

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089254.D
 Acq On : 24 Jul 2016 2:02
 Operator : UM/SJ
 Sample : H4154-05
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GCF-WB-1

Quant Time: Jul 25 01:14:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

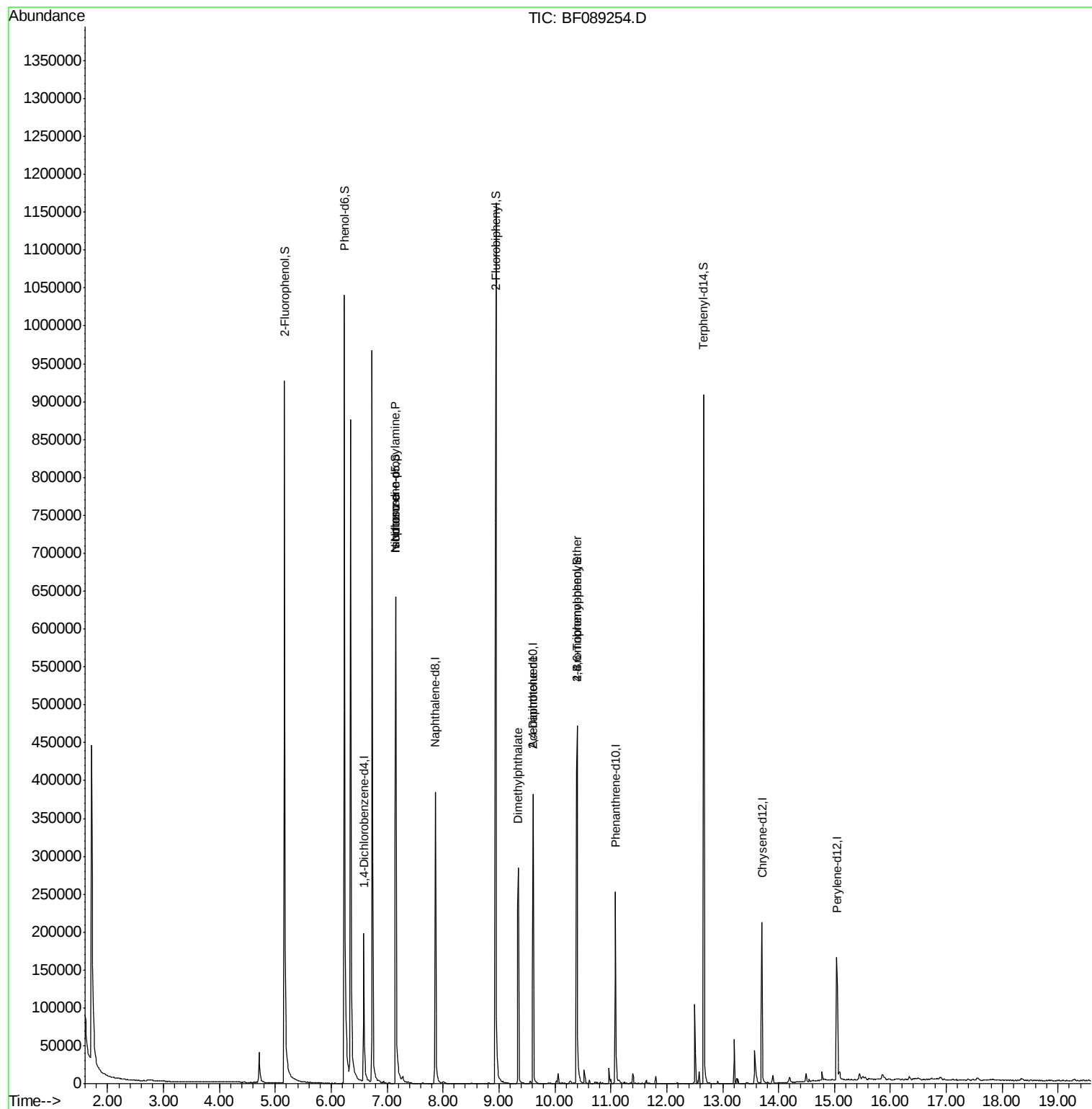
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	45056	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	199368	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	83415	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	132802	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	87688	20.00	ng	-0.02
86) Perylene-d12	15.04	264	87003	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	375664	126.81	ng	-0.02
7) Phenol-d6	6.24	99	516122	135.10	ng	-0.03
23) Nitrobenzene-d5	7.15	82	313454	83.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	78641	104.71	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	515784	85.20	ng	-0.02
78) Terphenyl-d14	12.66	244	283237	70.06	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.24	77	639	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.15	70	40995	16.41	ng	# 79
25) Isophorone	7.15	82	230018	33.26	ng	# 66
49) Dimethylphthalate	9.35	163	181258	28.32	ng	99
56) 2,4-Dinitrotoluene	9.61	165	10367	5.57	ng	# 10
66) 4-Bromophenyl-phenylether	10.40	248	5719	4.35	ng	# 1

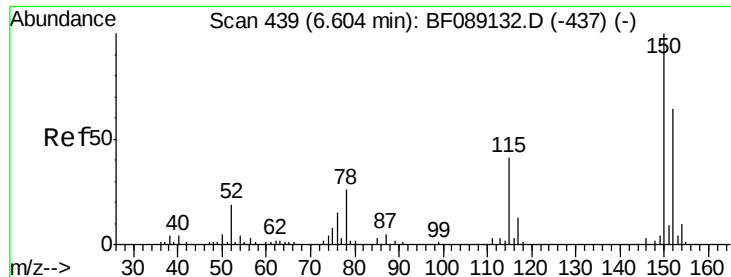
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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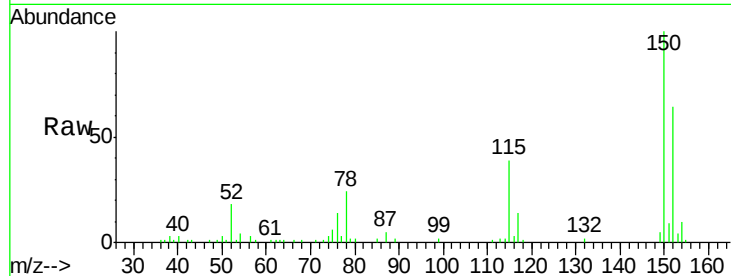


