

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089253.D
 Acq On : 24 Jul 2016 1:31
 Operator : UM/SJ
 Sample : H4154-04
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GCF-WW-1

Quant Time: Jul 25 01:13:52 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

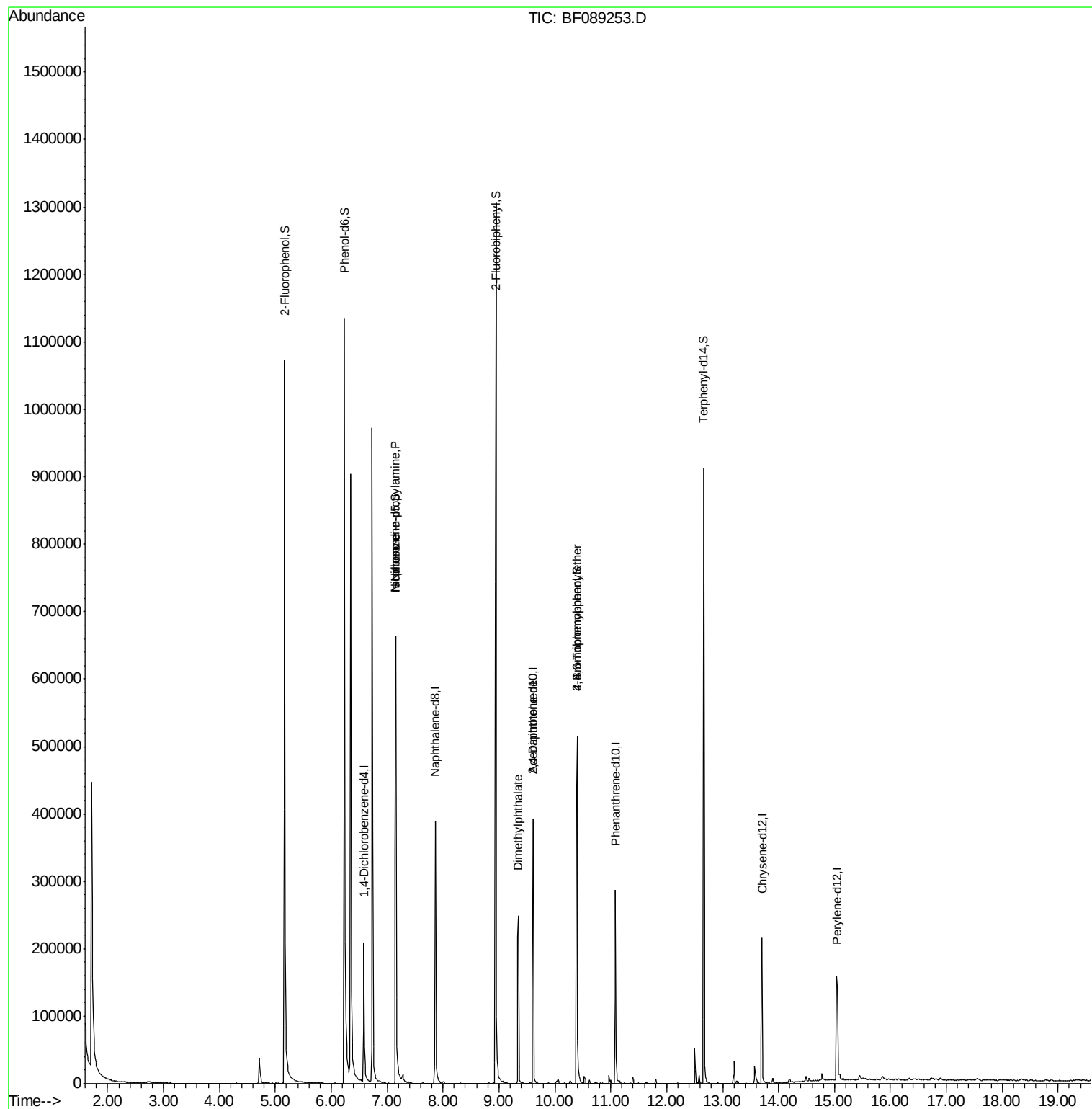
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	46940	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	205681	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	87977	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	141046	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	87963	20.00	ng	-0.02
86) Perylene-d12	15.05	264	86699	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	400268	129.69	ng	-0.02
7) Phenol-d6	6.24	99	534722	134.35	ng	-0.03
23) Nitrobenzene-d5	7.15	82	327956	84.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	84214	106.32	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	549394	86.04	ng	-0.02
78) Terphenyl-d14	12.66	244	294181	72.54	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.24	77	668	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.15	70	42464	16.31	ng	# 79
25) Isophorone	7.15	82	240101	33.65	ng	# 66
49) Dimethylphthalate	9.35	163	162871	24.12	ng	100
56) 2,4-Dinitrotoluene	9.61	165	10727	5.46	ng	# 10
66) 4-Bromophenyl-phenylether	10.40	248	6162	4.41	ng	# 1

