

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113853.D
 Acq On : 19 Apr 2019 12:47
 Operator : JU/SJ
 Sample : K2442-15
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

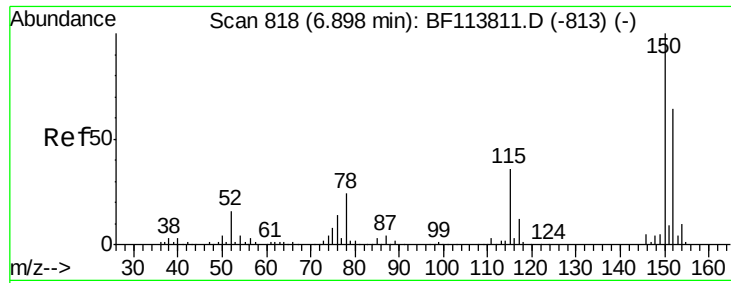
Instrument :
 BNA_F
 ClientSampleId :
 TP-21-D

Quant Time: Apr 19 23:21:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	195291	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	730098	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	373831	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	695781	20.00	ng	0.00
76) Chrysene-d12	14.04	240	439474	20.00	ng	0.00
87) Perylene-d12	15.52	264	533424	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1073379	91.39	ng	0.01
7) Phenol-d6	6.52	99	1386928	94.69	ng	0.00
23) Nitrobenzene-d5	7.45	82	845560	70.53	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	428768	103.81	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1630169	66.50	ng	0.00
79) Terphenyl-d14	13.00	244	1631777	77.86	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	2113	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	112145	11.471 ng	#	3
25) Isophorone	7.45	82	845552	34.063 ng	#	78
50) Dimethylphthalate	9.64	163	194286	7.426 ng	#	65
57) 2,4-Dinitrotoluene	9.93	165	48312	6.745 ng	#	99
65) 4,6-Dinitro-2-methylphenol	10.72	198	784	7.161 ng	#	29
67) 4-Bromophenyl-phenylether	10.72	248	26464	3.239 ng	#	1

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

```
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Acq On    : 19 Apr 2019 12:47  
Operator  : JU/SJ  
Sample    : K2442-15  
Misc      :  
ALS Vial  : 5      Sample Multiplier: 1
```

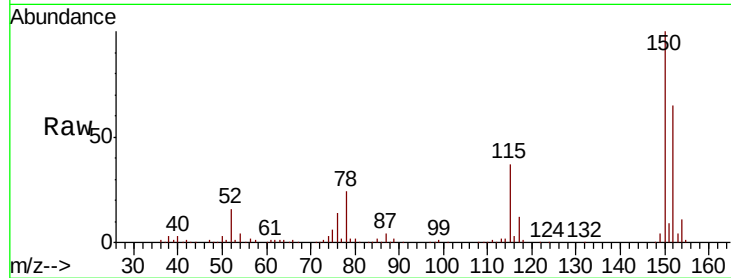


#1

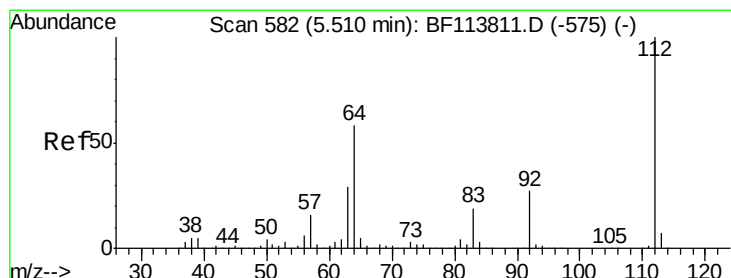
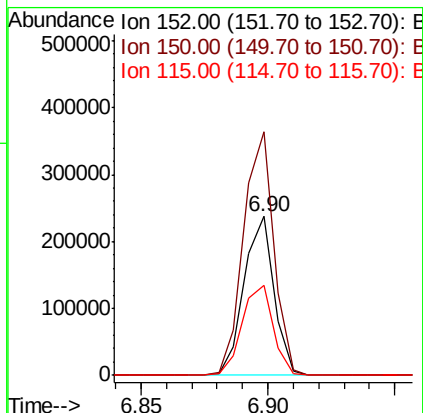
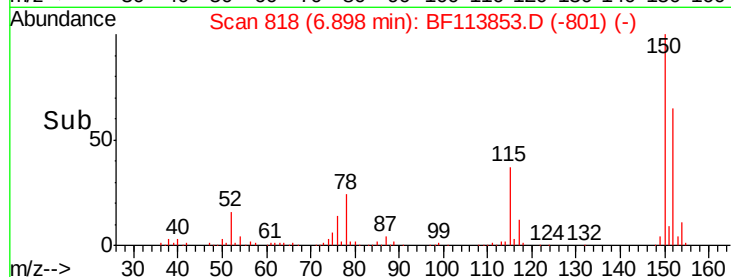
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113853.D
Acq: 19 Apr 2019 12:47

Instrument :
BNA_F
ClientSampleId :
TP-21-D

Tgt Ion:152 Resp: 195291
Ion Ratio Lower Upper
152 100
150 153.5 125.9 188.9
115 56.5 45.9 68.9



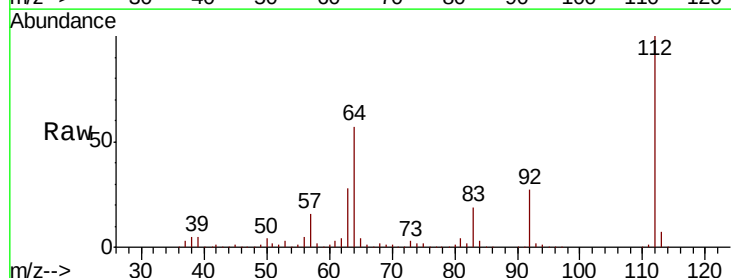
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



