

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030317\
 Data File : BF093388.D
 Acq On : 4 Mar 2017 6:38
 Operator : SJ/MA
 Sample : I2087-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-02-002-ABCD

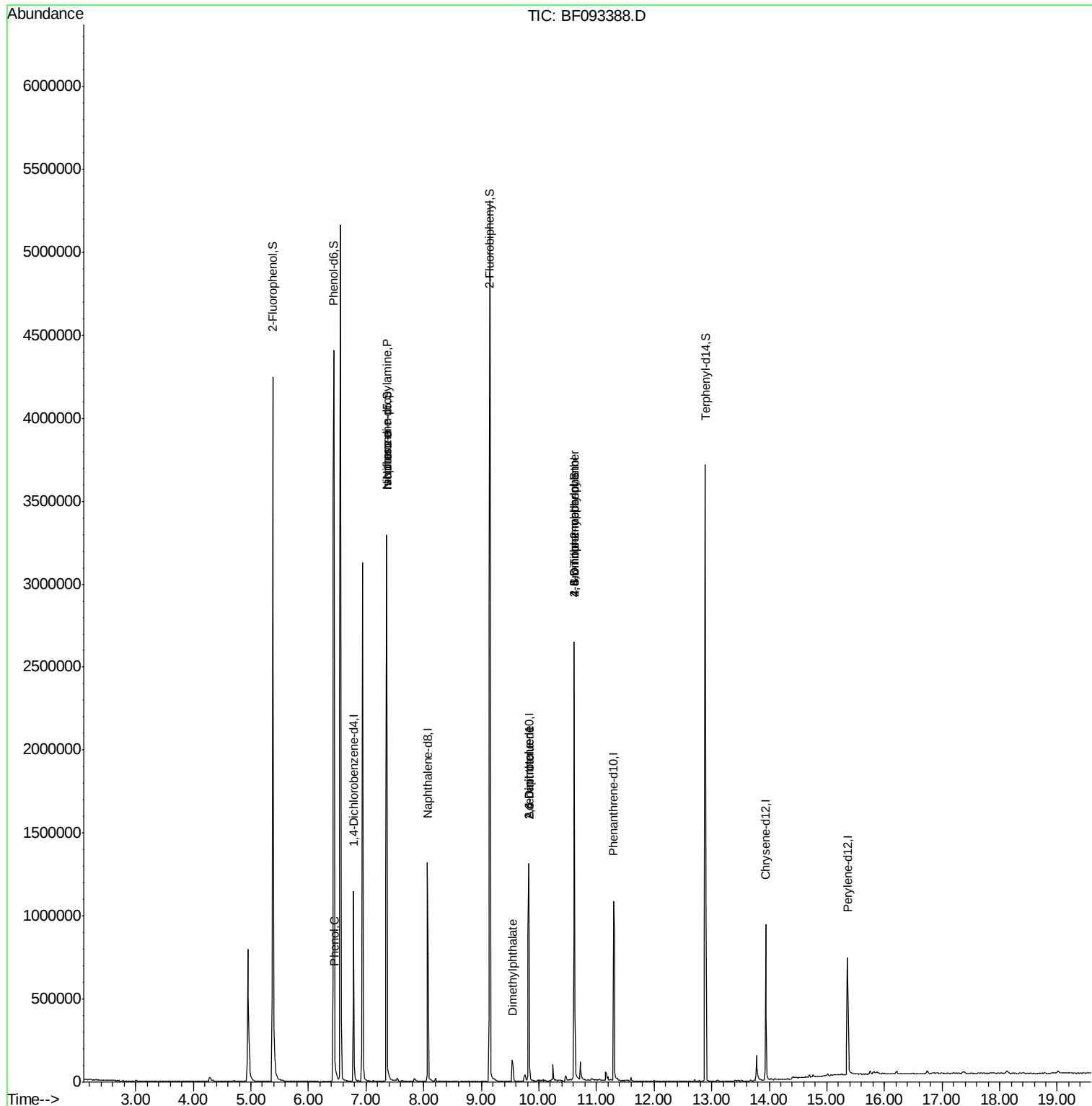
Quant Time: Mar 05 23:39:47 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

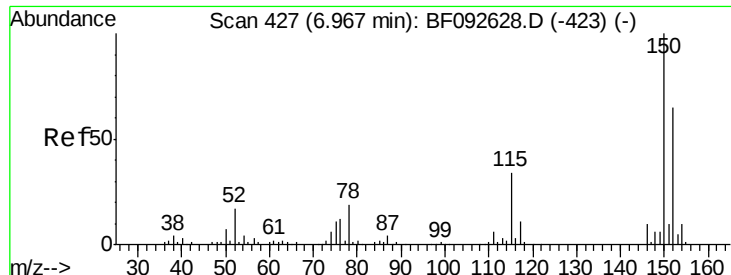
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	198765	20.00	ng	-0.07
21) Naphthalene-d8	8.06	136	743535	20.00	ng	-0.08
38) Acenaphthene-d10	9.82	164	339239	20.00	ng	-0.07
63) Phenanthrene-d10	11.30	188	550915	20.00	ng	-0.08
75) Chrysene-d12	13.94	240	361261	20.00	ng	-0.08
86) Perylene-d12	15.36	264	332800	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1559172	134.58	ng	-0.07
7) Phenol-d6	6.44	99	2169505	145.54	ng	-0.05
23) Nitrobenzene-d5	7.36	82	1230967	92.19	ng	-0.07
41) 2,4,6-Tribromophenol	10.61	330	304651	124.17	ng	-0.07
44) 2-Fluorobiphenyl	9.15	172	2032428	108.54	ng	-0.07
78) Terphenyl-d14	12.89	244	1244877	80.97	ng	-0.08
Target Compounds						
10) Phenol	6.45	94	90122	5.17	ng	# 67
19) n-Nitroso-di-n-propylamine	7.36	70	165189	17.41	ng	# 82
25) Isophorone	7.36	82	1221173	49.08	ng	# 65
49) Dimethylphthalate	9.54	163	73719	3.23	ng	# 99
50) 2,6-Dinitrotoluene	9.82	165	42441	8.60	ng	# 31
56) 2,4-Dinitrotoluene	9.82	165	42443	6.46	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.61	198	959	2.94	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	22598	3.93	ng	# 1

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

```
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030317\  
Data File : BF093388.D  
Acq On    : 4 Mar 2017    6:38  
Operator  : SJ/MA  
Sample    : I2087-01  
Misc      :  
ALS Vial  : 27    Sample Multiplier: 1
```

Quant Time: Mar 05 23:39:47 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.07 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

Instrument :

BNA_F

ClientSampleId :