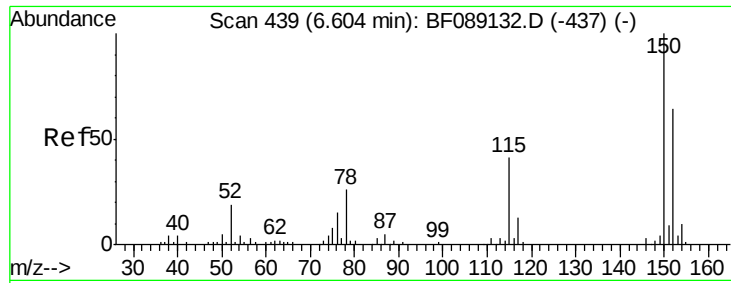
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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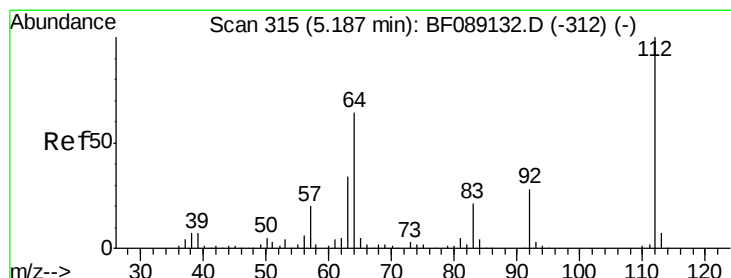
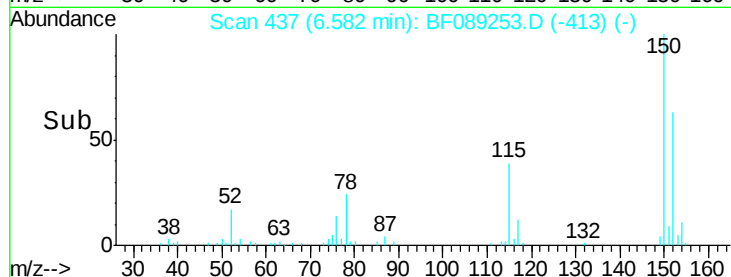
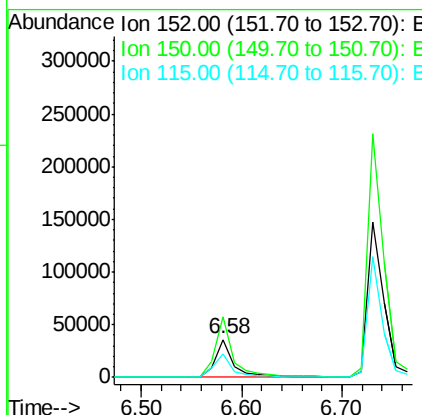
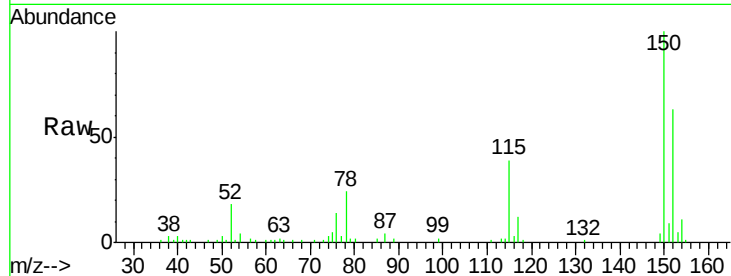




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.58 min Scan# 437
 Delta R.T. -0.02 min
 Lab File: BF089253.D
 Acq: 24 Jul 2016 1:31

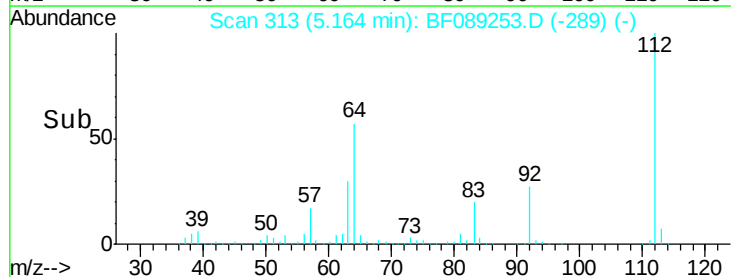
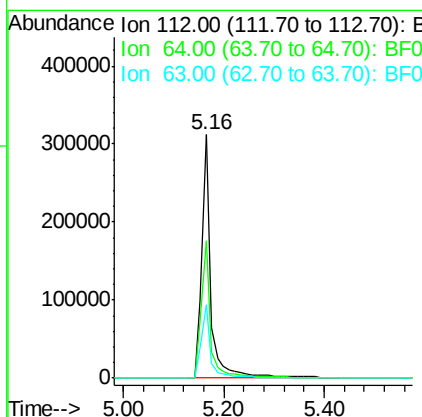
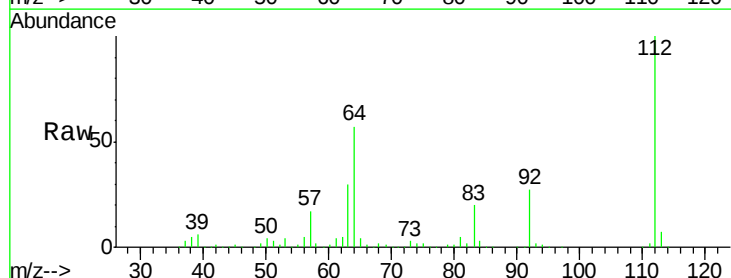
Instrument :
 BNA_F
 ClientSampleId :
 GCF-VW-1

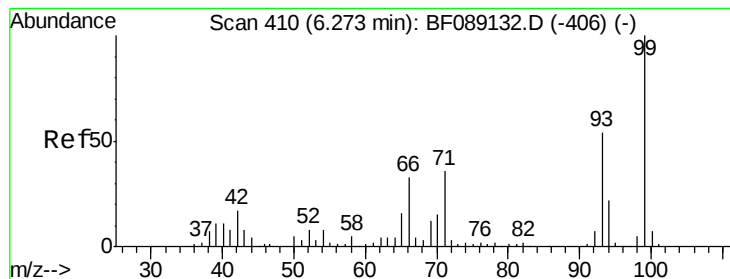
Tgt Ion:152 Resp: 46940
 Ion Ratio Lower Upper
 152 100
 150 157.5 125.1 187.7
 115 61.4 51.1 76.7



#5
 2-Fluorophenol
 Concen: 129.69 ng
 RT: 5.16 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: BF089253.D
 Acq: 24 Jul 2016 1:31

Tgt Ion:112 Resp: 400268
 Ion Ratio Lower Upper
 112 100
 64 56.7 51.0 76.4
 63 30.0 27.3 40.9





#7

Phenol-d6

Concen: 134.35 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089253.D

Acq: 24 Jul 2016 1:31

Instrument :

BNA_F

ClientSampled :