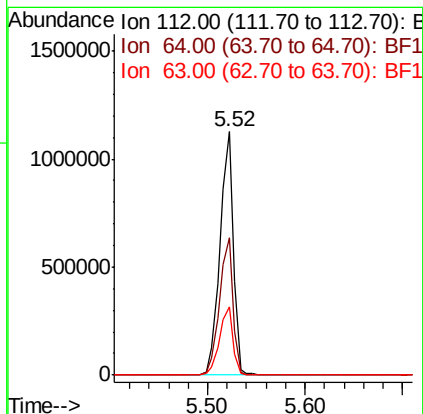
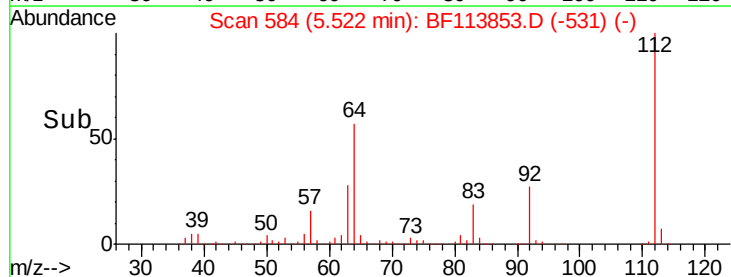
#5

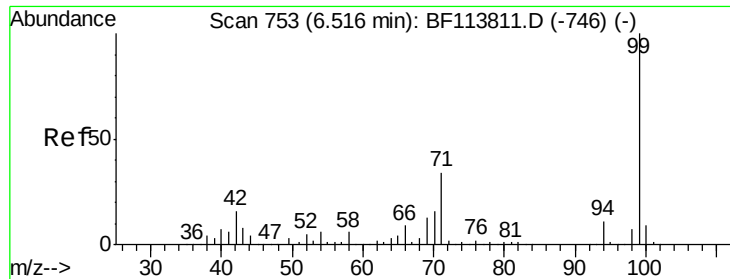
2-Fluorophenol
Concen: 91.391 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF113853.D
Acq: 19 Apr 2019 12:47

Tgt Ion:112 Resp: 1073379
Ion Ratio Lower Upper
112 100
64 56.6 46.6 69.8
63 28.3 23.1 34.7



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: 94.692 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF113853.D

Acq: 19 Apr 2019 12:47

Instrument :

BNA_F

ClientSampleId :

TP-21-D

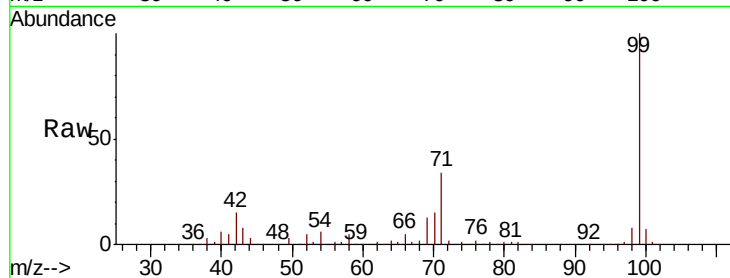
Tgt Ion: 99 Resp: 1386928

Ion Ratio Lower Upper

99 100

42 15.2 12.5 18.7

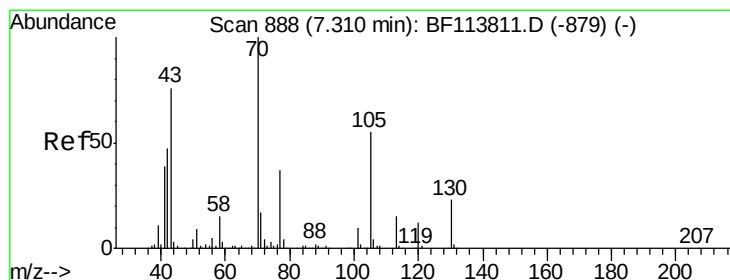
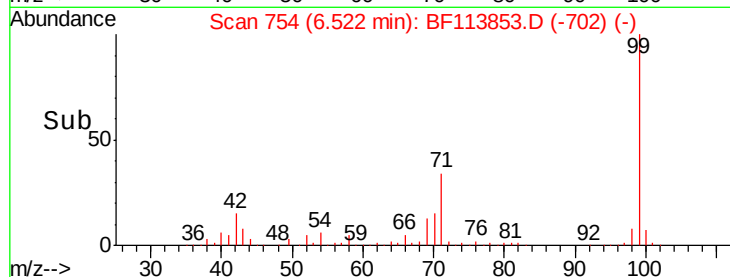
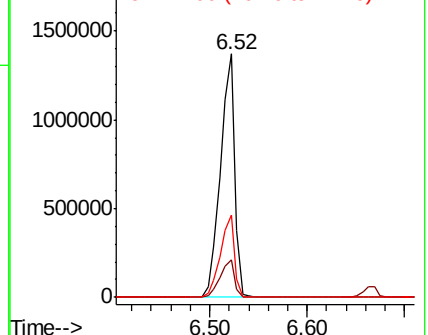
71 33.9 26.9 40.3



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: 11.471 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113853.D

Acq: 19 Apr 2019 12:47

Tgt Ion: 70 Resp: 112145

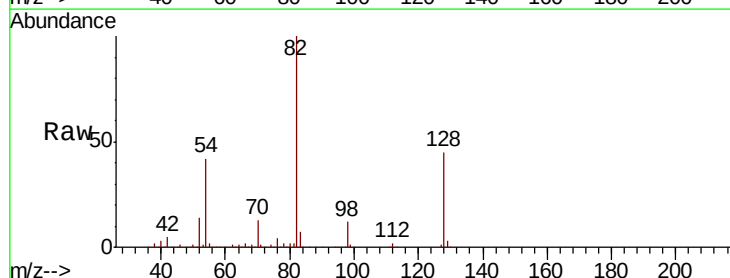
Ion Ratio Lower Upper

70 100

42 39.6 37.3 55.9

101 0.0 7.8 11.8#

130 2.0 18.2 27.2#

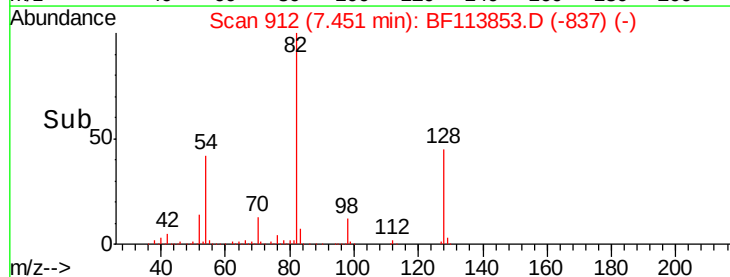
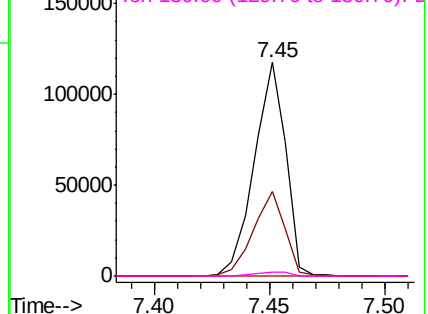