#1

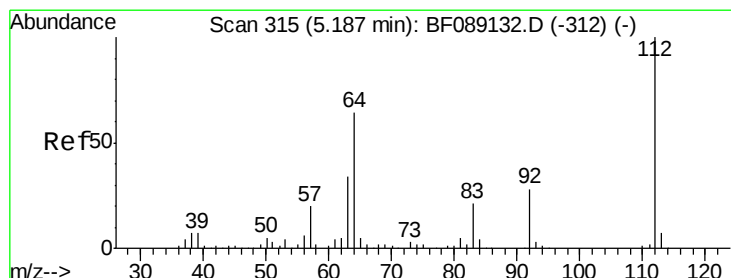
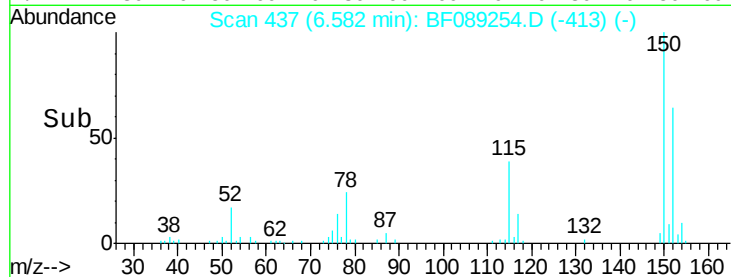
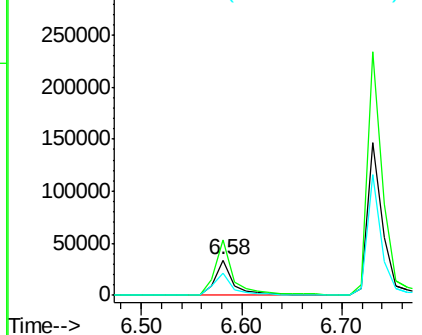
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.58 min Scan# 437
 Delta R.T. -0.02 min
 Lab File: BF089254.D
 Acq: 24 Jul 2016 2:02

Instrument :
 BNA_F
 ClientSampleId :
 GCF-WB-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.1	187.7
115	61.0	51.1	76.7



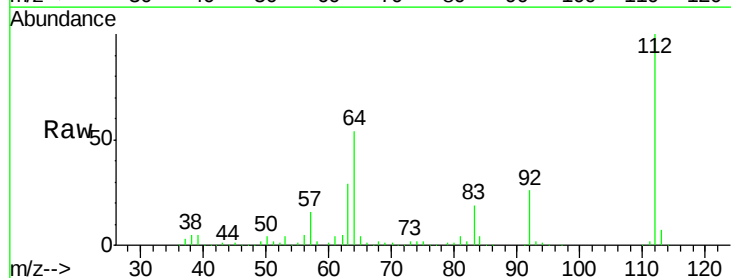
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



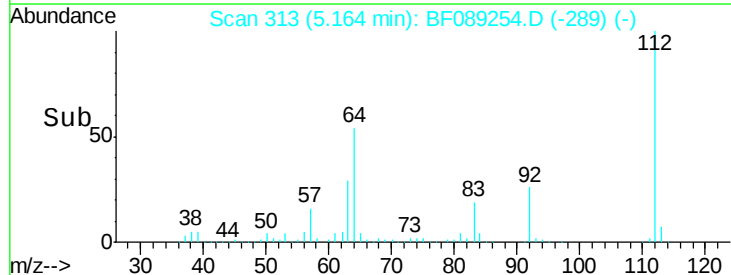
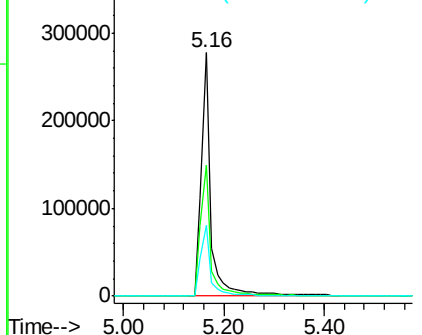
#5

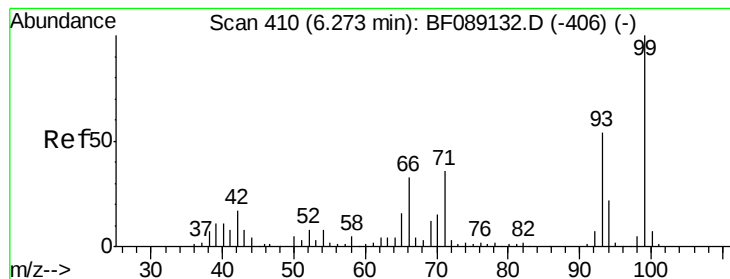
2-Fluorophenol
 Concen: 126.81 ng
 RT: 5.16 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: BF089254.D
 Acq: 24 Jul 2016 2:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	51.0	76.4
63	29.2	27.3	40.9



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: 135.10 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089254.D

Acq: 24 Jul 2016 2:02

Instrument :

BNA_F

ClientSampleId :

