

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
 Data File : BF090065.D
 Acq On : 12 Sep 2016 16:03
 Operator : UM/SJ
 Sample : H4744-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

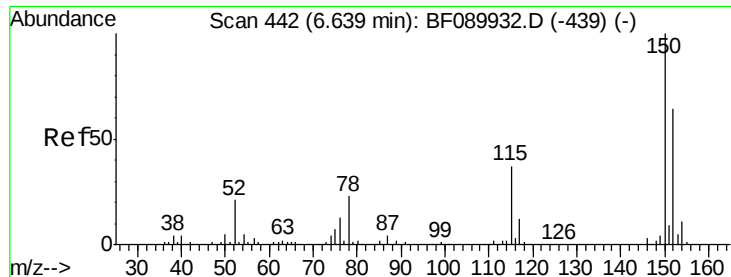
Instrument :
 BNA_F
 ClientSampleId :
 SP-1A

Quant Time: Sep 13 02:40:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 16:07:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	166211	20.00	ng	-0.03
21) Naphthalene-d8	7.86	136	694929	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	305092	20.00	ng	-0.02
63) Phenanthrene-d10	11.07	188	544859	20.00	ng	-0.03
75) Chrysene-d12	13.69	240	487393	20.00	ng	-0.03
86) Perylene-d12	15.03	264	346980	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	1207359	116.27	ng	-0.01
7) Phenol-d6	6.23	99	1332510	105.61	ng	-0.02
23) Nitrobenzene-d5	7.14	82	770071	64.27	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	297575	98.86	ng	-0.03
44) 2-Fluorobiphenyl	8.95	172	1505429	81.00	ng	-0.02
78) Terphenyl-d14	12.66	244	1269519	64.34	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.14	70	102768	12.50	ng	# 84
25) Isophorone	7.14	82	666049	27.33	ng	# 65
49) Dimethylphthalate	9.34	163	612998	27.80	ng	99
56) 2,4-Dinitrotoluene	9.61	165	38929	6.26	ng	# 30
59) Diethylphthalate	10.03	149	54135	2.61	ng	98
66) 4-Bromophenyl-phenylether	10.39	248	19708	3.59	ng	# 1
