

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
 Data File : BF104428.D
 Acq On : 11 Apr 2018 10:25
 Operator : JU/SJ
 Sample : J2301-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-L-6(0-5)

Quant Time: Apr 11 11:54:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

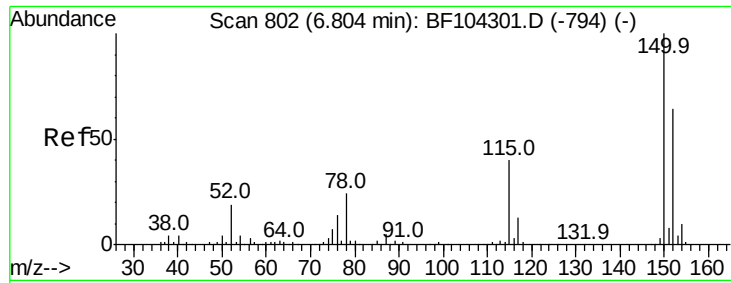
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	148566	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	636234	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	297321	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	517247	20.00	ng	0.00
75) Chrysene-d12	13.98	240	376233	20.00	ng	0.00
86) Perylene-d12	15.44	264	293456	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	963492	99.16	ng	0.01
7) Phenol-d6	6.44	99	1202421	100.72	ng	0.00
23) Nitrobenzene-d5	7.37	82	768334	78.86	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	317887	103.07	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1245867	66.20	ng	0.00
78) Terphenyl-d14	12.93	244	1114841	67.56	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1791	Below Cal		# 1
10) Phenol	6.45	94	25819	2.038	ng	# 41
19) n-Nitroso-di-n-propylamine	7.37	70	101375	12.995	ng	# 73
25) Isophorone	7.37	82	768180	37.283	ng	# 64
49) Dimethylphthalate	9.56	163	135082	5.761	ng	# 99
56) 2,4-Dinitrotoluene	9.85	165	37997	6.677	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	685	7.577	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	18736	3.405	ng	# 1
76) Benzidine	12.93	184	14752	Below Cal		# 98

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

```
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Data File : BF104428.D  
Acq On    : 11 Apr 2018  10:25  
Operator  : JU/SJ  
Sample    : J2301-01  
Misc      :  
ALS Vial  : 5      Sample Multiplier: 1
```

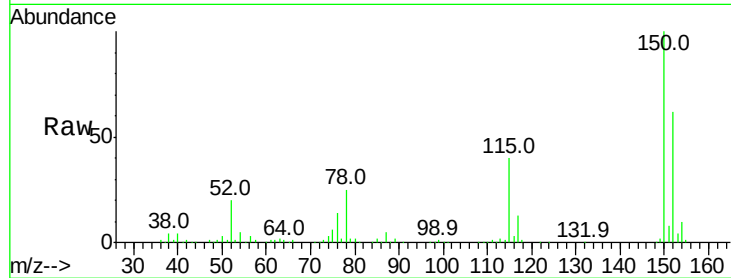


#1

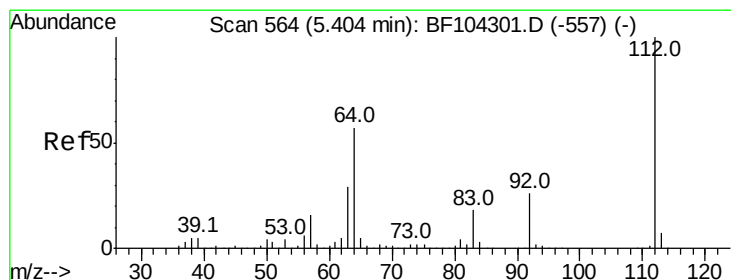
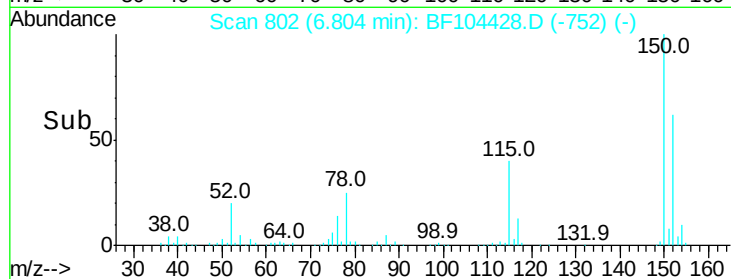
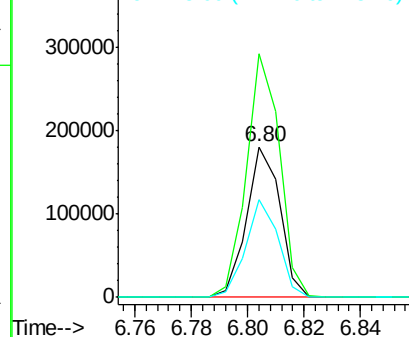
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104428.D
Acq: 11 Apr 2018 10:25

Instrument :
BNA_F
ClientSampleId :
EPE-L-6(0-5)

Tot Ion:152 Resp: 148566
Ion Ratio Lower Upper
152 100
150 162.0 124.6 186.8
115 65.1 50.1 75.1



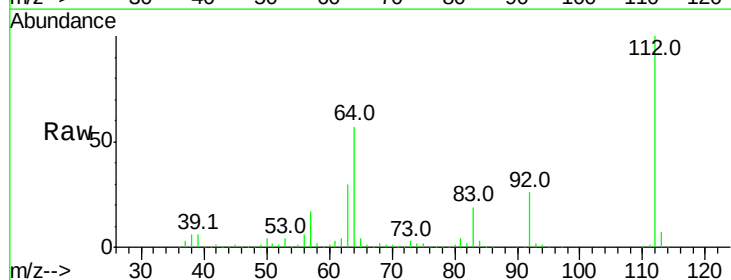
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



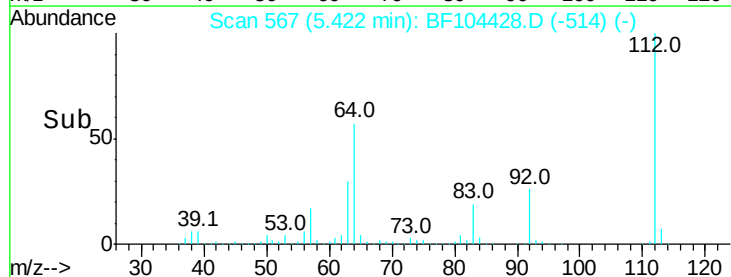
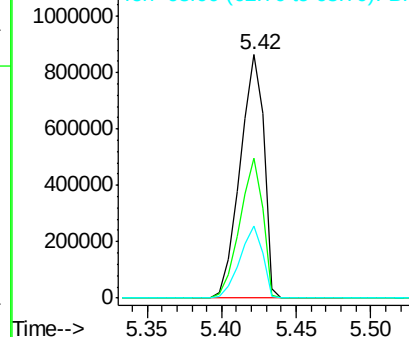
#5

