

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030117\
 Data File : BF093301.D
 Acq On : 1 Mar 2017 20:43
 Operator : SJ/MA
 Sample : I2033-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-002-A

Quant Time: Mar 02 00:05:15 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

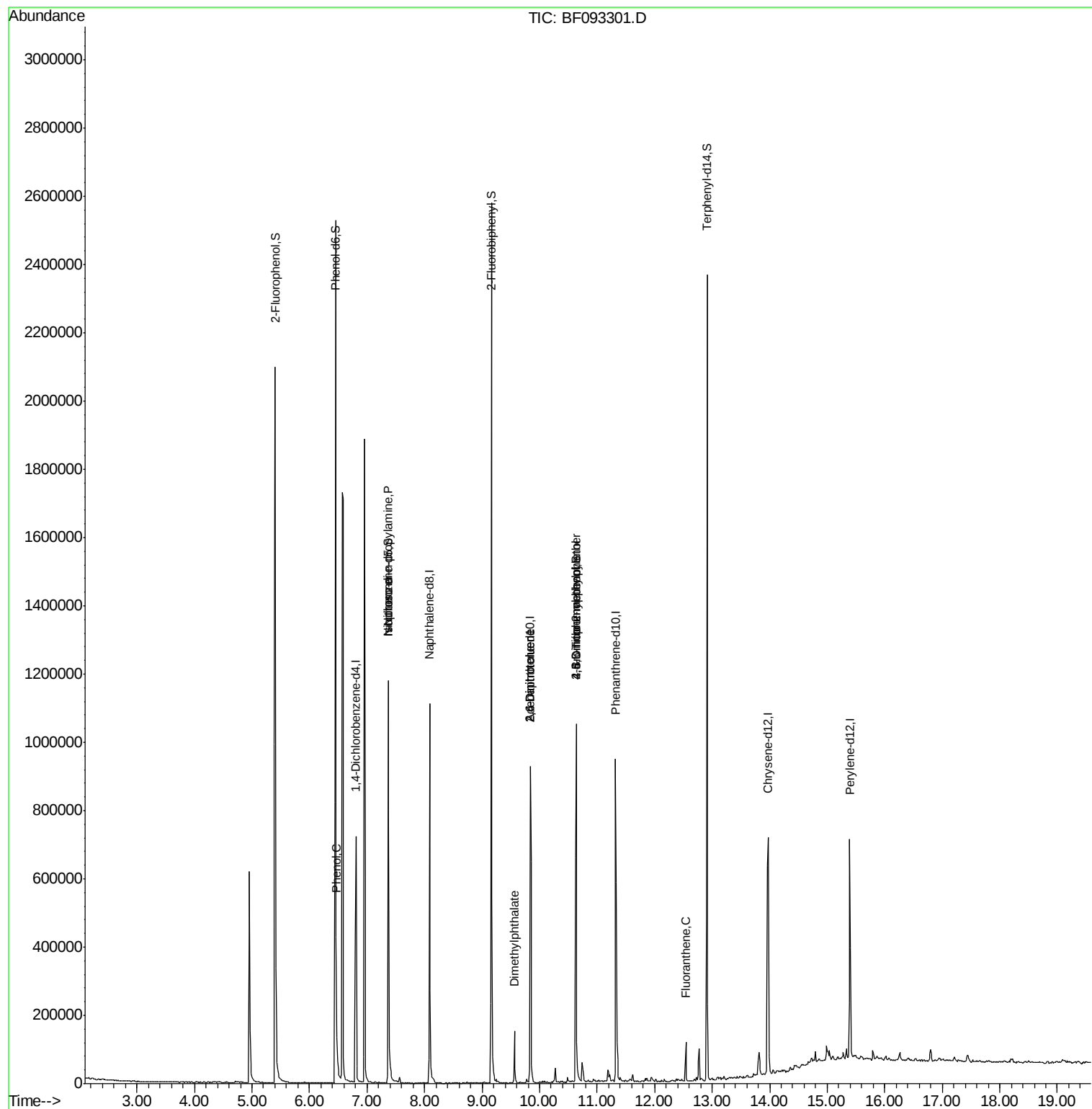
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	137157	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	535097	20.00	ng	-0.06
38) Acenaphthene-d10	9.84	164	247238	20.00	ng	-0.06
63) Phenanthrene-d10	11.32	188	439613	20.00	ng	-0.06
75) Chrysene-d12	13.97	240	332976	20.00	ng	-0.05
86) Perylene-d12	15.39	264	272333	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	702371	87.86	ng	-0.05
7) Phenol-d6	6.45	99	931132	90.52	ng	-0.03
23) Nitrobenzene-d5	7.37	82	534132	55.59	ng	-0.06
41) 2,4,6-Tribromophenol	10.64	330	153736	85.97	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	820893	60.15	ng	-0.06
78) Terphenyl-d14	12.91	244	675299	47.65	ng	-0.06
Target Compounds						
10) Phenol	6.46	94	61232	5.09	ng	# 75
19) n-Nitroso-di-n-propylamine	7.37	70	68532	10.47	ng	# 87
25) Isophorone	7.37	82	529817	29.59	ng	# 65
49) Dimethylphthalate	9.56	163	68225	4.10	ng	# 99
50) 2,6-Dinitrotoluene	9.84	165	31622	8.79	ng	# 31
56) 2,4-Dinitrotoluene	9.84	165	31623	6.60	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.64	198	343	2.79	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	11121	2.42	ng	# 1
74) Fluoranthene	12.54	202	54763	2.11	ng	93

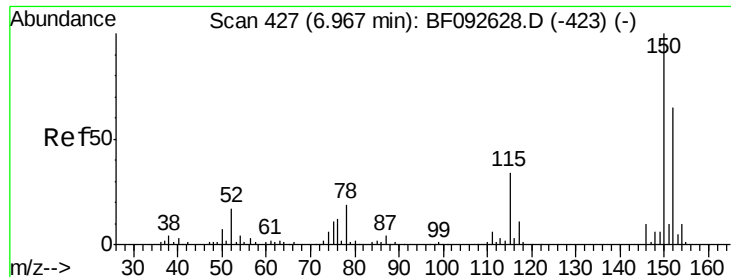
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF093301.D

Acq: 1 Mar 2017 20:43

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-002-A

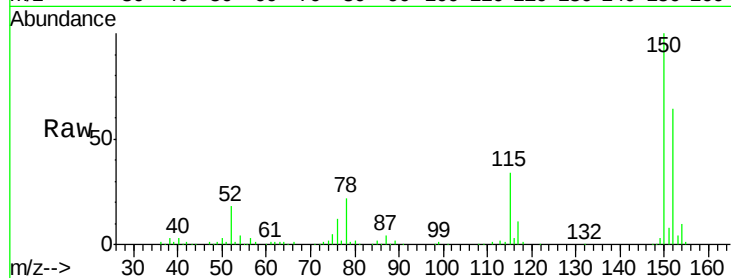
Tgt Ion:152 Resp: 137157

Ion Ratio Lower Upper

152 100

150 155.5 124.9 187.3

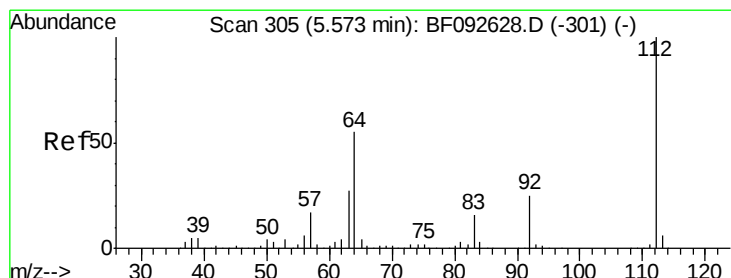
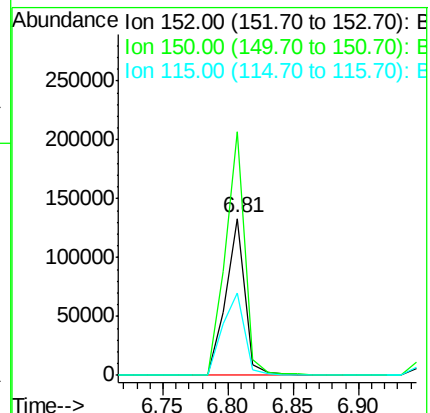
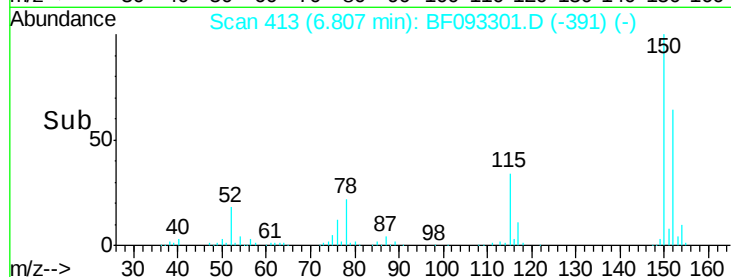
115 52.7 46.0 69.0