74) Fluoranthene	12.27	202	77013	2.71	ng	96
77) Pyrene	12.50	202	79226	2.31	ng	97
87) Benzo(b)fluoranthene	14.67	252	51788	2.38	ng	# 77
88) Benzo(k)fluoranthene	14.67	252	51424	2.79	ng	# 76

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

```
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Sample    : H4744-01  
Misc      :  
ALS Vial  : 11      Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

Instrument :

BNA_F

ClientSampleId :

SP-1A

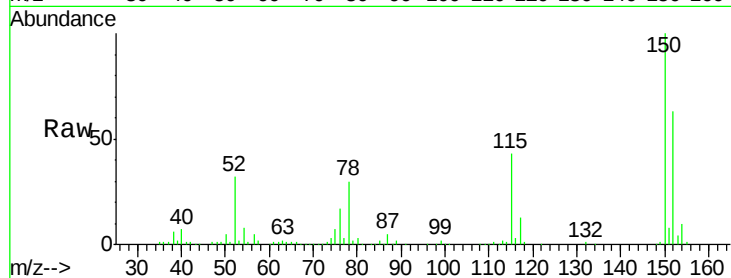
Tgt Ion:152 Resp: 166211

Ion Ratio Lower Upper

152 100

150 158.4 127.4 191.2

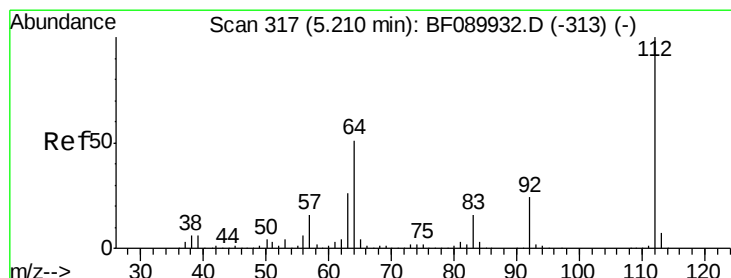
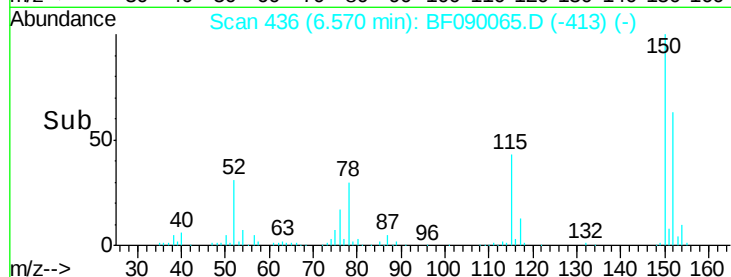
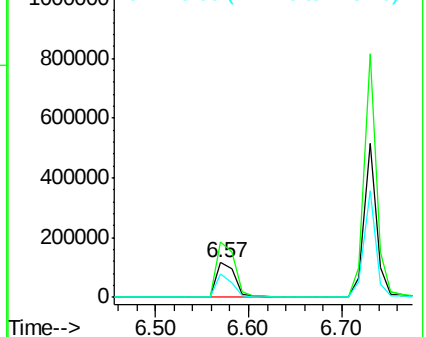
115 68.2 46.3 69.5



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: 116.27 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.01 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

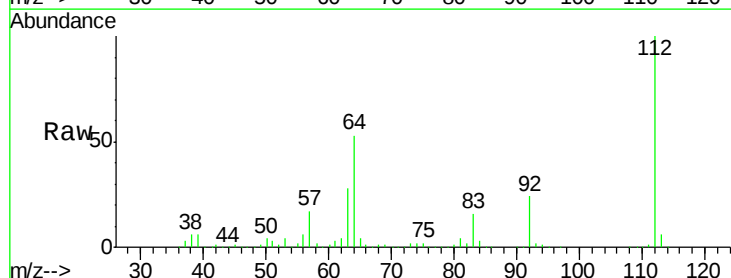
Tgt Ion:112 Resp: 1207359

Ion Ratio Lower Upper

112 100

64 53.2 41.1 61.7

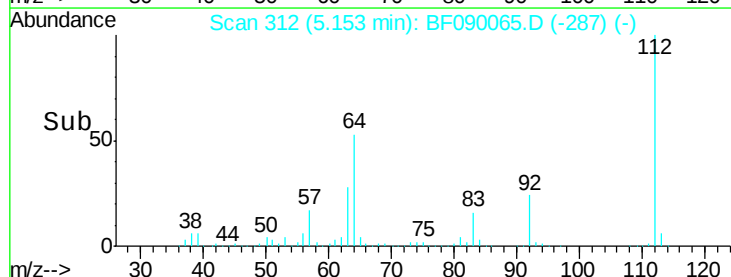
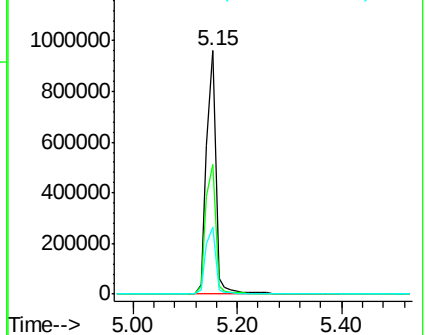
63 27.6 21.2 31.8

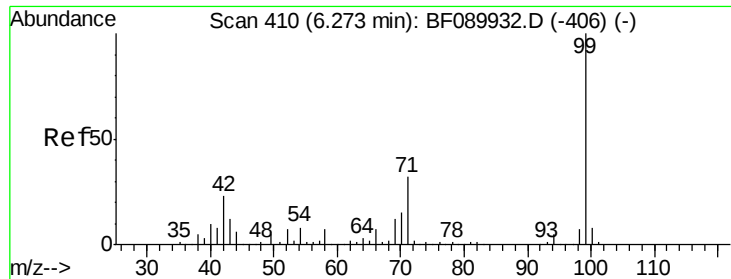


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.61 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

Instrument :

BNA_F

ClientSampleId :

SP-1A

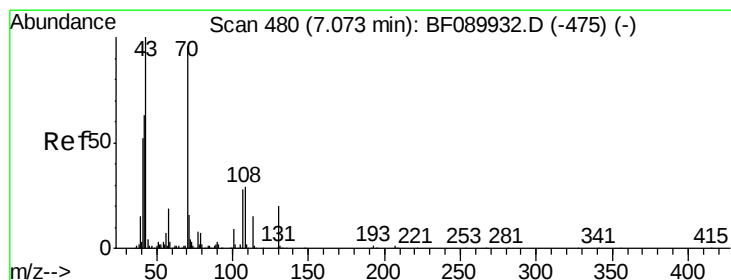