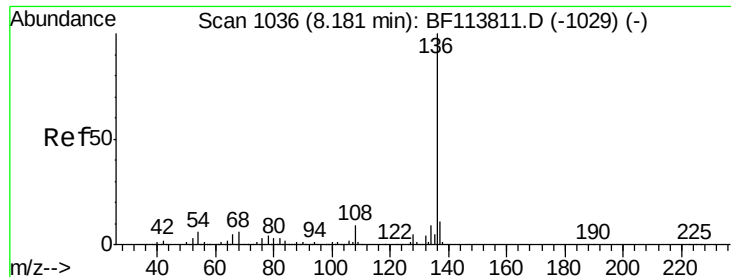
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113853.D

Acq: 19 Apr 2019 12:47

Instrument :

BNA_F

ClientSampleId :

TP-21-D

Tgt Ion: 136 Resp: 730098

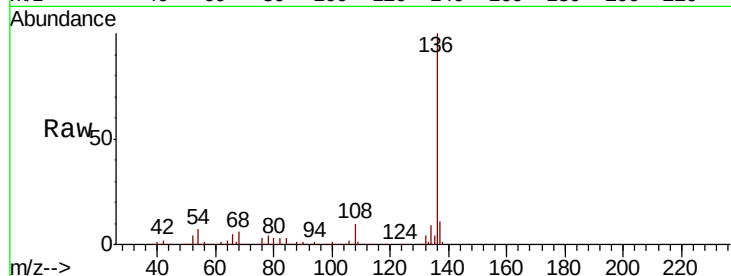
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 6.8 5.0 7.6

68 6.4 4.9 7.3

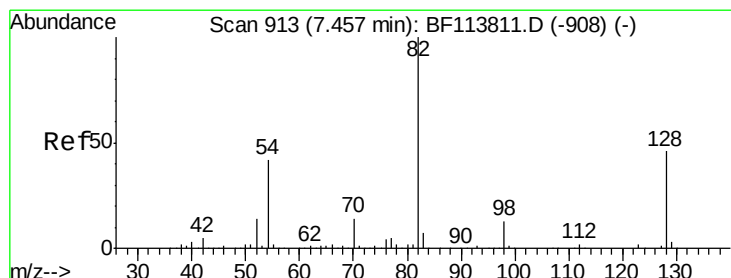
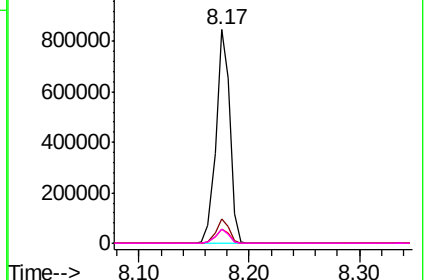
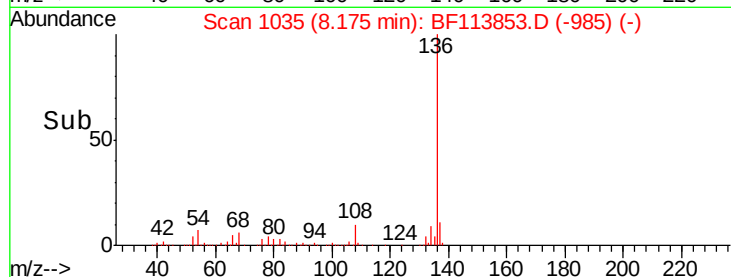


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.527 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113853.D

Acq: 19 Apr 2019 12:47

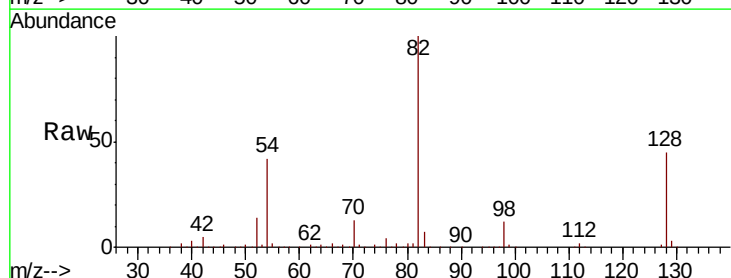
Tgt Ion: 82 Resp: 845560

Ion Ratio Lower Upper

82 100

128 45.2 36.8 55.2

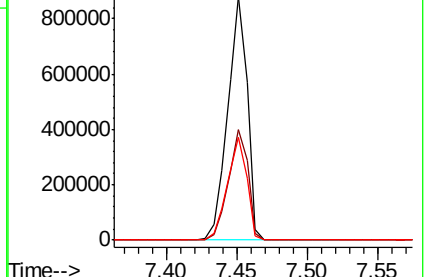
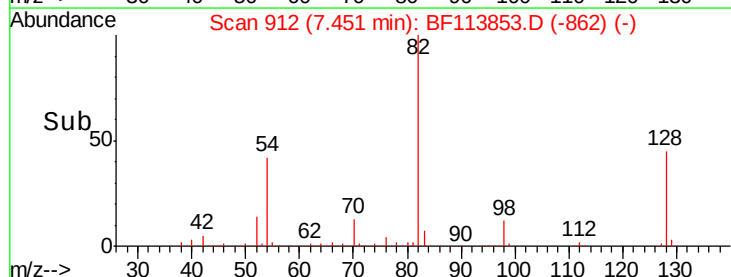
54 42.5 33.8 50.6

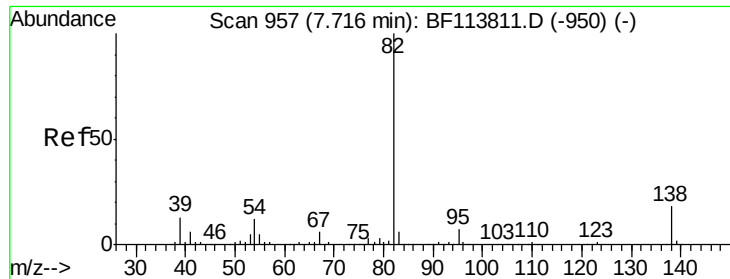


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.063 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113853.D