GCF-WB-1

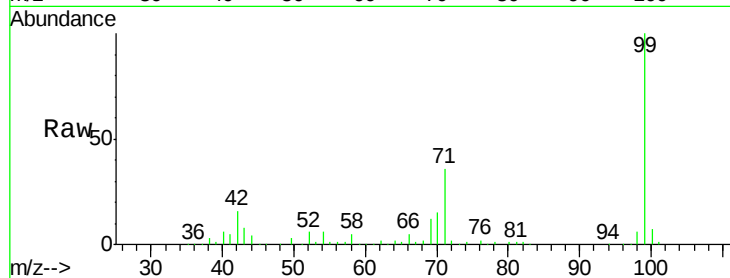
Tgt Ion: 99 Resp: 516122

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

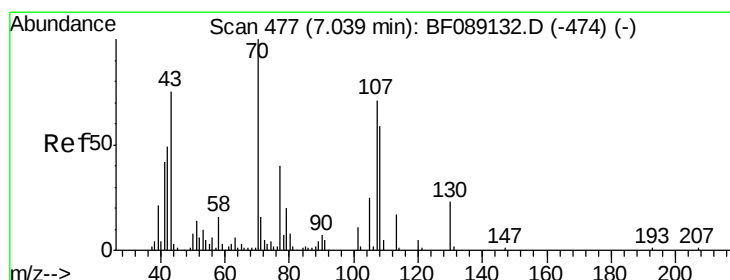
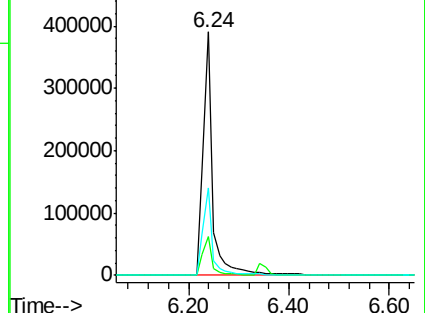
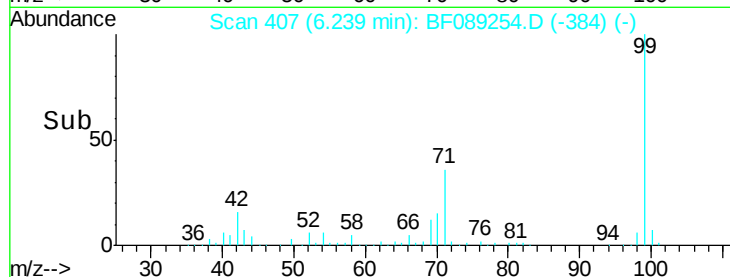
71 36.1 28.9 43.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.41 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.11 min

Lab File: BF089254.D

Acq: 24 Jul 2016 2:02

Tgt Ion: 70 Resp: 40995

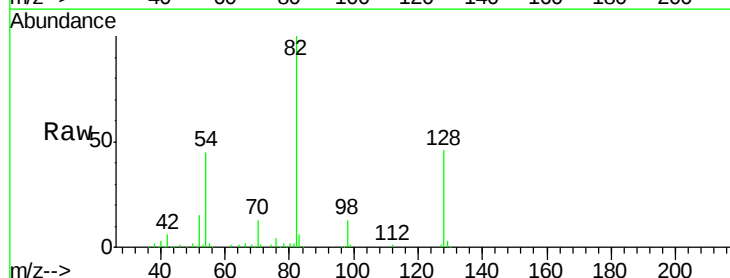
Ion Ratio Lower Upper

70 100

42 42.9 39.2 58.8

101 0.0 8.5 12.7#

130 2.5 18.4 27.6#

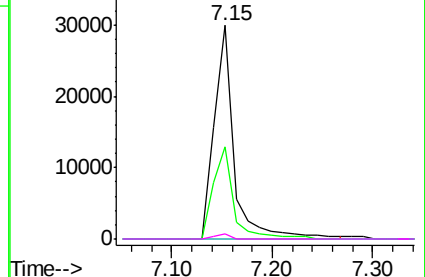
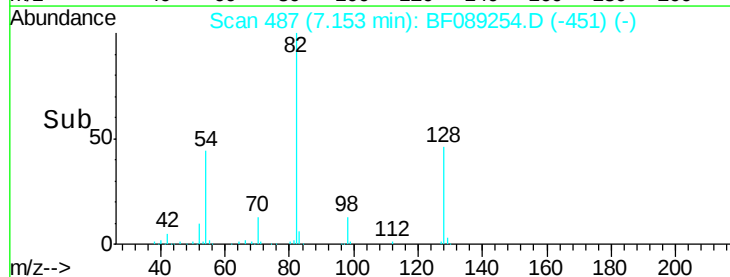


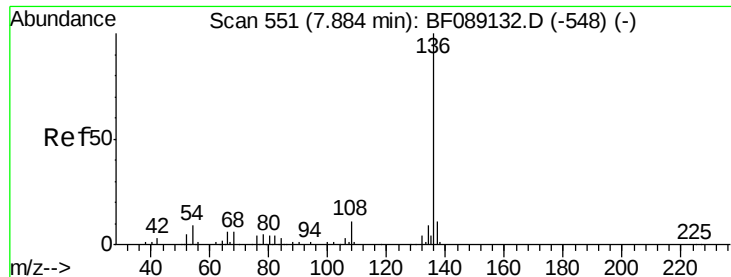
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.02 min

Lab File: BF089254.D

Acq: 24 Jul 2016 2:02

Instrument :

BNA_F

ClientSampleId :

GCF-WB-1

Tgt Ion:136 Resp: 199368

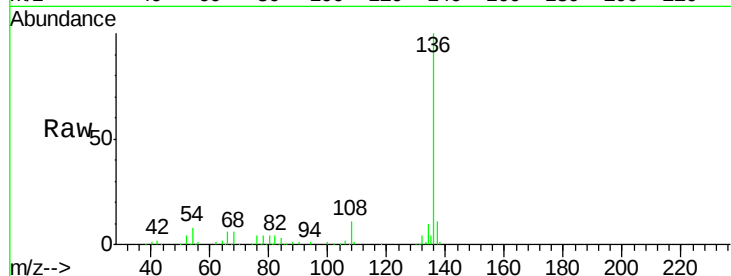
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.7 7.0 10.4

68 5.9 5.0 7.6

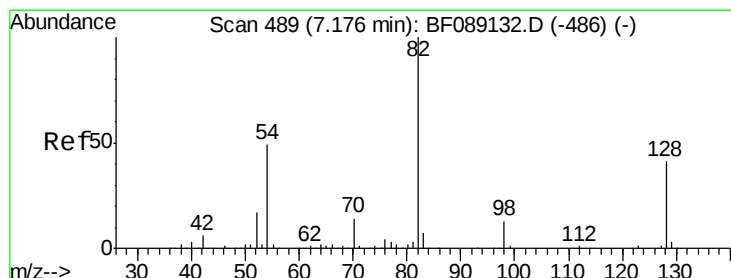
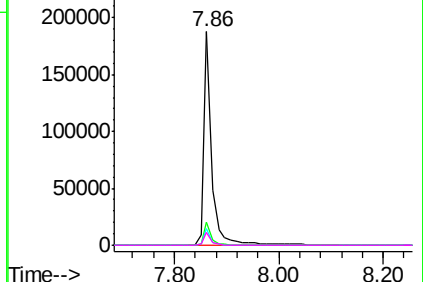
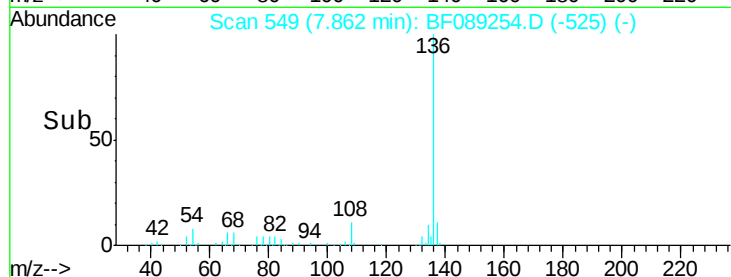


