

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089885.D
 Acq On : 24 Aug 2016 20:00
 Operator : UM/SJ
 Sample : H4577-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-MW04-081816

Quant Time: Aug 25 12:21:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

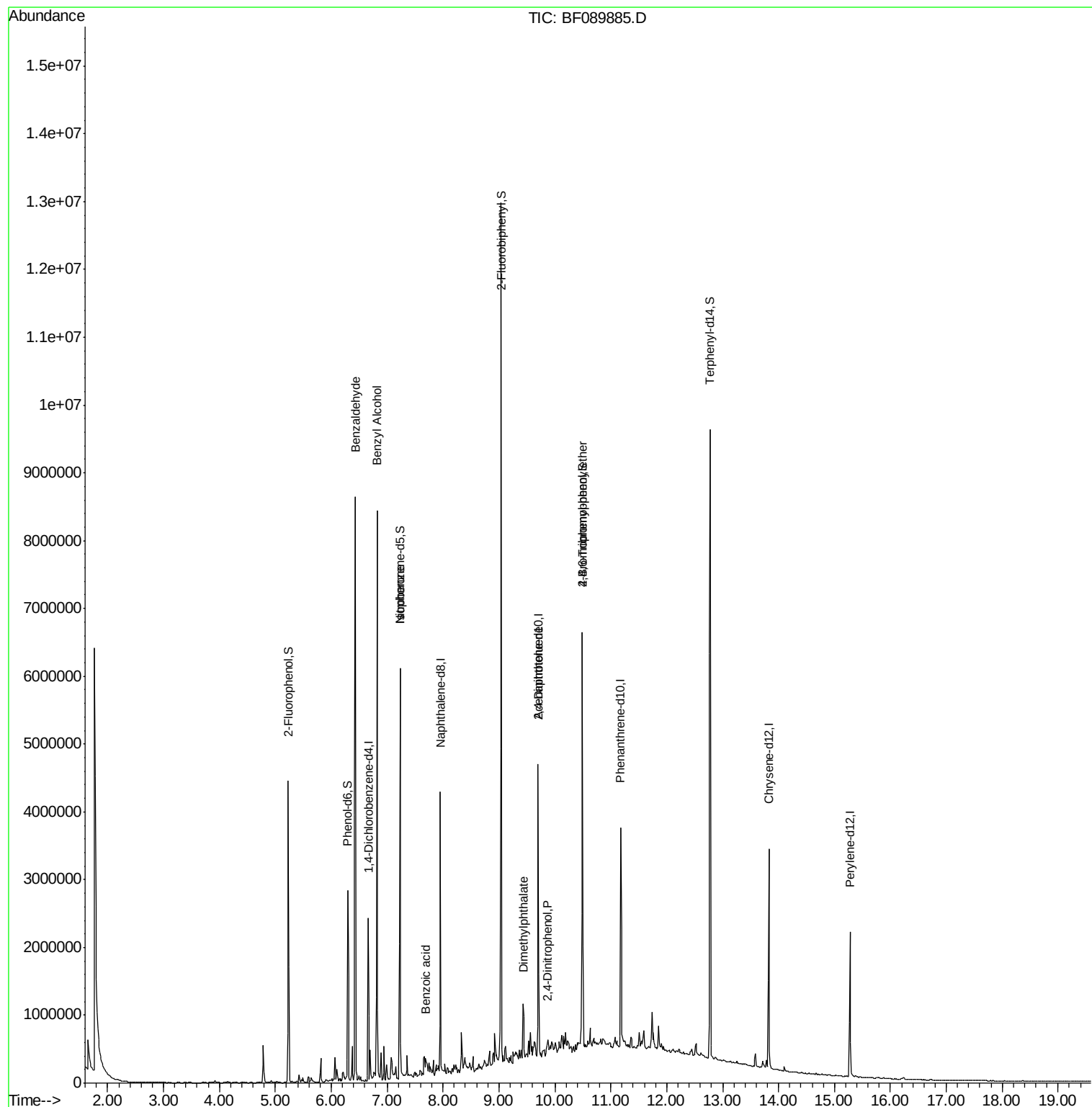
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	406235	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1763524	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	802864	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1403611	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	1206030	20.00	ng	-0.05
86) Perylene-d12	15.28	264	912990	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1511599	63.81	ng	-0.02
7) Phenol-d6	6.30	99	1289411	44.34	ng	-0.02
23) Nitrobenzene-d5	7.23	82	2042158	71.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	907692	118.96	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	3974863	87.01	ng	-0.01
78) Terphenyl-d14	12.78	244	3480146	65.28	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.43	77	61357	3.24	ng	Qvalue 86
15) Benzyl Alcohol	6.82	79	45456	2.36	ng	# 56
25) Isophorone	7.23	82	1538867	26.88	ng	# 67
32) Benzoic acid	7.69	122	94232	4.22	ng	97
49) Dimethylphthalate	9.44	163	447803	7.92	ng	100
53) 2,4-Dinitrophenol	9.86	184	251	2.23	ng	# 1
56) 2,4-Dinitrotoluene	9.70	165	115972	6.85	ng	# 39
66) 4-Bromophenyl-phenylether	10.49	248	49827	3.39	ng	# 1