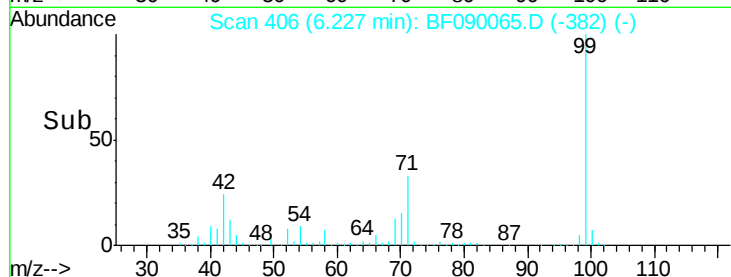
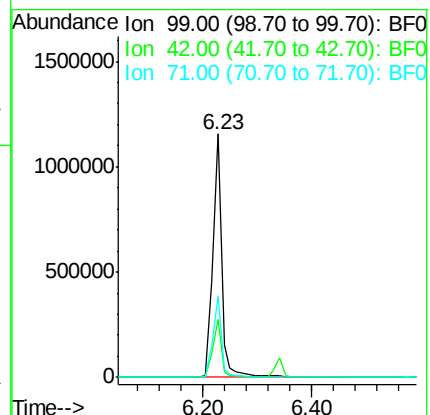
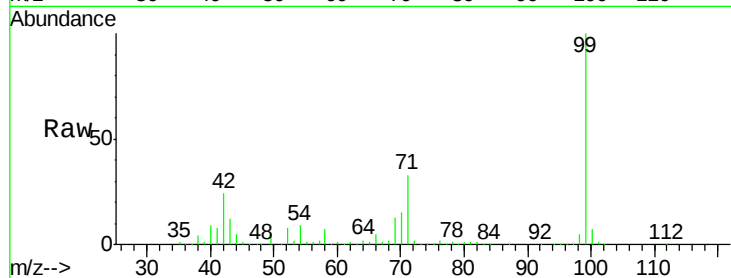
Tgt Ion: 99 Resp: 1332510

Ion Ratio Lower Upper

99 100

42 23.6 18.6 27.8

71 33.3 25.8 38.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.50 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.10 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

Tgt Ion: 70 Resp: 102768

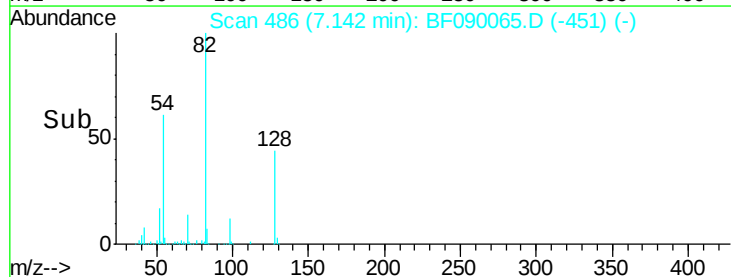
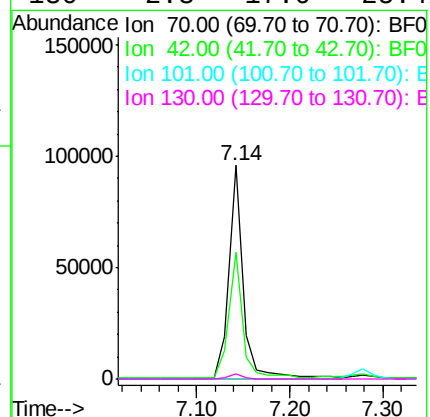
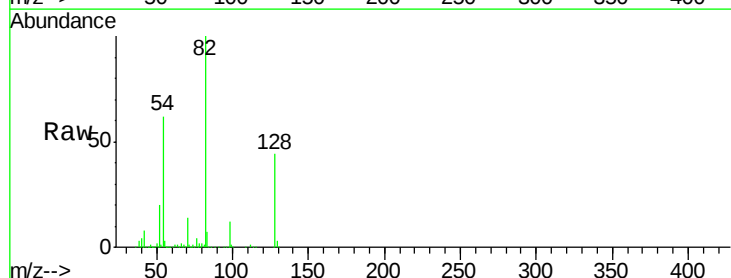
Ion Ratio Lower Upper

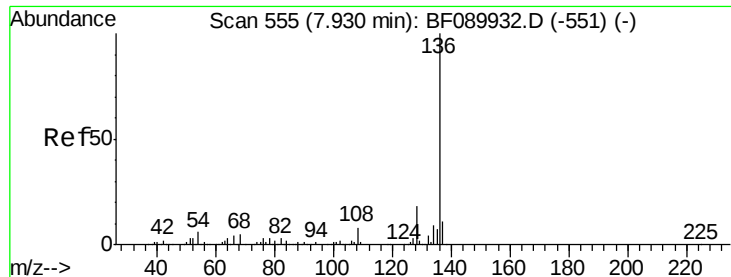
70 100

42 59.4 52.1 78.1

101 0.0 7.4 11.2#

130 2.3 17.0 25.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

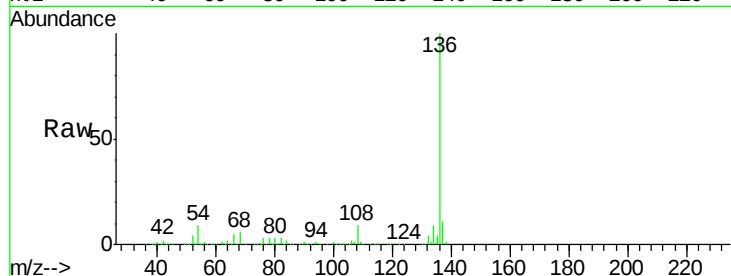
Instrument :

BNA_F

ClientSampleId :

SP-1A

Tgt Ion:	136	Resp:	694929
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.3	12.5
54	8.7	4.8	7.2#
68	5.8	3.7	5.5#

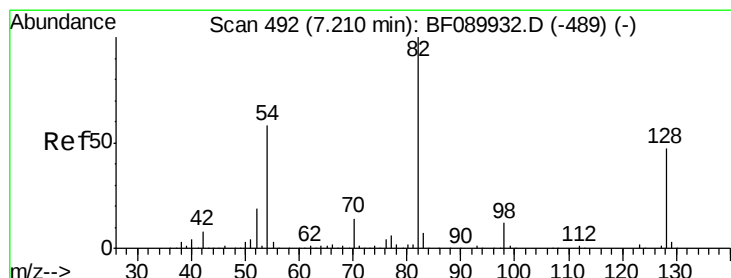
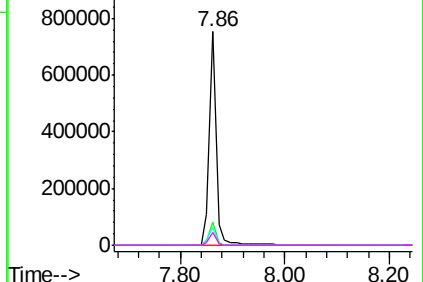
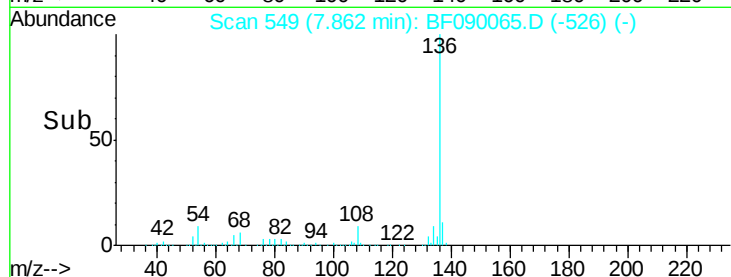


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 64.27 ng

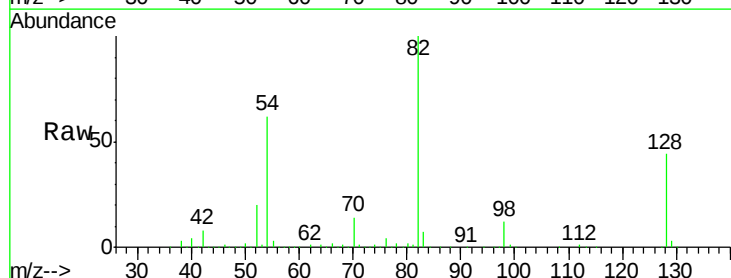
RT: 7.14 min Scan# 486

Delta R.T. -0.03 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

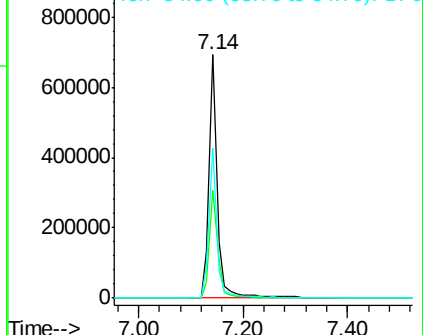
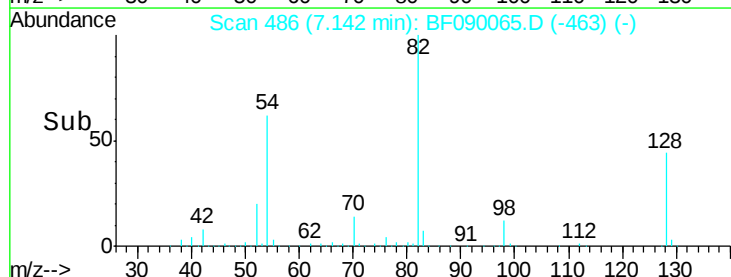
Tgt Ion:	82	Resp:	770071
Ion	Ratio	Lower	Upper