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.54 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.02 min

Lab File: BF089254.D

Acq: 24 Jul 2016 2:02

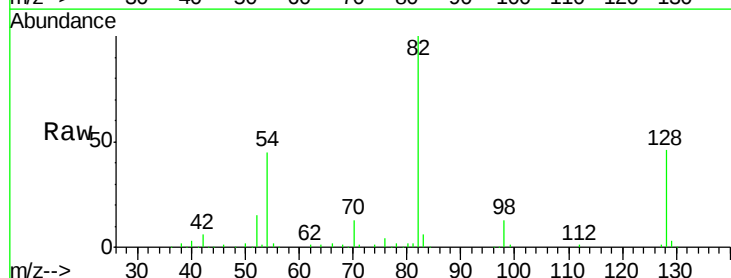
Tgt Ion: 82 Resp: 313454

Ion Ratio Lower Upper

82 100

128 46.0 33.0 49.6

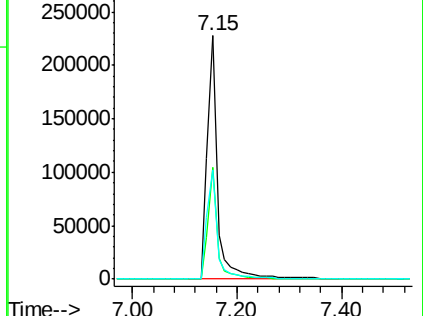
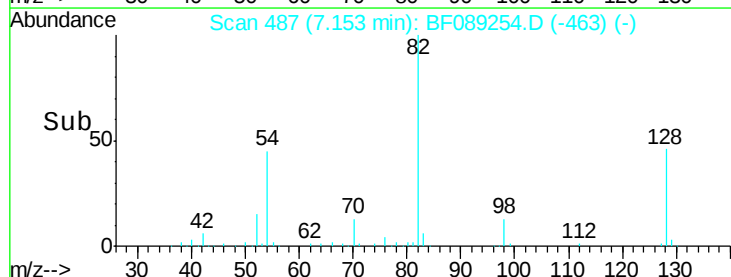
54 44.9 39.0 58.4

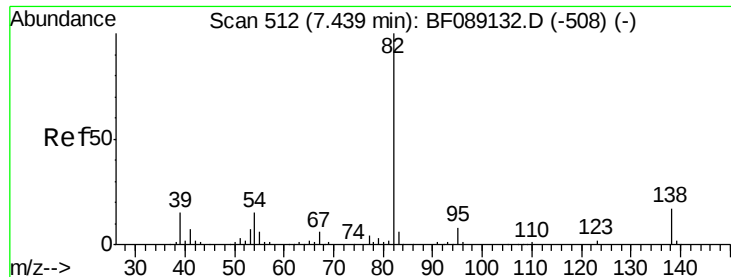


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.26 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.29 min

Lab File: BF089254.D

Acq: 24 Jul 2016 2:02

Instrument :

BNA_F

ClientSampleId :

GCF-WB-1

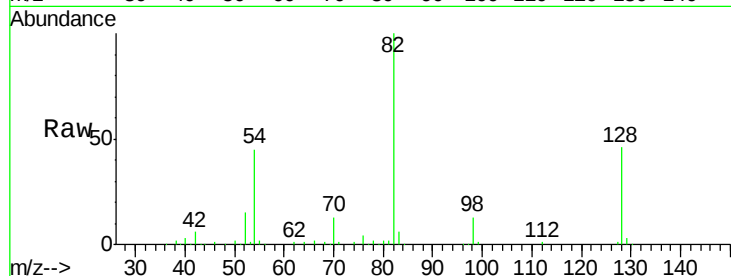
Tgt Ion: 82 Resp: 230018

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

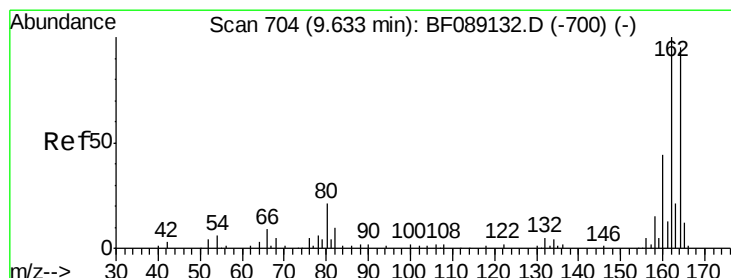
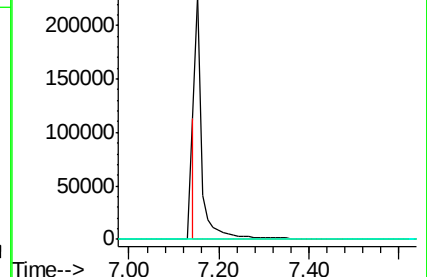
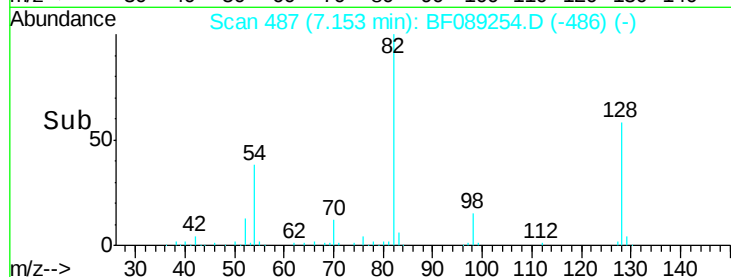
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF089254.D (-486) (-)

Ion 95.00 (94.70 to 95.70): BF089254.D (-486) (-)

Ion 138.00 (137.70 to 138.70): BF089254.D (-486) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF089254.D