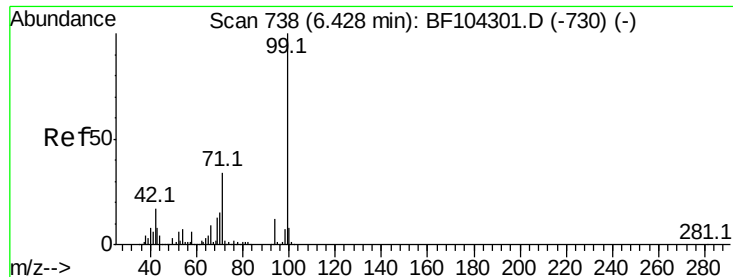
2-Fluorophenol
Concen: 99.164 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104428.D
Acq: 11 Apr 2018 10:25

Tgt Ion:112 Resp: 963492
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 29.6 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: 100.722 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104428.D

Acq: 11 Apr 2018 10:25

Instrument :

BNA_F

ClientSampleId :

EPE-L-6(0-5)

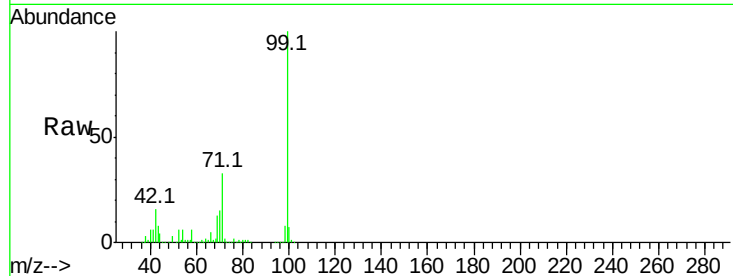
Tot Ion: 99 Resp: 1202421

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

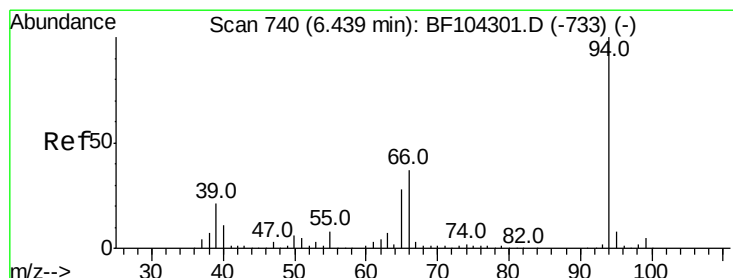
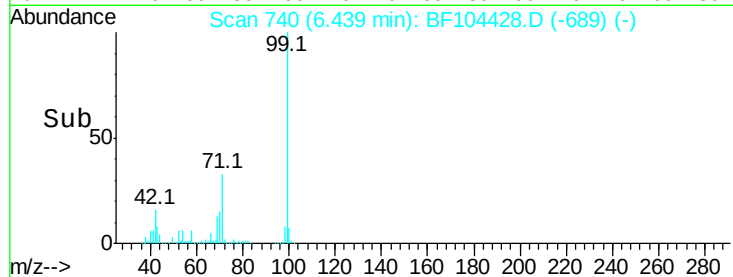
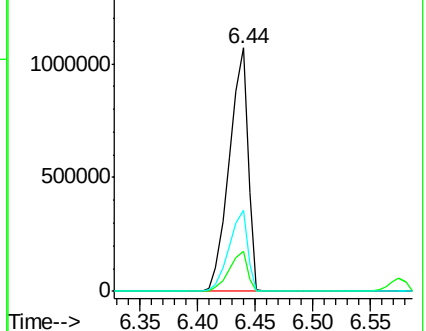
71 33.3 25.4 38.0



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



#10

Phenol

Concen: 2.038 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF104428.D

Acq: 11 Apr 2018 10:25

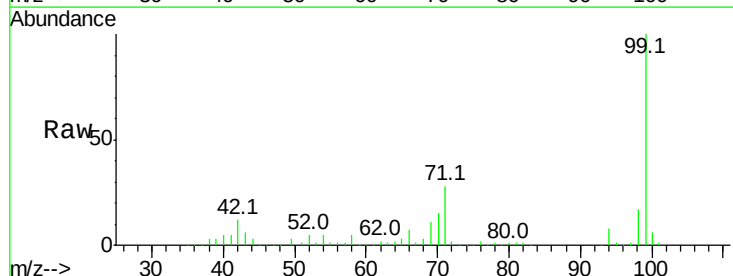
Tgt Ion: 94 Resp: 25819

Ion Ratio Lower Upper

94 100

65 37.5 7.9 47.9

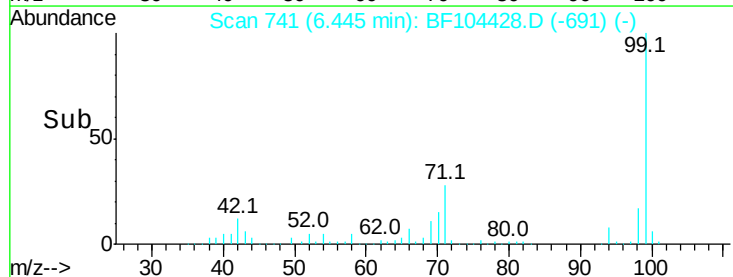
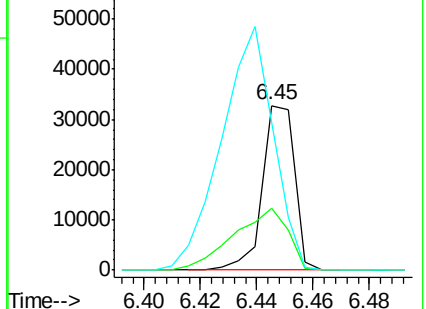
66 89.5 16.2 56.2#

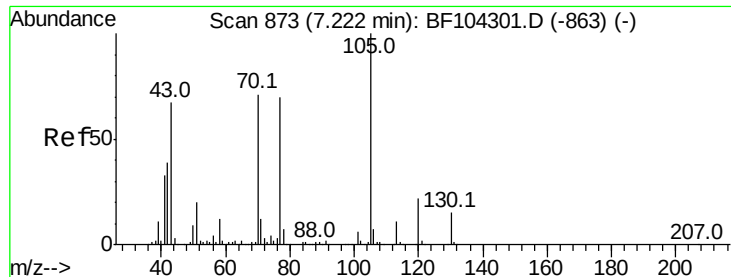


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 12.995 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104428.D