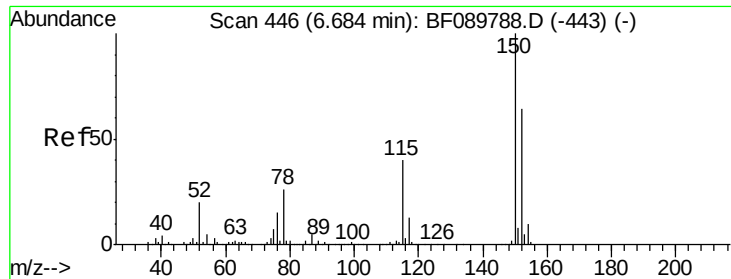
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

GW-MW04-081816

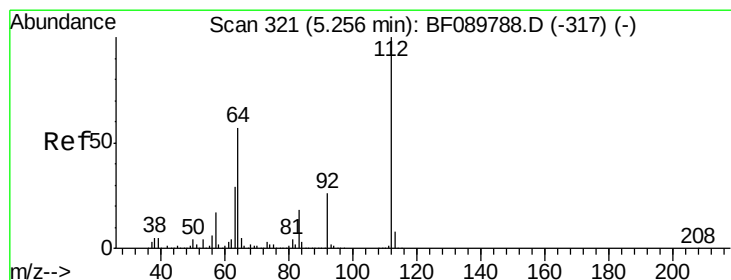
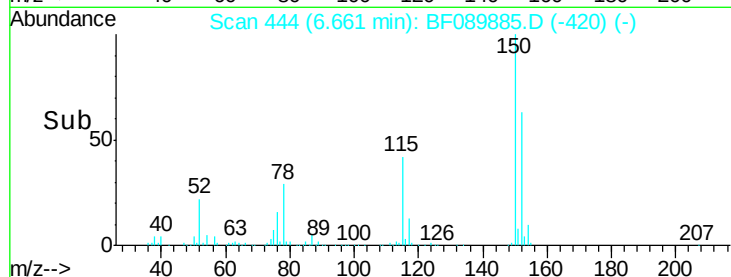
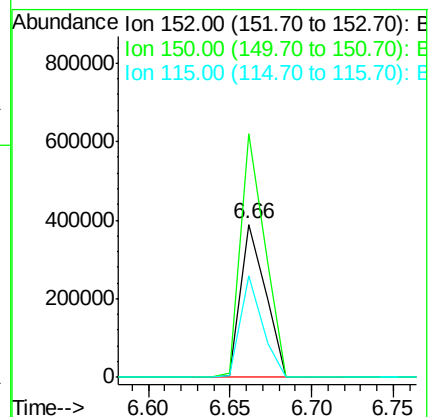
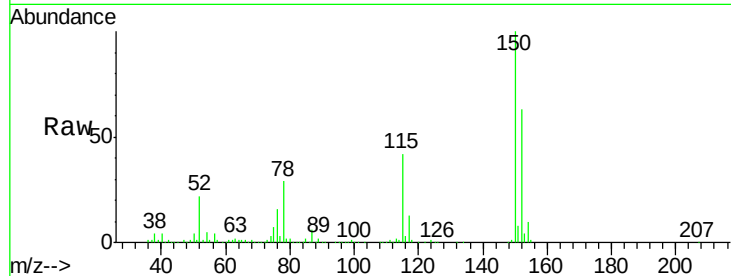
Tgt Ion:152 Resp: 406235