82	100		
128	44.3	37.8	56.8
54	61.8	46.9	70.3

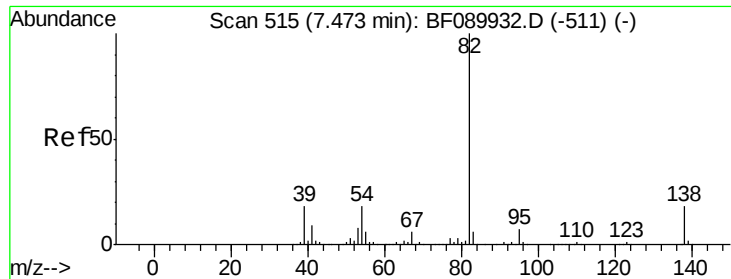


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 27.33 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.30 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

Instrument :

BNA_F

ClientSampleId :

SP-1A

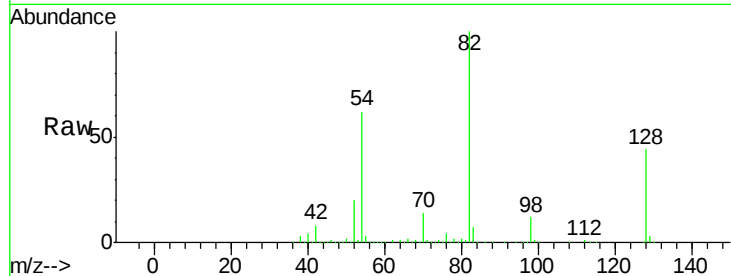
Tgt Ion: 82 Resp: 666049

Ion Ratio Lower Upper

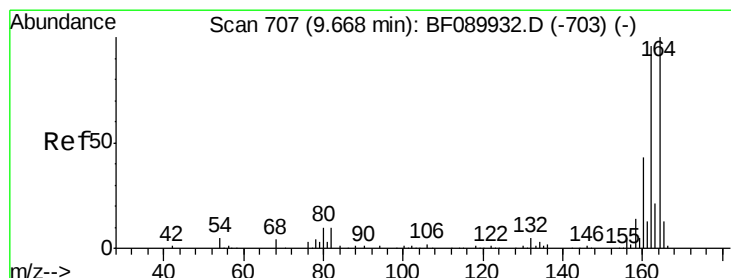
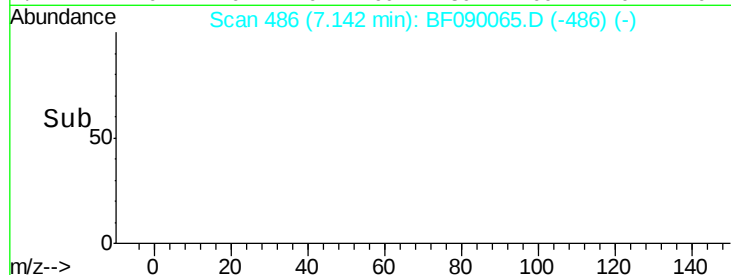
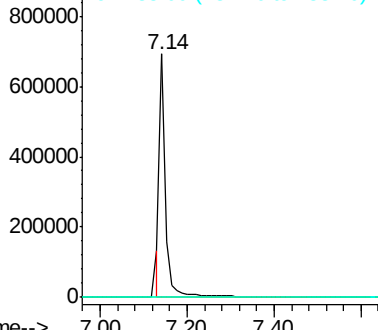
82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

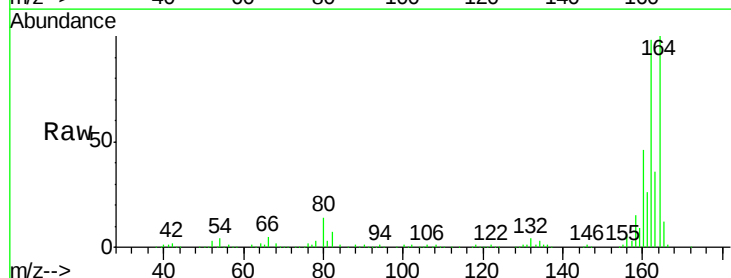
Tgt Ion: 164 Resp: 305092

Ion Ratio Lower Upper

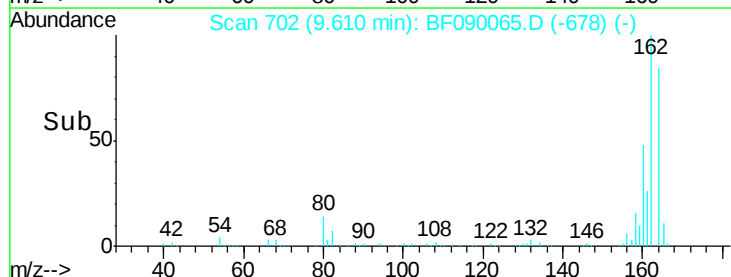
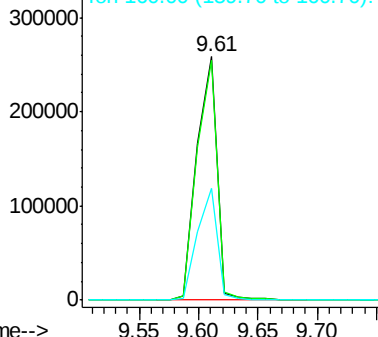
164 100

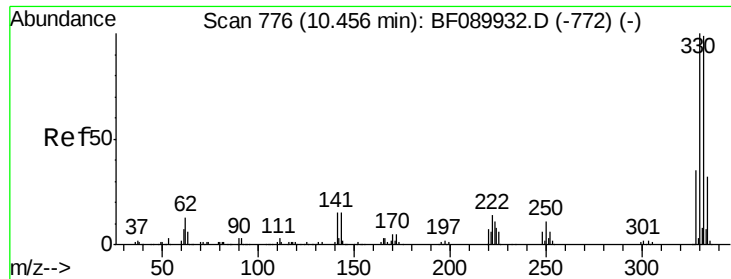
162 98.3 77.1 115.7

160 45.9 35.3 52.9



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

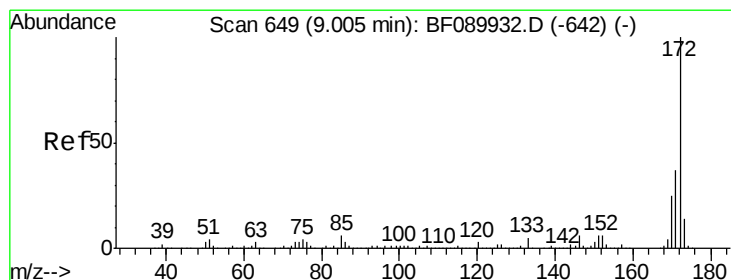
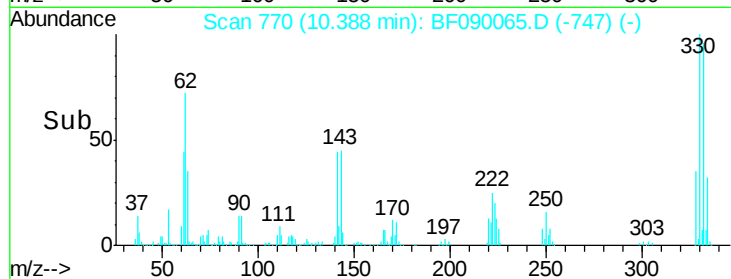
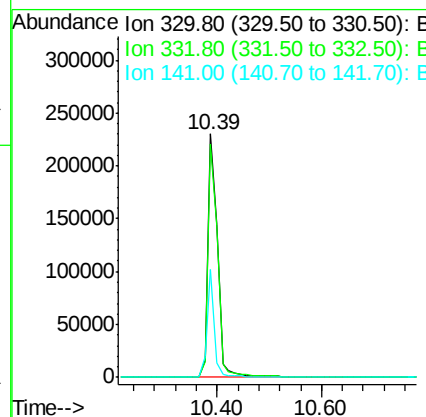
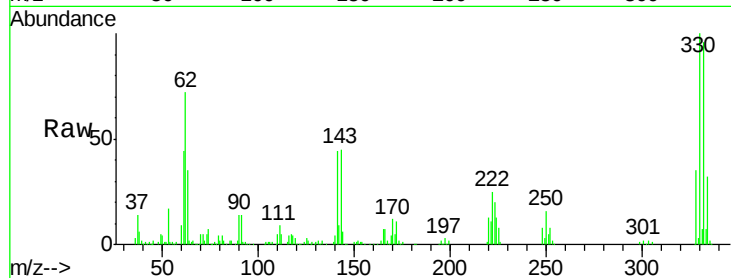




#41
 2,4,6-Tribromophenol
 Concen: 98.86 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.03 min
 Lab File: BF090065.D
 Acq: 12 Sep 2016 16:03

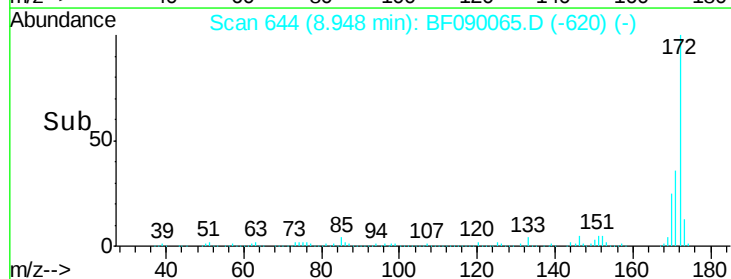
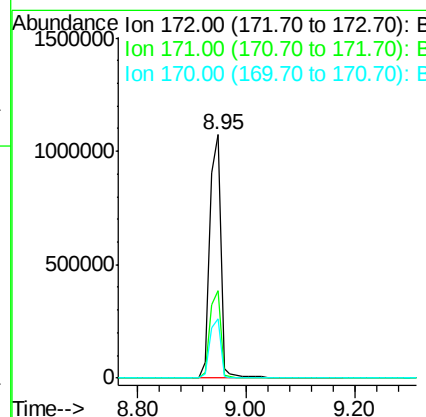
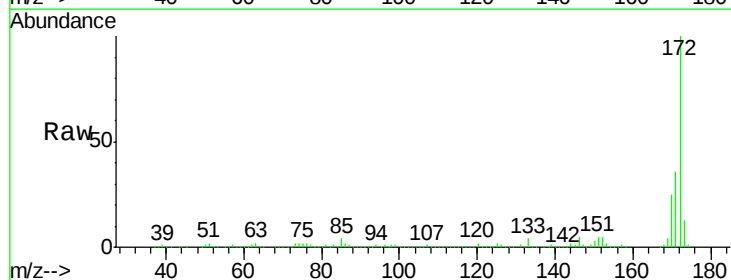
Instrument :
 BNA_F
 ClientSampleId :