Acq: 24 Jul 2016 2:02

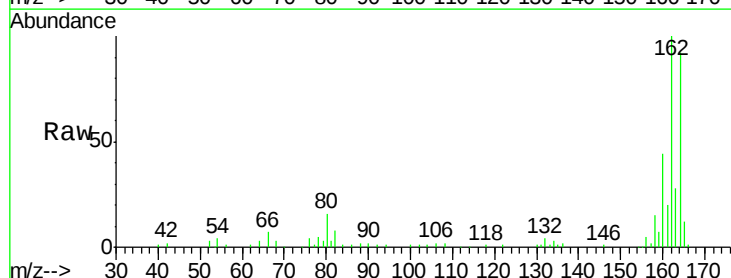
Tgt Ion: 164 Resp: 83415

Ion Ratio Lower Upper

164 100

162 108.6 84.1 126.1

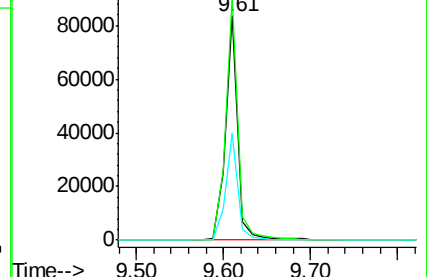
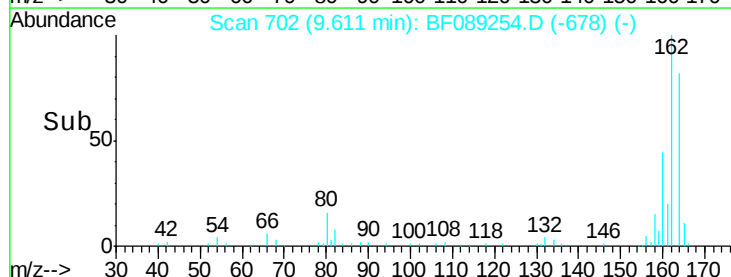
160 47.8 37.1 55.7

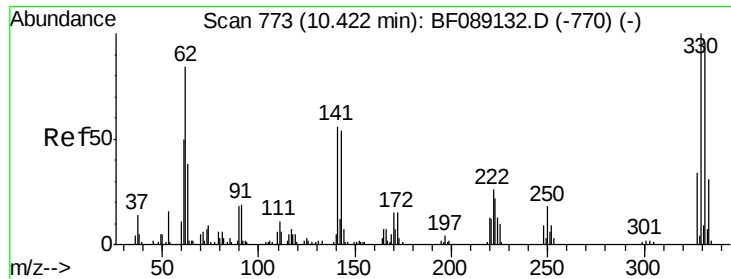


Abundance Ion 164.00 (163.70 to 164.70): BF089254.D (-678) (-)

Ion 162.00 (161.70 to 162.70): BF089254.D (-678) (-)

Ion 160.00 (159.70 to 160.70): BF089254.D (-678) (-)

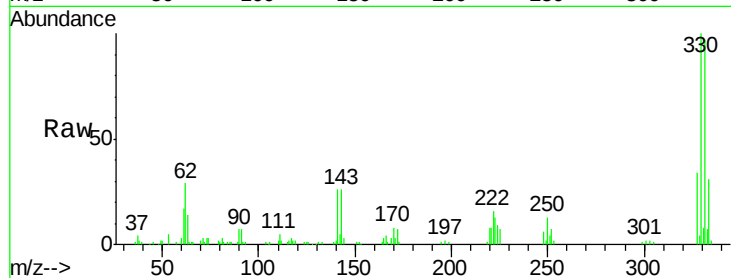




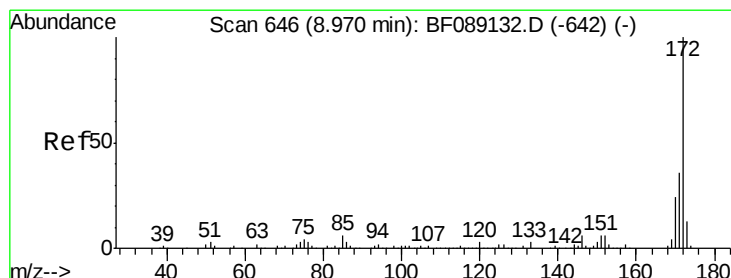
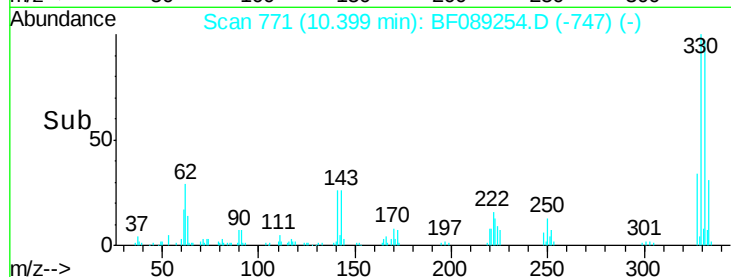
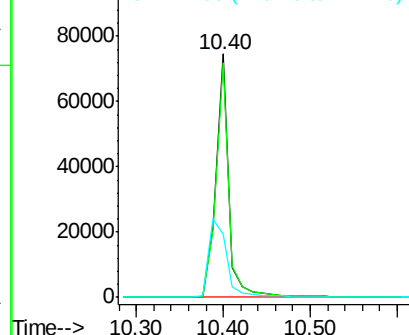
#41
 2,4,6-Tribromophenol
 Concen: 104.71 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BF089254.D
 Acq: 24 Jul 2016 2:02

Instrument :
 BNA_F
 ClientSampleId :
 GCF-WB-1

Tgt Ion:330 Resp: 78641
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.2 115.8
 141 44.5 42.2 63.2

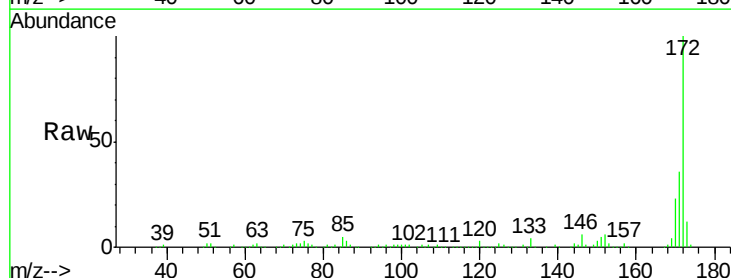


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

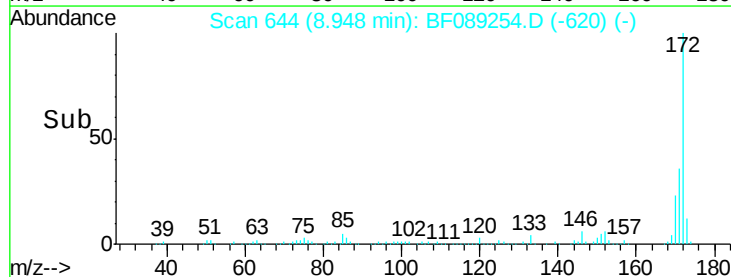
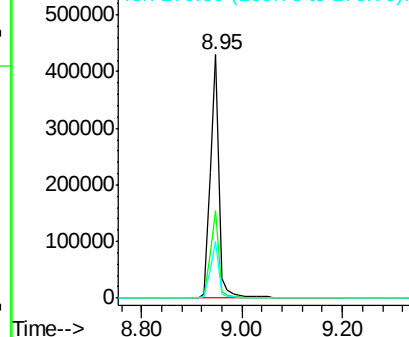


