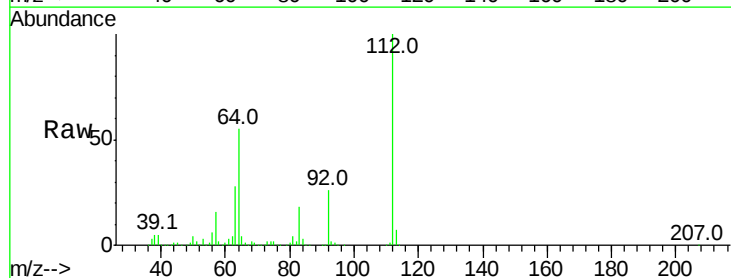
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



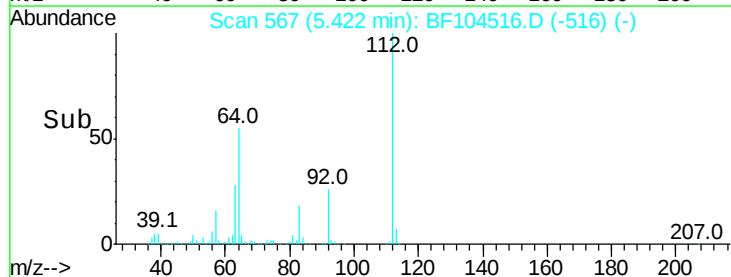
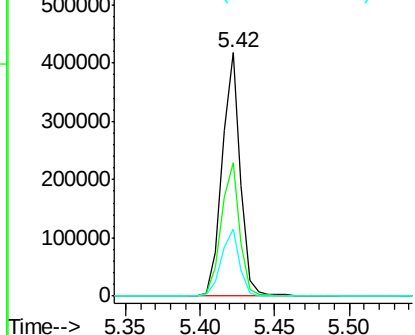
#5

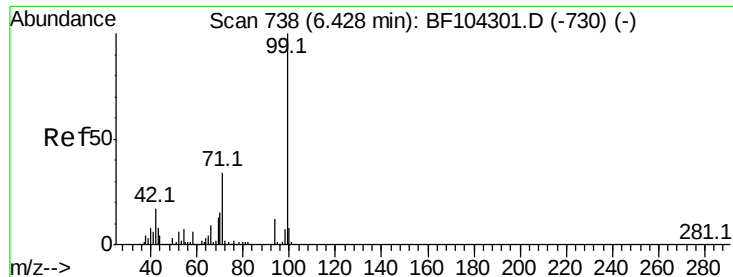
2-Fluorophenol
Concen: 38.645 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF104516.D
Acq: 14 Apr 2018 10:12

Tgt Ion:112 Resp: 361120
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: 23.143 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104516.D

Acq: 14 Apr 2018 10:12

Instrument :

BNA_F

ClientSampleId :

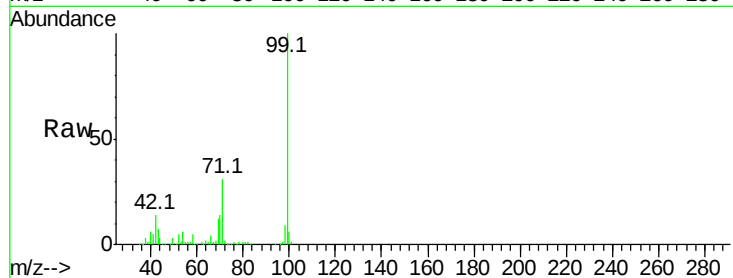
Tot Ion: 99 Resp: 265714

Ion Ratio Lower Upper

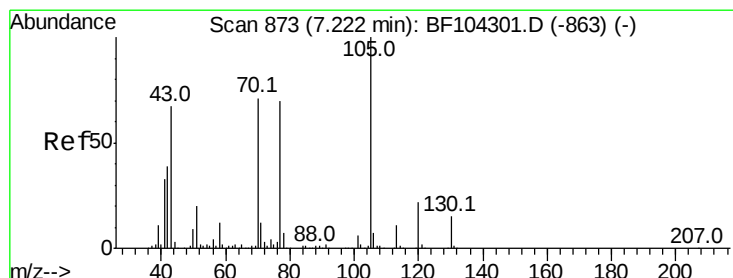
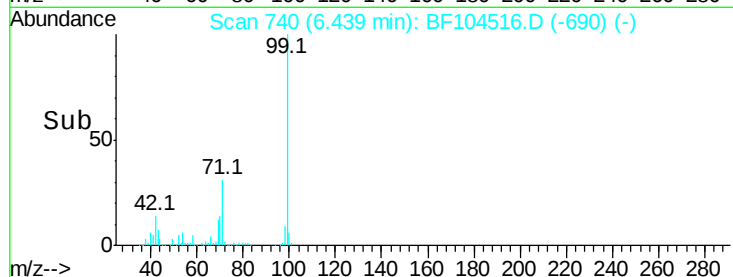
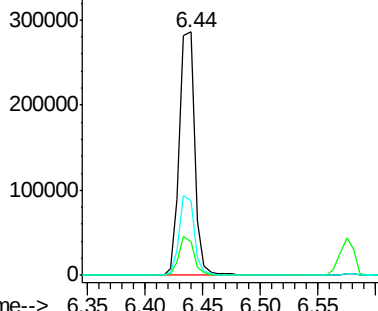
99 100