 SP-1A

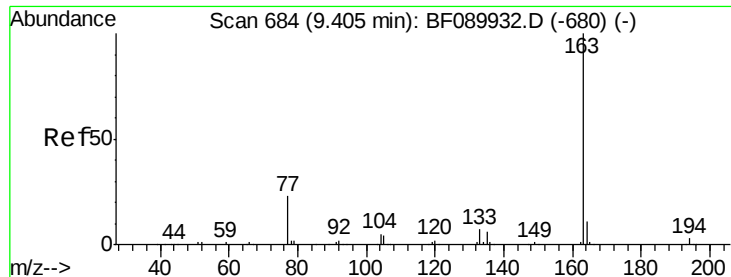
Tgt Ion:330 Resp: 297575
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.6 117.8
 141 33.8 23.3 34.9



#44
 2-Fluorobiphenyl
 Concen: 81.00 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF090065.D
 Acq: 12 Sep 2016 16:03

Tgt Ion:172 Resp: 1505429
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.2
 170 24.6 20.1 30.1

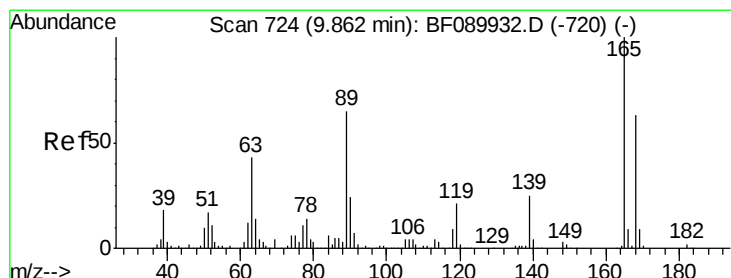
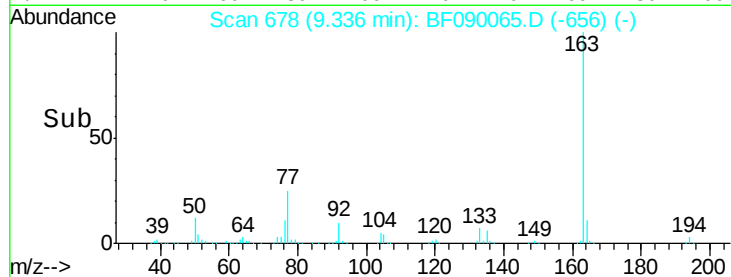
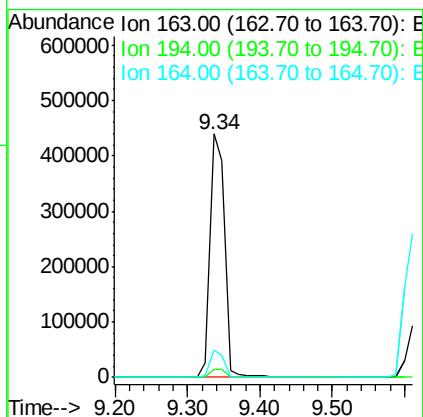
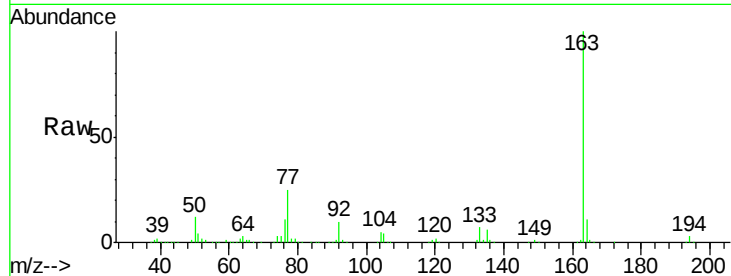




#49
Dimethylphthalate
Concen: 27.80 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.05 min
Lab File: BF090065.D
Acq: 12 Sep 2016 16:03

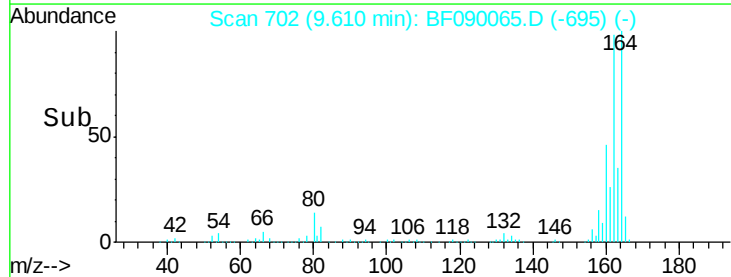
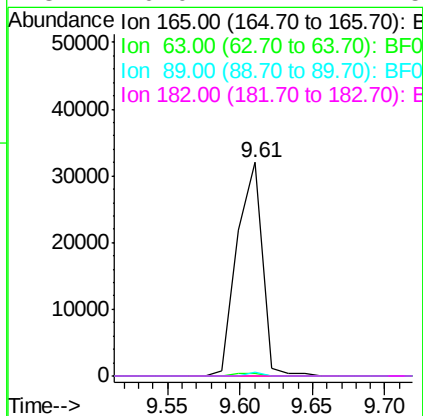
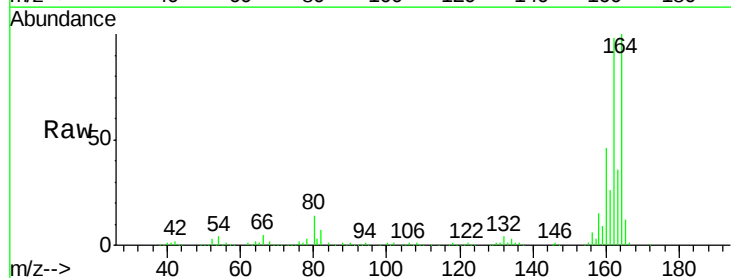
Instrument :
BNA_F
ClientSampleId :
SP-1A

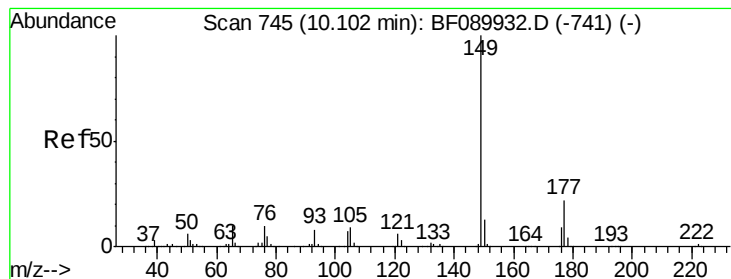
Tgt Ion:163 Resp: 612998
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 11.0 9.0 13.4



#56
2,4-Dinitrotoluene
Concen: 6.26 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.22 min
Lab File: BF090065.D
Acq: 12 Sep 2016 16:03

Tgt Ion:165 Resp: 38929
Ion Ratio Lower Upper
165 100
63 1.3 32.5 48.7#
89 1.9 48.3 72.5#
182 0.0 1.7 2.5#





#59

Diethylphthalate

Concen: 2.61 ng

RT: 10.03 min Scan# 739

Delta R.T. -0.03 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