FK-BPM-02-002-ABCD

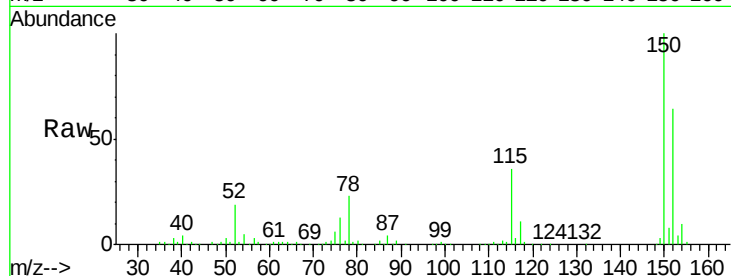
Tgt Ion:152 Resp: 198765

Ion Ratio Lower Upper

152 100

150 155.4 124.9 187.3

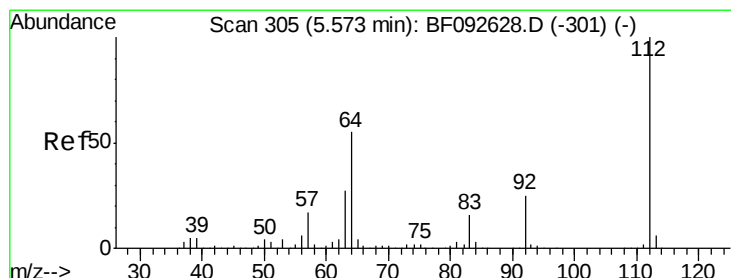
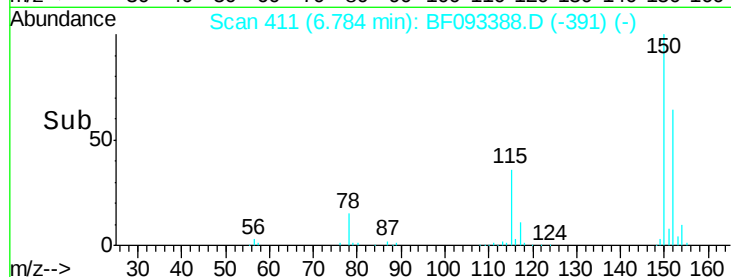
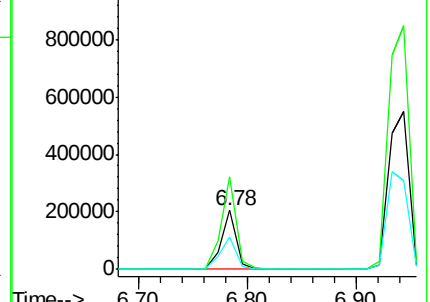
115 55.8 46.0 69.0



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: 134.58 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.07 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

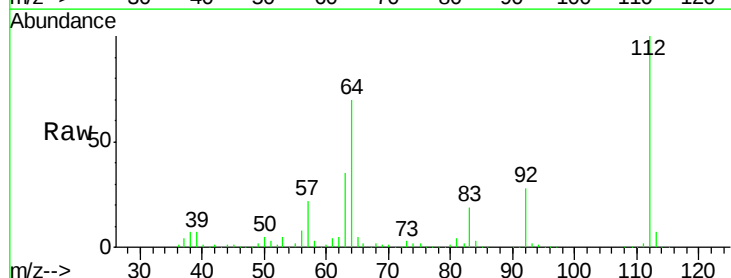
Tgt Ion:112 Resp: 1559172

Ion Ratio Lower Upper

112 100

64 69.8 46.1 69.1#

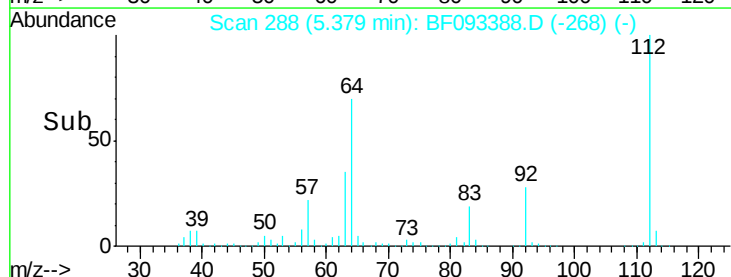
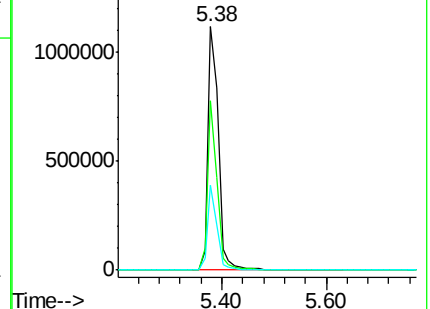
63 35.0 23.8 35.6

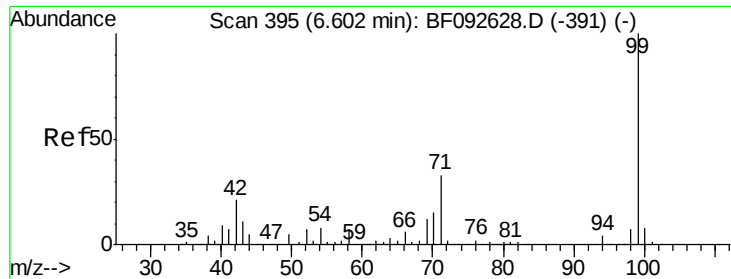


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.54 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.05 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

Instrument :

BNA_F

ClientSampleId :

FK-BPM-02-002-ABCD

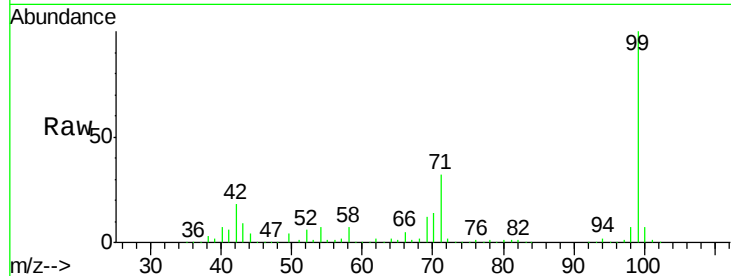
Tgt Ion: 99 Resp: 2169505

Ion Ratio Lower Upper

99 100

42 17.8 15.6 23.4

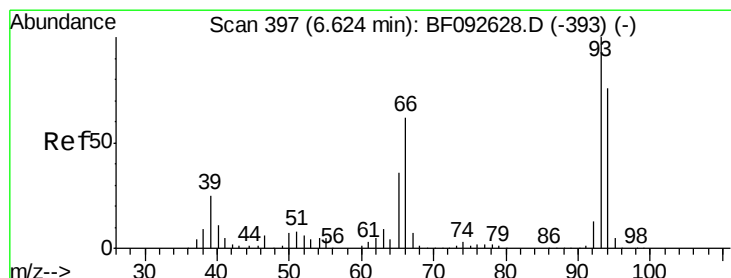
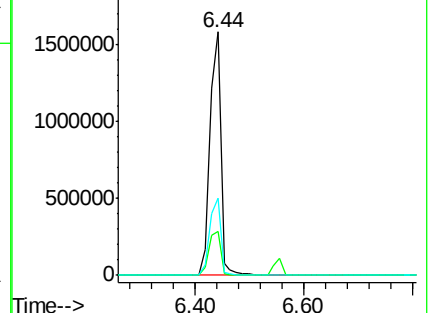
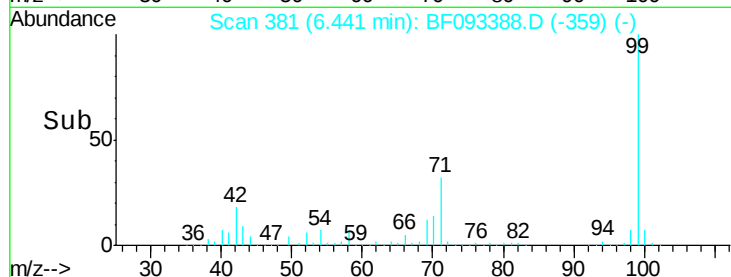
71 31.6 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.17 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.06 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