Ion Ratio Lower Upper

152 100

150 159.4 125.3 187.9

115 66.3 40.9 61.3#



#5

2-Fluorophenol

Concen: 63.81 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.02 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

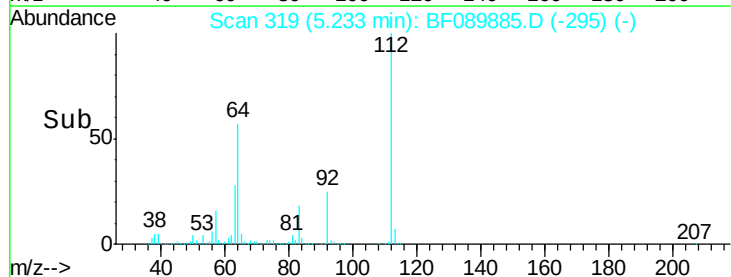
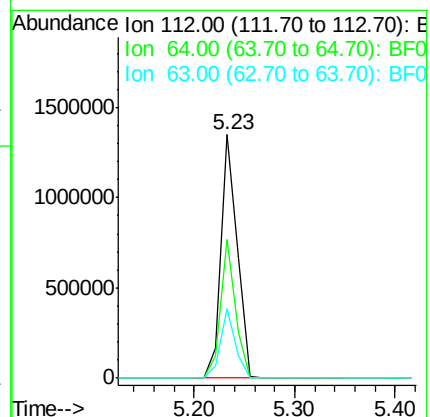
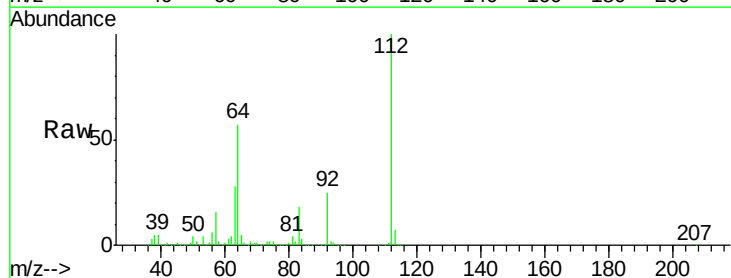
Tgt Ion:112 Resp: 1511599