42 13.8 14.5 21.7#

71 30.6 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: 12.817 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104516.D

Acq: 14 Apr 2018 10:12

Tgt Ion: 70 Resp: 96157

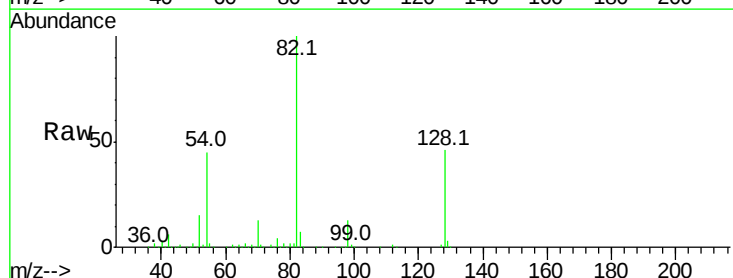
Ion Ratio Lower Upper

70 100

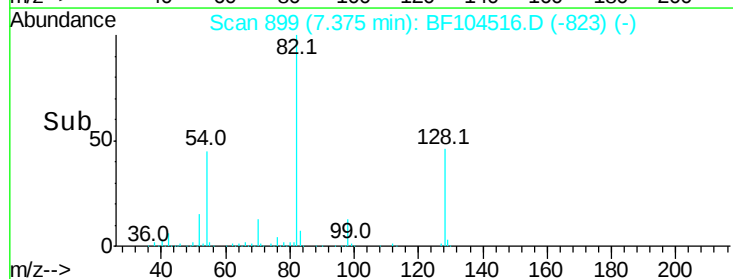
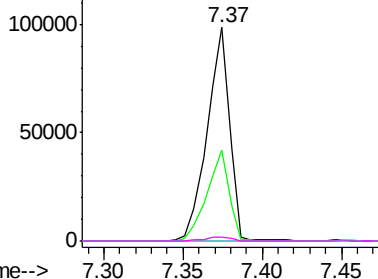
42 42.7 47.5 71.3#

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104516.D

Acq: 14 Apr 2018 10:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 480107

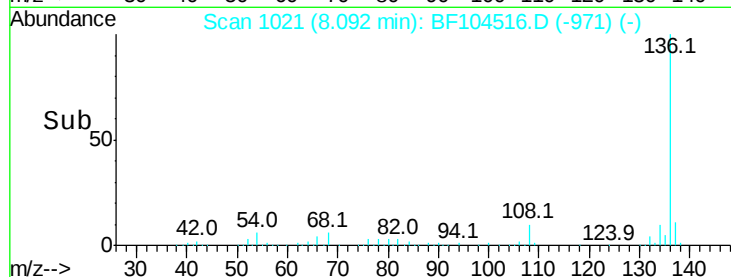
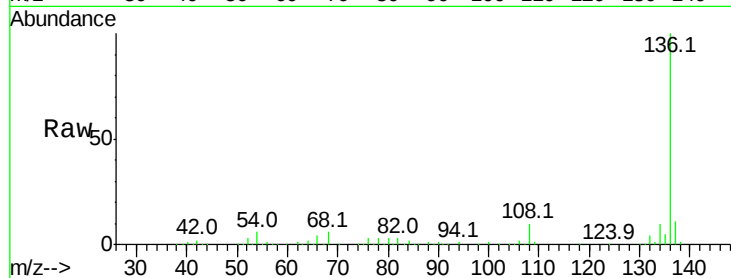
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.3 6.6 9.8#