GCF-VW-1

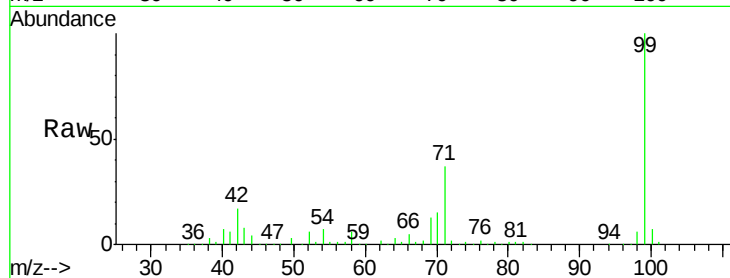
Tgt Ion: 99 Resp: 534722

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

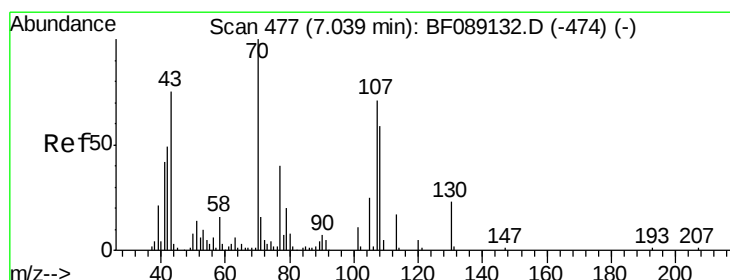
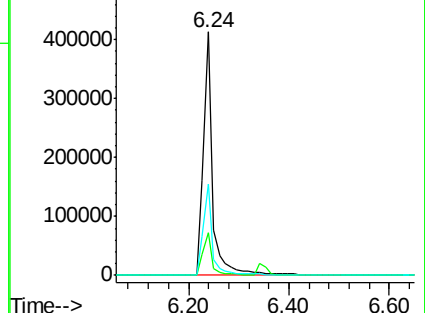
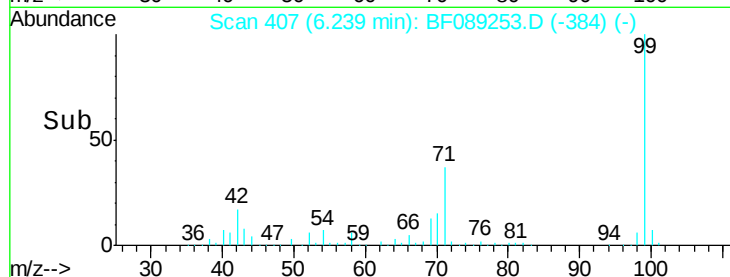
71 37.4 28.9 43.3



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: 16.31 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.11 min

Lab File: BF089253.D

Acq: 24 Jul 2016 1:31

Tgt Ion: 70 Resp: 42464

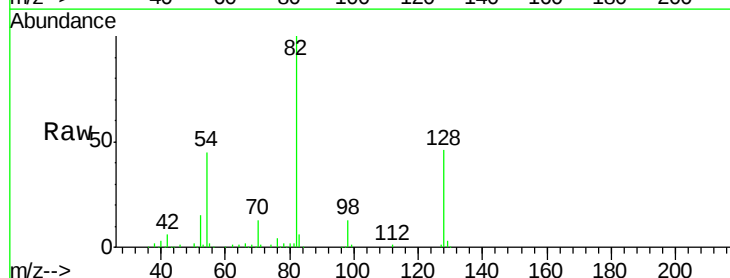
Ion Ratio Lower Upper

70 100

42 43.0 39.2 58.8

101 0.0 8.5 12.7#

130 2.3 18.4 27.6#

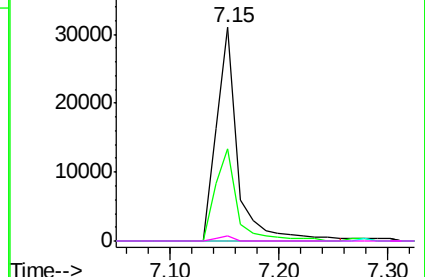
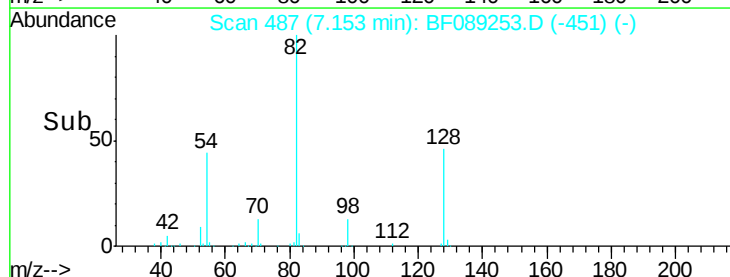


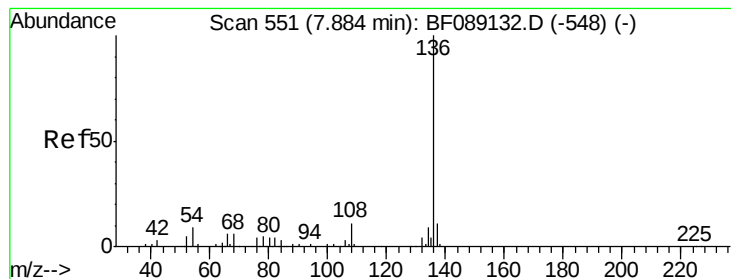
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

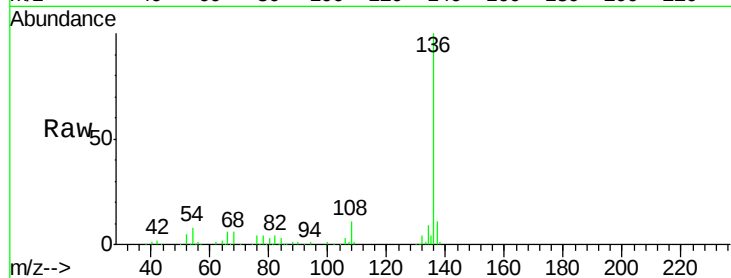




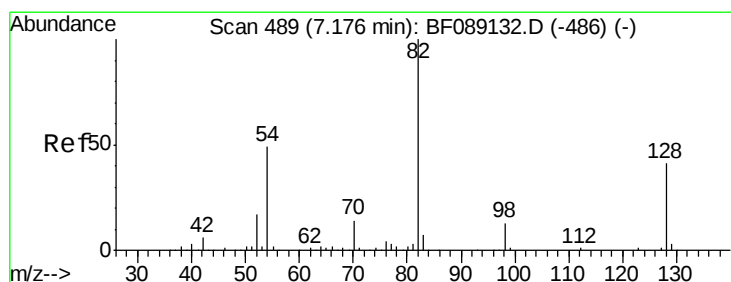
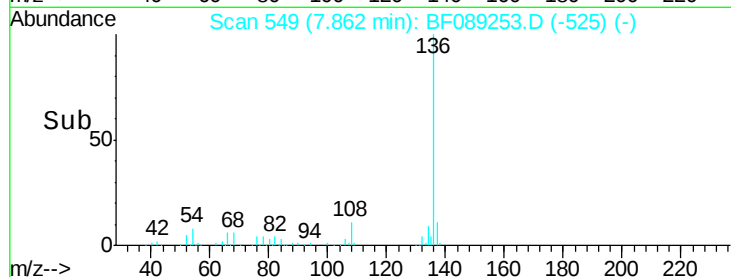
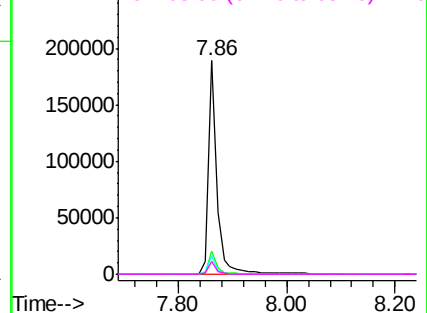
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.02 min
Lab File: BF089253.D
Acq: 24 Jul 2016 1:31