Acq: 19 Apr 2019 12:47

Instrument :

BNA_F

ClientSampleId :

TP-21-D

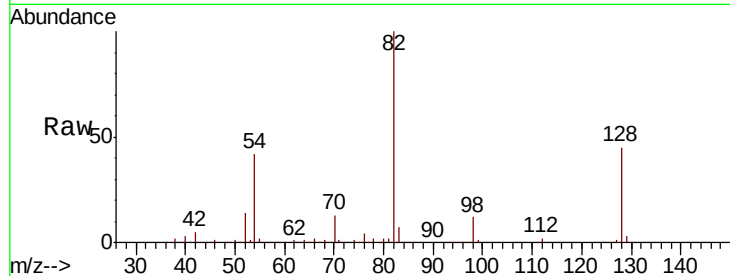
Tgt Ion: 82 Resp: 845552

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

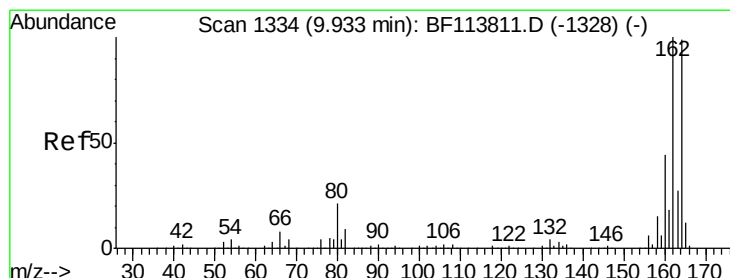
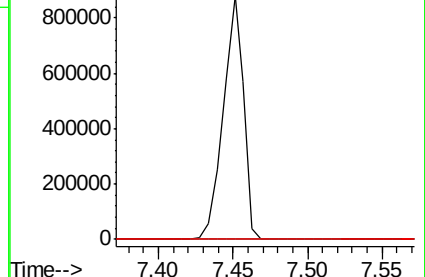
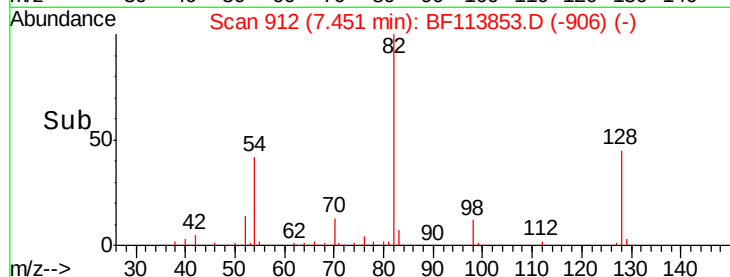
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF113853.D (-906) (-)

Ion 95.00 (94.70 to 95.70): BF113853.D (-906) (-)

Ion 138.00 (137.70 to 138.70): BF113853.D (-906) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF113853.D

Acq: 19 Apr 2019 12:47

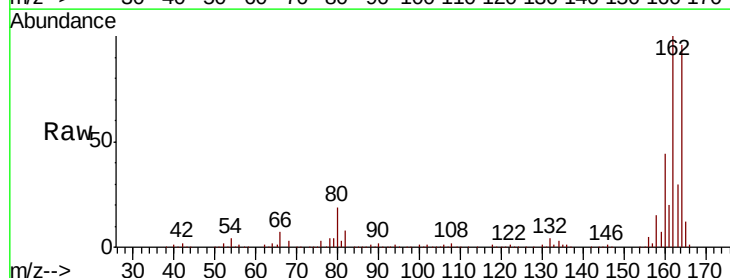
Tgt Ion: 164 Resp: 373831

Ion Ratio Lower Upper

164 100

162 104.3 81.1 121.7

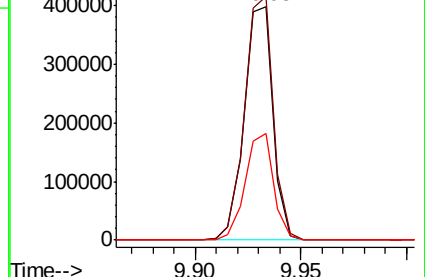
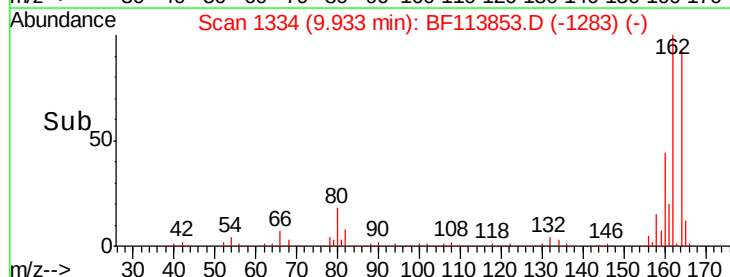
160 45.9 35.8 53.6

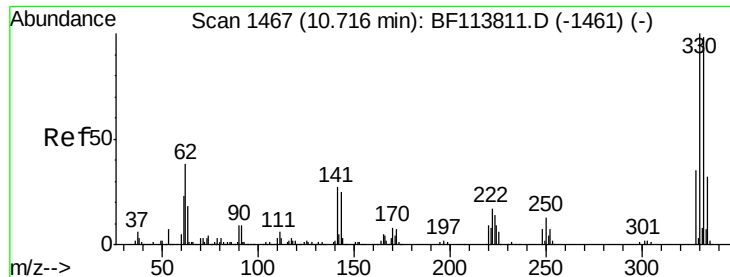


Abundance Ion 164.00 (163.70 to 164.70): BF113853.D (-1283) (-)

Ion 162.00 (161.70 to 162.70): BF113853.D (-1283) (-)

Ion 160.00 (159.70 to 160.70): BF113853.D (-1283) (-)