68 5.5 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

8.09

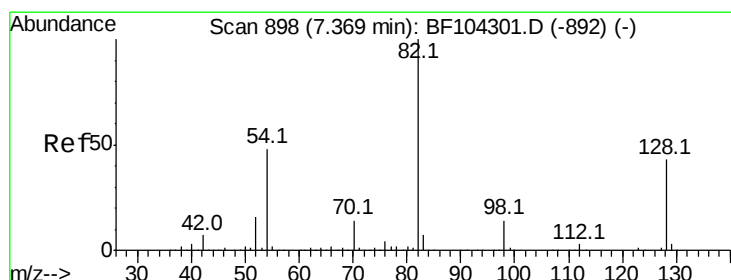
600000

400000

200000

0

Time--> 8.00 8.10 8.20



#23

Nitrobenzene-d5

Concen: 99.777 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104516.D

Acq: 14 Apr 2018 10:12

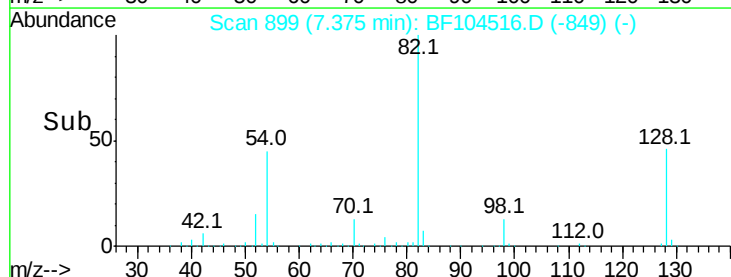
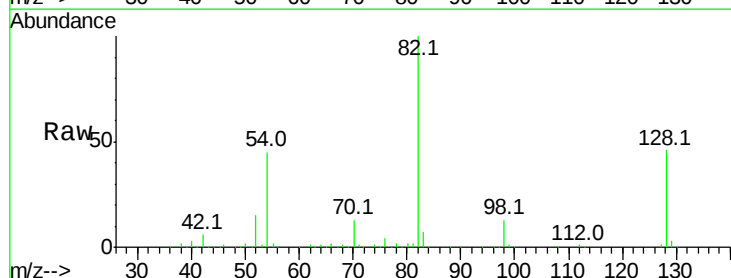
Tgt Ion: 82 Resp: 733616

Ion Ratio Lower Upper

82 100

128 45.7 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

7.37

1000000

800000

600000

400000

200000

0

Time--> 7.30 7.35 7.40 7.45



#25

Isophorone

Concen: 47.184 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104516.D

Acq: 14 Apr 2018 10:12

Instrument :

BNA_F

ClientSampleId :

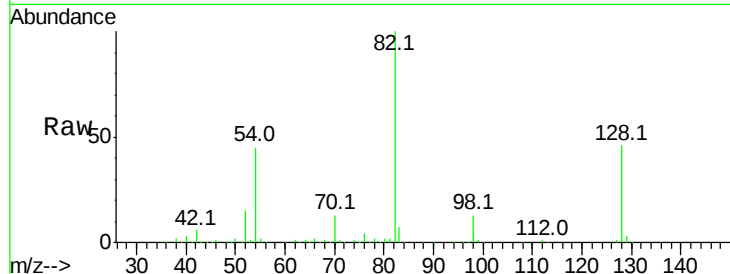
Tot Ion: 82 Resp: 733609

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

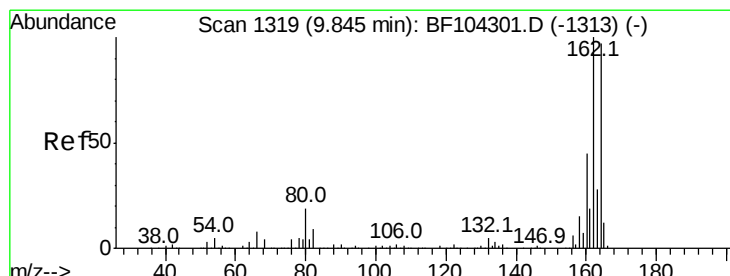
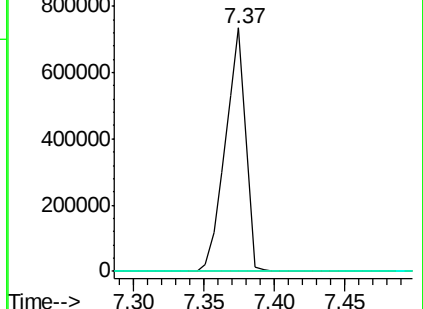
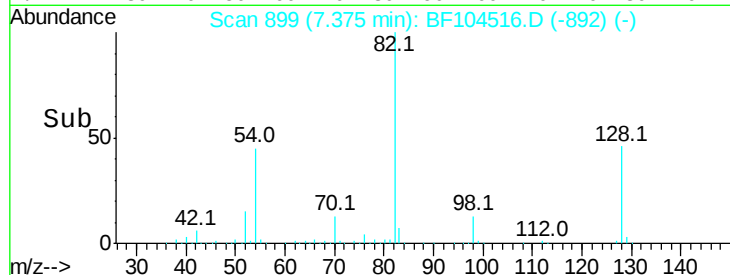
138 0.0 14.9 22.3#