Acq: 11 Apr 2018 10:25

Instrument :

BNA_F

ClientSampleId :

EPE-L-6(0-5)

Tot Ion: 70 Resp: 101375

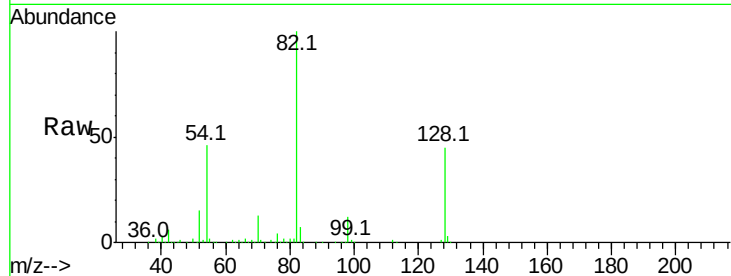
Ion Ratio Lower Upper

70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

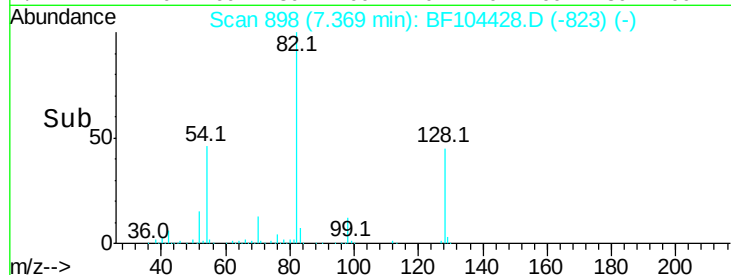


Abundance Ion 70.00 (69.70 to 70.70): BF1

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



Time-->

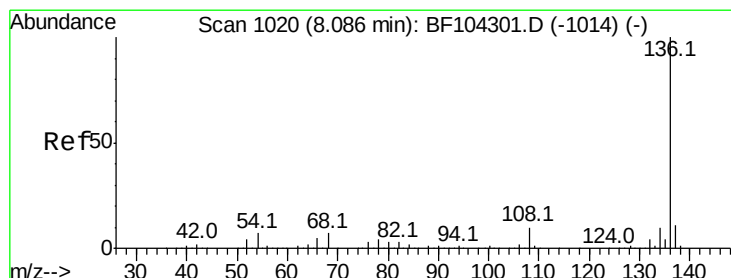
7.37

100000

50000

0

7.35 7.40



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104428.D

Acq: 11 Apr 2018 10:25

Tgt Ion:136 Resp: 636234

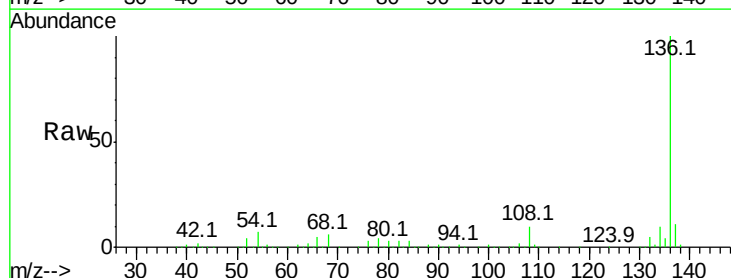
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.4 6.6 9.8