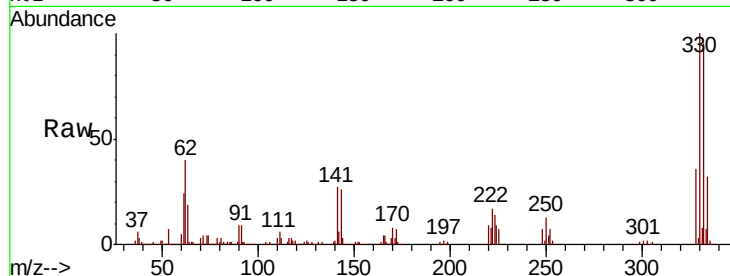




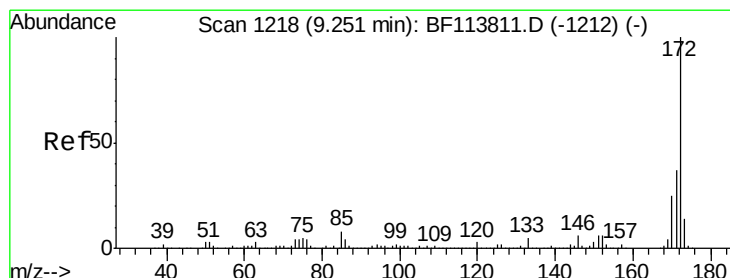
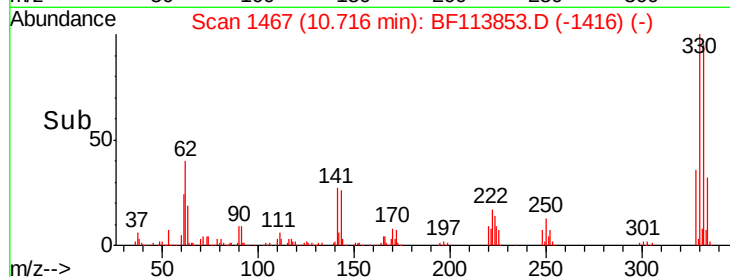
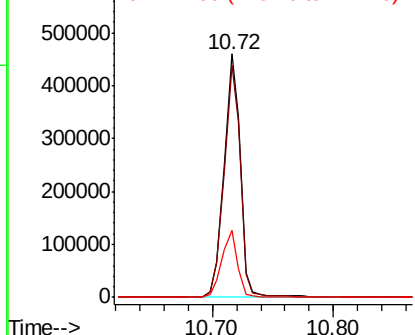
#42
 2,4,6-Tribromophenol
 Concen: 103.814 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF113853.D
 Acq: 19 Apr 2019 12:47

Instrument :
 BNA_F
 ClientSampleId :
 TP-21-D

Tgt Ion:330 Resp: 428768
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.5 116.3
 141 26.8 22.2 33.2

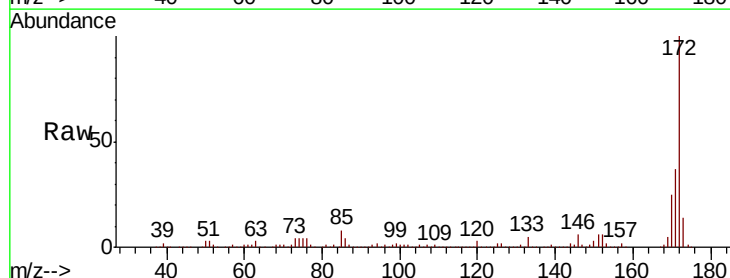


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

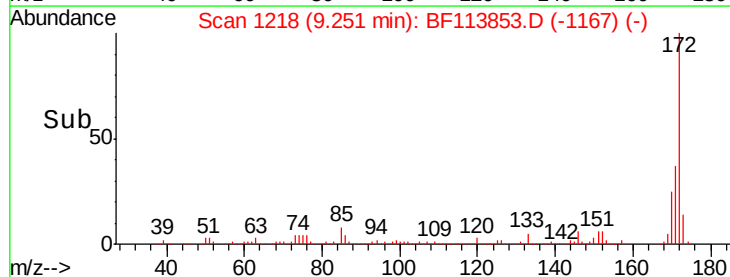
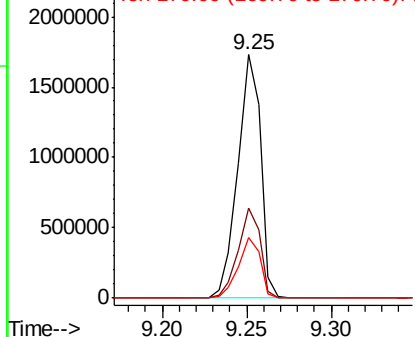


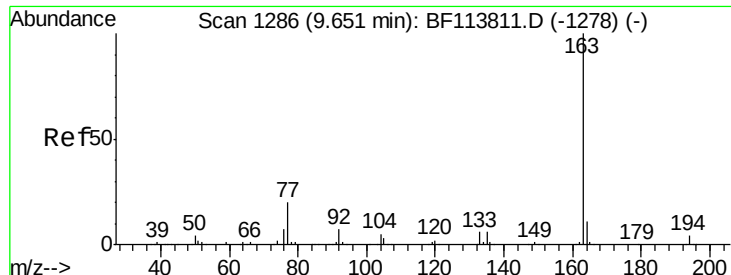
#45
 2-Fluorobiphenyl
 Concen: 66.503 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113853.D
 Acq: 19 Apr 2019 12:47

Tgt Ion:172 Resp: 1630169
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.8 19.9 29.9