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: 87.86 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.05 min

Lab File: BF093301.D

Acq: 1 Mar 2017 20:43

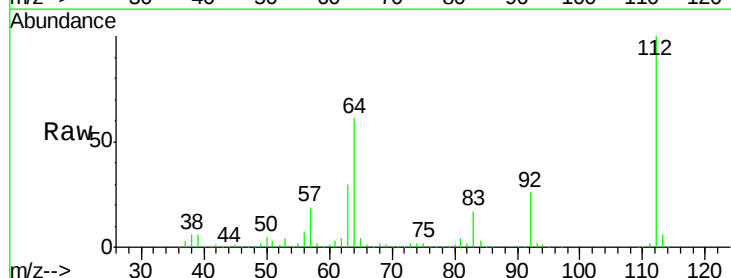
Tgt Ion:112 Resp: 702371

Ion Ratio Lower Upper

112 100

64 60.8 46.1 69.1

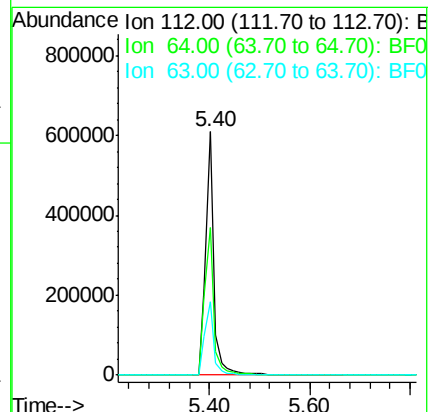
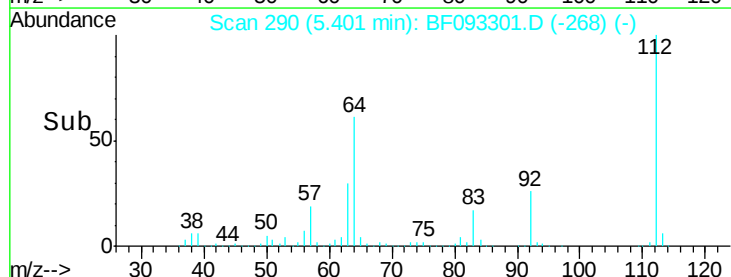
63 30.3 23.8 35.6

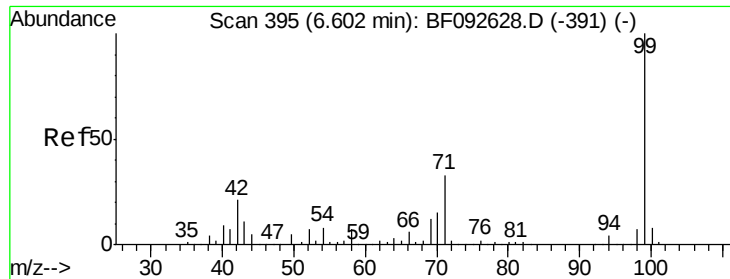


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 90.52 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093301.D

Acq: 1 Mar 2017 20:43

Instrument :

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ClientSampleId :

FK-GF-03-002-A

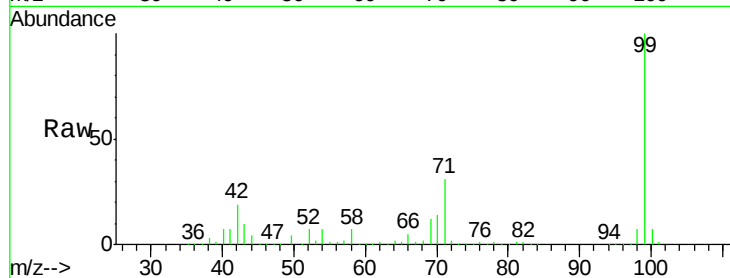
Tgt Ion: 99 Resp: 931132

Ion Ratio Lower Upper

99 100

42 19.2 15.6 23.4

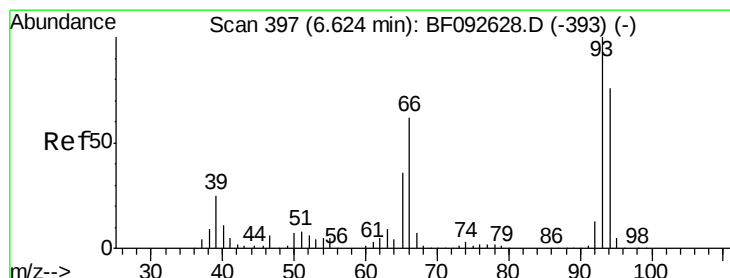
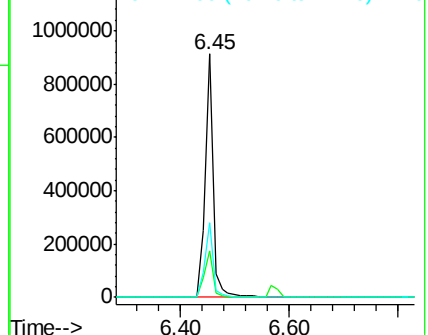
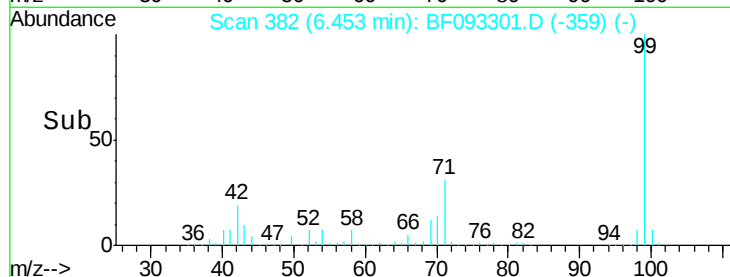
71 30.6 27.5 41.3



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: 5.09 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093301.D

Acq: 1 Mar 2017 20:43

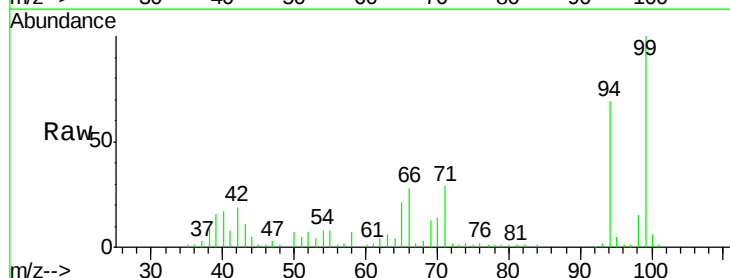
Tgt Ion: 94 Resp: 61232

Ion Ratio Lower Upper

94 100

65 29.9 21.4 61.4

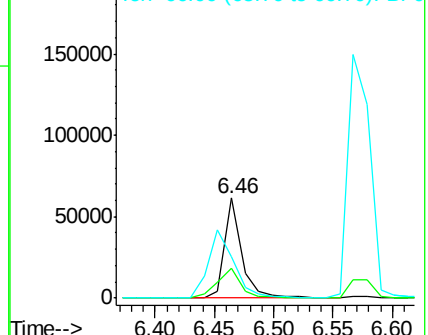
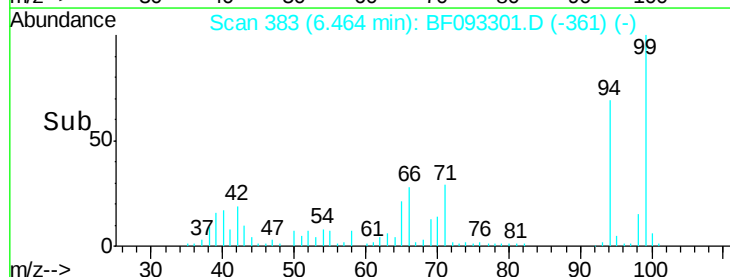
66 40.9 44.0 84.0#