Instrument :

BNA_F

ClientSampleId :

SP-1A

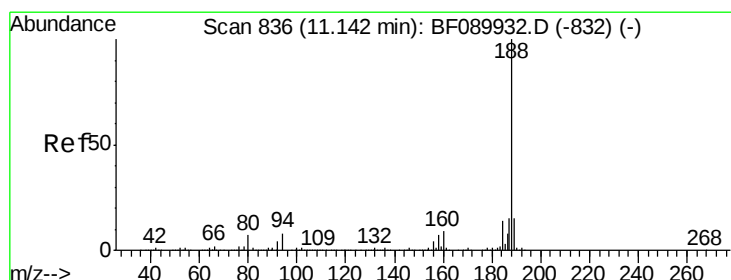
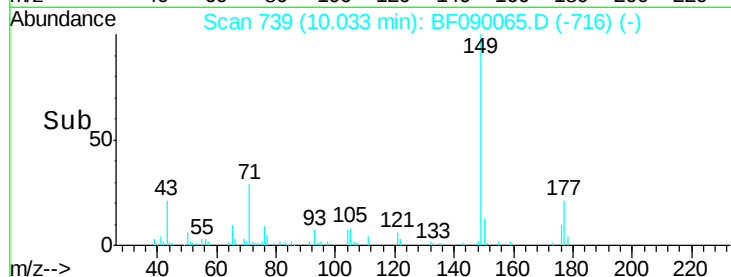
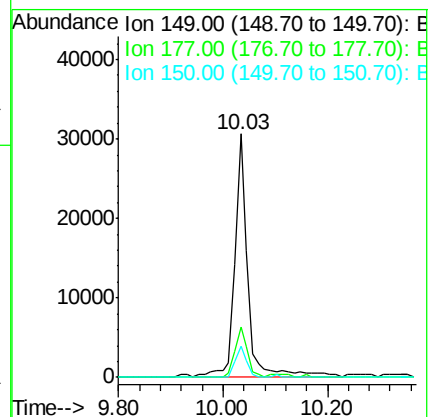
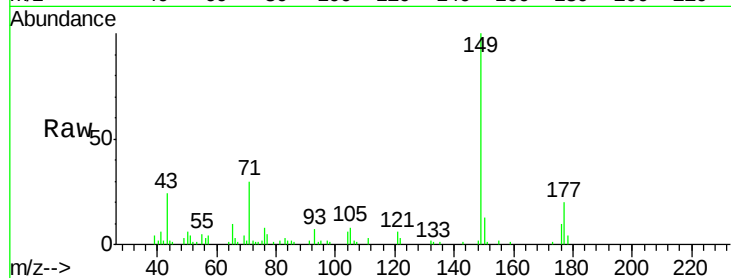
Tgt Ion:149 Resp: 54135

Ion Ratio Lower Upper

149 100

177 20.4 17.7 26.5

150 12.6 10.2 15.2



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.03 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

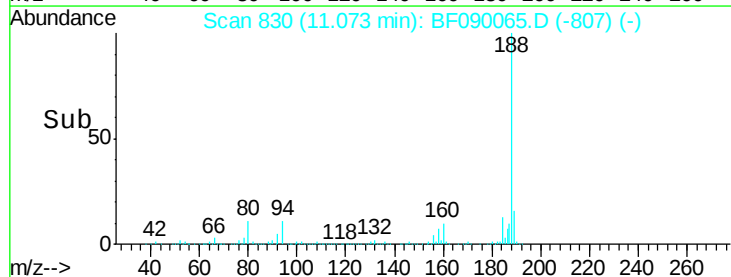
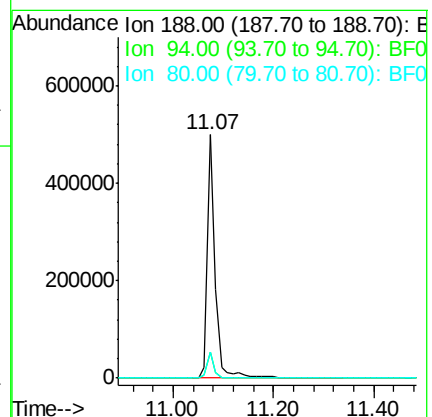
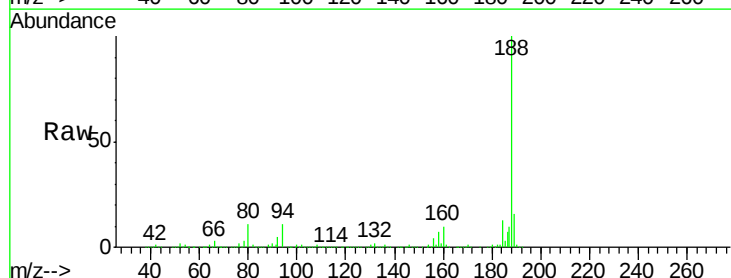
Tgt Ion:188 Resp: 544859

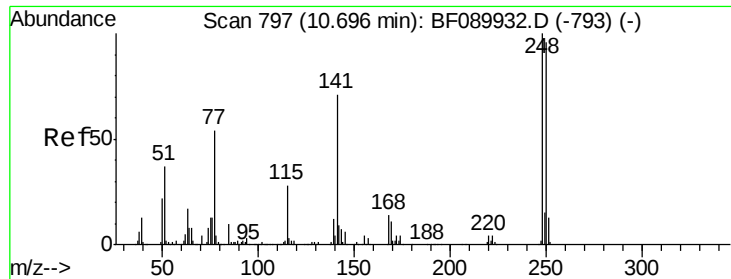
Ion Ratio Lower Upper

188 100

94 10.5 5.9 8.9#

80 10.7 5.8 8.8#

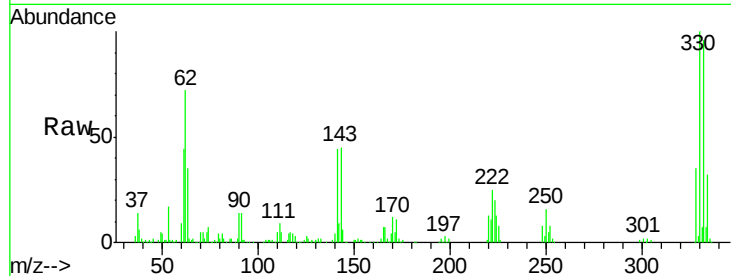




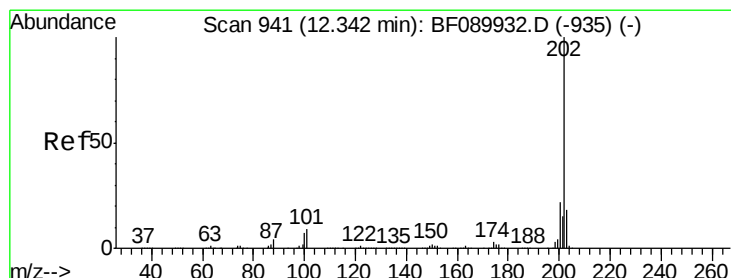
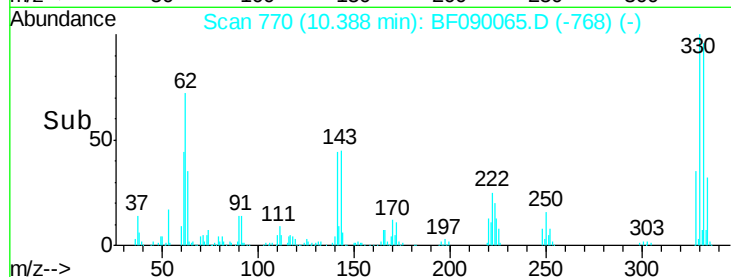
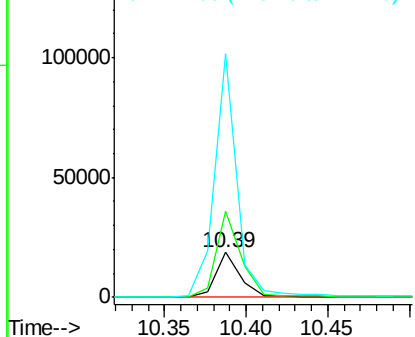
#66
 4-Bromophenyl-phenylether
 Concen: 3.59 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.27 min
 Lab File: BF090065.D
 Acq: 12 Sep 2016 16:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-1A

Tgt Ion:248 Resp: 19708
 Ion Ratio Lower Upper
 248 100
 250 190.6 77.3 115.9#
 141 541.7 55.8 83.8#

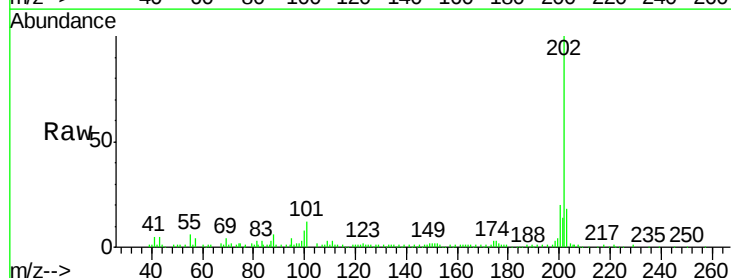


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

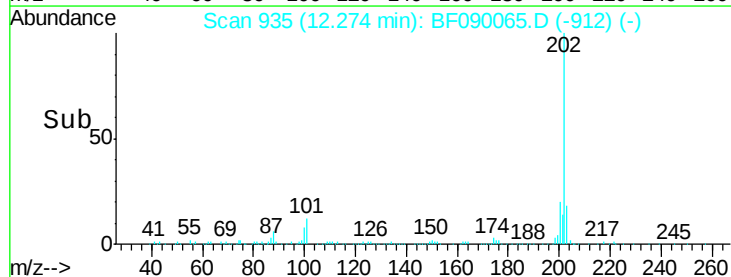
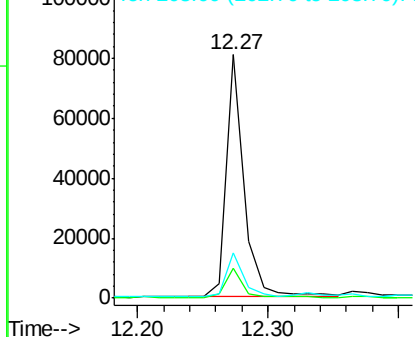