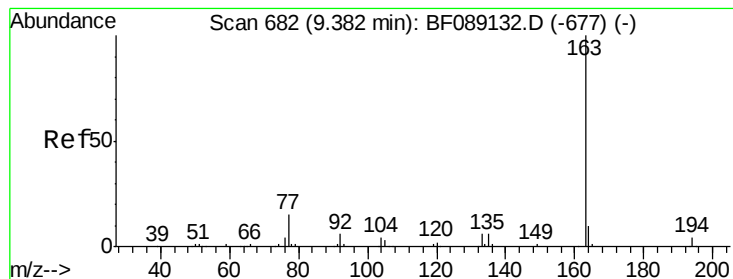
#44
 2-Fluorobiphenyl
 Concen: 85.20 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089254.D
 Acq: 24 Jul 2016 2:02

Tgt Ion:172 Resp: 515784
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.2 43.8
 170 23.5 19.1 28.7



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: 28.32 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.03 min

Lab File: BF089254.D

Acq: 24 Jul 2016 2:02

Instrument :

BNA_F

ClientSampleId :

GCF-WB-1

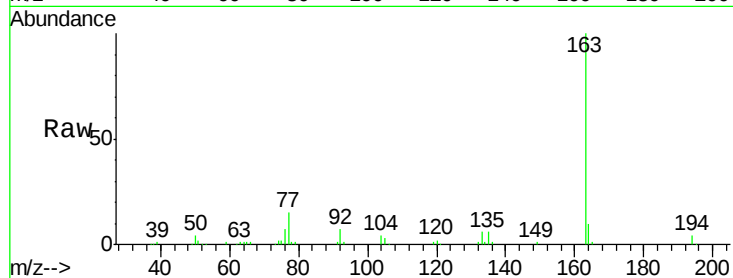
Tgt Ion:163 Resp: 181258

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

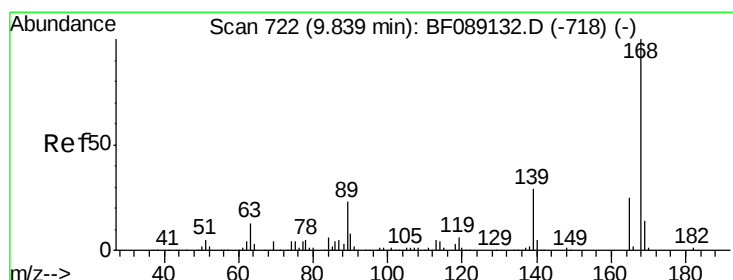
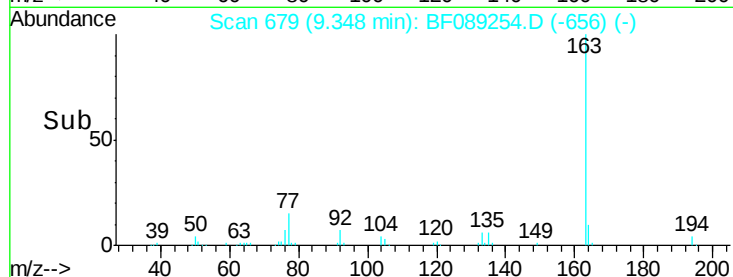
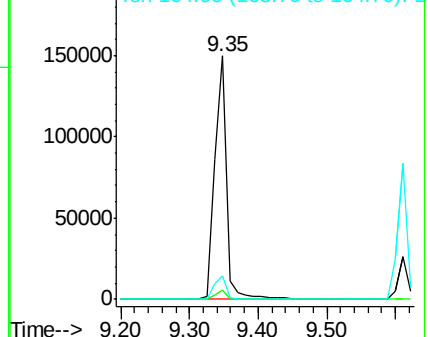
164 9.7 7.6 11.4



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



#56

2,4-Dinitrotoluene

Concen: 5.57 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.23 min

Lab File: BF089254.D

Acq: 24 Jul 2016 2:02

Tgt Ion:165 Resp: 10367

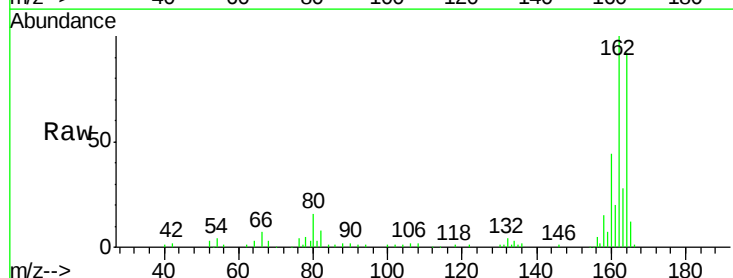
Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.2#

89 0.0 74.3 111.5#

182 0.0 2.0 3.0#

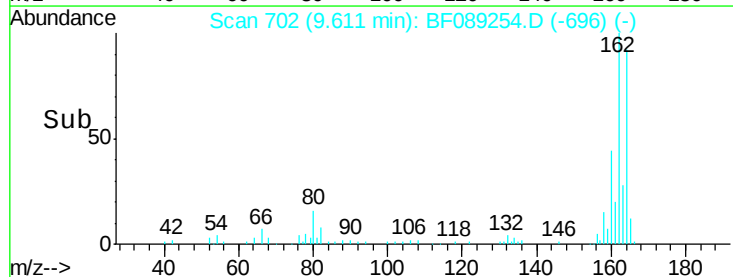
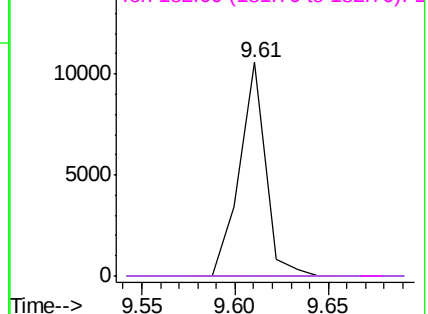