68 6.4 5.0 7.4

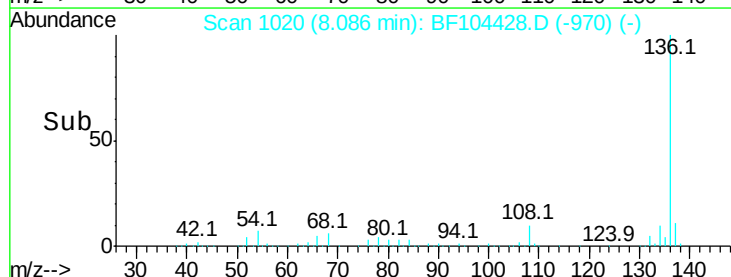


Abundance Ion 136.00 (135.70 to 136.70): BF1

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



Time-->

8.09

1000000

800000

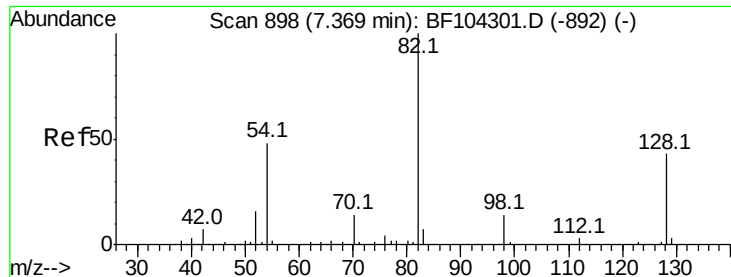
600000

400000

200000

0

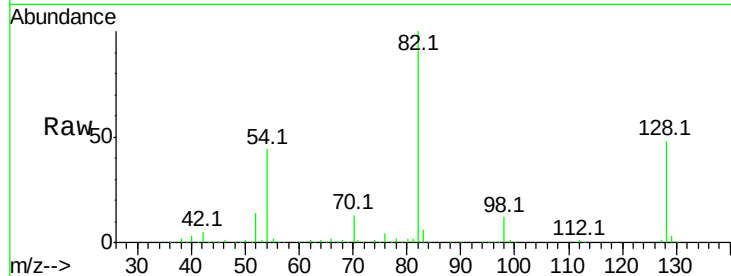
8.00 8.05 8.10 8.15 8.20



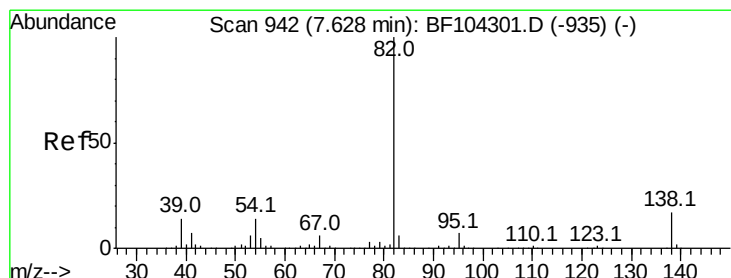
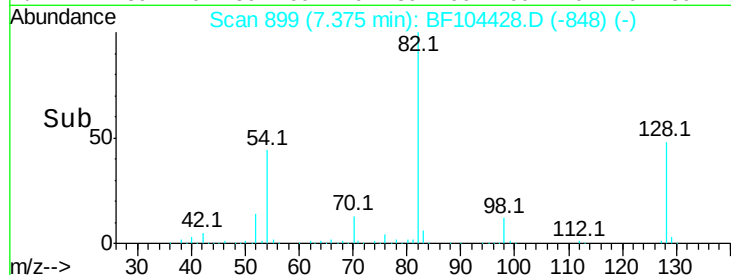
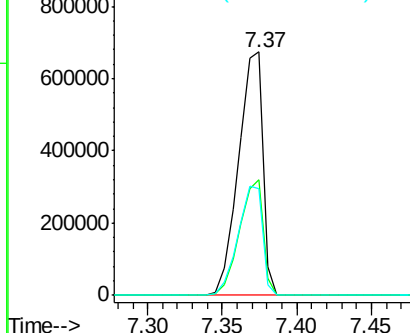
#23
 Nitrobenzene-d5
 Concen: 78.856 ng
 RT: 7.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: BF104428.D
 Acq: 11 Apr 2018 10:25

Instrument :
 BNA_F
 ClientSampleId :
 EPE-L-6(0-5)

Tot Ion: 82 Resp: 768334
 Ion Ratio Lower Upper
 82 100
 128 47.7 36.1 54.1
 54 43.7 41.4 62.2

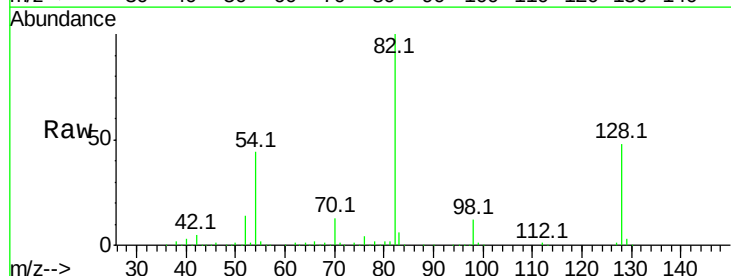


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

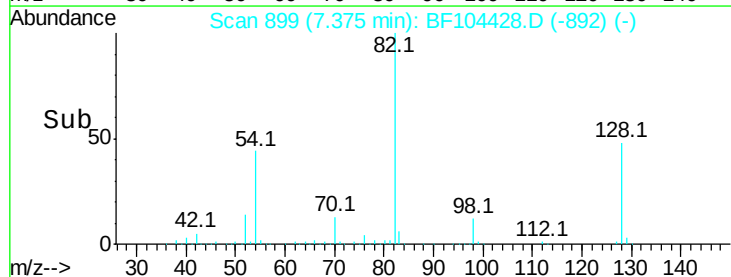
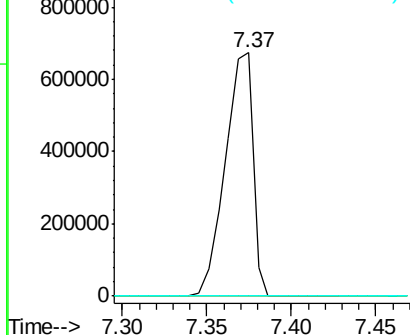


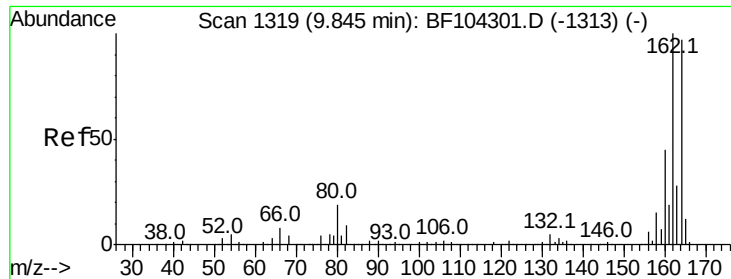
#25
 Isophorone
 Concen: 37.283 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.26 min
 Lab File: BF104428.D
 Acq: 11 Apr 2018 10:25

Tgt Ion: 82 Resp: 768180
 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

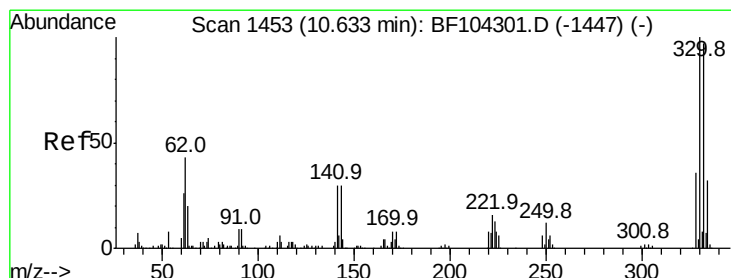
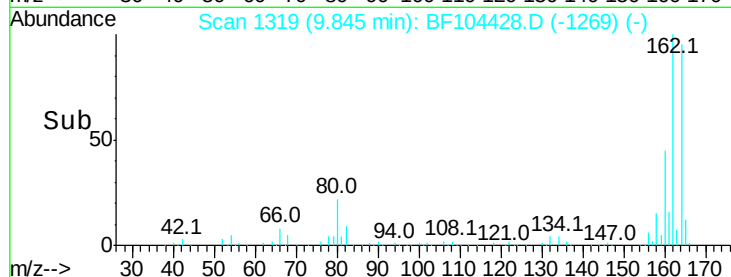
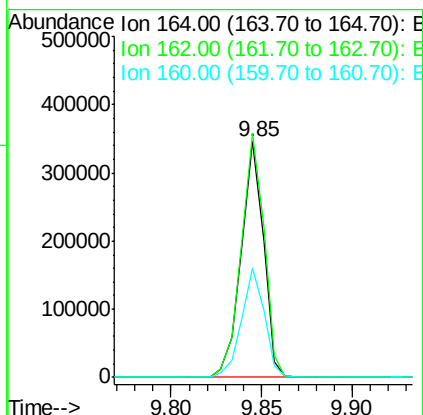
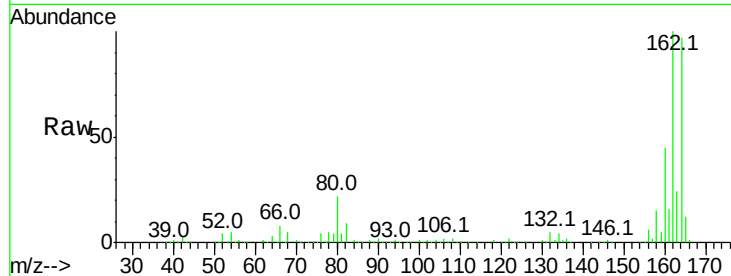