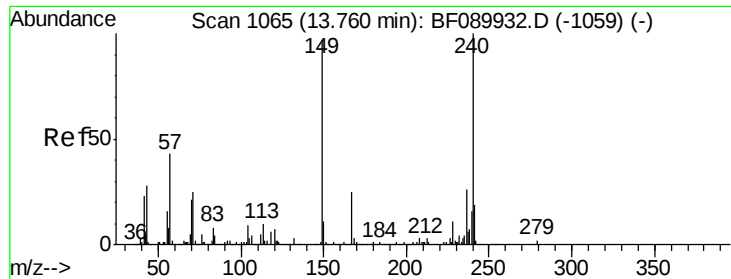
#74
 Fluoranthene
 Concen: 2.71 ng
 RT: 12.27 min Scan# 935
 Delta R.T. -0.03 min
 Lab File: BF090065.D
 Acq: 12 Sep 2016 16:03

Tgt Ion:202 Resp: 77013
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 28.5
 203 18.3 0.0 38.0



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: 13.69 min Scan# 1059

Delta R.T. -0.03 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

Instrument :

BNA_F

ClientSampleId :

SP-1A

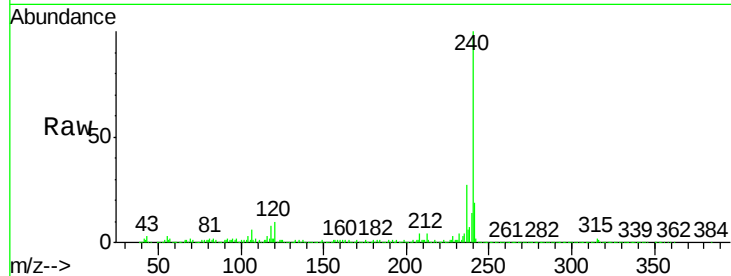
Tgt Ion:240 Resp: 487393

Ion Ratio Lower Upper

240 100

120 9.6 5.7 8.5#

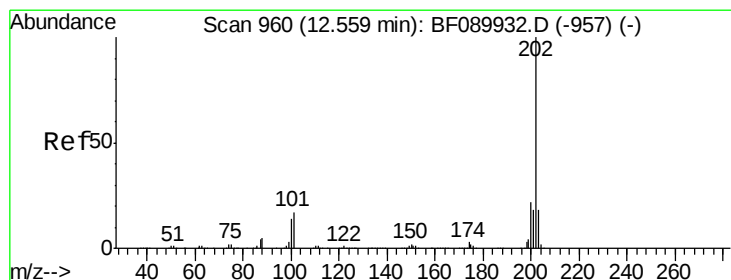
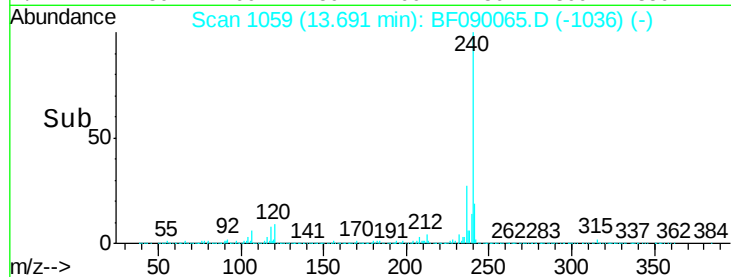
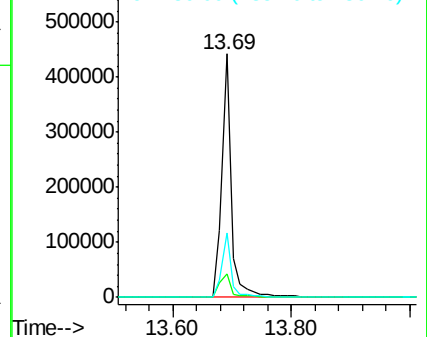
236 26.7 21.3 31.9



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



#77

Pyrene

Concen: 2.31 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

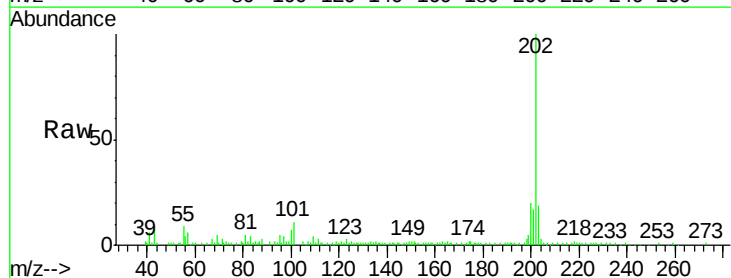
Tgt Ion:202 Resp: 79226

Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

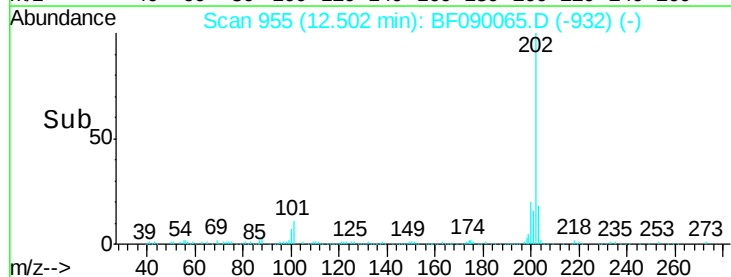
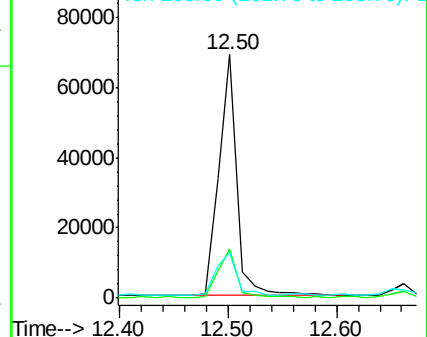
203 18.8 14.6 21.8

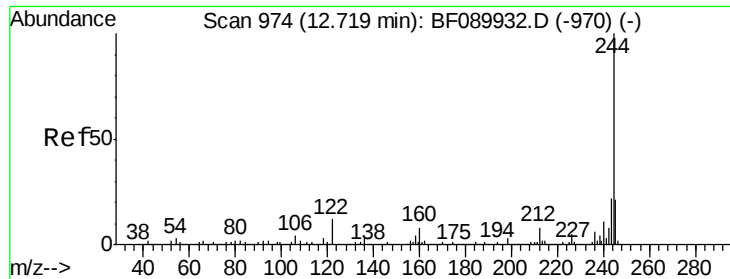


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.34 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

Instrument :

BNA_F

ClientSampled :

SP-1A

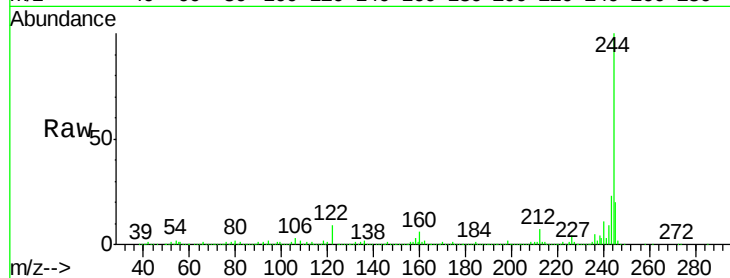
Tgt Ion:244 Resp: 1269519