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: BF104516.D

Acq: 14 Apr 2018 10:12

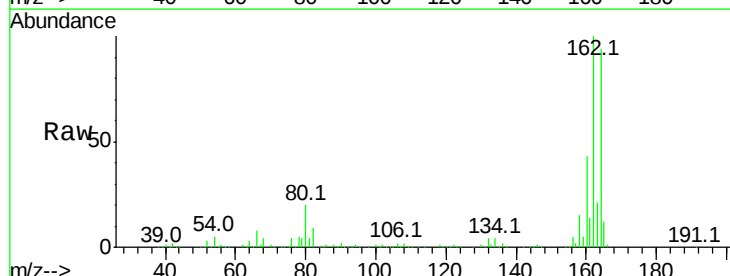
Tgt Ion:164 Resp: 233384

Ion Ratio Lower Upper

164 100

162 106.5 86.1 129.1

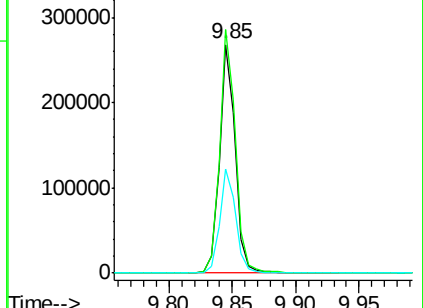
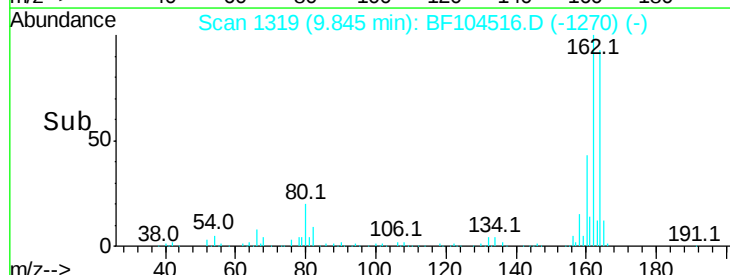
160 45.7 38.3 57.5



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

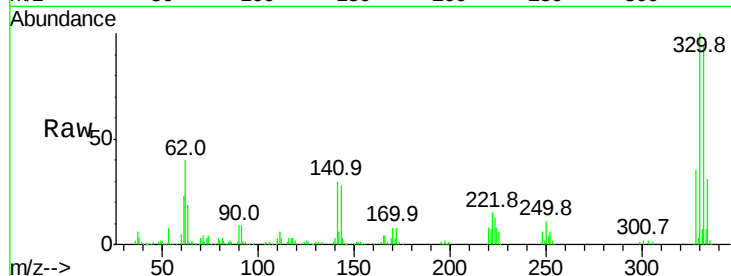




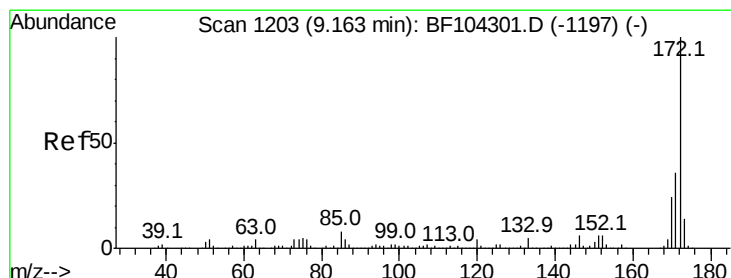
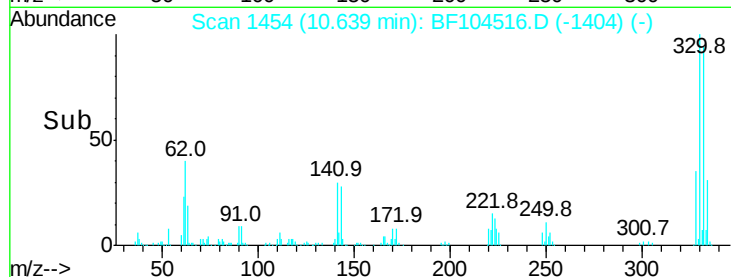
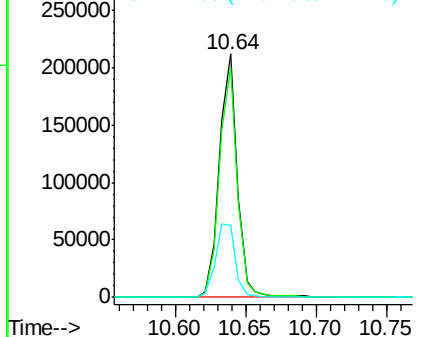
#41
 2,4,6-Tribromophenol
 Concen: 77.622 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104516.D
 Acq: 14 Apr 2018 10:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	33.8	29.9	44.9