Instrument :
BNA_F
ClientSampleId :
GCF-VW-1

Tgt Ion:	136	Resp:	205681
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.1	7.0	10.4
68	6.1	5.0	7.6

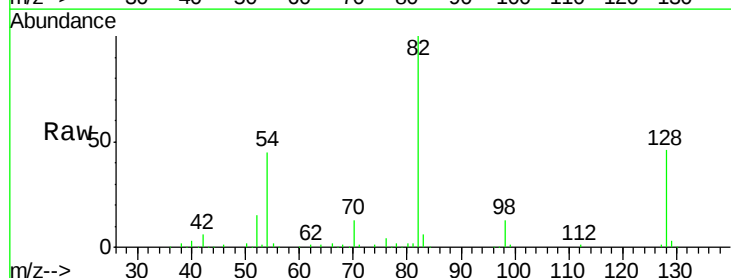


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

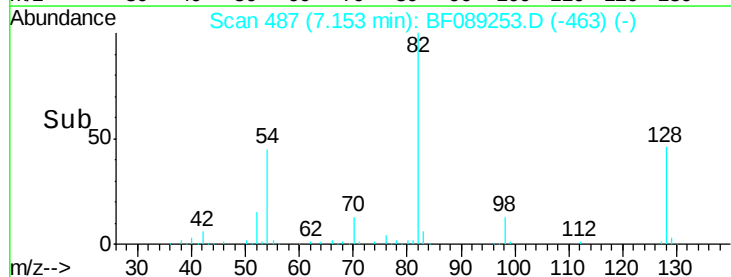
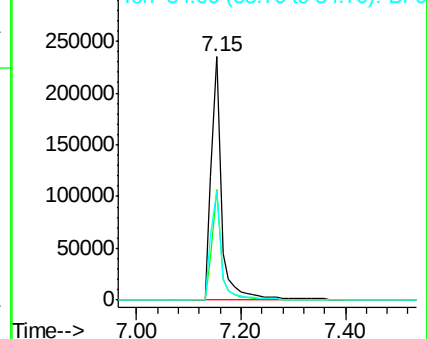


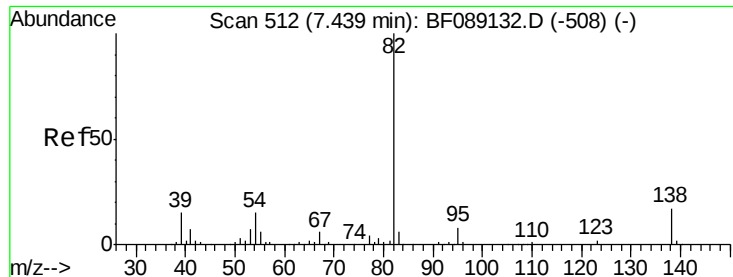
#23
Nitrobenzene-d5
Concen: 84.72 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.02 min
Lab File: BF089253.D
Acq: 24 Jul 2016 1:31

Tgt Ion:	82	Resp:	327956
Ion	Ratio	Lower	Upper
82	100		
128	45.6	33.0	49.6
54	45.1	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: 33.65 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.29 min

Lab File: BF089253.D

Acq: 24 Jul 2016 1:31

Instrument :

BNA_F

ClientSampleId :

GCF-VW-1

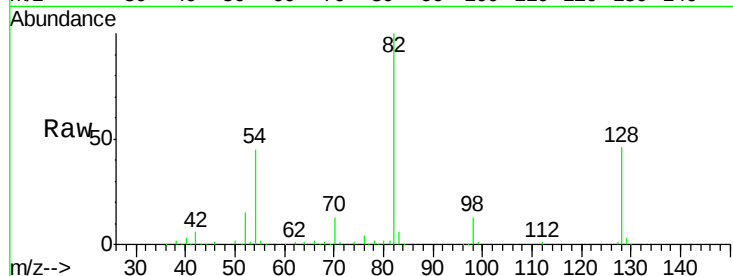
Tgt Ion: 82 Resp: 240101

Ion Ratio Lower Upper

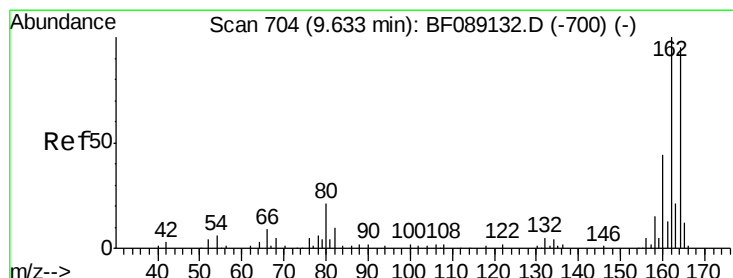
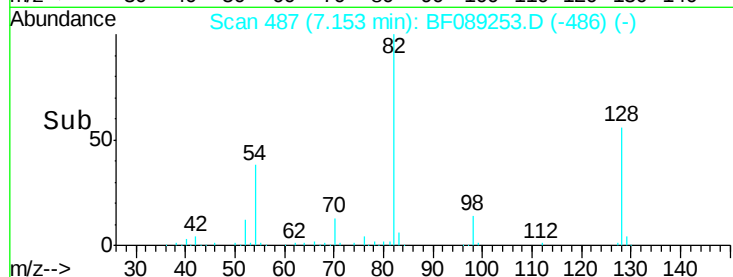
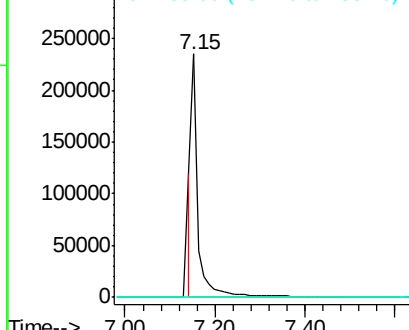
82 100

95 0.0 6.1 9.1#

138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): 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: BF089253.D