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

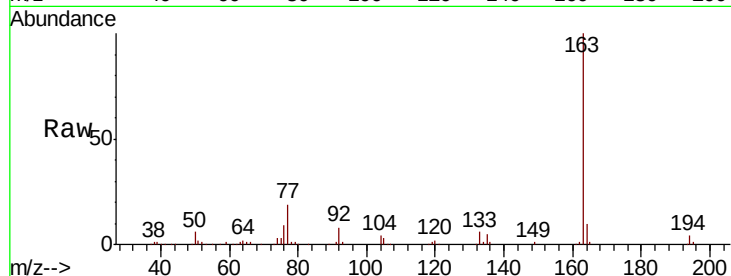




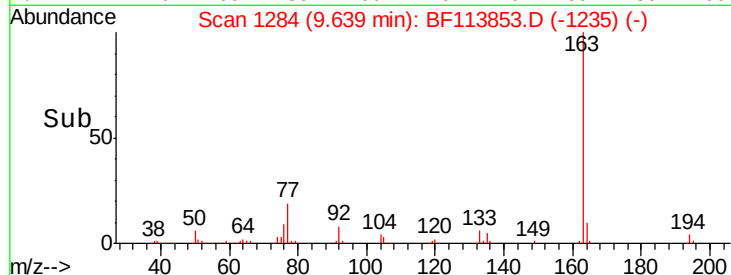
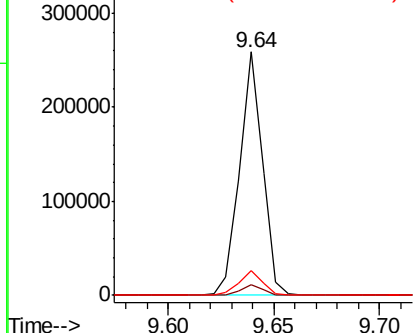
#50
Dimethylphthalate
Concen: 7.426 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF113853.D
Acq: 19 Apr 2019 12:47

Instrument :
BNA_F
ClientSampleId :
TP-21-D

Tgt Ion:163 Resp: 194286
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.1 8.5 12.7

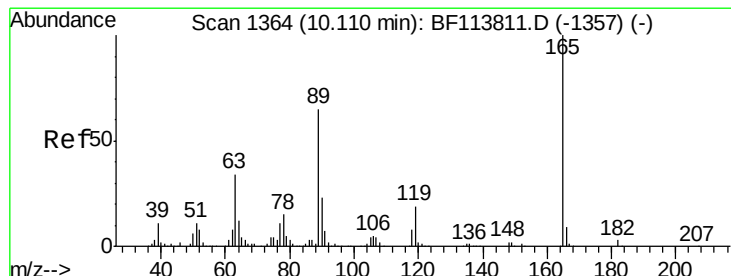


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

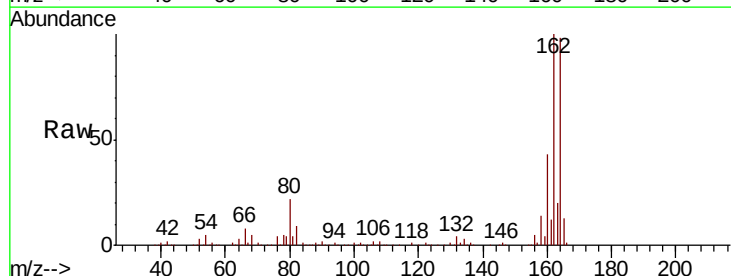
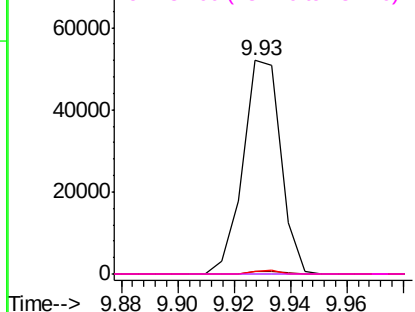


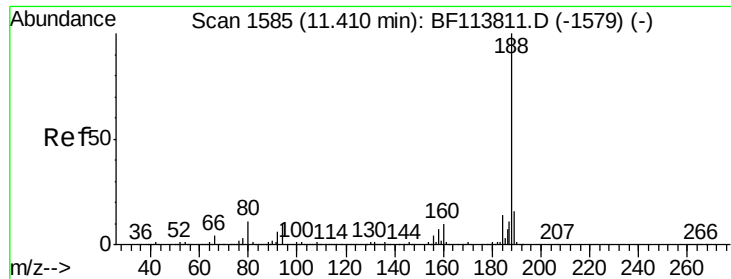
#57
2,4-Dinitrotoluene
Concen: 6.745 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.18 min
Lab File: BF113853.D
Acq: 19 Apr 2019 12:47

Tgt Ion:165 Resp: 48312
Ion Ratio Lower Upper
165 100
63 1.2 27.4 41.0#
89 1.4 51.8 77.6#
182 0.0 2.2 3.2#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF113853.D

Acq: 19 Apr 2019 12:47

Instrument :

BNA_F

ClientSampleId :

TP-21-D

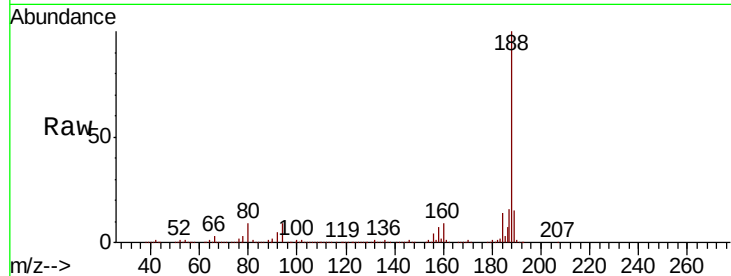
Tgt Ion:188 Resp: 695781

Ion Ratio Lower Upper

188 100

94 8.7 8.2 12.4

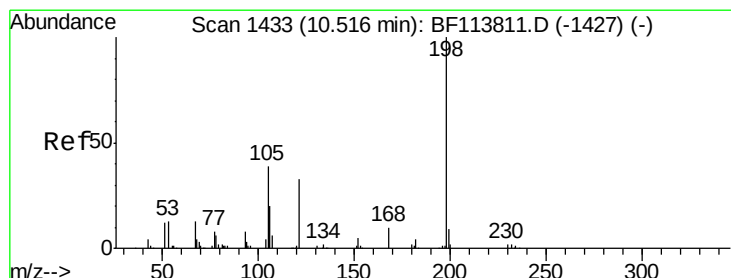
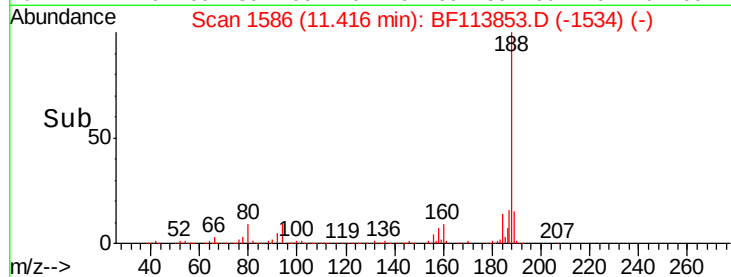
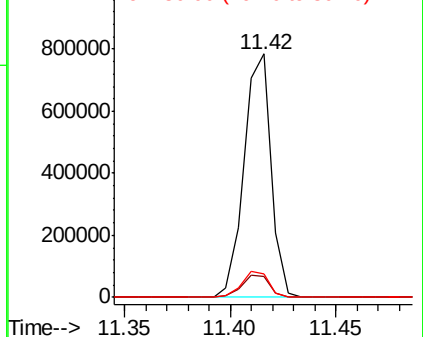
80 9.4 9.0 13.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.161 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.20 min