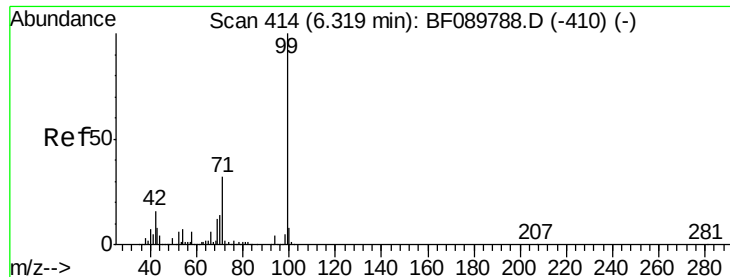
Ion Ratio Lower Upper

112 100

64 56.9 45.0 67.4

63 28.5 23.1 34.7





#7

Phenol-d6

Concen: 44.34 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

GW-MW04-081816

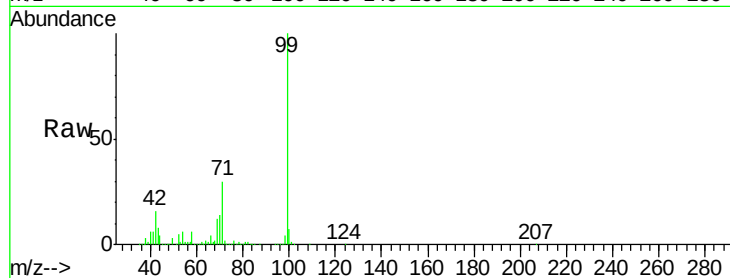
Tgt Ion: 99 Resp: 1289411

Ion Ratio Lower Upper

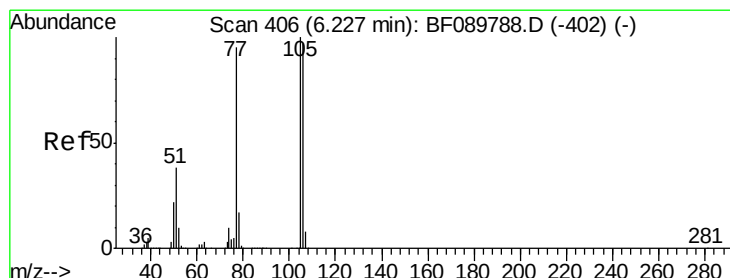
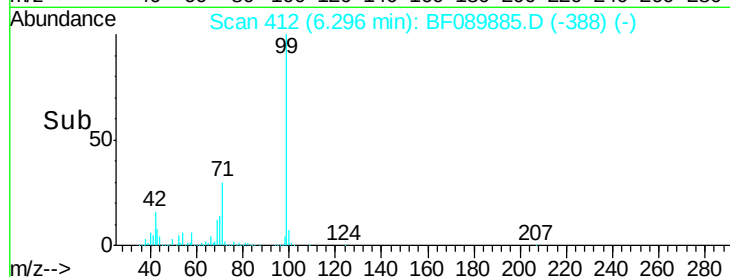
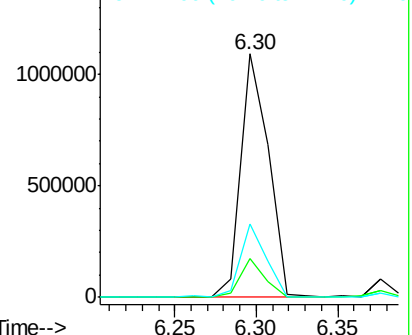
99 100

42 16.1 12.2 18.4

71 30.4 23.8 35.8



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



#9

Benzaldehyde

Concen: 3.24 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.21 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

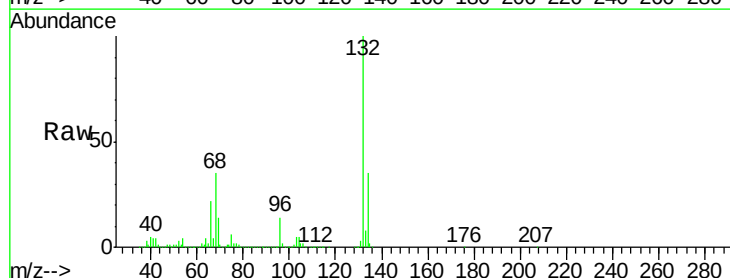
Tgt Ion: 77 Resp: 61357

Ion Ratio Lower Upper

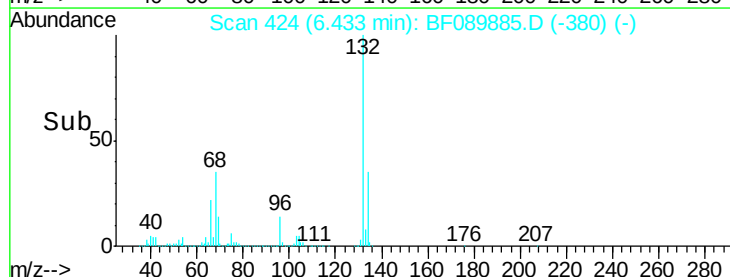
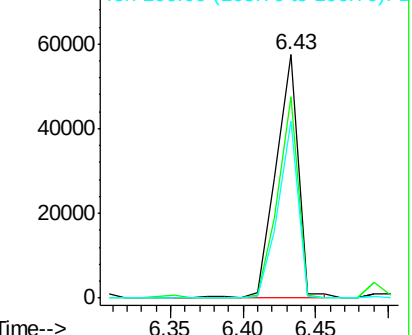
77 100