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104428.D
 Acq: 11 Apr 2018 10:25

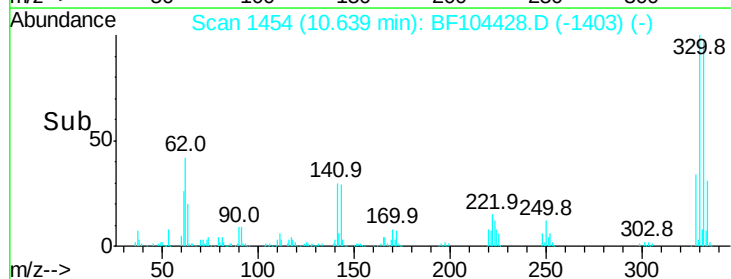
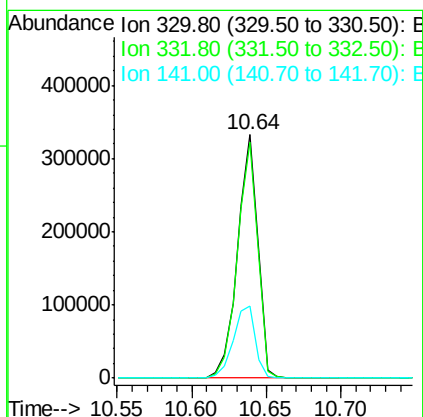
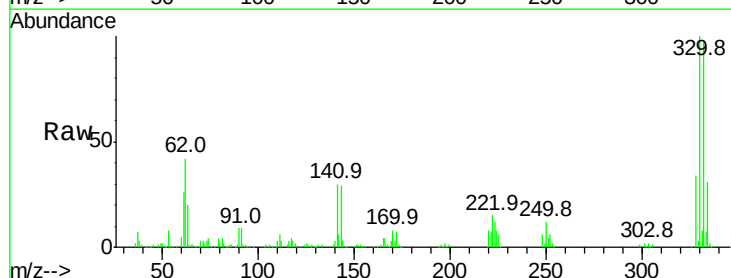
Instrument :
 BNA_F
 ClientSampleId :
 EPE-L-6(0-5)

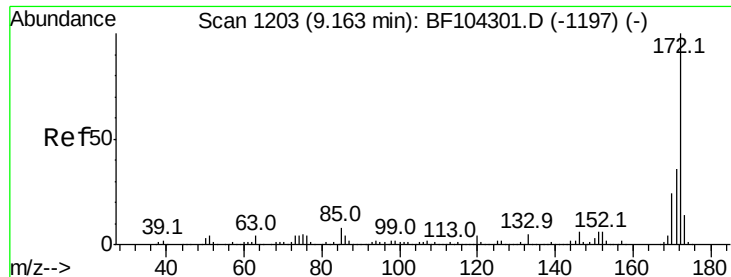
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	46.4	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 103.070 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104428.D
 Acq: 11 Apr 2018 10:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	32.2	29.9	44.9

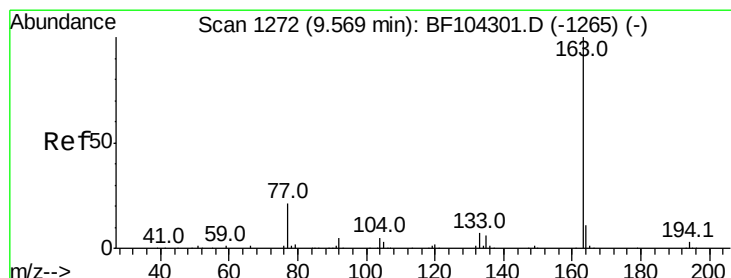
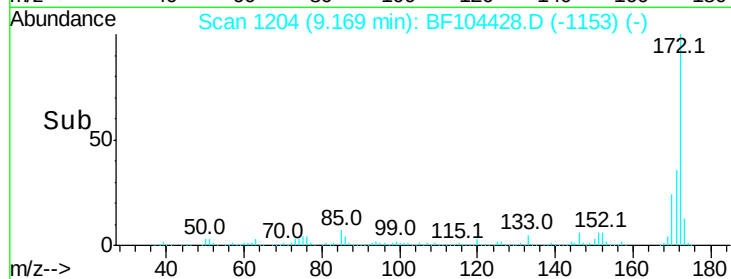
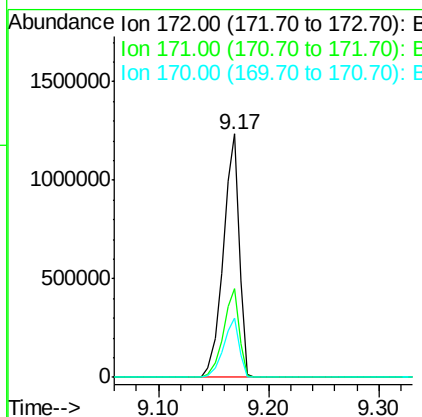
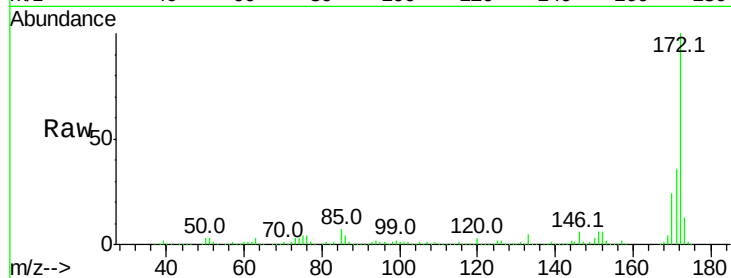




#44
2-Fluorobiphenyl
Concen: 66.196 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104428.D
Acq: 11 Apr 2018 10:25