Lab File: BF113853.D

Acq: 19 Apr 2019 12:47

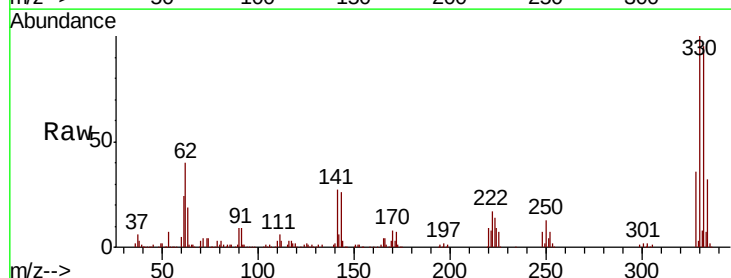
Tgt Ion:198 Resp: 784

Ion Ratio Lower Upper

198 100

51 151.0 11.1 51.1#

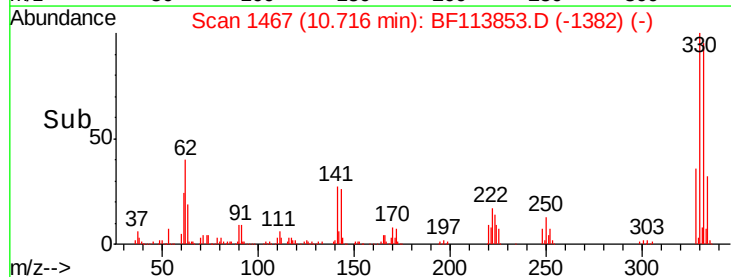
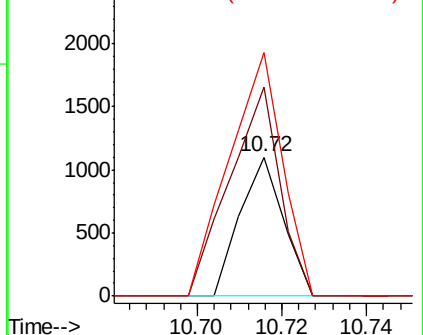
105 175.3 20.7 60.7#

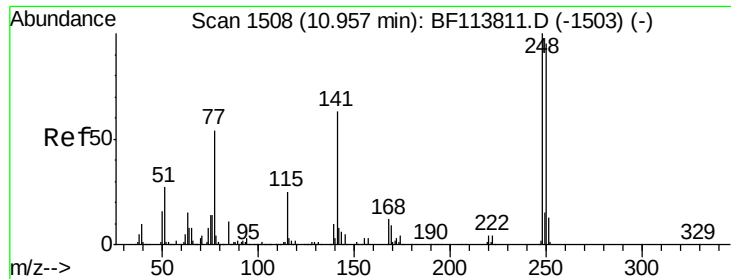


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

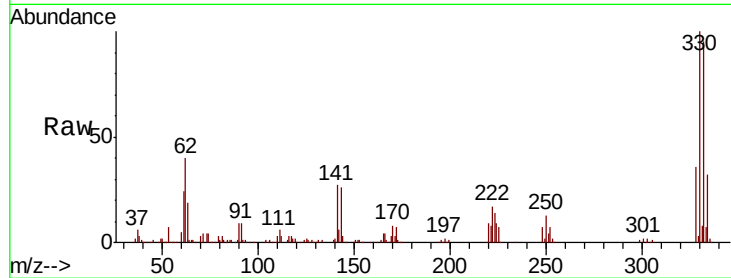




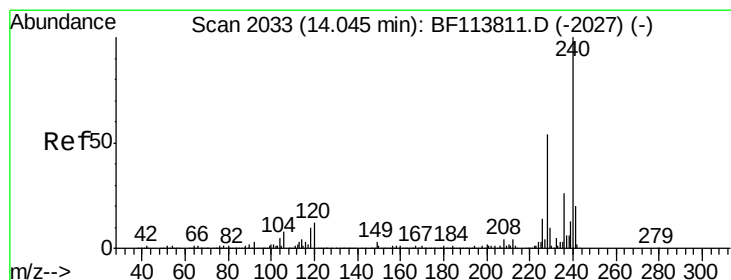
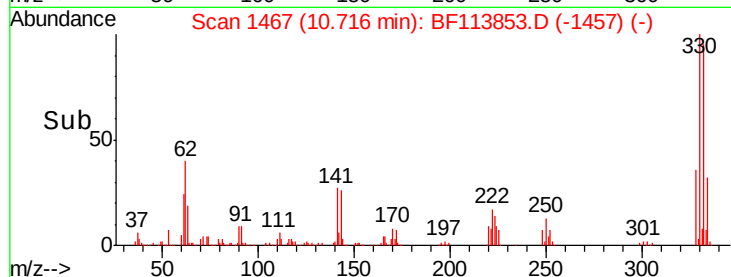
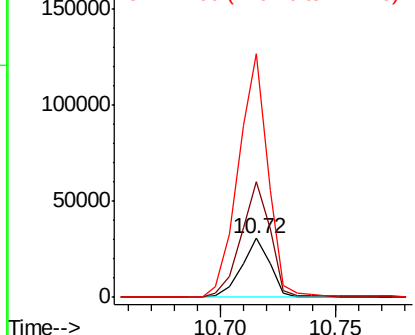
#67
4-Bromophenyl-phenylether
Concen: 3.239 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF113853.D
Acq: 19 Apr 2019 12:47

Instrument :
BNA_F
ClientSampleId :
TP-21-D

Tgt Ion:248 Resp: 26464
Ion Ratio Lower Upper
248 100
250 196.6 75.8 113.6#
141 412.3 50.2 75.4#