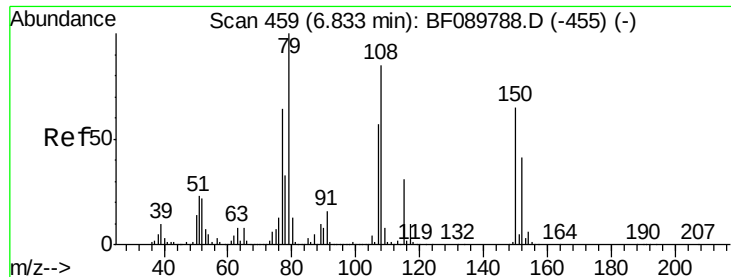
105 82.7 73.3 113.3

106 72.8 68.6 108.6



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.36 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

GW-MW04-081816

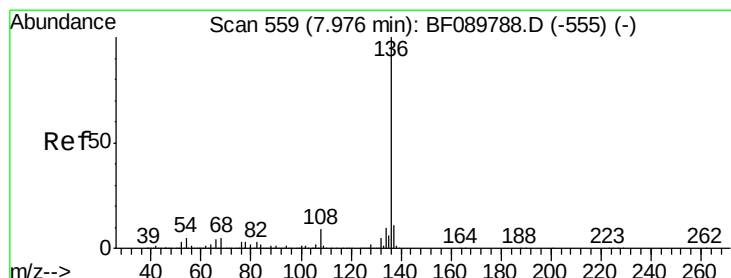
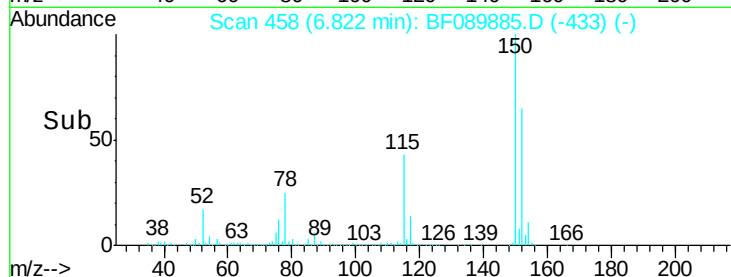
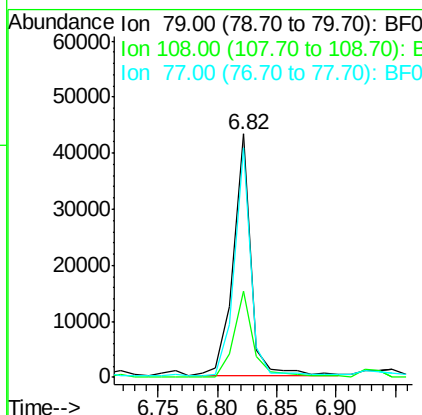
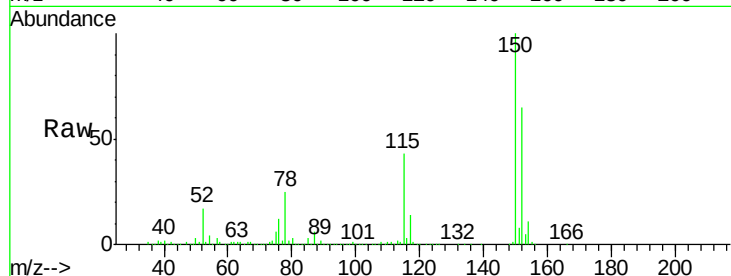
Tgt Ion: 79 Resp: 45456