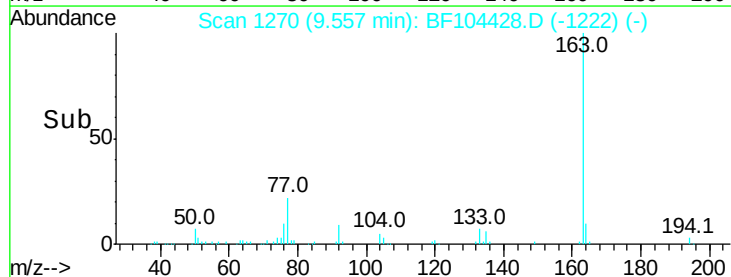
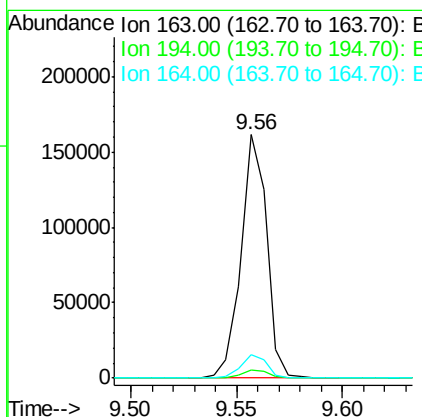
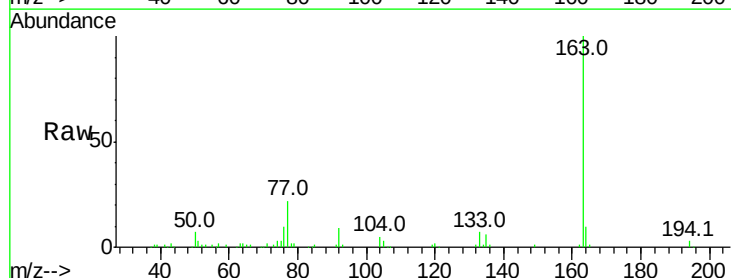
Instrument :
BNA_F
ClientSampleId :
EPE-L-6(0-5)

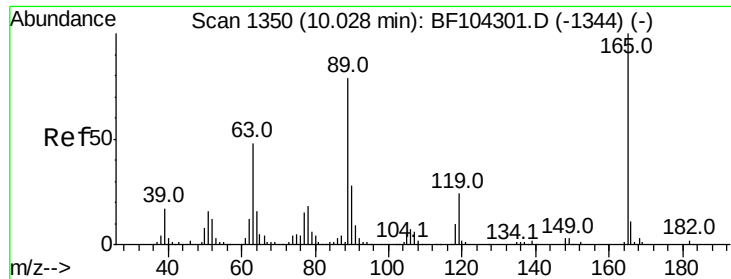
Tot Ion:172 Resp: 1245867
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.3 19.6 29.4



#49
Dimethylphthalate
Concen: 5.761 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104428.D
Acq: 11 Apr 2018 10:25

Tgt Ion:163 Resp: 135082
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.9 8.2 12.2

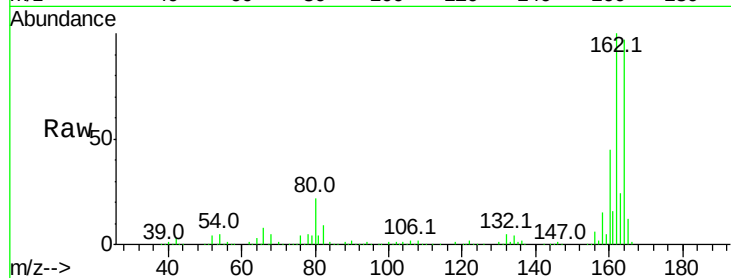




#56
 2,4-Dinitrotoluene
 Concen: 6.677 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF104428.D
 Acq: 11 Apr 2018 10:25

Instrument :
 BNA_F
 ClientSampleId :
 EPE-L-6(0-5)

Tot Ion:165	Resp:	37997
Ion Ratio	Lower	Upper
165 100		
63 0.9	36.4	54.6#
89 1.3	57.8	86.6#
182 0.0	1.6	2.4#

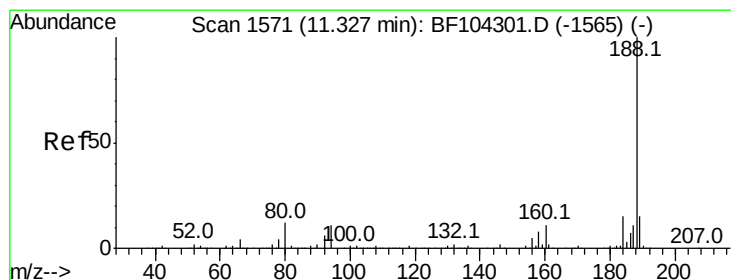
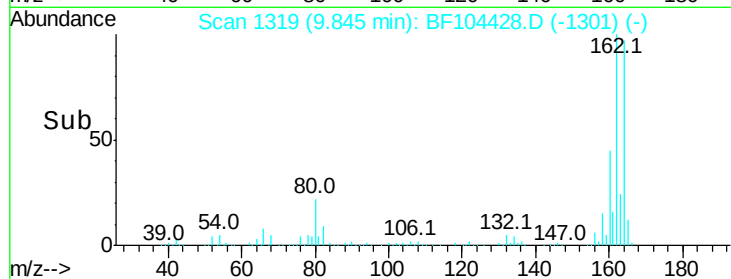
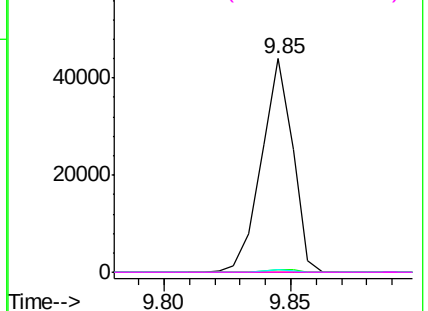


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

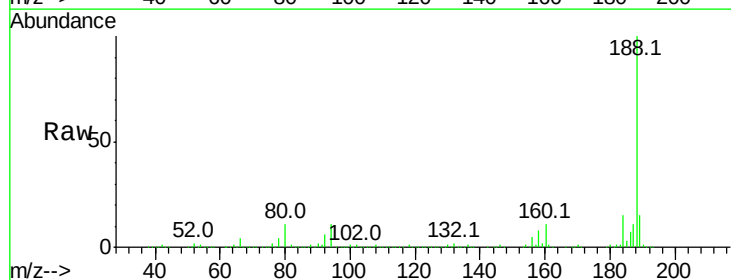
Ion 89.00 (88.70 to 89.70): BF1

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. 0.00 min
 Lab File: BF104428.D
 Acq: 11 Apr 2018 10:25