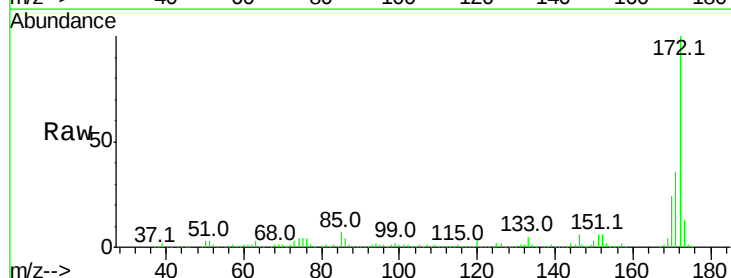


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

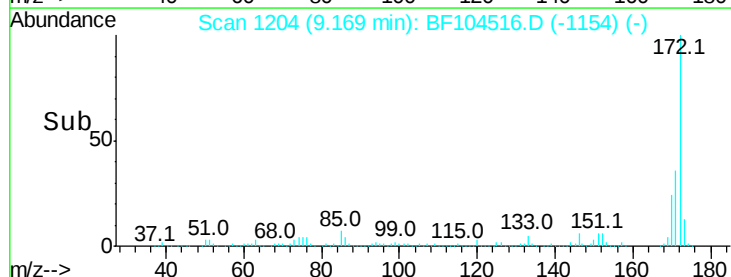
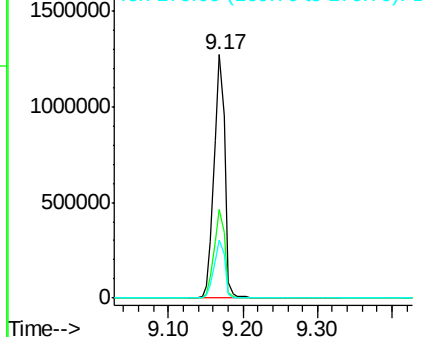


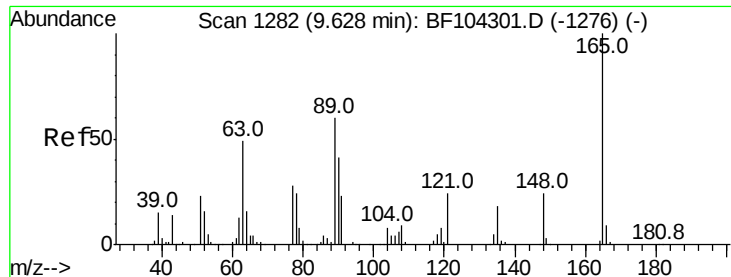
#44
 2-Fluorobiphenyl
 Concen: 85.618 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104516.D
 Acq: 14 Apr 2018 10:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.0	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





#50

2,6-Dinitrotoluene

Concen: 8.759 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF104516.D

Acq: 14 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

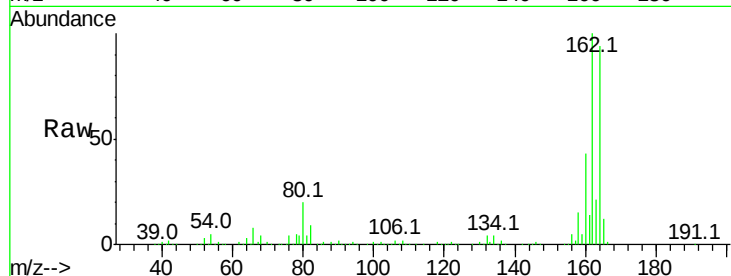
Tot Ion:165 Resp: 29830

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

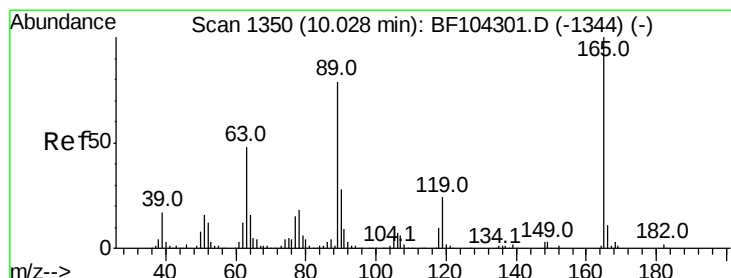
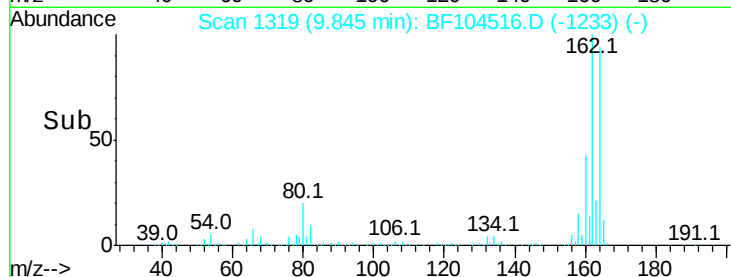
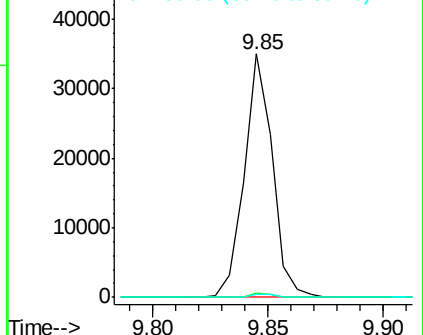
89 1.3 44.0 66.0#



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: 6.678 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