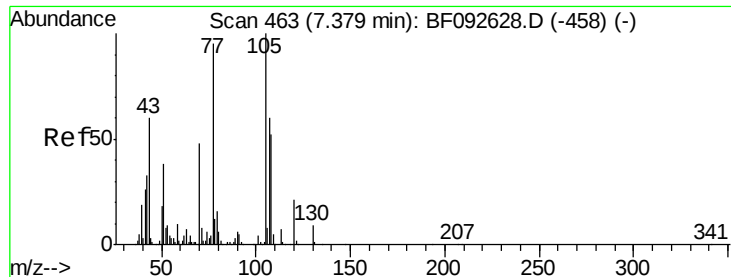


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

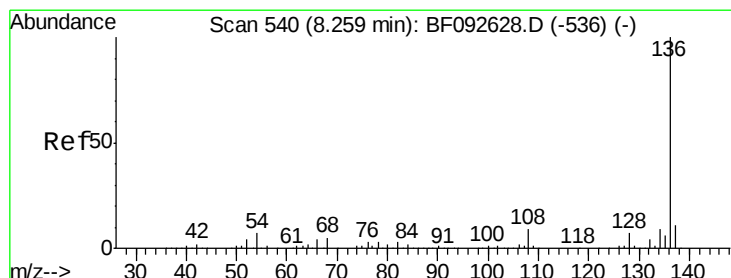
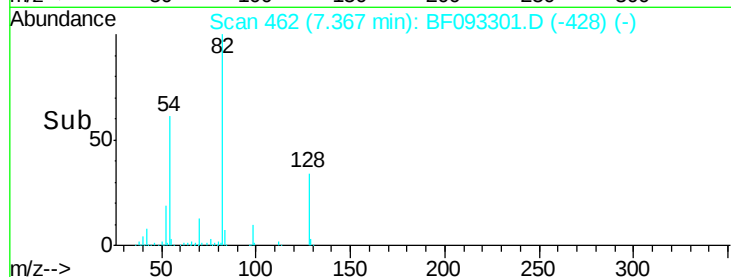
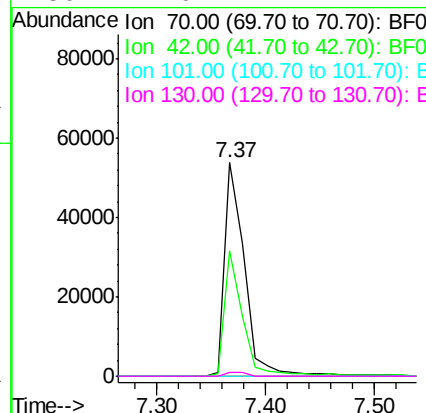
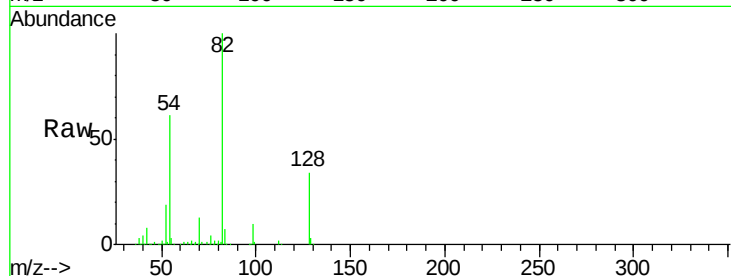




#19
n-Nitroso-di-n-propylamine
Concen: 10.47 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.09 min
Lab File: BF093301.D
Acq: 1 Mar 2017 20:43

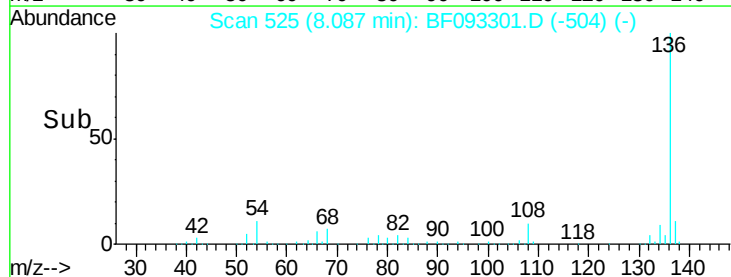
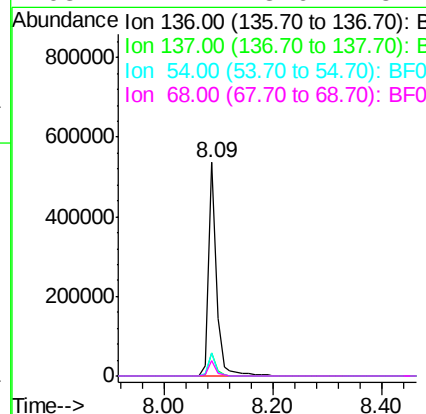
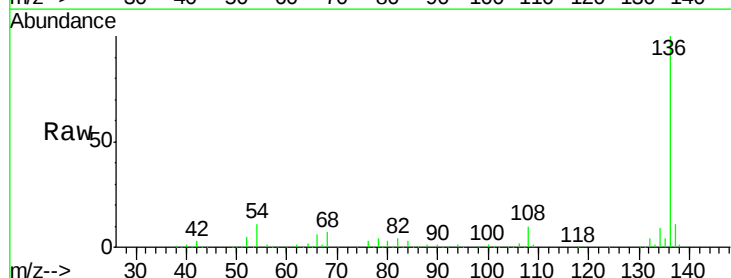
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-002-A

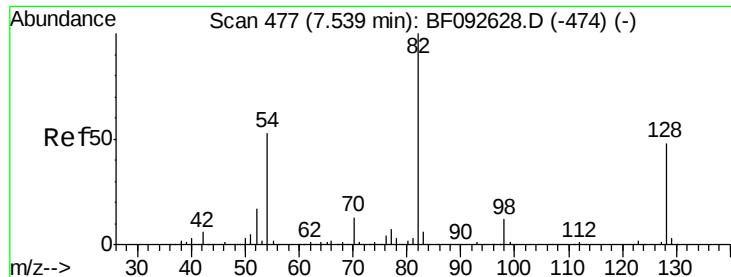
Tgt Ion: 70 Resp: 68532
Ion Ratio Lower Upper
70 100
42 58.8 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093301.D
Acq: 1 Mar 2017 20:43

Tgt Ion: 136 Resp: 535097
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 10.8 4.5 6.7#
68 7.4 3.6 5.4#