Ion Ratio Lower Upper

79 100

108 35.6 62.5 93.7#

77 94.2 51.5 77.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

Tgt Ion: 136 Resp: 1763524

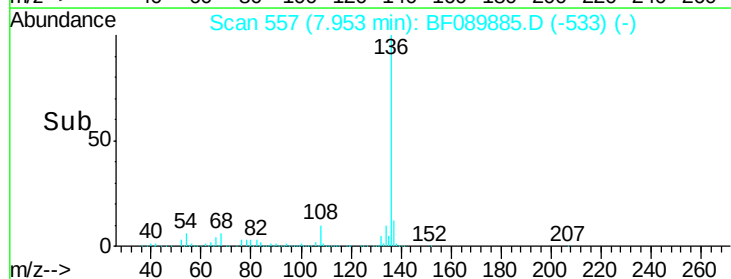
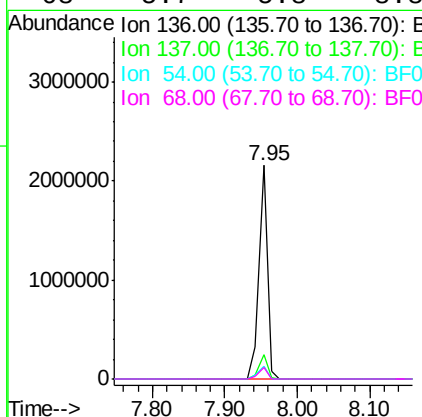
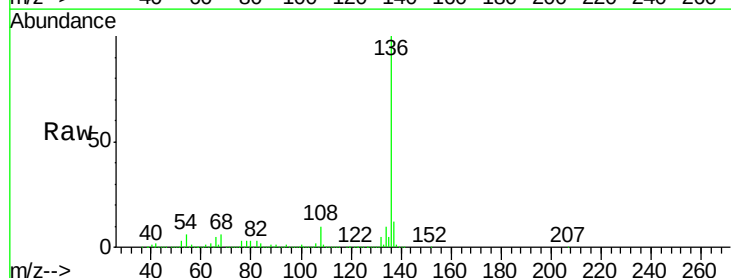
Ion Ratio Lower Upper

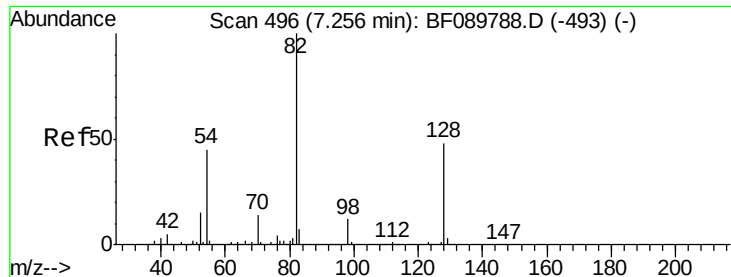
136 100

137 11.6 9.2 13.8

54 6.2 7.2 10.8#

68 5.7 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 71.94 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