Lab File: BF104516.D

Acq: 14 Apr 2018 10:12

Tgt Ion:165 Resp: 29830

Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.3 57.8 86.6#

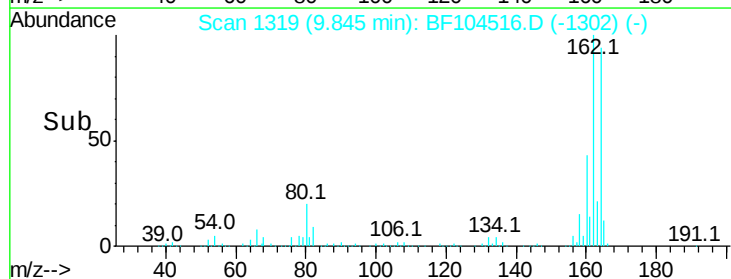
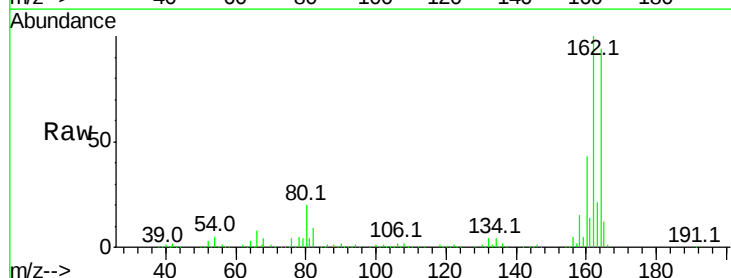
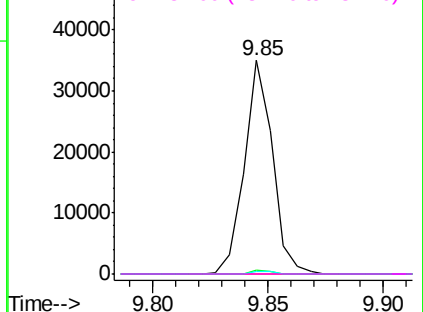
182 0.0 1.6 2.4#

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. -0.01 min

Lab File: BF104516.D

Acq: 14 Apr 2018 10:12

Instrument :

BNA_F

ClientSampleId :

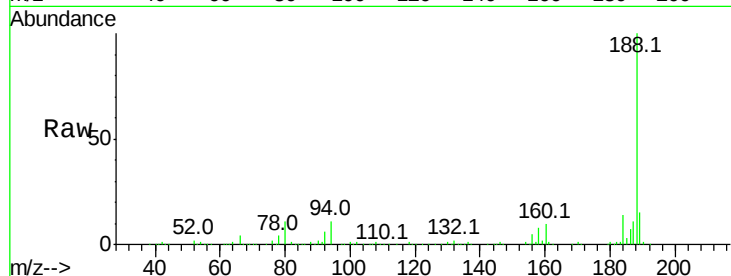
Tot Ion:188 Resp: 312000

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

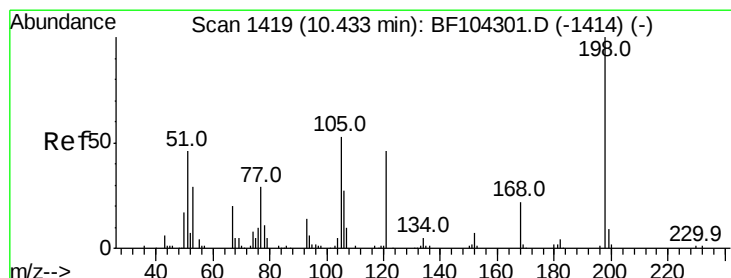
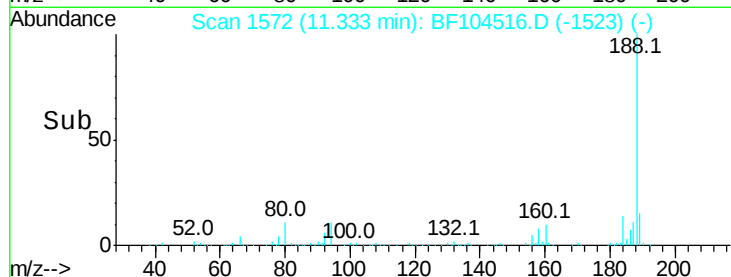
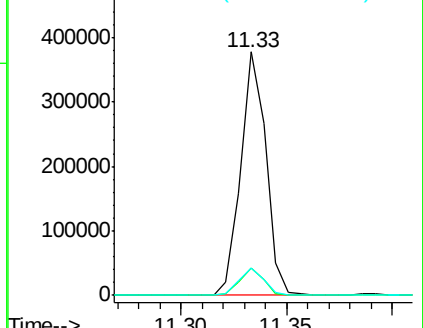
80 11.1 9.2 13.8



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: 7.421 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.01 min