Acq: 24 Jul 2016 1:31

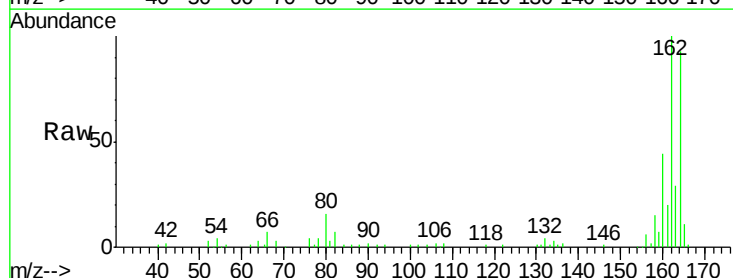
Tgt Ion: 164 Resp: 87977

Ion Ratio Lower Upper

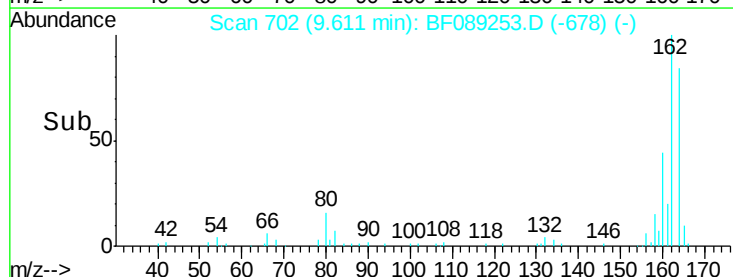
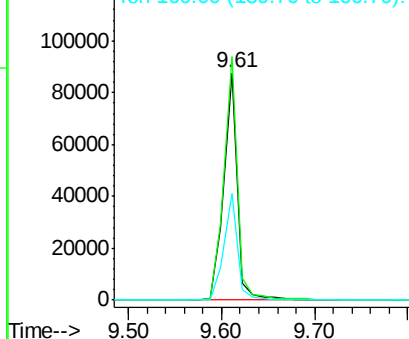
164 100

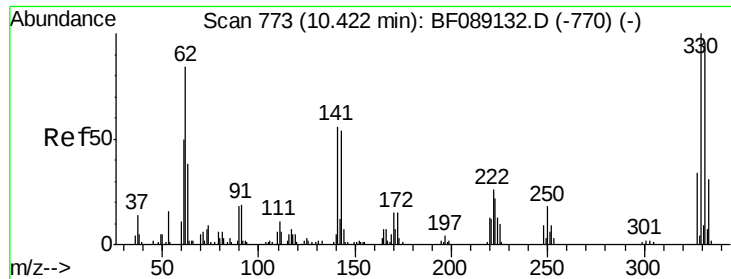
162 107.3 84.1 126.1

160 46.8 37.1 55.7



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

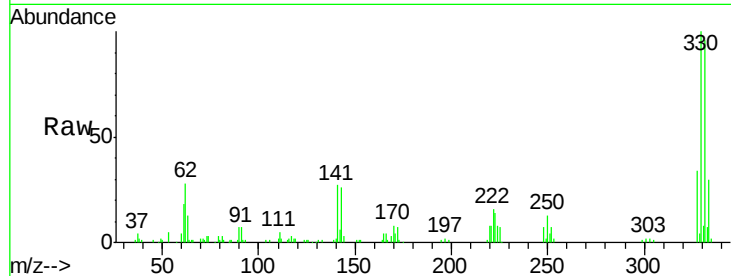




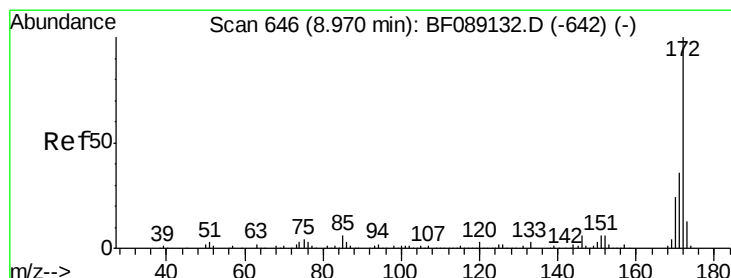
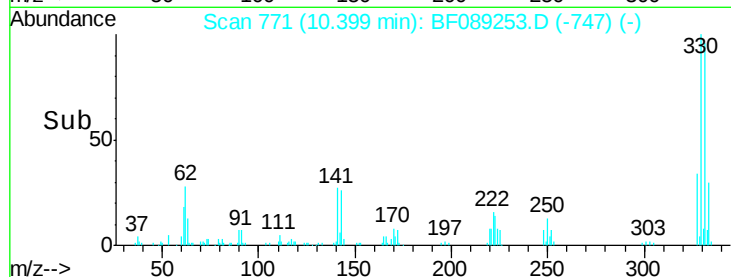
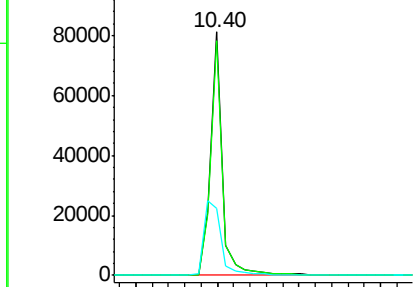
#41
 2,4,6-Tribromophenol
 Concen: 106.32 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BF089253.D
 Acq: 24 Jul 2016 1:31

Instrument :
 BNA_F
 ClientSampleId :
 GCF-VW-1

Tgt Ion:330 Resp: 84214
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.2 115.8
 141 43.8 42.2 63.2

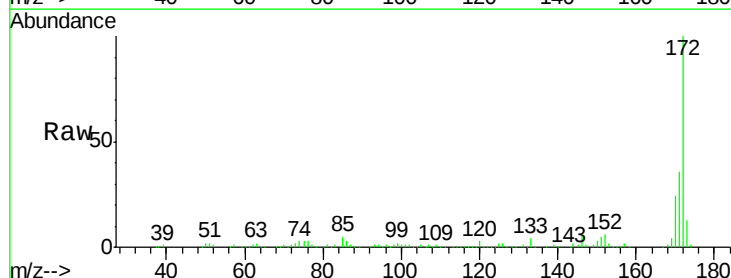


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

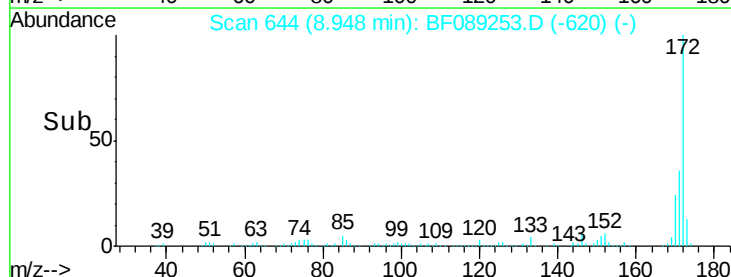
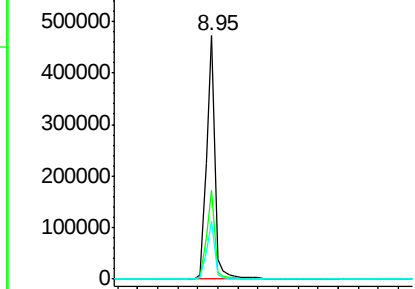