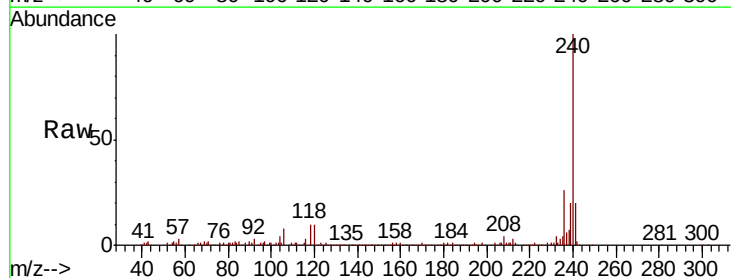


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

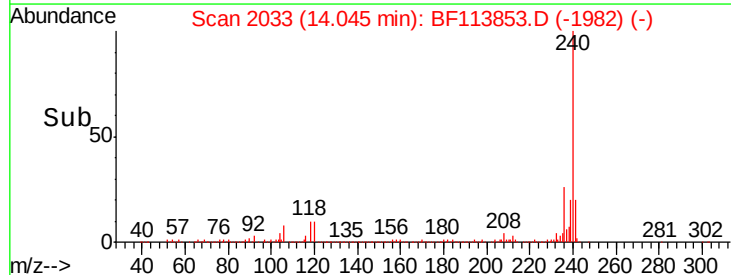
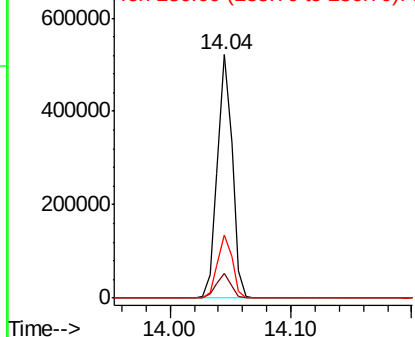


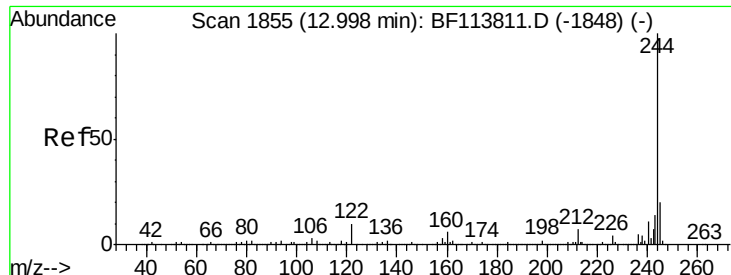
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF113853.D
Acq: 19 Apr 2019 12:47

Tgt Ion:240 Resp: 439474
Ion Ratio Lower Upper
240 100
120 10.1 9.3 13.9
236 25.8 21.2 31.8



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





#79

Terphenyl-d14

Concen: 77.860 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF113853.D

Acq: 19 Apr 2019 12:47

Instrument :

BNA_F

ClientSampleId :

TP-21-D

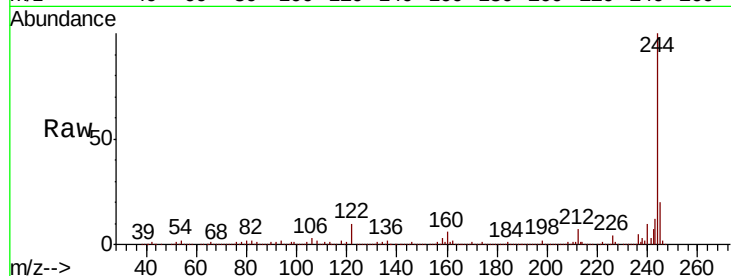
Tgt Ion:244 Resp: 1631777

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

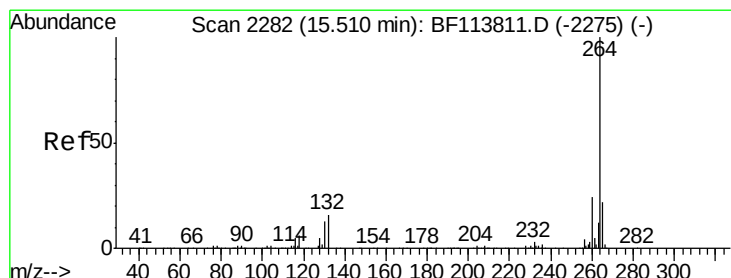
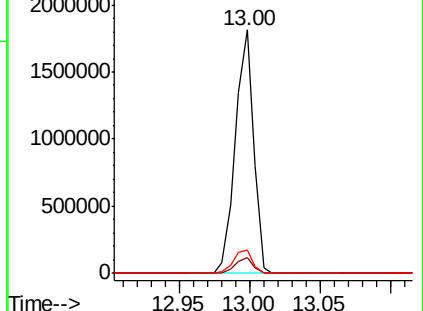
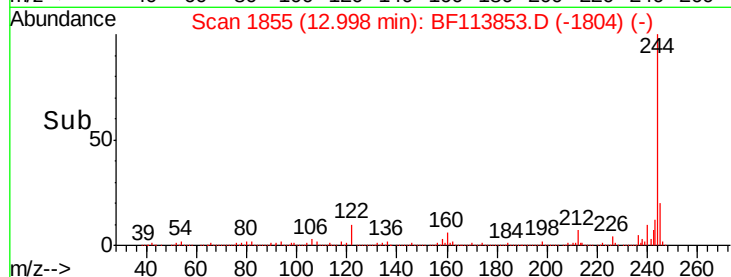
122 9.8 7.6 11.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF113853.D

Acq: 19 Apr 2019 12:47

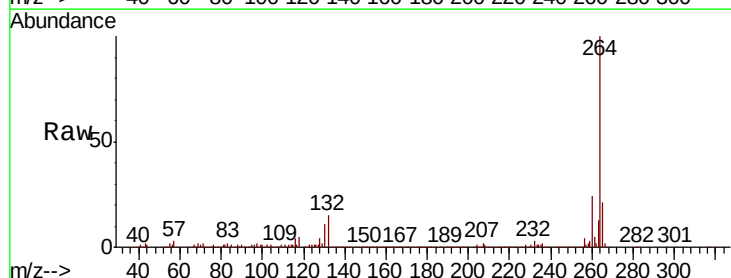
Tgt Ion:264 Resp: 533424

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.5 17.3 25.9



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