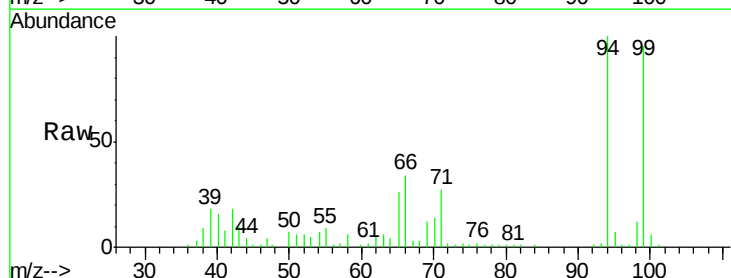
Tgt Ion: 94 Resp: 90122

Ion Ratio Lower Upper

94 100

65 25.6 21.4 61.4

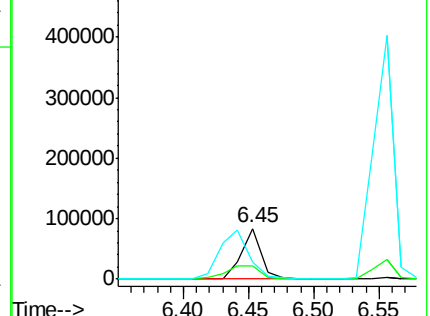
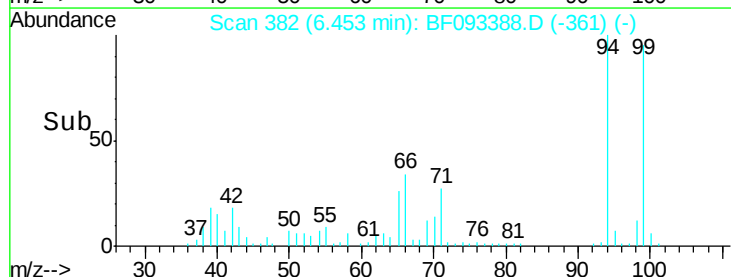
66 34.3 44.0 84.0#

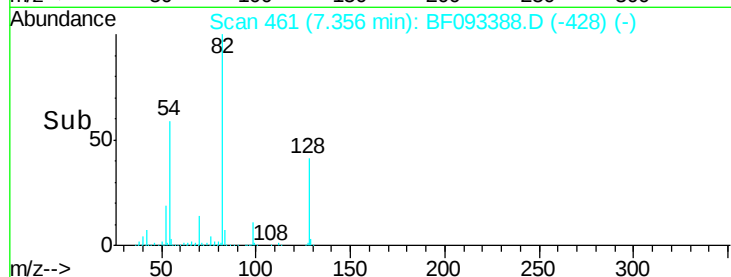
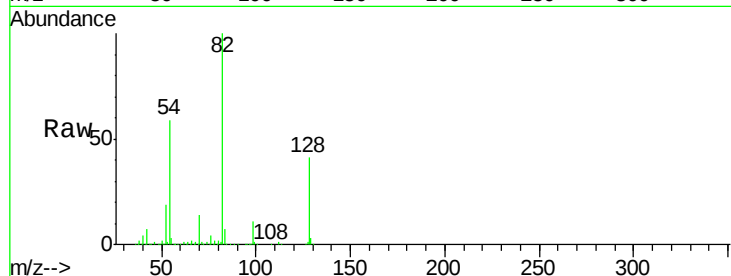
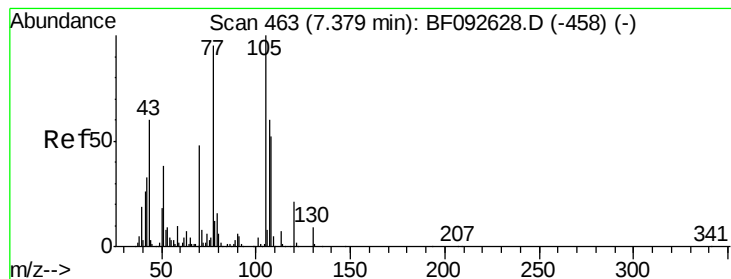


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 17.41 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.08 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

Instrument :

BNA_F

ClientSampleId :

FK-BPM-02-002-ABCD

Tgt Ion: 70 Resp: 165189

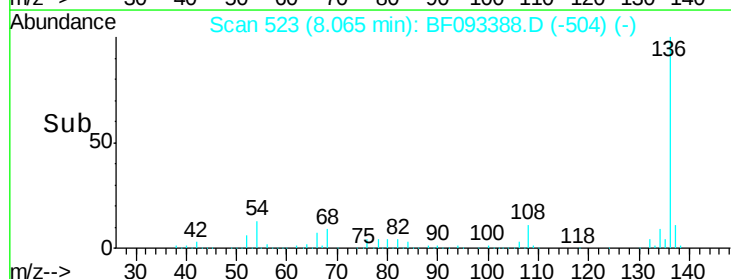
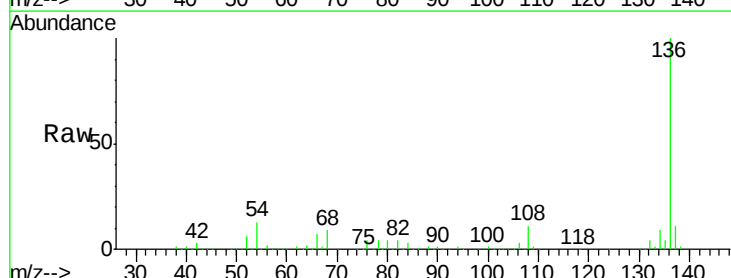
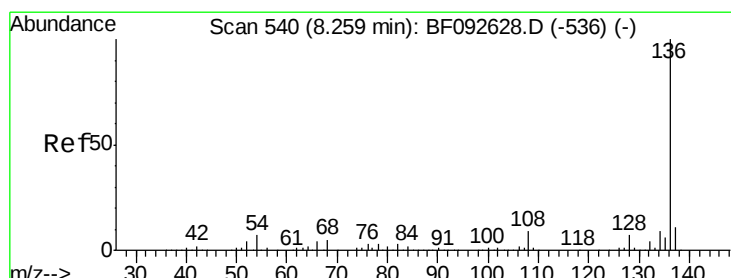
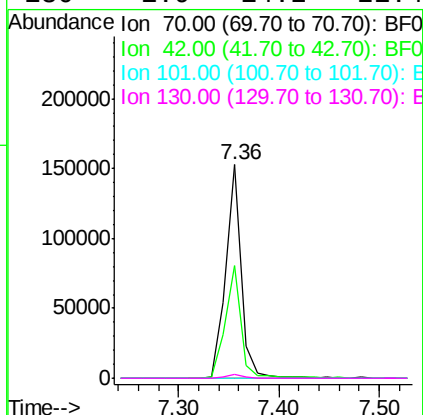
Ion Ratio Lower Upper

70 100

42 52.9 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.08 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