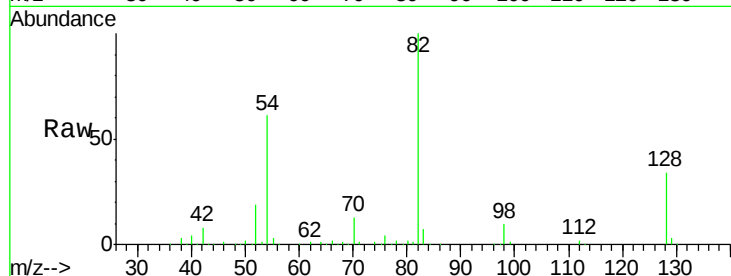




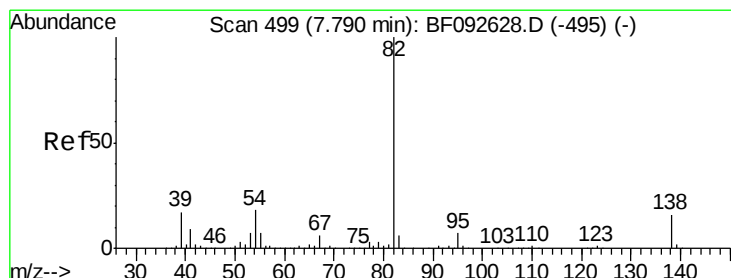
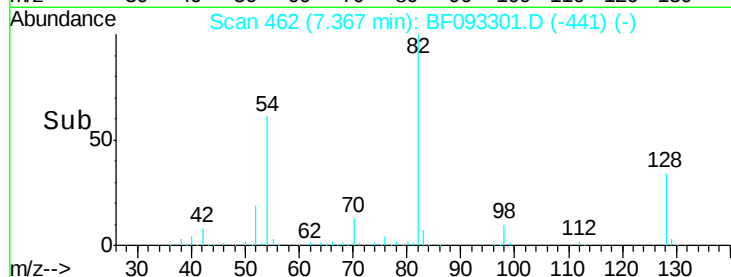
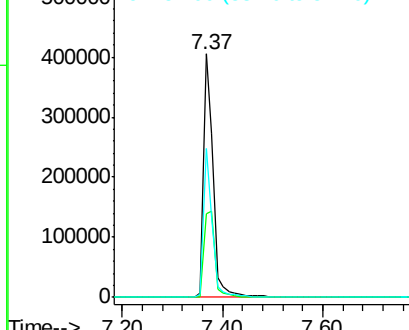
#23
 Nitrobenzene-d5
 Concen: 55.59 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.06 min
 Lab File: BF093301.D
 Acq: 1 Mar 2017 20:43

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-002-A

Tgt Ion: 82 Resp: 534132
 Ion Ratio Lower Upper
 82 100
 128 34.4 34.6 52.0#
 54 60.9 39.5 59.3#

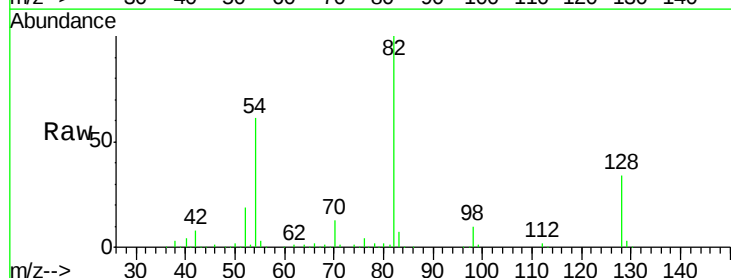


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

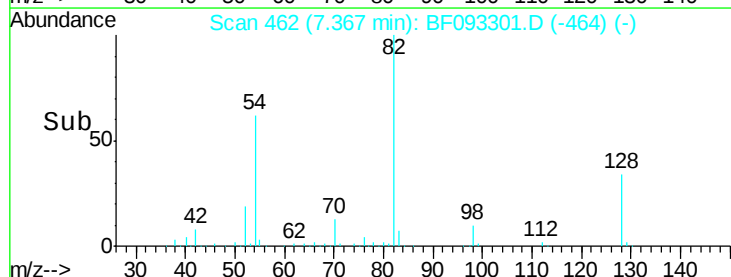
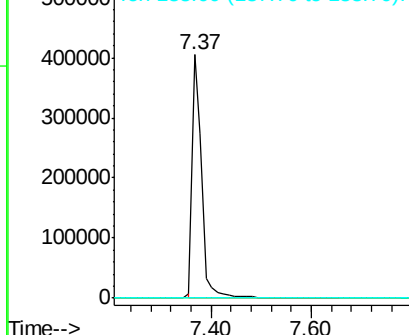


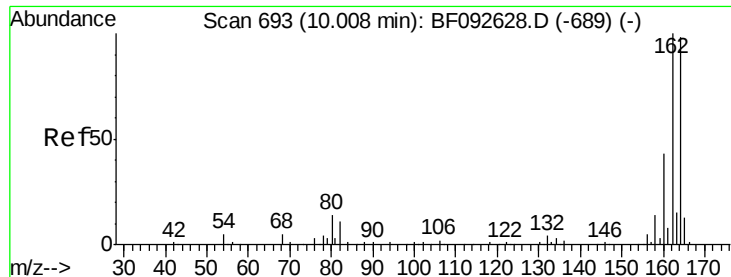
#25
 Isophorone
 Concen: 29.59 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.32 min
 Lab File: BF093301.D
 Acq: 1 Mar 2017 20:43

Tgt Ion: 82 Resp: 529817
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.06 min

Lab File: BF093301.D

Acq: 1 Mar 2017 20:43

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-002-A

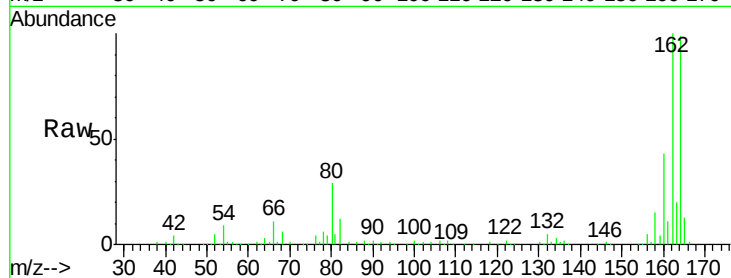
Tgt Ion:164 Resp: 247238

Ion Ratio Lower Upper

164 100

162 100.7 80.2 120.2

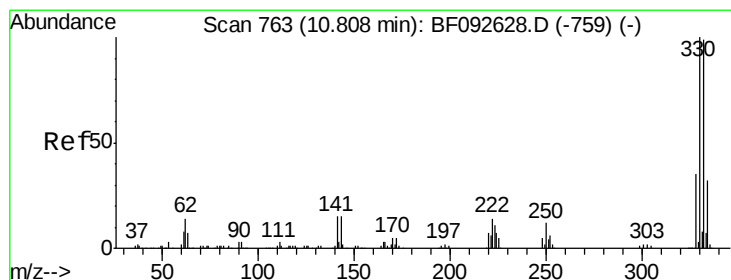
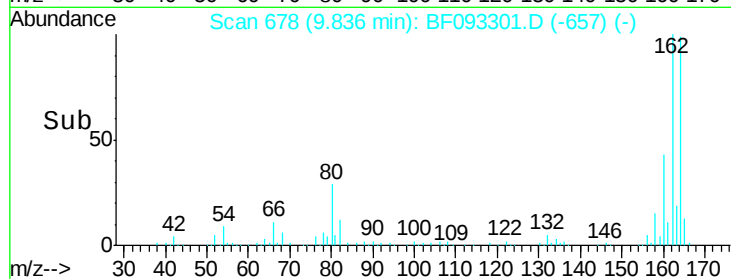
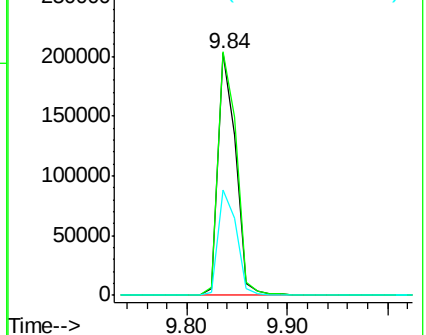
160 43.5 36.9 55.3



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: 85.97 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.05 min