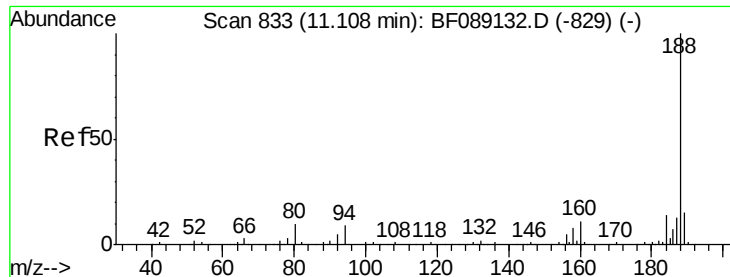
Abundance Ion 165.00 (164.70 to 165.70): E

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

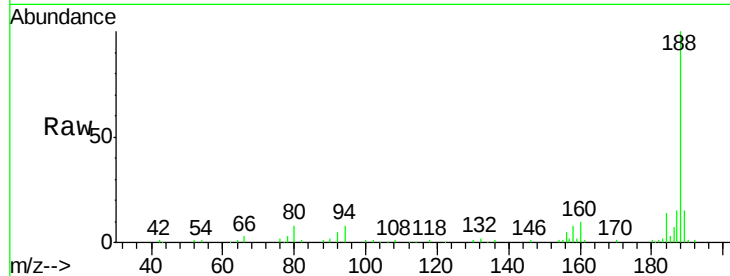




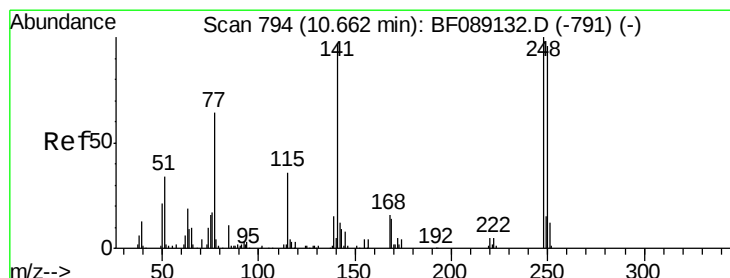
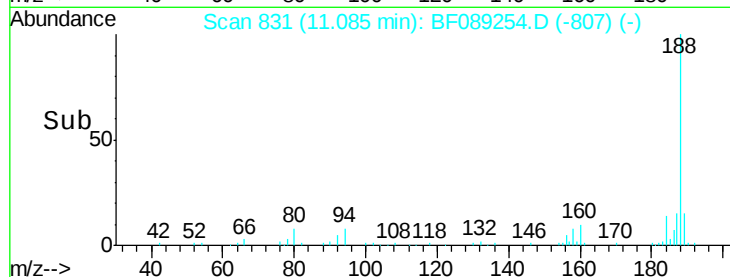
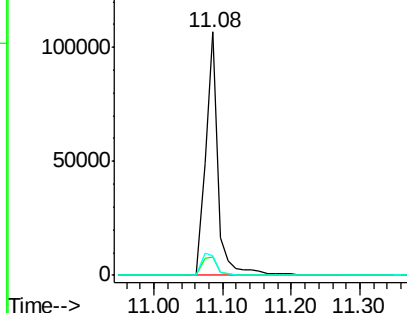
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 831
 Delta R.T. -0.02 min
 Lab File: BF089254.D
 Acq: 24 Jul 2016 2:02

Instrument :
 BNA_F
 ClientSampleId :
 GCF-WB-1

Tgt Ion:188 Resp: 132802
 Ion Ratio Lower Upper
 188 100
 94 7.5 7.0 10.4
 80 8.1 7.7 11.5

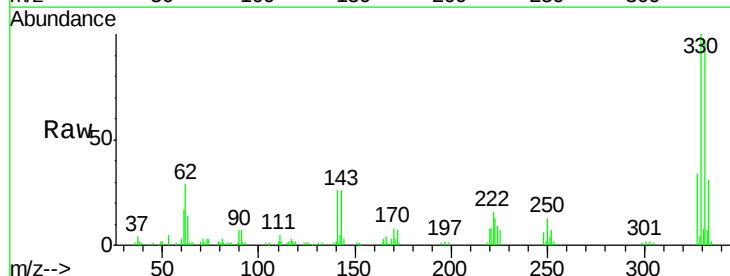


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

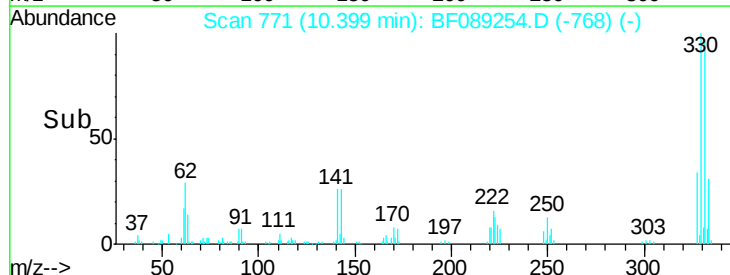
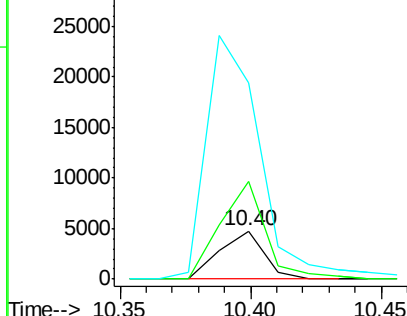


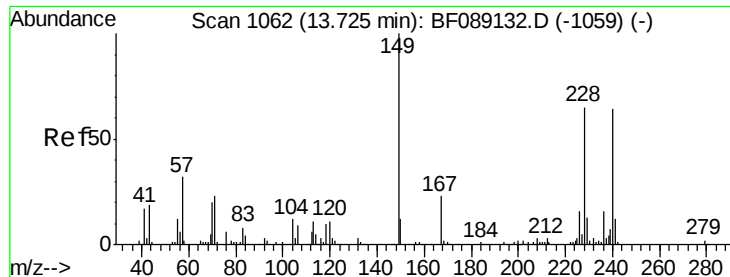
#66
 4-Bromophenyl-phenylether
 Concen: 4.35 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.26 min
 Lab File: BF089254.D
 Acq: 24 Jul 2016 2:02