Tgt Ion: 136 Resp: 743535

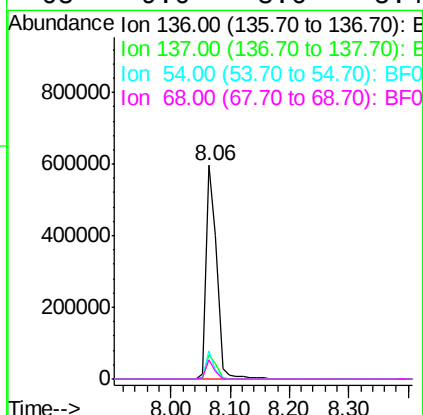
Ion Ratio Lower Upper

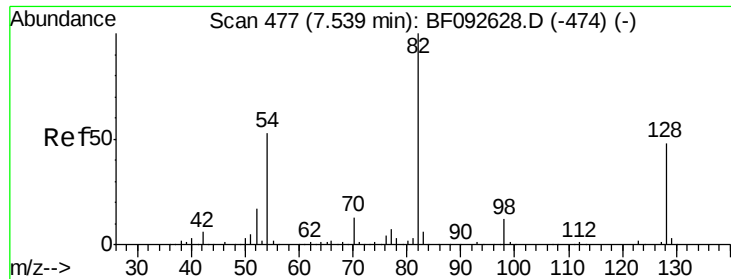
136 100

137 11.4 8.4 12.6

54 13.2 4.5 6.7#

68 9.0 3.6 5.4#

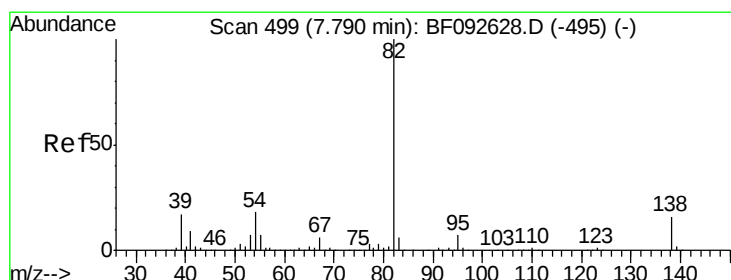
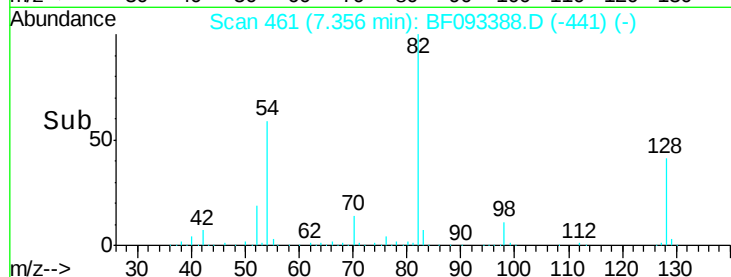
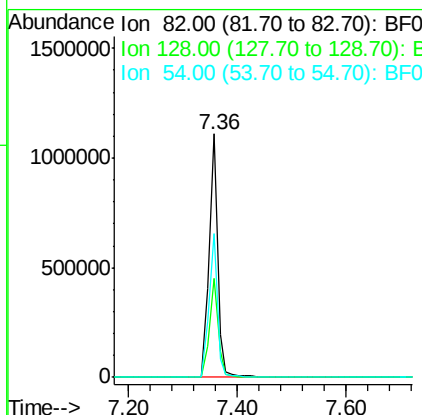
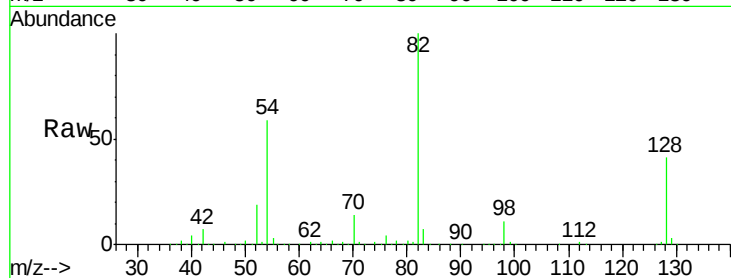




#23
 Nitrobenzene-d5
 Concen: 92.19 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.07 min
 Lab File: BF093388.D
 Acq: 4 Mar 2017 6:38

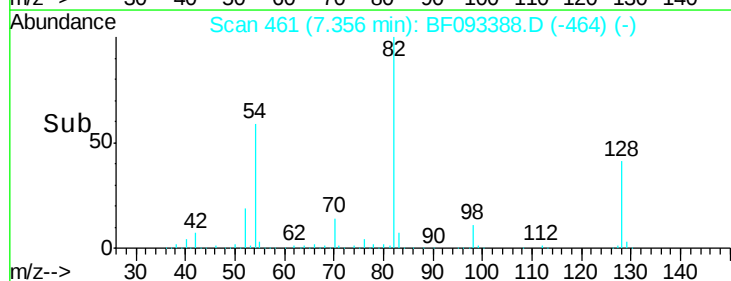
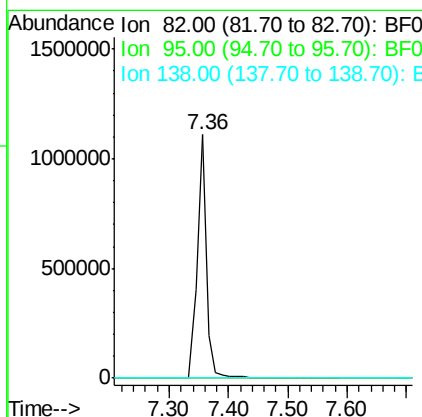
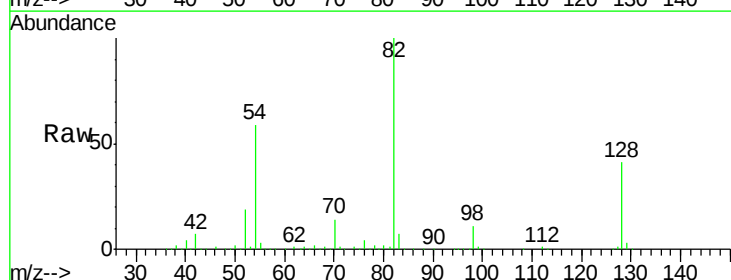
Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-02-002-ABCD

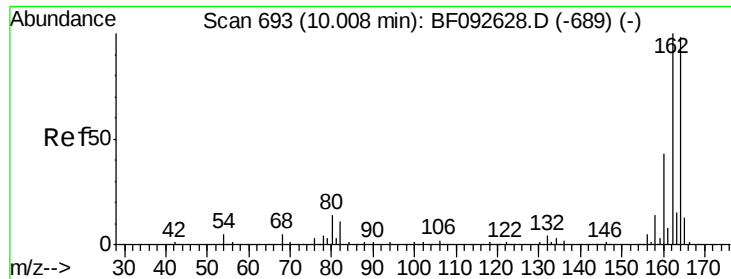
Tgt Ion: 82 Resp: 1230967
 Ion Ratio Lower Upper
 82 100
 128 40.8 34.6 52.0
 54 59.3 39.5 59.3#



#25
 Isophorone
 Concen: 49.08 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.33 min
 Lab File: BF093388.D
 Acq: 4 Mar 2017 6:38