Lab File: BF093301.D

Acq: 1 Mar 2017 20:43

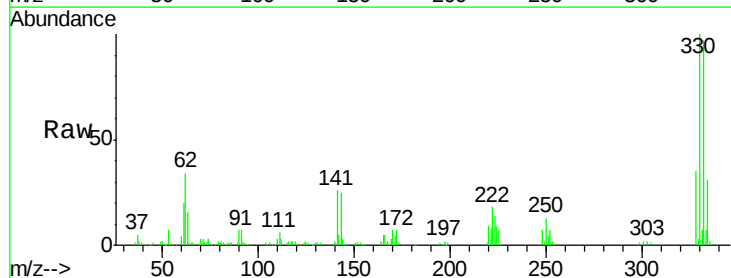
Tgt Ion:330 Resp: 153736

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

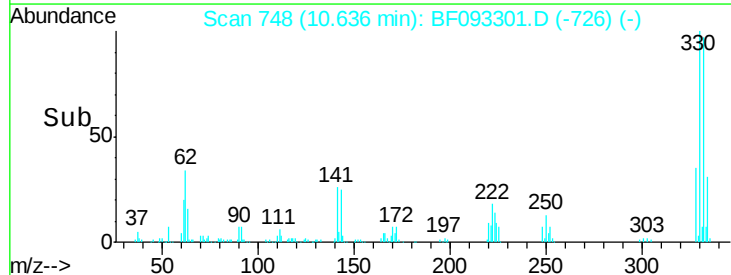
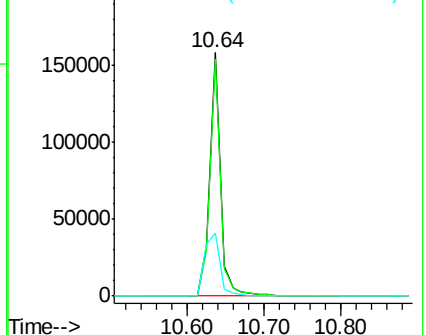
141 37.1 34.1 51.1

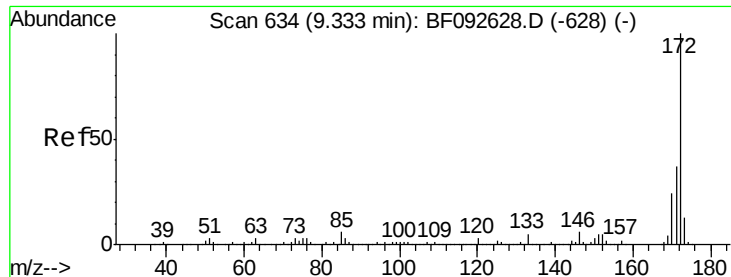


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

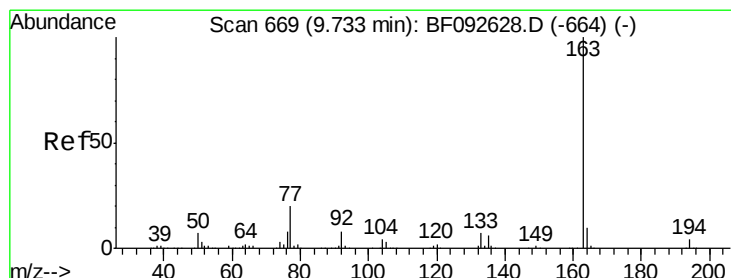
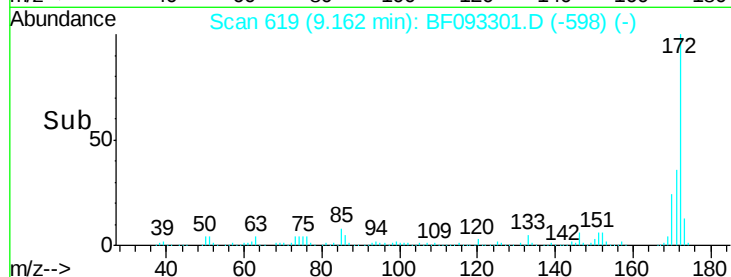
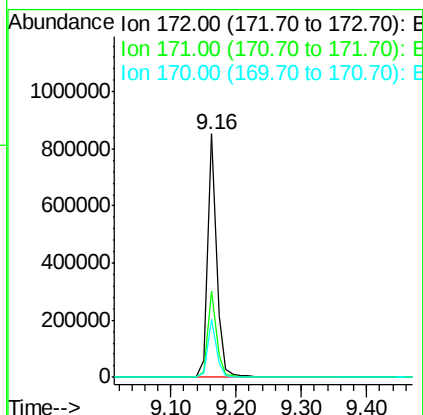
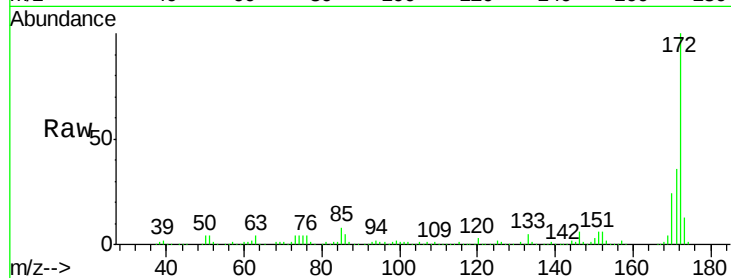




#44
 2-Fluorobiphenyl
 Concen: 60.15 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.06 min
 Lab File: BF093301.D
 Acq: 1 Mar 2017 20:43

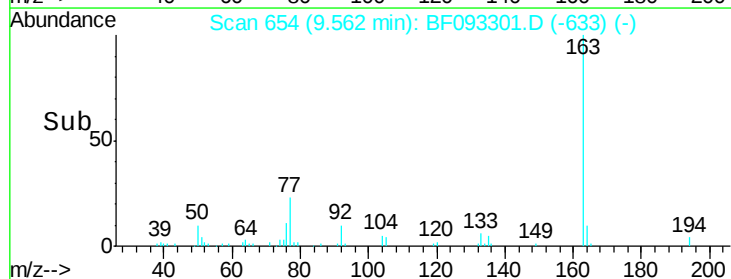
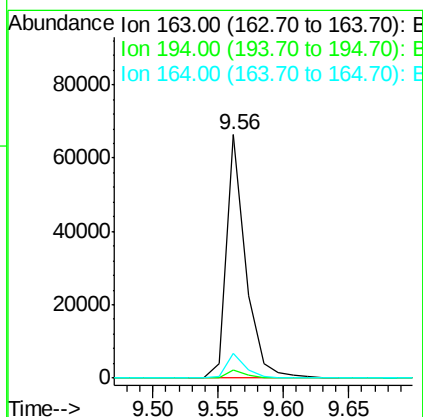
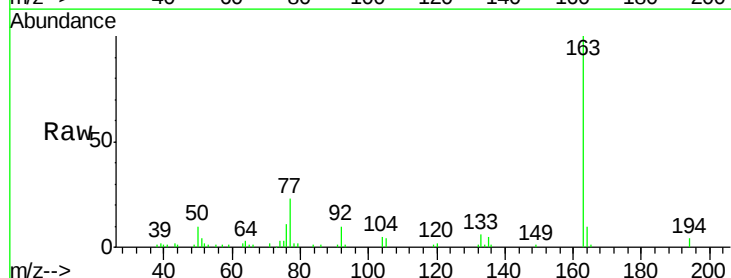
Instrument :
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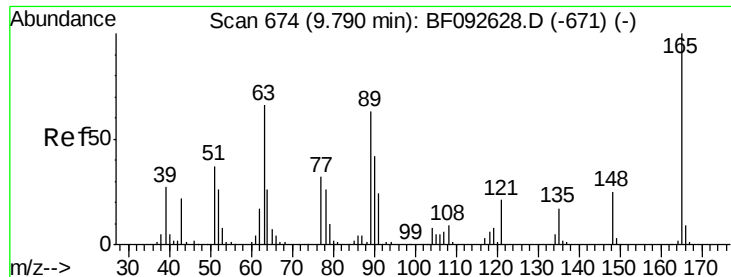
Tgt Ion:172 Resp: 820893
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.0
 170 24.0 20.2 30.4