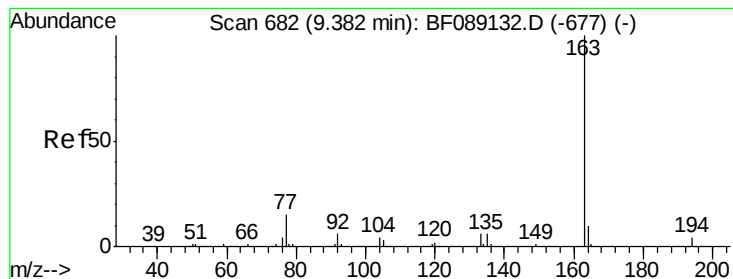
#44
 2-Fluorobiphenyl
 Concen: 86.04 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089253.D
 Acq: 24 Jul 2016 1:31

Tgt Ion:172 Resp: 549394
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.2 43.8
 170 23.7 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: 24.12 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.03 min

Lab File: BF089253.D

Acq: 24 Jul 2016 1:31

Instrument :

BNA_F

ClientSampleId :

GCF-VW-1

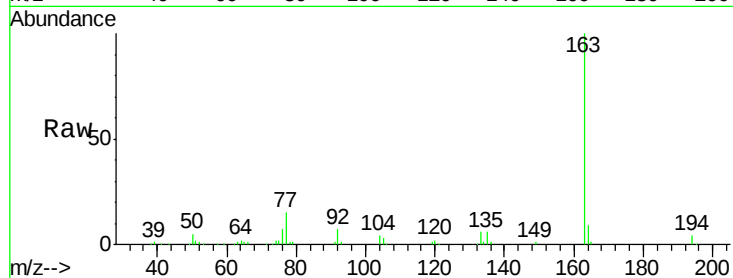
Tgt Ion:163 Resp: 162871

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

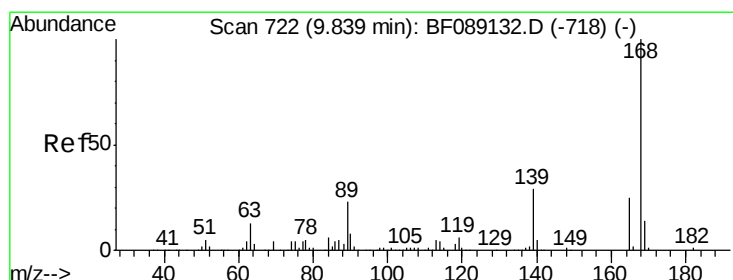
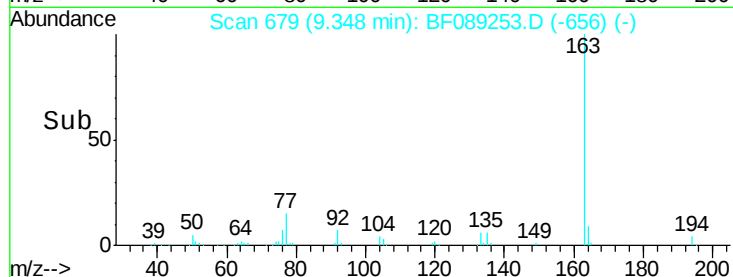
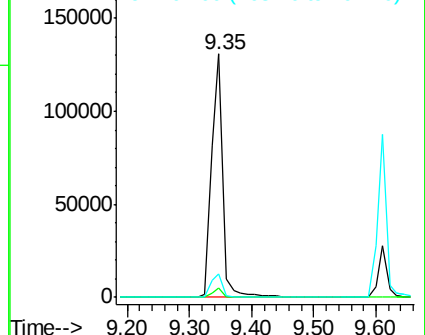
164 9.4 7.6 11.4



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: 5.46 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.23 min

Lab File: BF089253.D

Acq: 24 Jul 2016 1:31

Tgt Ion:165 Resp: 10727

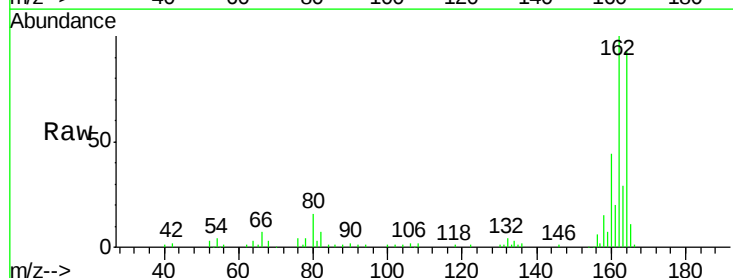
Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.2#

89 0.0 74.3 111.5#

182 0.0 2.0 3.0#

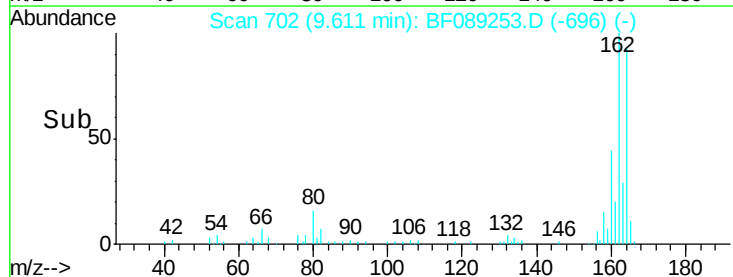
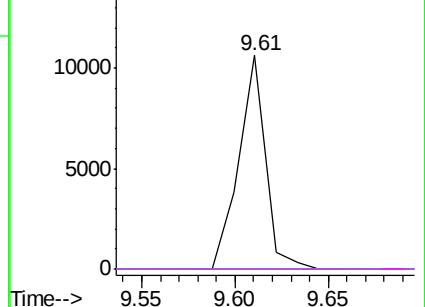