Tgt Ion: 82 Resp: 1221173
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#

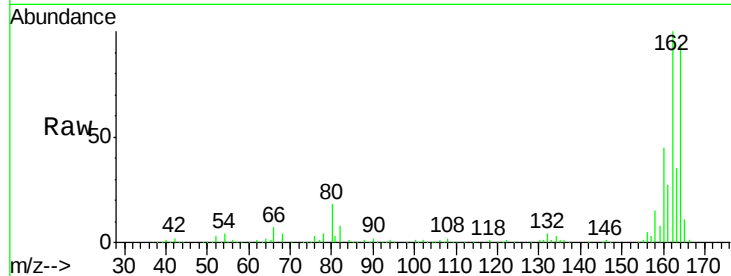




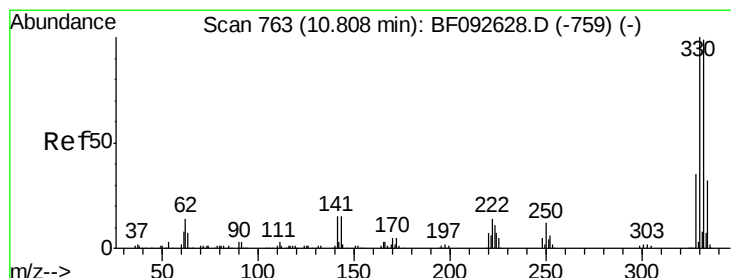
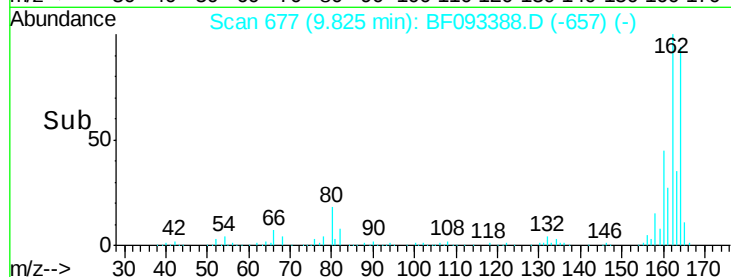
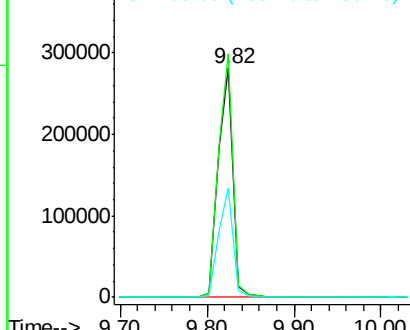
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.07 min
 Lab File: BF093388.D
 Acq: 4 Mar 2017 6:38

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-02-002-ABCD

Tgt Ion:164 Resp: 339239
 Ion Ratio Lower Upper
 164 100
 162 106.2 80.2 120.2
 160 47.8 36.9 55.3

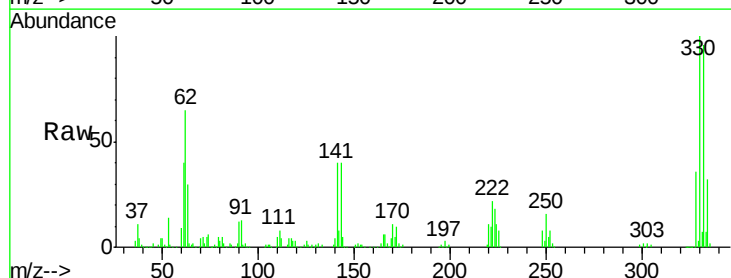


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

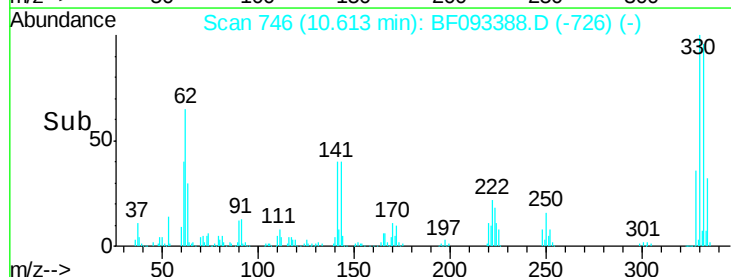
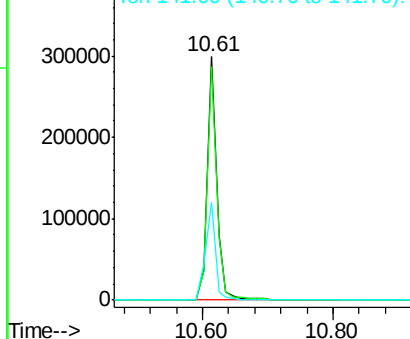


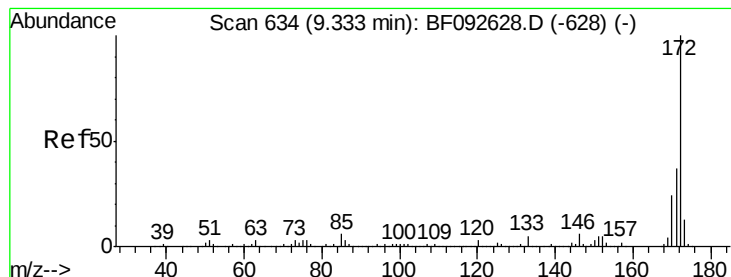
#41
 2,4,6-Tribromophenol
 Concen: 124.17 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.07 min
 Lab File: BF093388.D
 Acq: 4 Mar 2017 6:38

Tgt Ion:330 Resp: 304651
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.4 116.2
 141 41.6 34.1 51.1



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: 108.54 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.07 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

Instrument :

BNA_F

ClientSampleId :

FK-BPM-02-002-ABCD

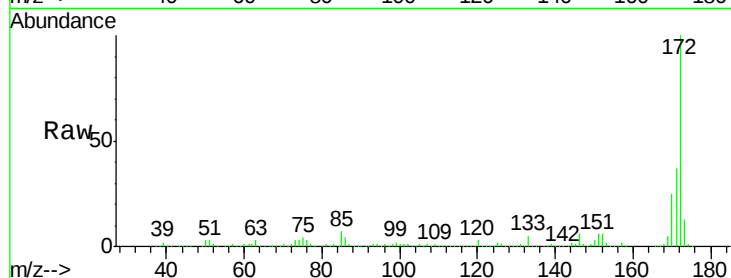
Tgt Ion:172 Resp: 2032428

Ion Ratio Lower Upper

172 100

171 37.2 29.4 44.0

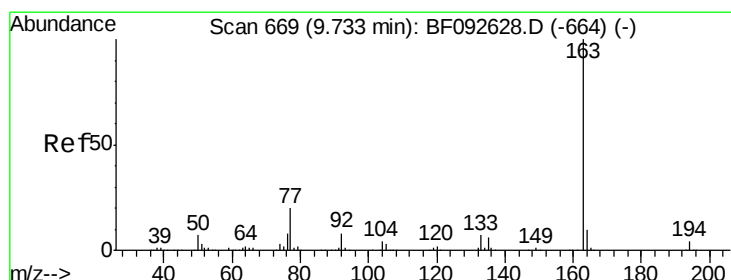
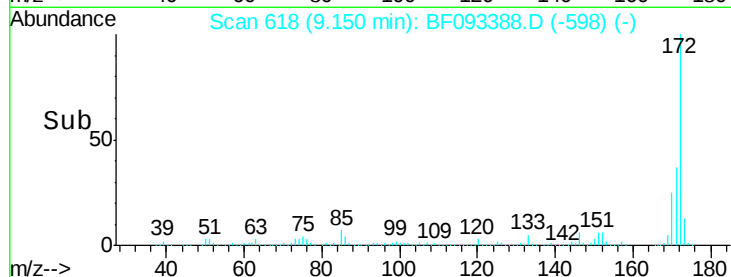
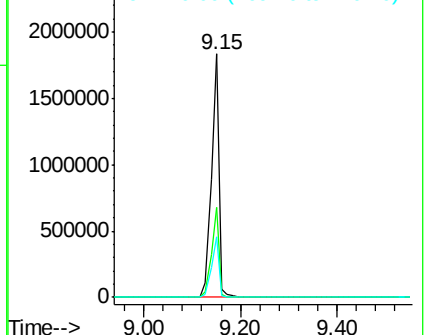
170 24.6 20.2 30.4



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: 3.23 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.08 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