#49
 Dimethylphthalate
 Concen: 4.10 ng
 RT: 9.56 min Scan# 654
 Delta R.T. -0.06 min
 Lab File: BF093301.D
 Acq: 1 Mar 2017 20:43

Tgt Ion:163 Resp: 68225
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.0 4.4
 164 10.2 8.0 12.0

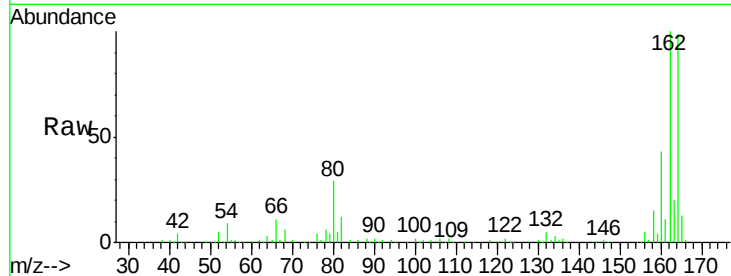




#50
 2,6-Dinitrotoluene
 Concen: 8.79 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.15 min
 Lab File: BF093301.D
 Acq: 1 Mar 2017 20:43

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-002-A

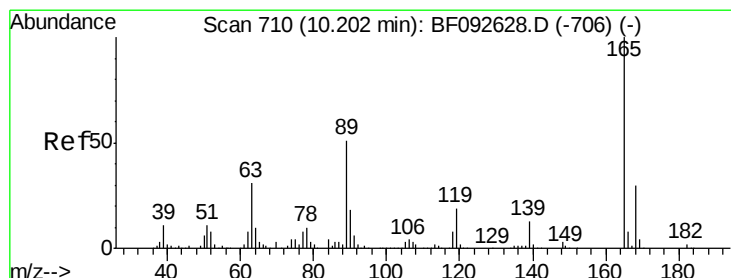
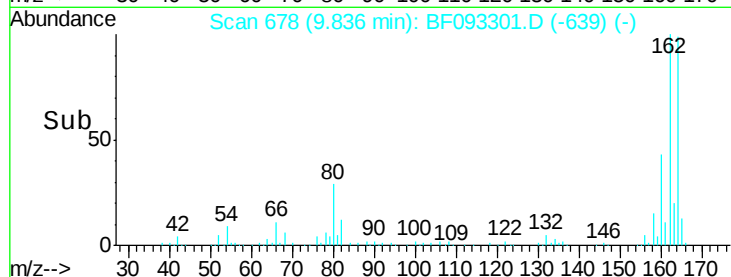
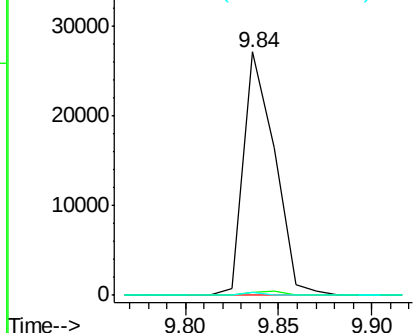
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.2	54.4#
89	1.2	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

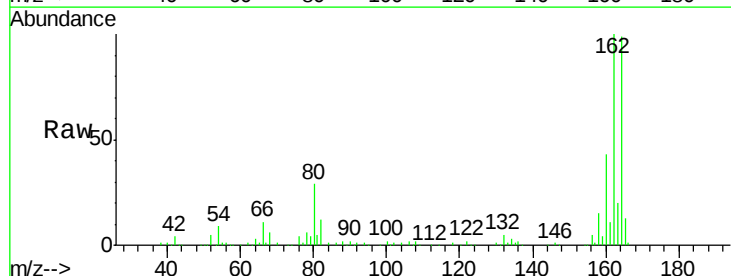
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.60 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.25 min
 Lab File: BF093301.D
 Acq: 1 Mar 2017 20:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	40.2	60.4#
89	1.2	62.5	93.7#
182	0.0	1.8	2.8#

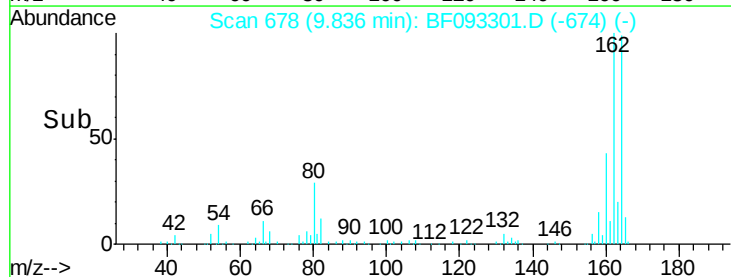
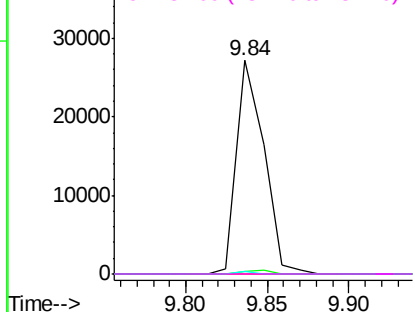


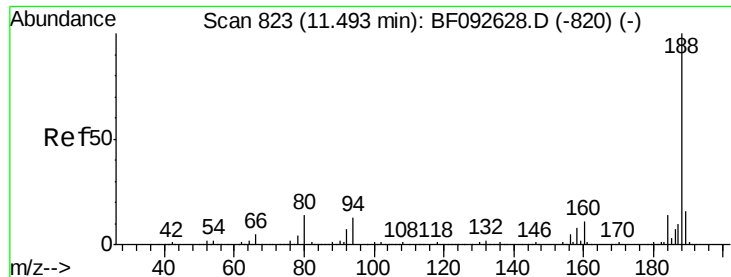
Abundance Ion 165.00 (164.70 to 165.70): E

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

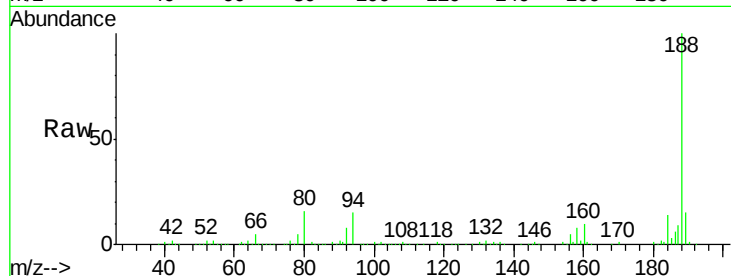




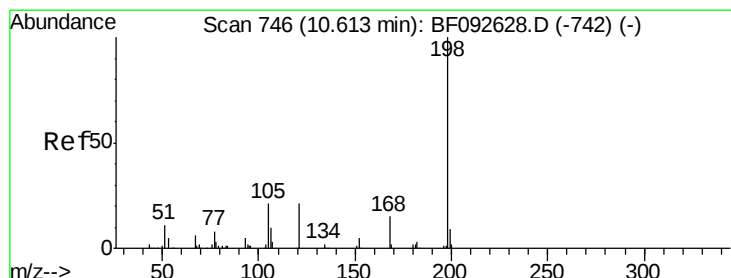
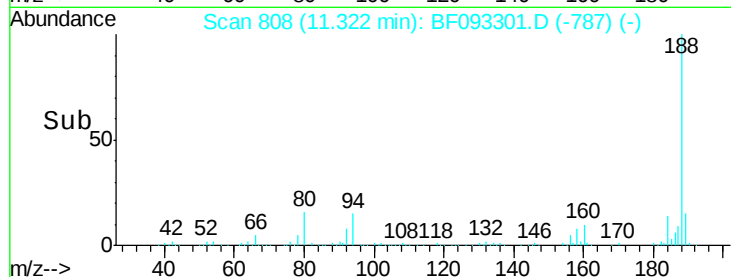
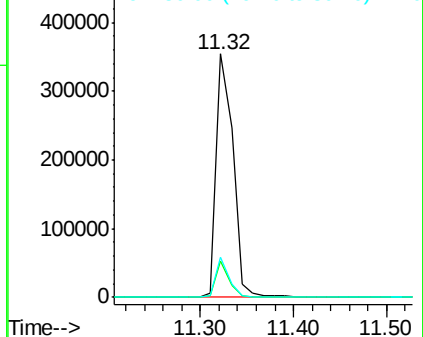
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.06 min
Lab File: BF093301.D
Acq: 1 Mar 2017 20:43