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

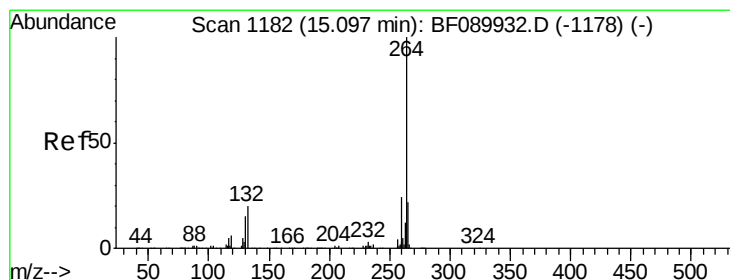
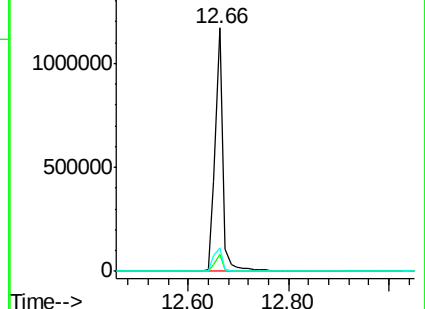
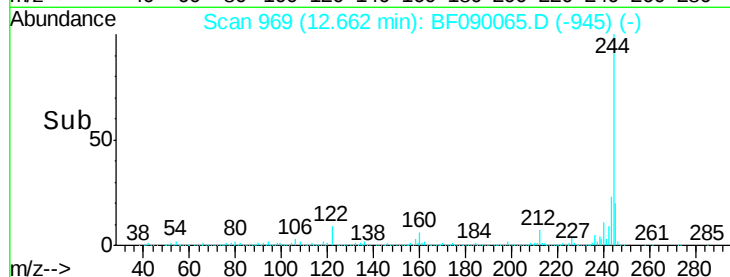
122 9.4 9.6 14.4#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.03 min Scan# 1176

Delta R.T. -0.03 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

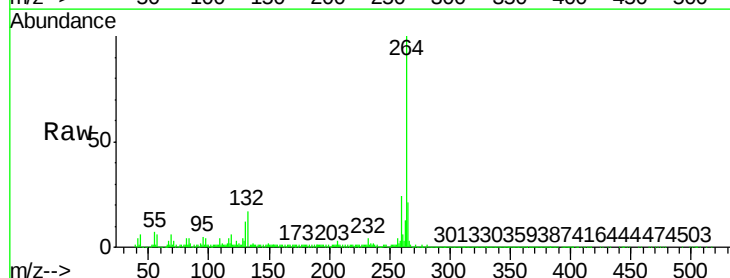
Tgt Ion:264 Resp: 346980

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.0

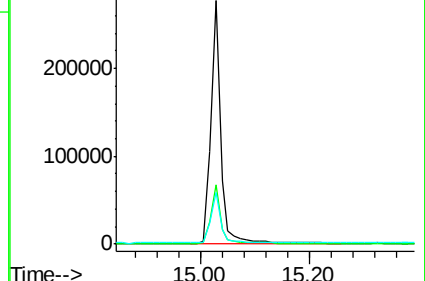
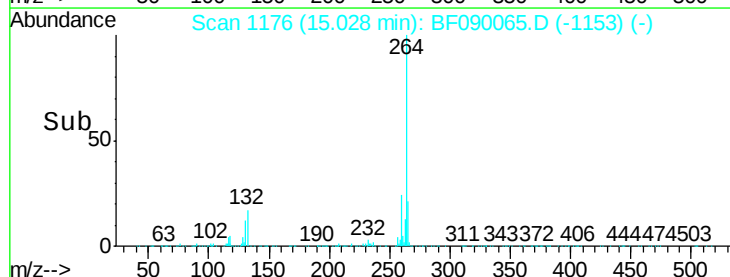
265 21.4 17.4 26.2

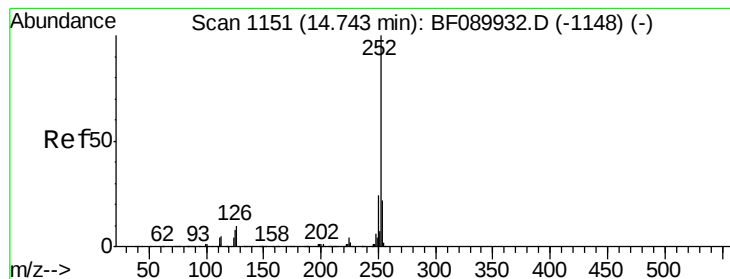


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.38 ng

RT: 14.67 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

Instrument :

BNA_F

ClientSampleId :

SP-1A

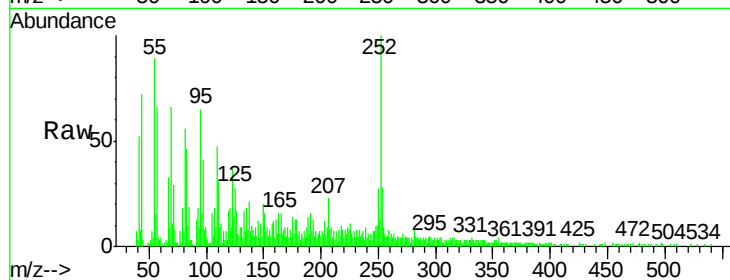
Tgt Ion:252 Resp: 51788

Ion Ratio Lower Upper

252 100

253 27.9 18.0 27.0#

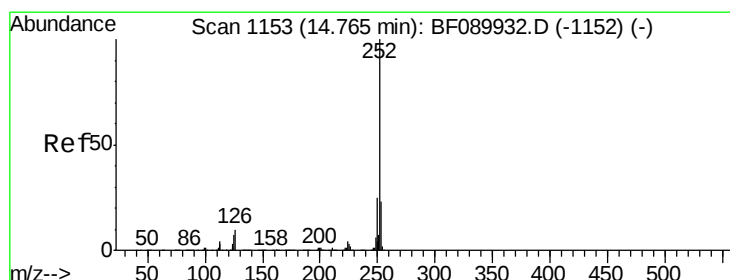
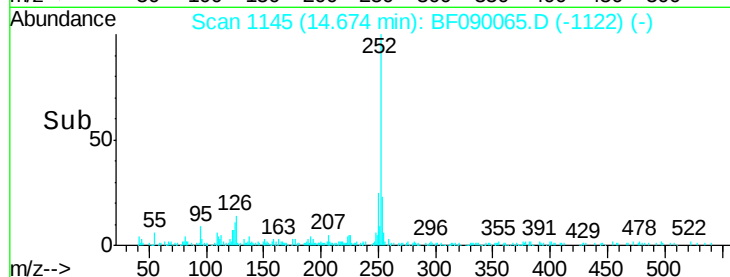
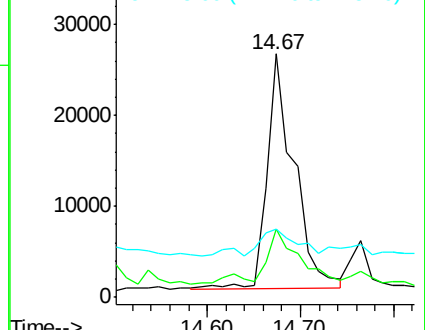
125 28.1 5.7 8.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.79 ng

RT: 14.67 min Scan# 1145

Delta R.T. -0.06 min

Lab File: BF090065.D

Acq: 12 Sep 2016 16:03

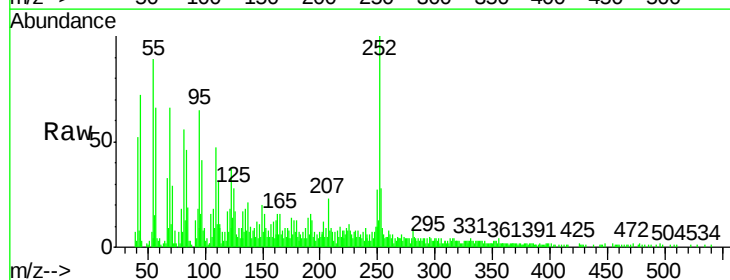
Tgt Ion:252 Resp: 51424

Ion Ratio Lower Upper

252 100

253 27.9 17.8 26.8#

125 28.1 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