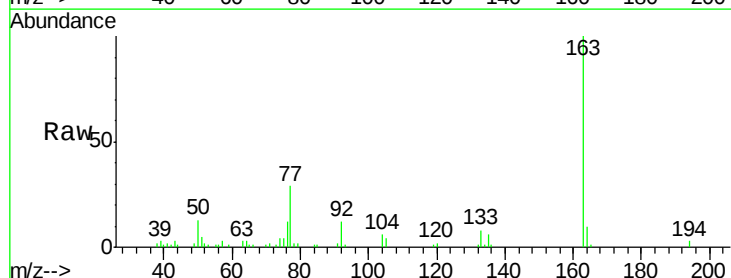
Tgt Ion:163 Resp: 73719

Ion Ratio Lower Upper

163 100

194 3.2 3.0 4.4

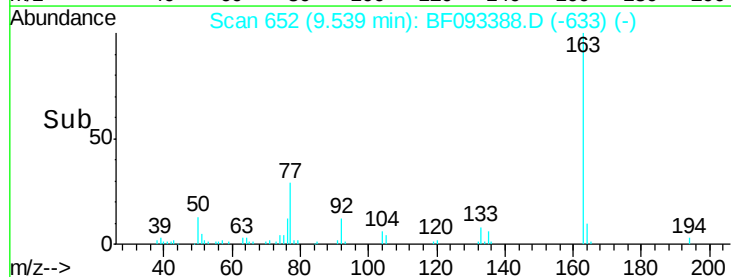
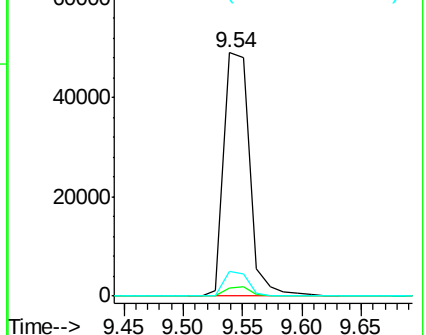
164 10.3 8.0 12.0

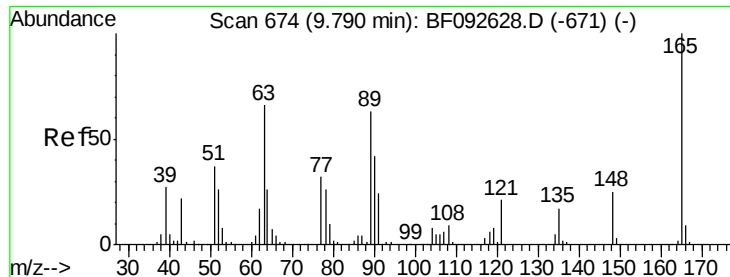


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 8.60 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.14 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

Instrument :

BNA_F

ClientSampleId :

FK-BPM-02-002-ABCD

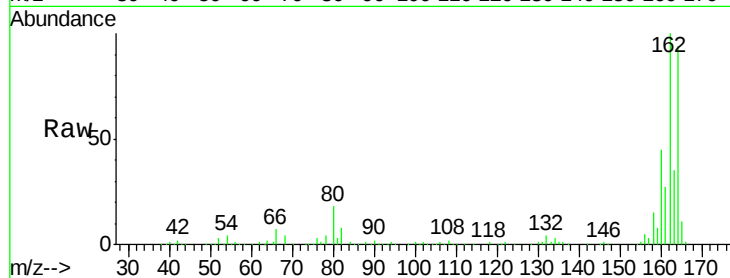
Tgt Ion:165 Resp: 42441

Ion Ratio Lower Upper

165 100

63 1.5 36.2 54.4#

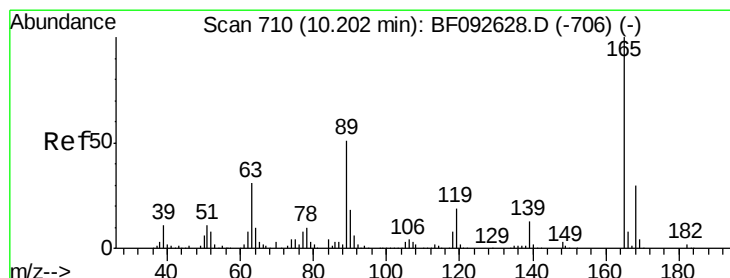
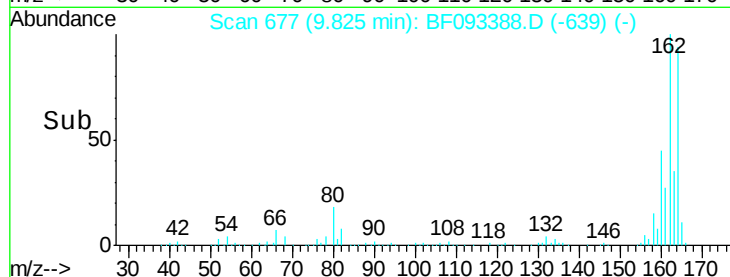
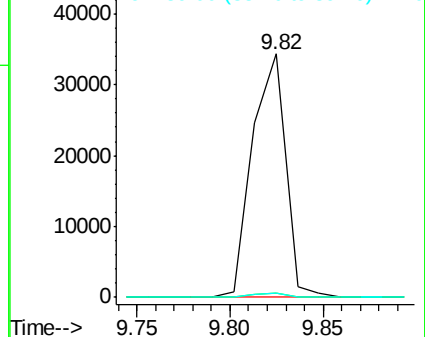
89 1.6 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.46 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.26 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

Tgt Ion:165 Resp: 42443

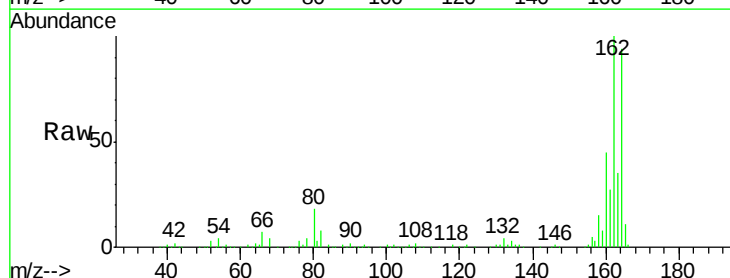
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 1.6 62.5 93.7#

182 0.0 1.8 2.8#

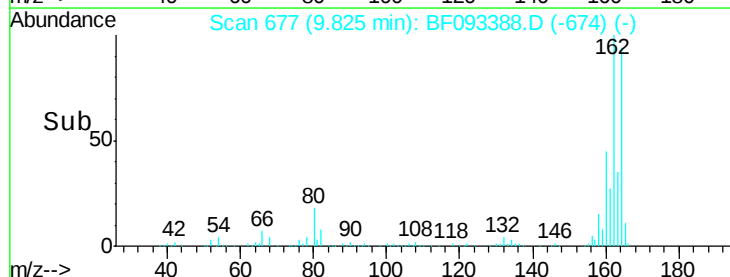
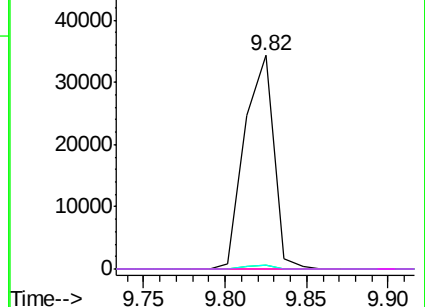


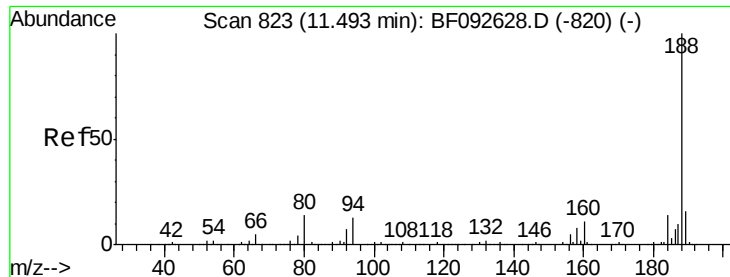
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