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-002-A

Tgt Ion:188 Resp: 439613
Ion Ratio Lower Upper
188 100
94 14.8 10.0 15.0
80 16.3 11.2 16.8

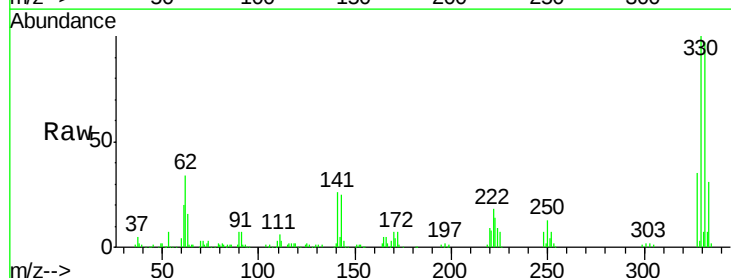


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

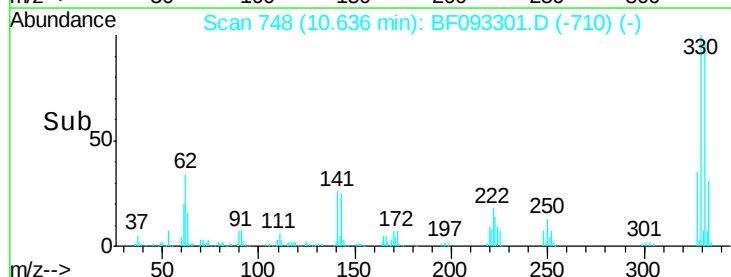
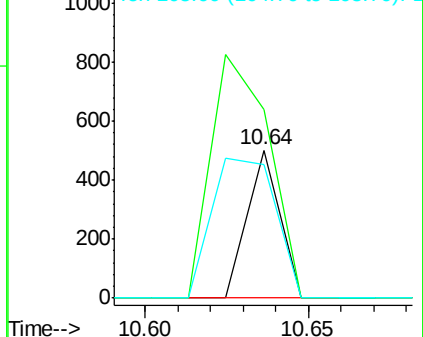


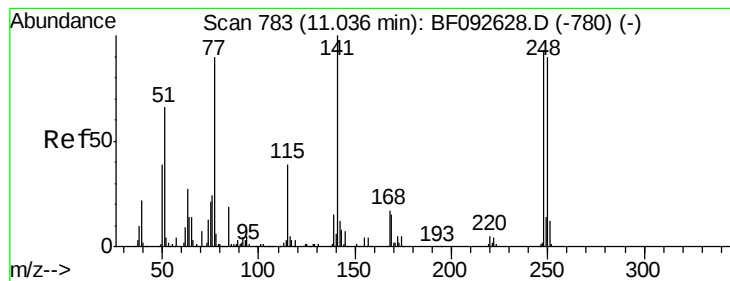
#64
4,6-Dinitro-2-methylphenol
Concen: 2.79 ng
RT: 10.64 min Scan# 748
Delta R.T. 0.14 min
Lab File: BF093301.D
Acq: 1 Mar 2017 20:43

Tgt Ion:198 Resp: 343
Ion Ratio Lower Upper
198 100
51 127.6 6.7 46.7#
105 90.6 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: 2.42 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.29 min

Lab File: BF093301.D

Acq: 1 Mar 2017 20:43

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-002-A

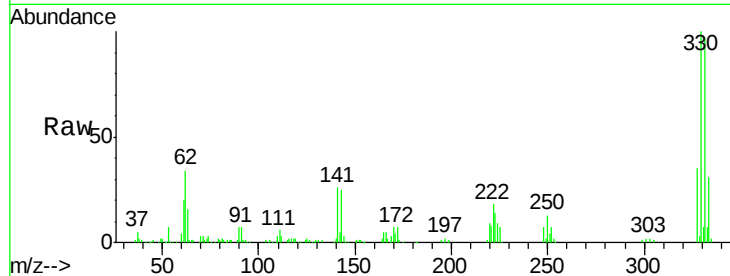
Tgt Ion:248 Resp: 11121

Ion Ratio Lower Upper

248 100

250 205.0 76.9 115.3#

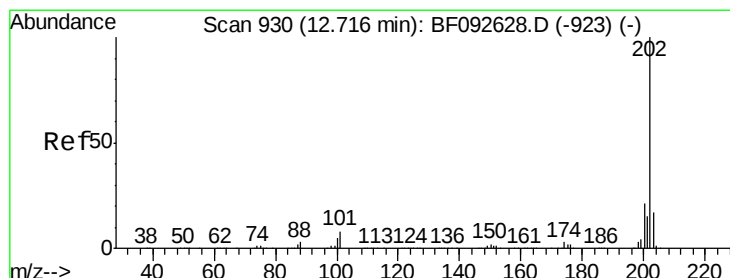
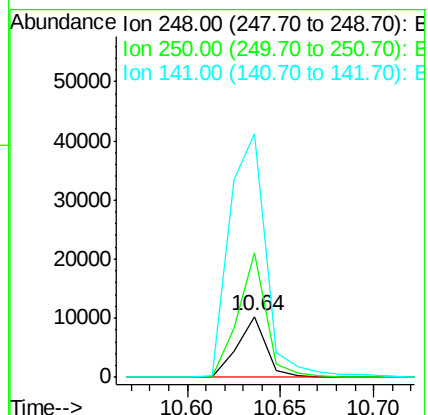
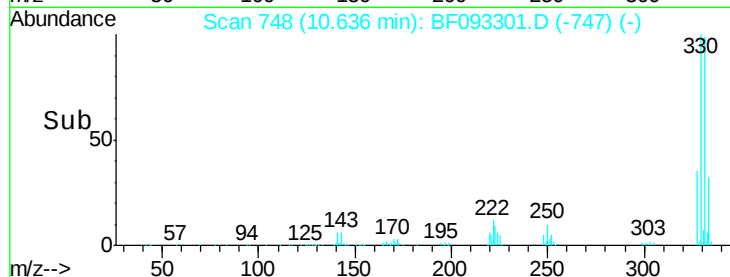
141 399.6 68.2 102.4#



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



#74

Fluoranthene

Concen: 2.11 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093301.D

Acq: 1 Mar 2017 20:43

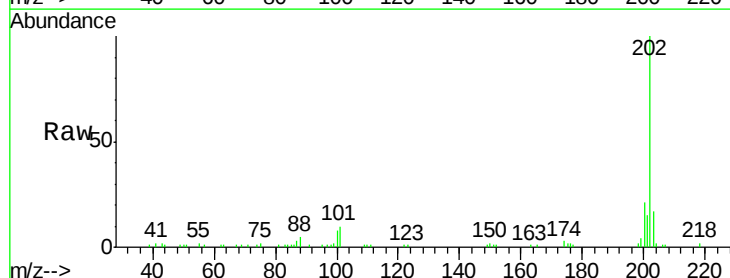
Tgt Ion:202 Resp: 54763

Ion Ratio Lower Upper

202 100

101 9.6 0.0 34.6

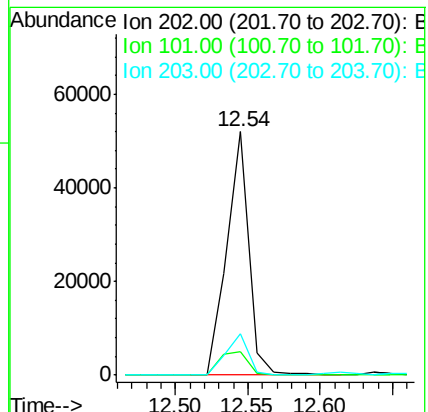
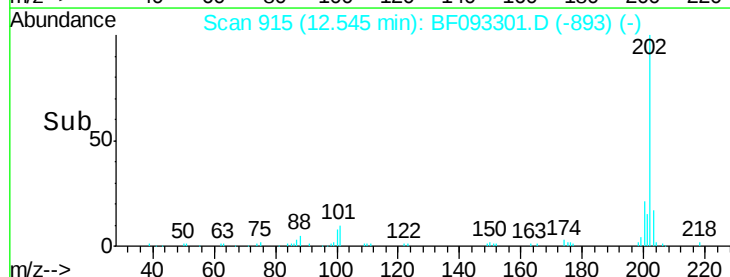
203 17.1 0.0 38.7