Tgt Ion:248 Resp: 5719
 Ion Ratio Lower Upper
 248 100
 250 203.0 76.9 115.3#
 141 406.7 77.4 116.2#



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: 13.70 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF089254.D

Acq: 24 Jul 2016 2:02

Instrument :

BNA_F

ClientSampleId :

GCF-WB-1

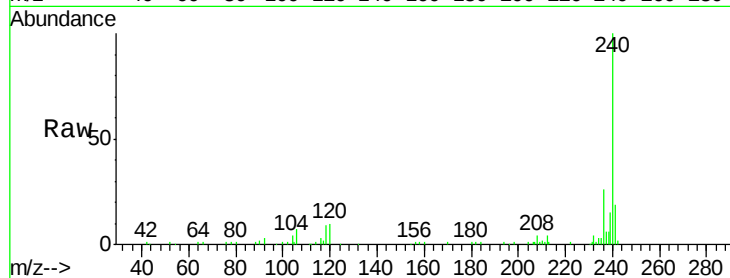
Tgt Ion:240 Resp: 87688

Ion Ratio Lower Upper

240 100

120 9.7 13.6 20.4#

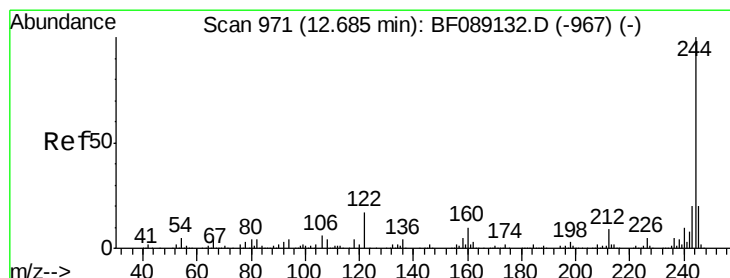
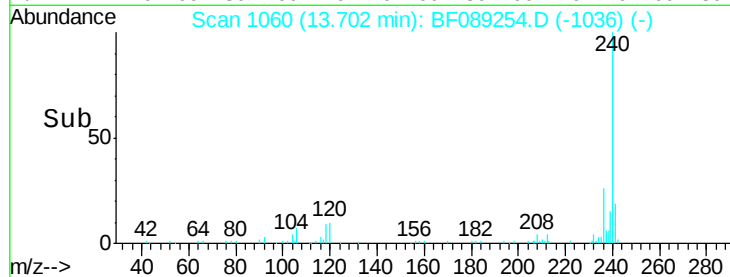
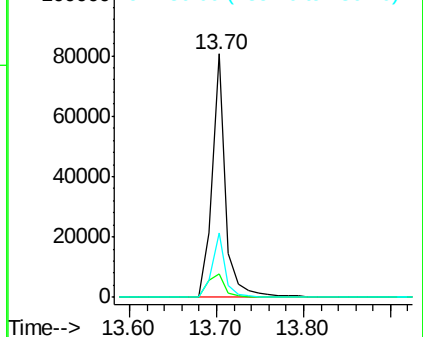
236 26.2 20.5 30.7



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: 70.06 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF089254.D

Acq: 24 Jul 2016 2:02

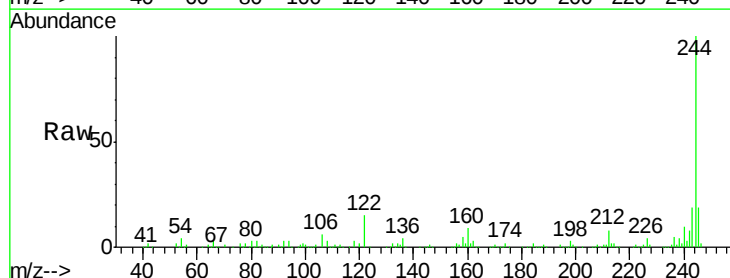
Tgt Ion:244 Resp: 283237

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

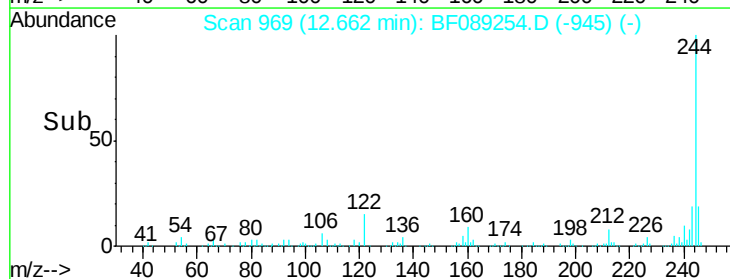
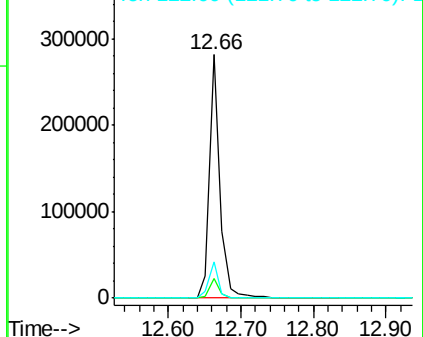
122 14.9 13.8 20.8

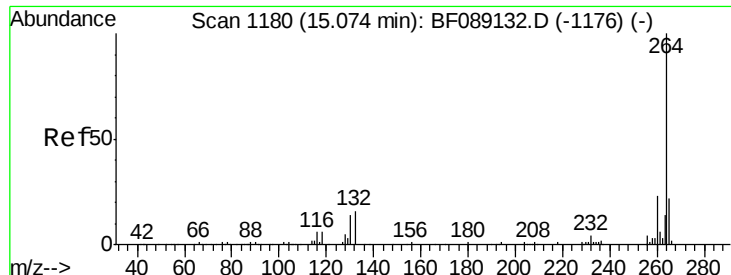


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.04 min Scan# 1177
Delta R.T. -0.03 min
Lab File: BF089254.D
Acq: 24 Jul 2016 2:02

Instrument :
BNA_F
ClientSampleId :
GCF-WB-1

Tgt Ion:264 Resp: 87003
Ion Ratio Lower Upper
264 100
260 23.7 18.5 27.7
265 21.4 17.3 25.9