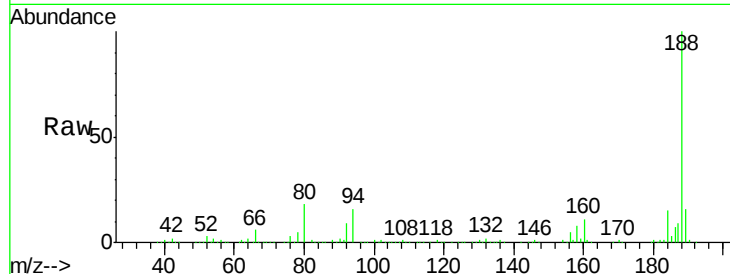




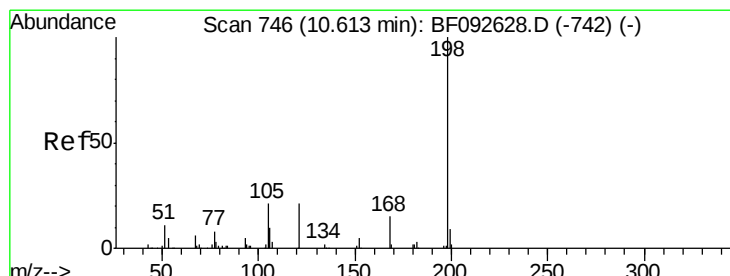
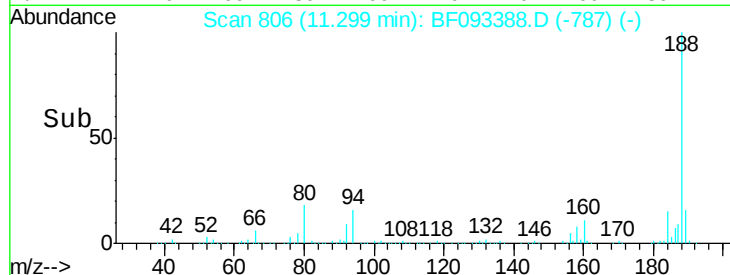
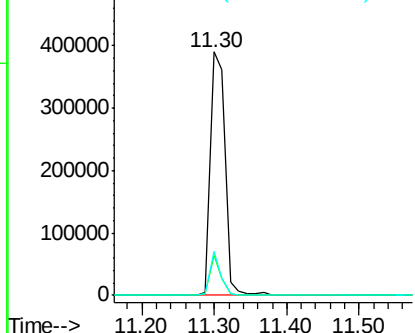
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.08 min
Lab File: BF093388.D
Acq: 4 Mar 2017 6:38

Instrument :
BNA_F
ClientSampleId :
FK-BPM-02-002-ABCD

Tgt Ion:188 Resp: 550915
Ion Ratio Lower Upper
188 100
94 16.4 10.0 15.0#
80 17.9 11.2 16.8#

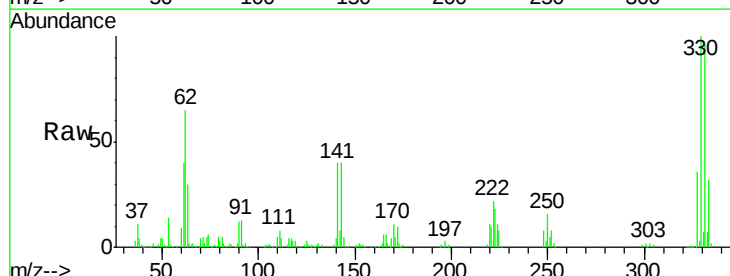


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

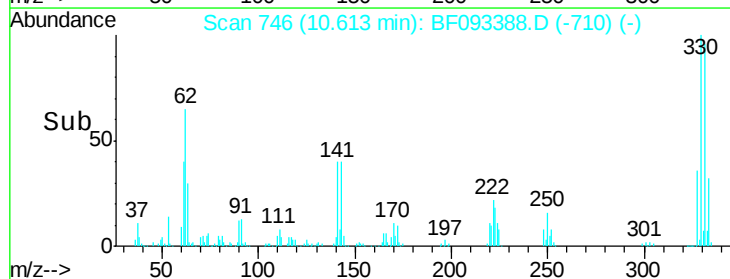
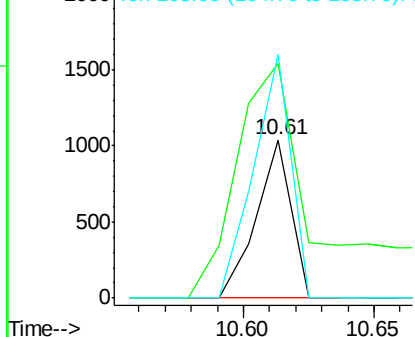


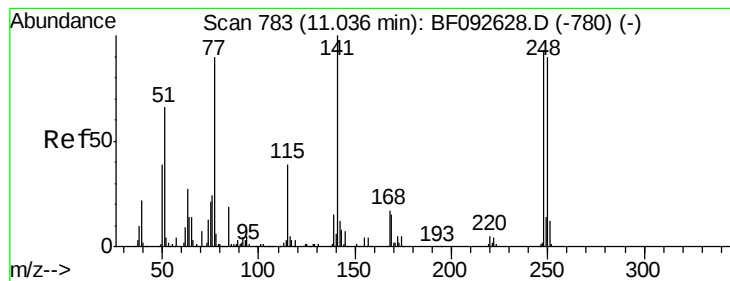
#64
4,6-Dinitro-2-methylphenol
Concen: 2.94 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.11 min
Lab File: BF093388.D
Acq: 4 Mar 2017 6:38

Tgt Ion:198 Resp: 959
Ion Ratio Lower Upper
198 100
51 148.5 6.7 46.7#
105 153.7 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.93 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.31 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

Instrument :

BNA_F

ClientSampleId :