Lab File: BF104516.D

Acq: 14 Apr 2018 10:12

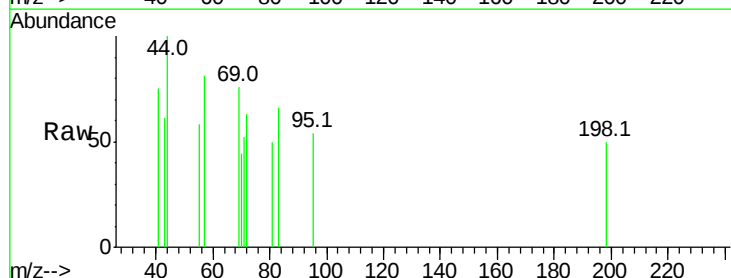
Tgt Ion:198 Resp: 132

Ion Ratio Lower Upper

198 100

51 0.0 37.7 77.7#

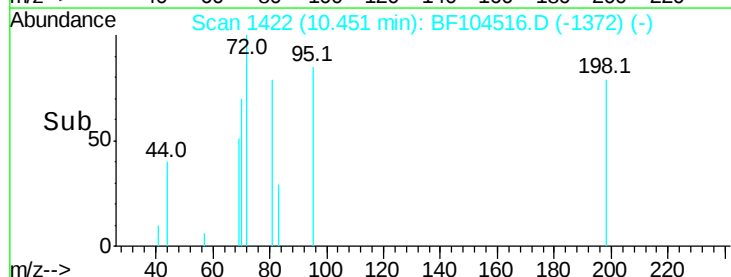
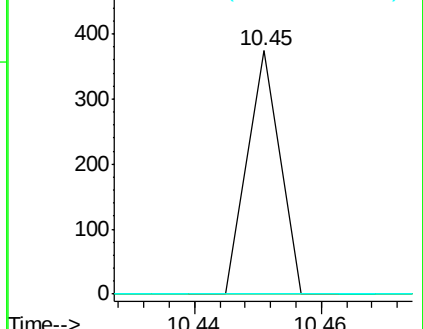
105 0.0 36.3 76.3#

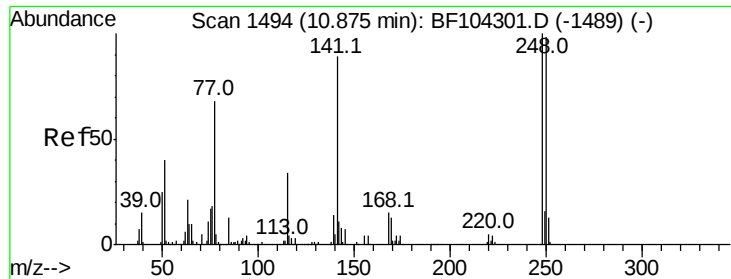


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

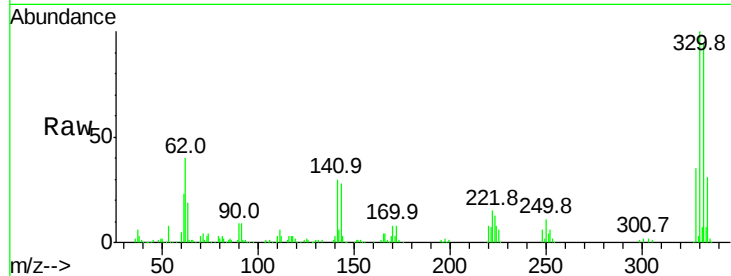




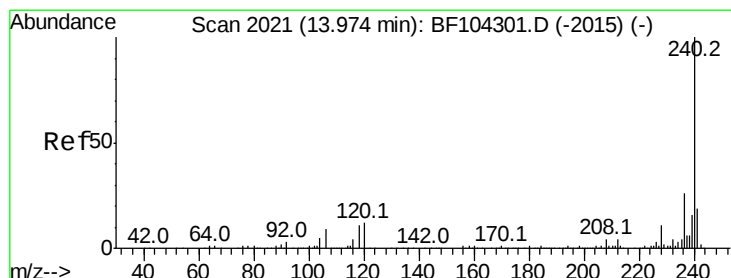
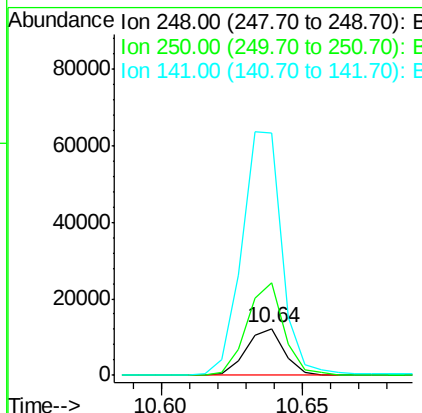
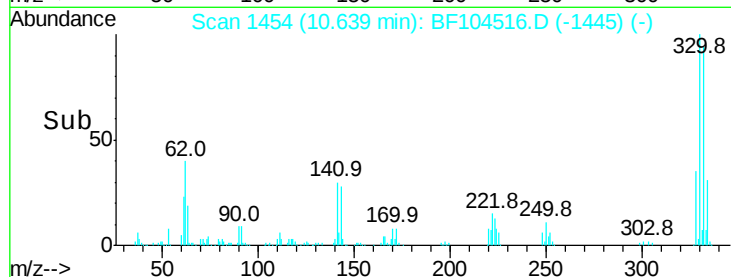
#66
 4-Bromophenyl-phenylether
 Concen: 3.391 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104516.D
 Acq: 14 Apr 2018 10:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11252
 Ion Ratio Lower Upper
 248 100
 250 199.0 76.9 115.3#
 141 520.4 74.4 111.6#