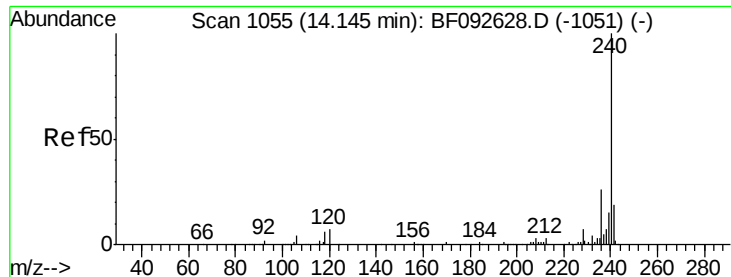


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093301.D

Acq: 1 Mar 2017 20:43

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-002-A

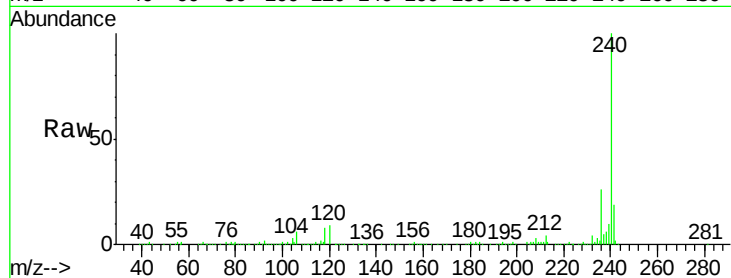
Tgt Ion:240 Resp: 332976

Ion Ratio Lower Upper

240 100

120 8.7 12.9 19.3#

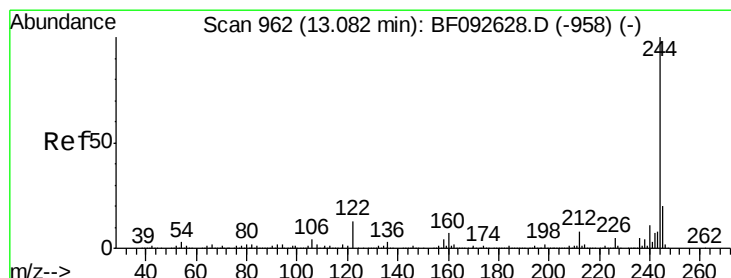
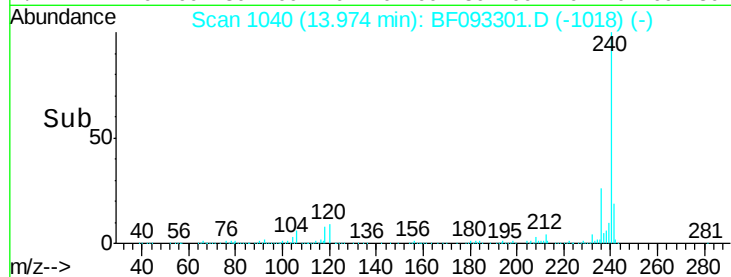
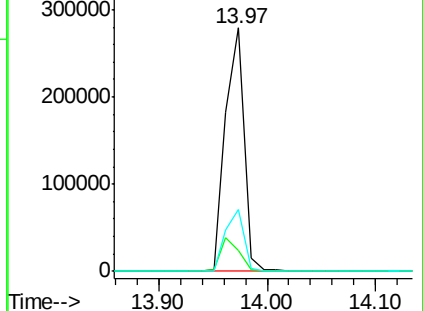
236 25.6 20.9 31.3



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: 47.65 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093301.D

Acq: 1 Mar 2017 20:43

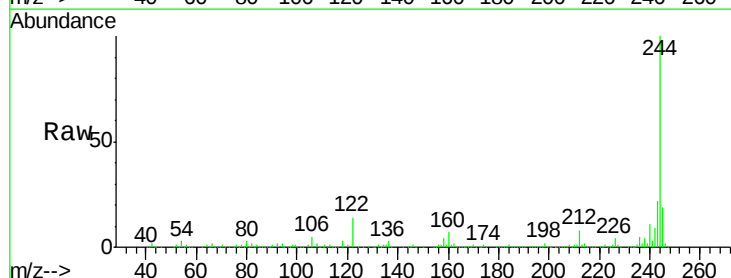
Tgt Ion:244 Resp: 675299

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

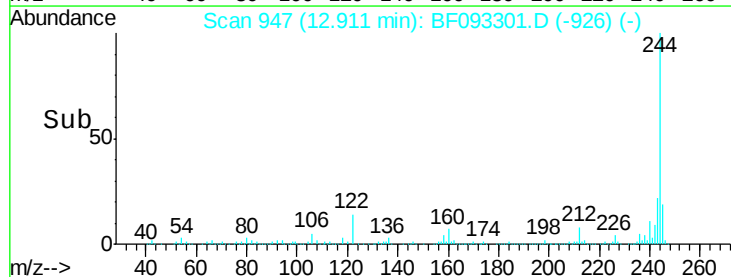
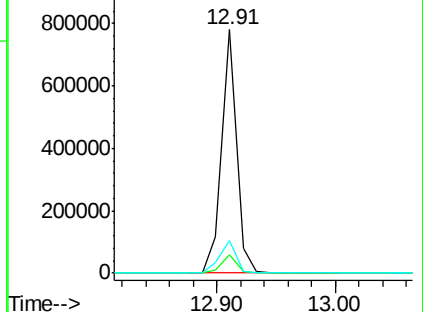
122 13.6 11.4 17.2

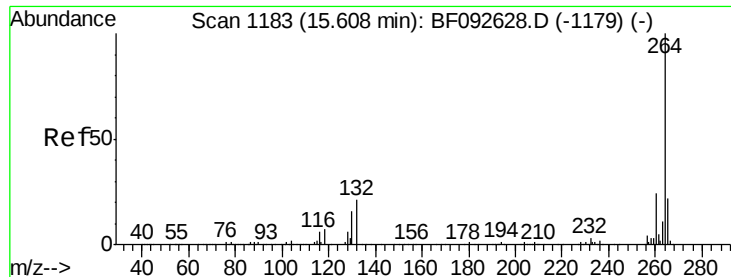


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

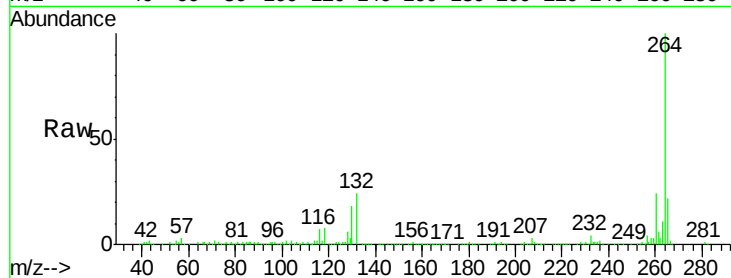




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093301.D
Acq: 1 Mar 2017 20:43

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-002-A

Tgt Ion: 264 Resp: 272333
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.9 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