FK-BPM-02-002-ABCD

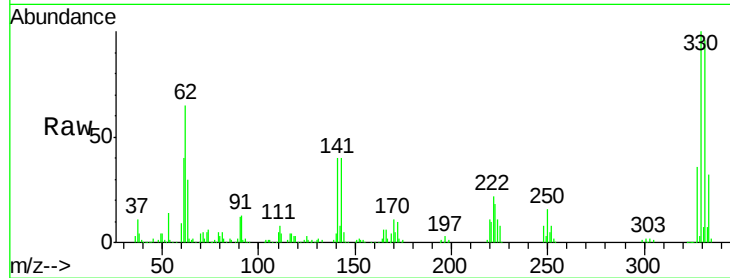
Tgt Ion:248 Resp: 22598

Ion Ratio Lower Upper

248 100

250 201.5 76.9 115.3#

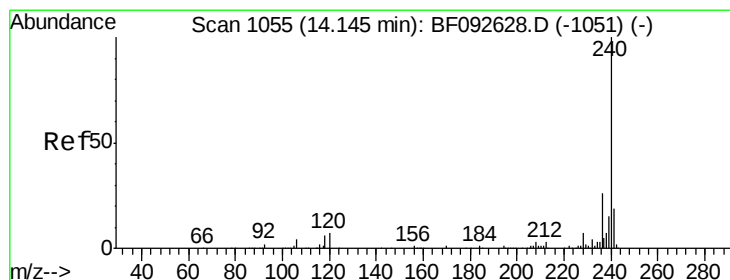
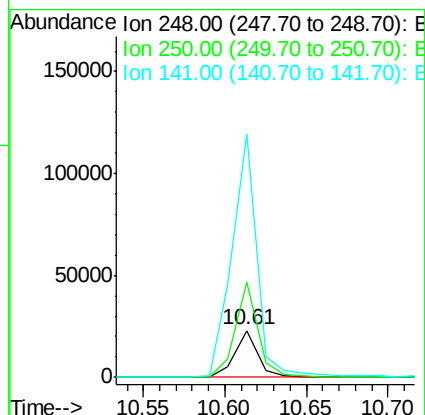
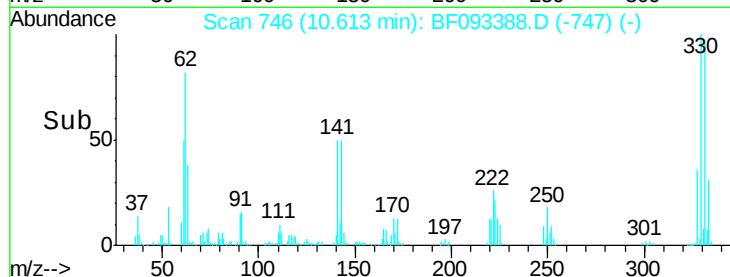
141 516.9 68.2 102.4#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.08 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

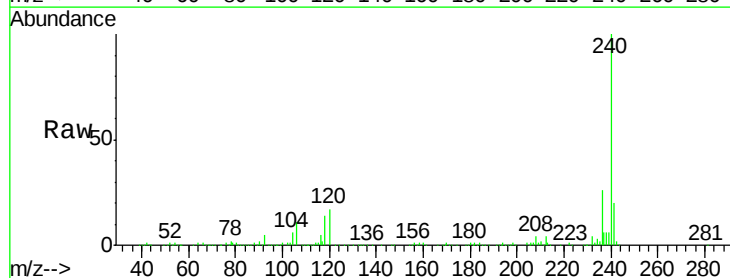
Tgt Ion:240 Resp: 361261

Ion Ratio Lower Upper

240 100

120 17.4 12.9 19.3

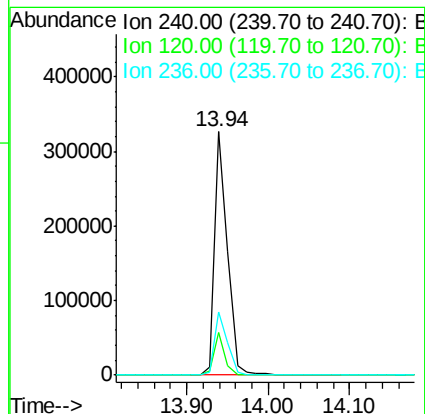
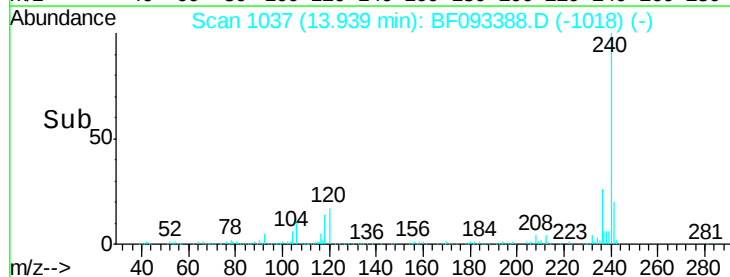
236 25.9 20.9 31.3

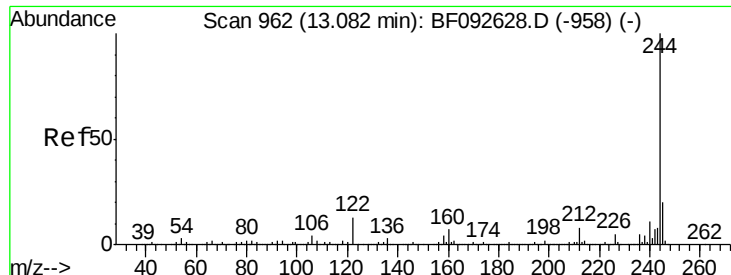


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.97 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.08 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

Instrument :

BNA_F

ClientSampleId :

FK-BPM-02-002-ABCD

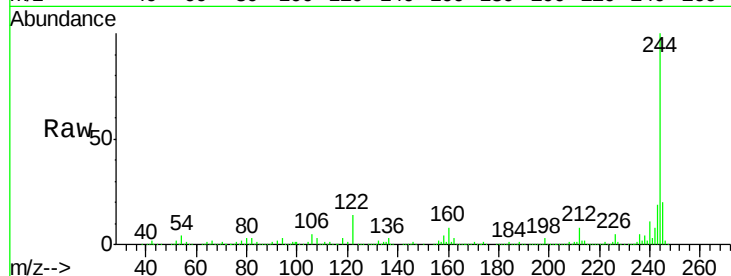
Tgt Ion:244 Resp: 1244877

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

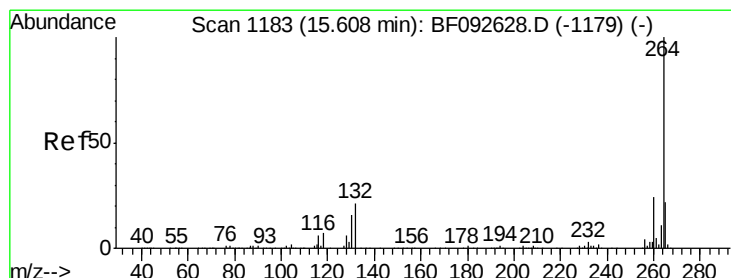
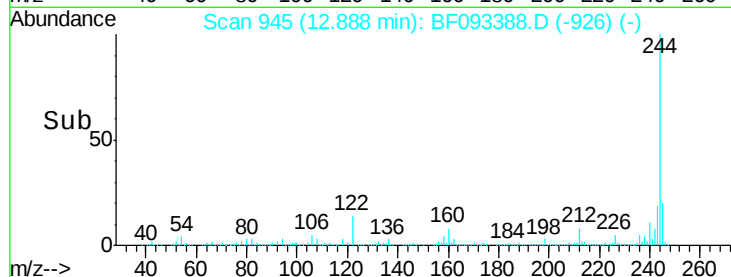
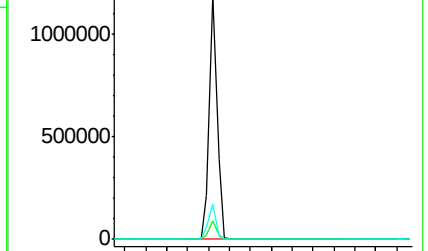
122 14.2 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.09 min

Lab File: BF093388.D

Acq: 4 Mar 2017 6:38

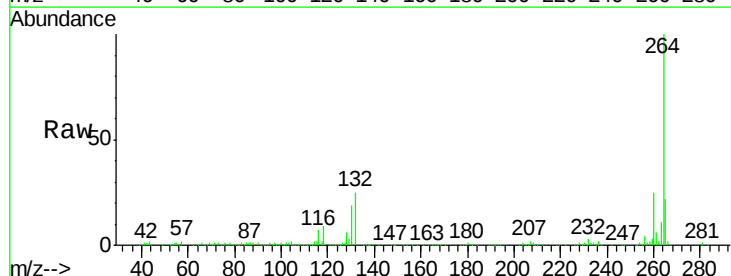
Tgt Ion:264 Resp: 332800

Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

265 21.5 17.4 26.0



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