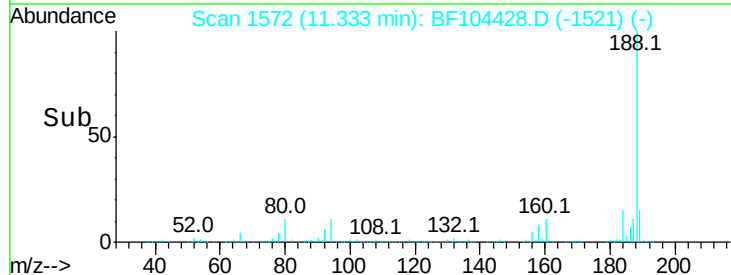
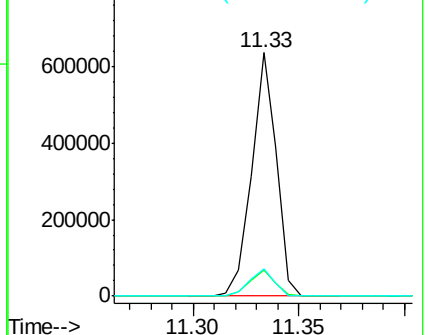
Tgt Ion:188	Resp:	517247
Ion Ratio	Lower	Upper
188 100		
94 10.7	8.5	12.7
80 11.4	9.2	13.8

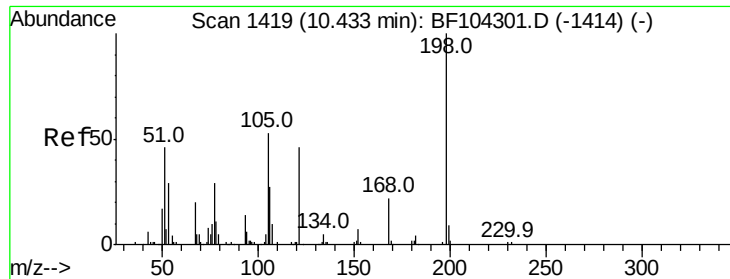


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

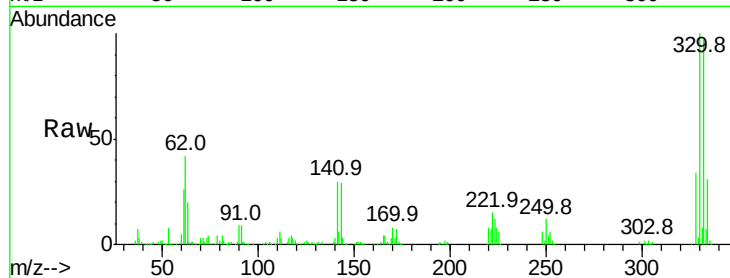




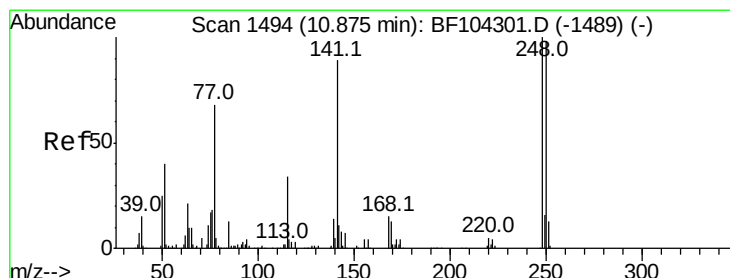
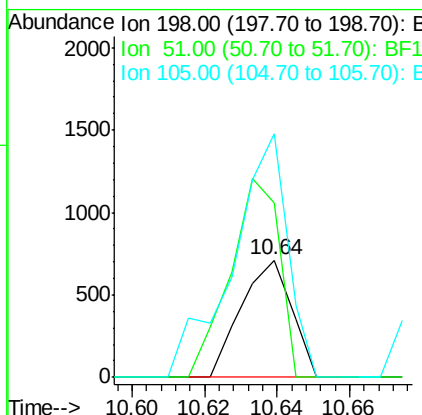
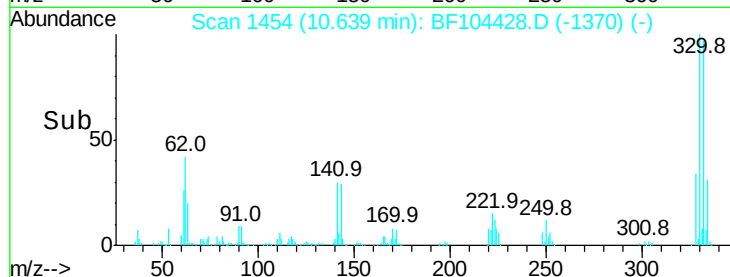
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.577 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF104428.D
 Acq: 11 Apr 2018 10:25

Instrument :
 BNA_F
 ClientSampleId :
 EPE-L-6(0-5)

Tot Ion	198	Resp	685
Ion Ratio	100	Lower	Upper
51	149.4	37.7	77.7#
105	208.0	36.3	76.3#

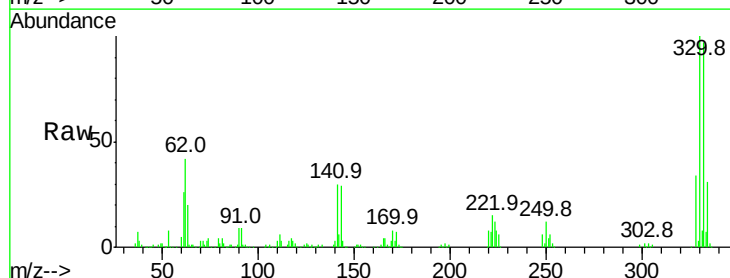


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

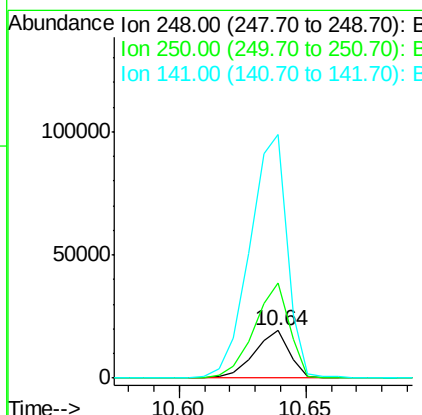
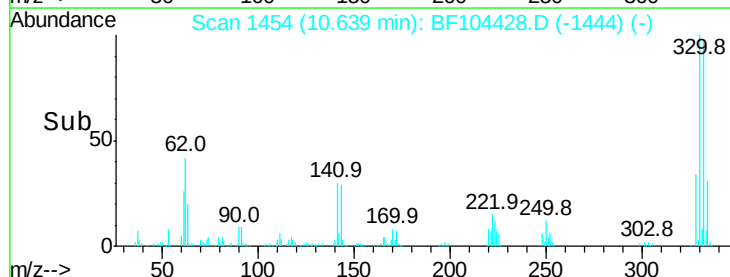