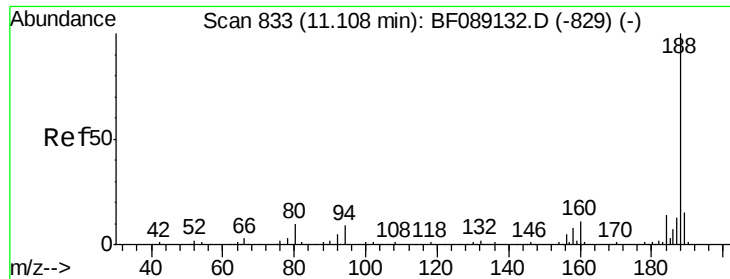
Abundance Ion 165.00 (164.70 to 165.70): E

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

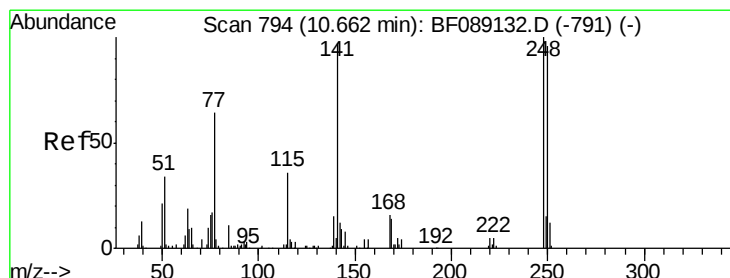
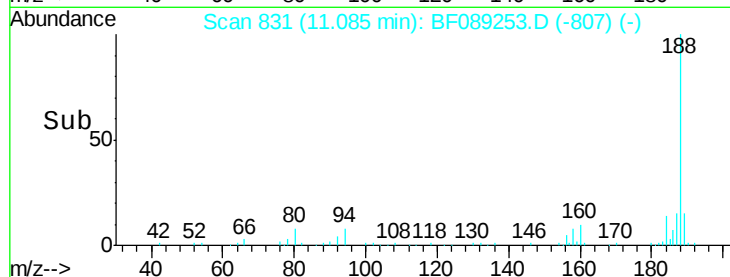
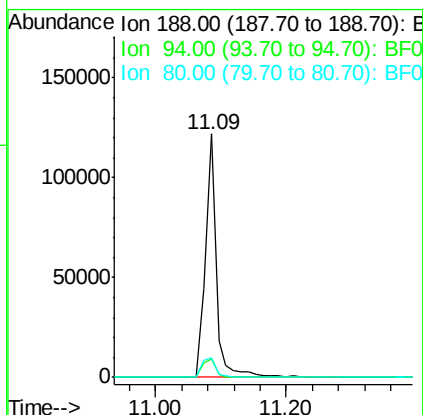
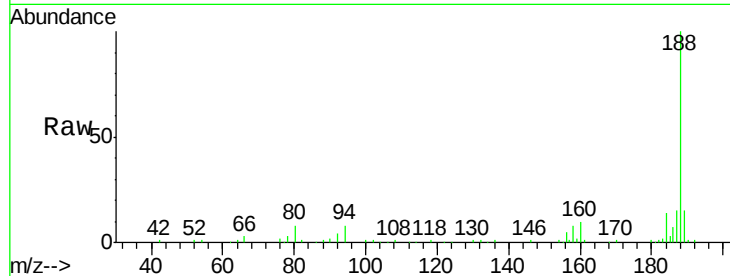




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.09 min Scan# 831
 Delta R.T. -0.02 min
 Lab File: BF089253.D
 Acq: 24 Jul 2016 1:31

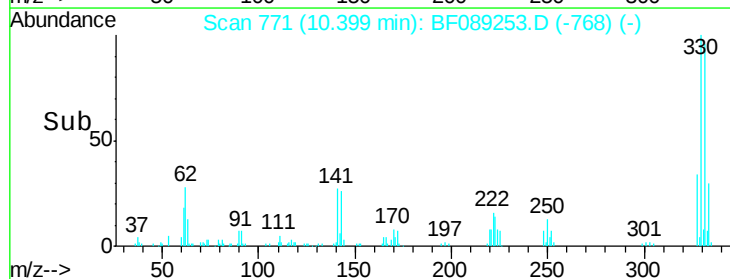
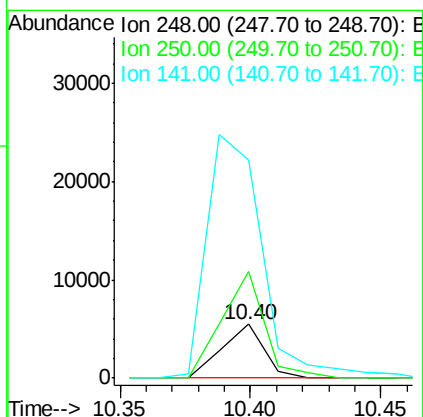
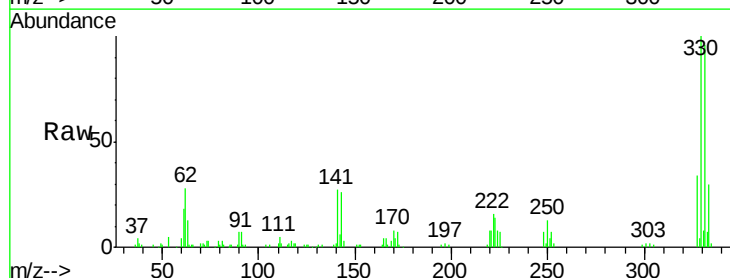
Instrument :
 BNA_F
 ClientSampleId :
 GCF-VW-1

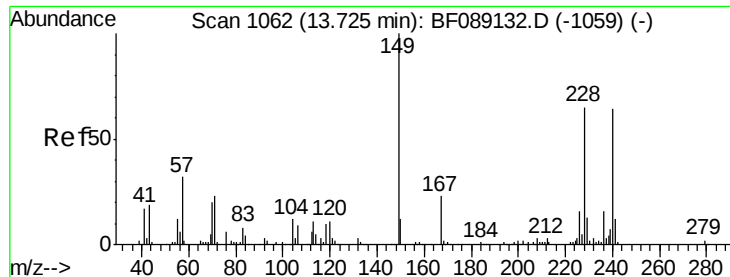
Tgt Ion:188 Resp: 141046
 Ion Ratio Lower Upper
 188 100
 94 7.7 7.0 10.4
 80 8.1 7.7 11.5



#66
 4-Bromophenyl-phenylether
 Concen: 4.41 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.26 min
 Lab File: BF089253.D
 Acq: 24 Jul 2016 1:31

Tgt Ion:248 Resp: 6162
 Ion Ratio Lower Upper
 248 100
 250 198.4 76.9 115.3#
 141 403.9 77.4 116.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF089253.D