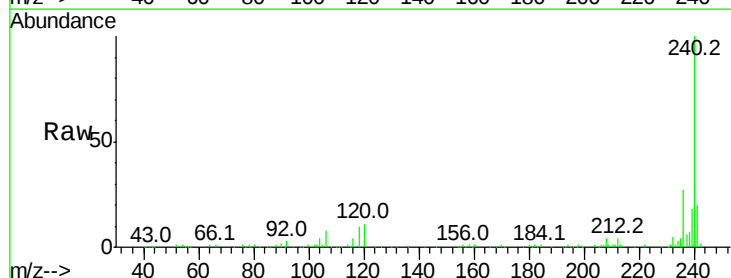


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

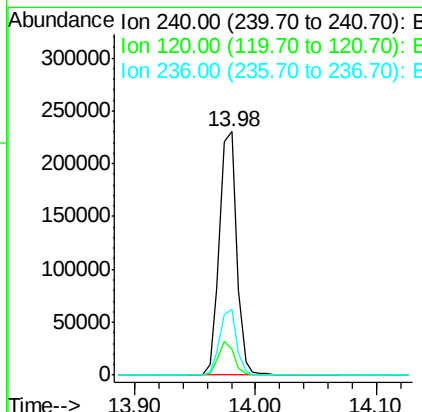
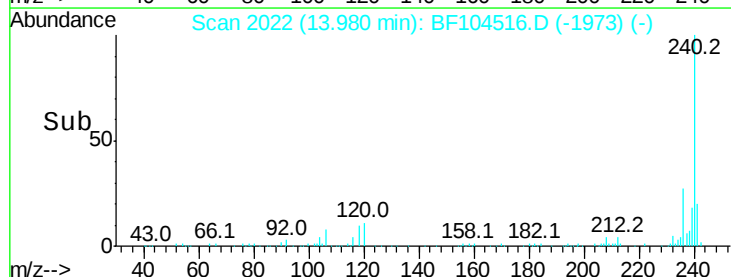


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF104516.D
 Acq: 14 Apr 2018 10:12

Tgt Ion:240 Resp: 228475
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.5 14.3
 236 26.7 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

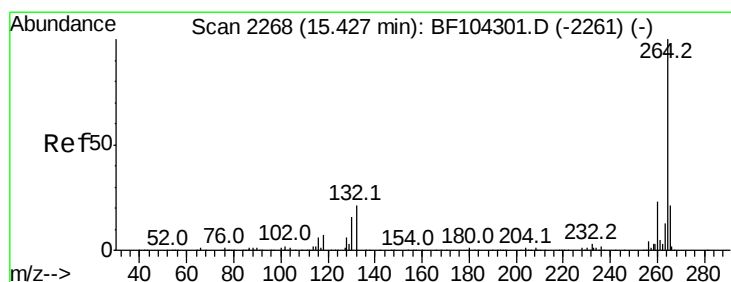
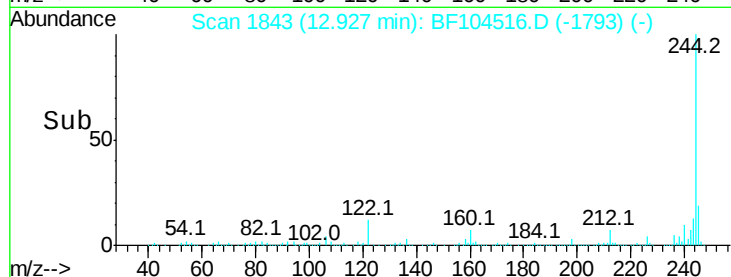
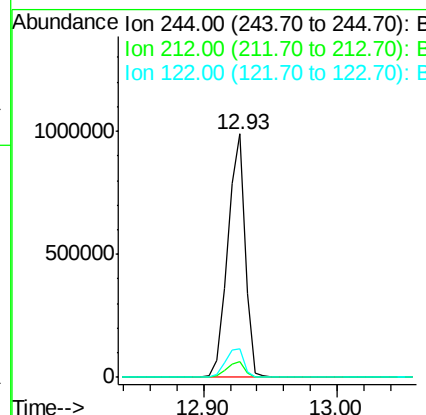
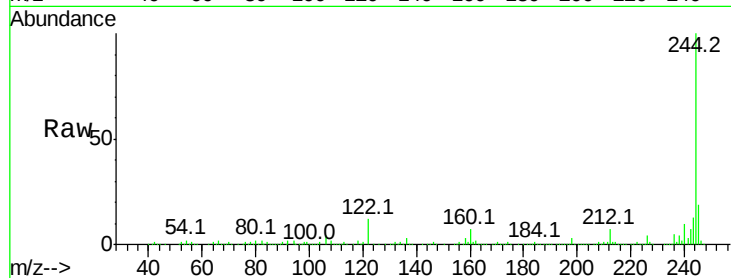




#78
 Terphenyl-d14
 Concen: 90.885 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF104516.D
 Acq: 14 Apr 2018 10:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 910815
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF104516.D
 Acq: 14 Apr 2018 10:12

Tgt Ion:264 Resp: 172311
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 20.5 17.5 26.3