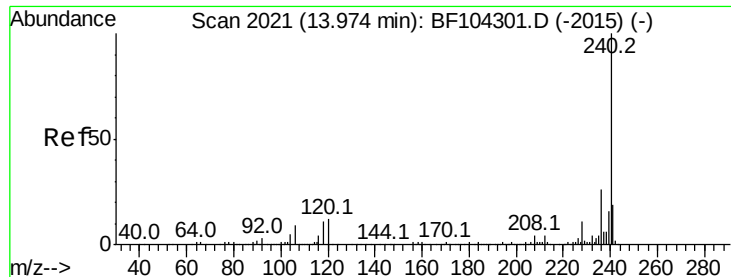
#66
 4-Bromophenyl-phenylether
 Concen: 3.405 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF104428.D
 Acq: 11 Apr 2018 10:25

Tgt Ion	248	Resp	18736
Ion Ratio	100	Lower	Upper
250	200.9	76.9	115.3#
141	513.3	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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104428.D

Acq: 11 Apr 2018 10:25

Instrument :

BNA_F

ClientSampleId :

EPE-L-6(0-5)

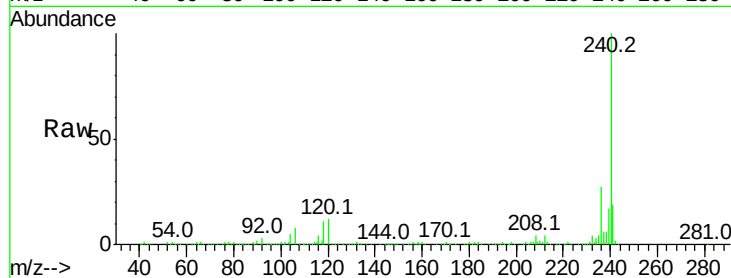
Tot Ion:240 Resp: 376233

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

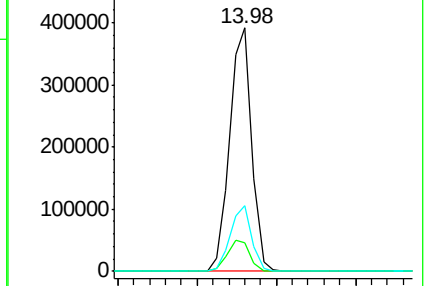
236 27.0 20.7 31.1



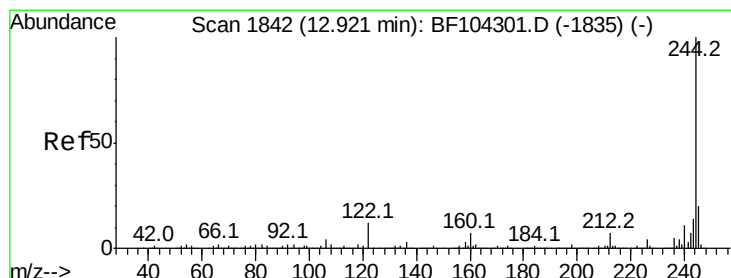
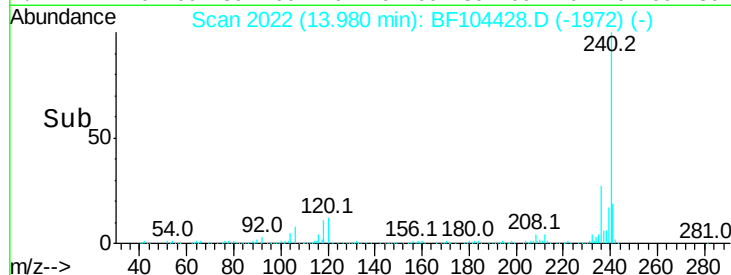
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.90 13.95 14.00 14.05



#78

Terphenyl-d14

Concen: 67.555 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BF104428.D

Acq: 11 Apr 2018 10:25

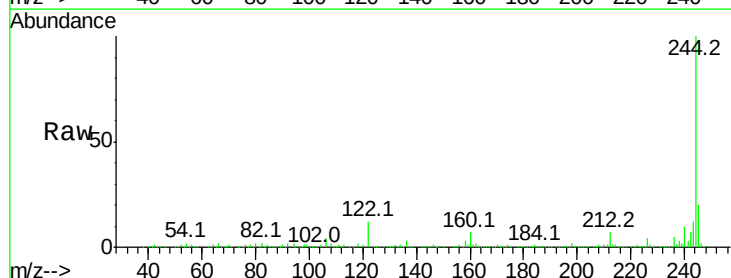
Tgt Ion:244 Resp: 1114841

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

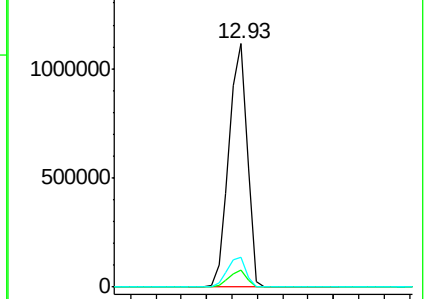
122 12.1 11.0 16.4



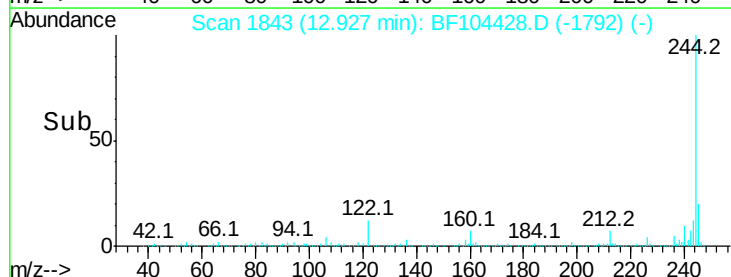
Abundance Ion 244.00 (243.70 to 244.70): E

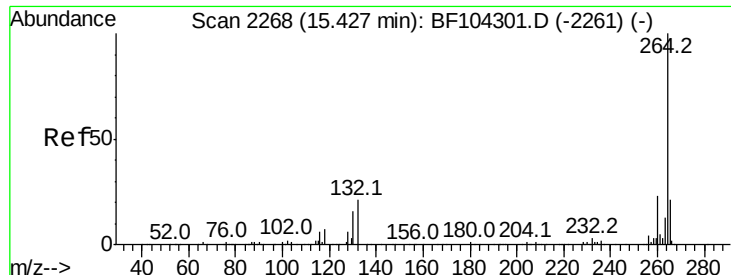
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.90 13.00





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF104428.D
Acq: 11 Apr 2018 10:25

Instrument :
BNA_F
ClientSampleId :
EPE-L-6(0-5)

Tot Ion:264 Resp: 293456
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.4 17.5 26.3