Acq: 24 Jul 2016 1:31

Instrument :

BNA_F

ClientSampleId :

GCF-VW-1

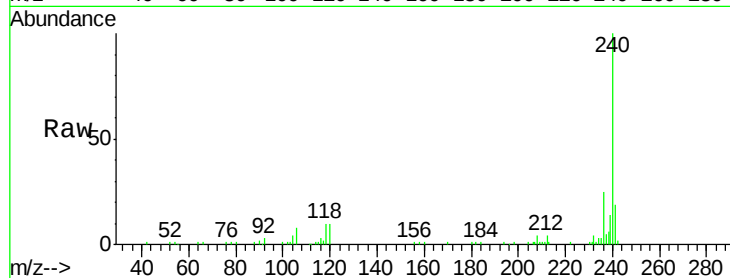
Tgt Ion:240 Resp: 87963

Ion Ratio Lower Upper

240 100

120 10.1 13.6 20.4#

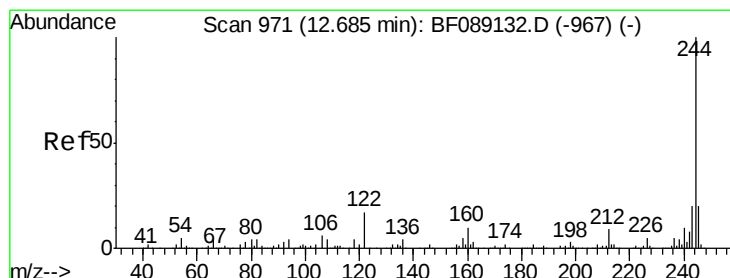
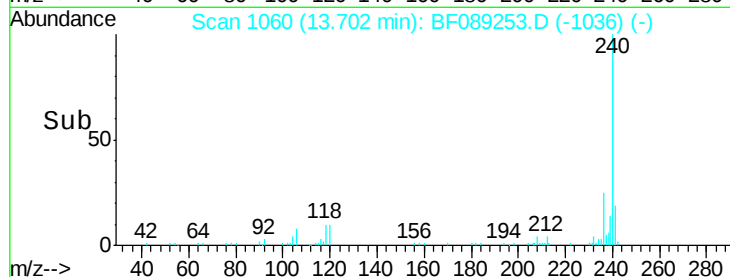
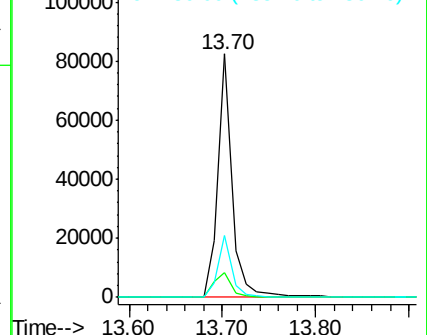
236 25.1 20.5 30.7



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: 72.54 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF089253.D

Acq: 24 Jul 2016 1:31

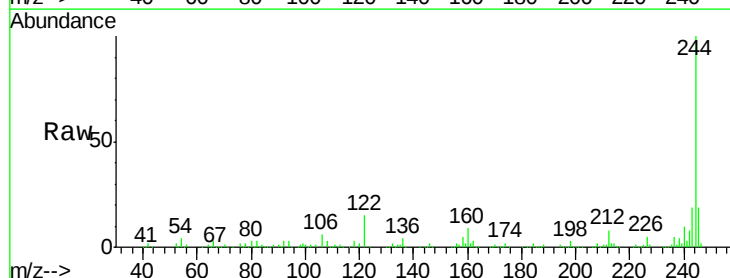
Tgt Ion:244 Resp: 294181

Ion Ratio Lower Upper

244 100

212 8.3 7.0 10.4

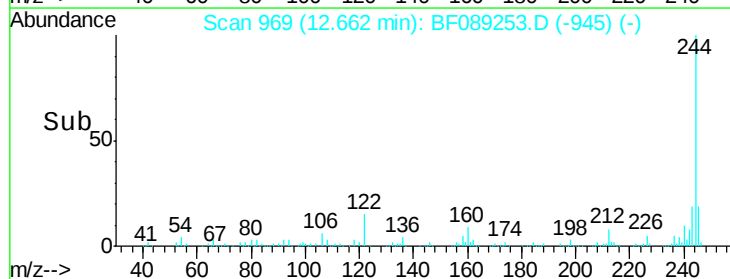
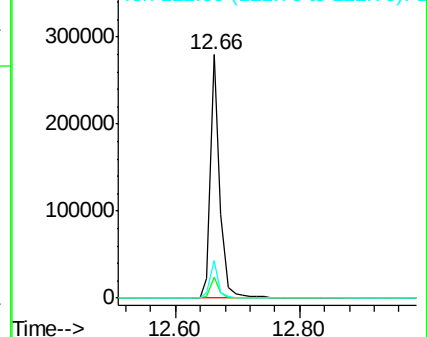
122 15.2 13.8 20.8

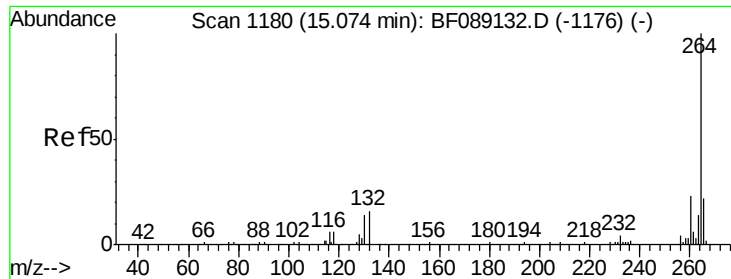


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

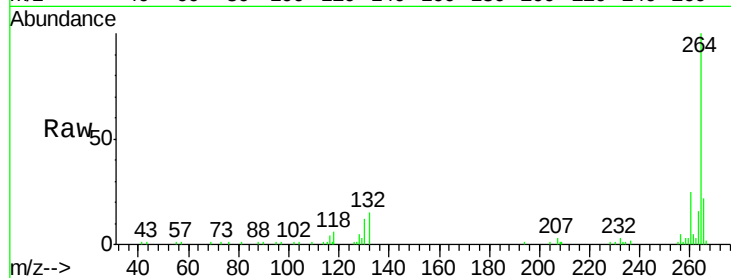




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BF089253.D
Acq: 24 Jul 2016 1:31

Instrument :
BNA_F
ClientSampleId :
GCF-WW-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.5	27.7
265	21.7	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