GW-MW04-081816

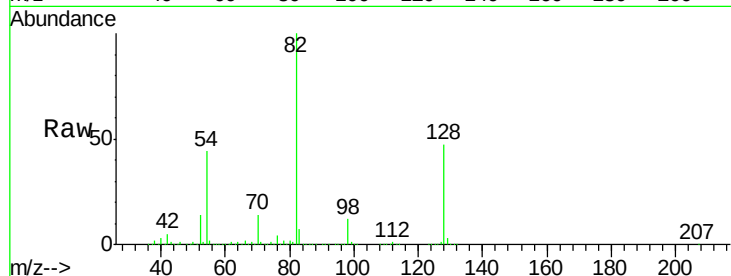
Tgt Ion: 82 Resp: 2042158

Ion Ratio Lower Upper

82 100

128 47.1 34.4 51.6

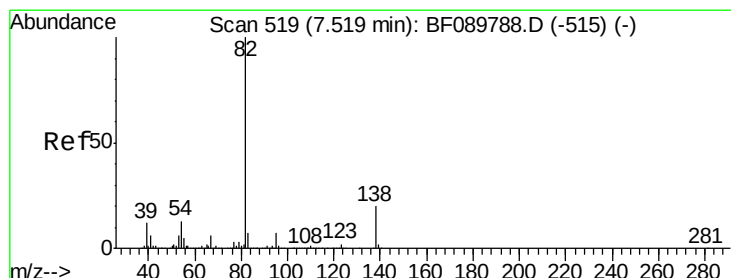
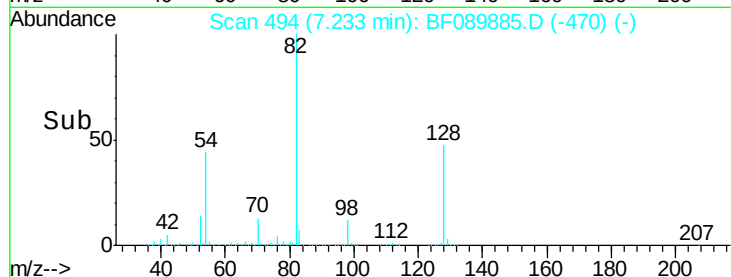
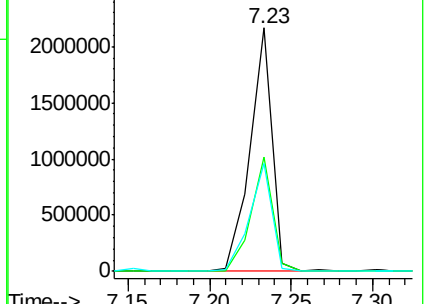
54 44.4 40.3 60.5



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: 26.88 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.29 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

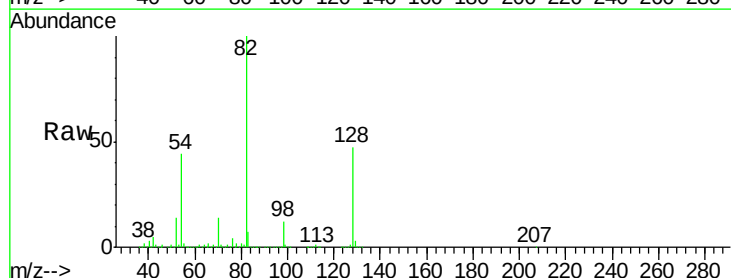
Tgt Ion: 82 Resp: 1538867

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

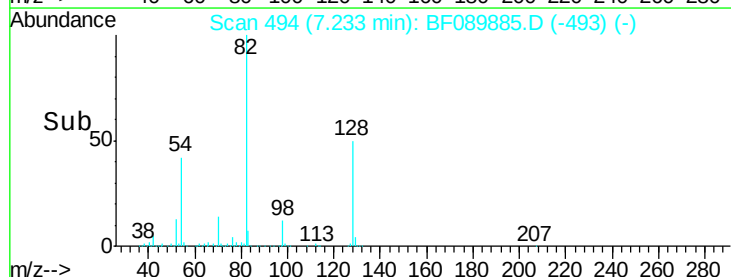
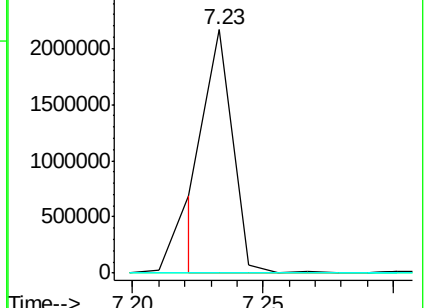
138 0.0 13.0 19.4#

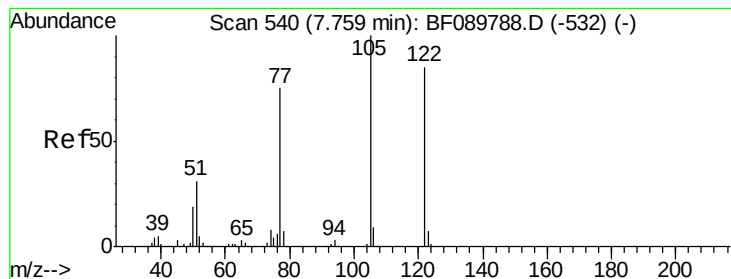


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#32

Benzoic acid

Concen: 4.22 ng

RT: 7.69 min Scan# 534

Delta R.T. -0.07 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

GW-MW04-081816

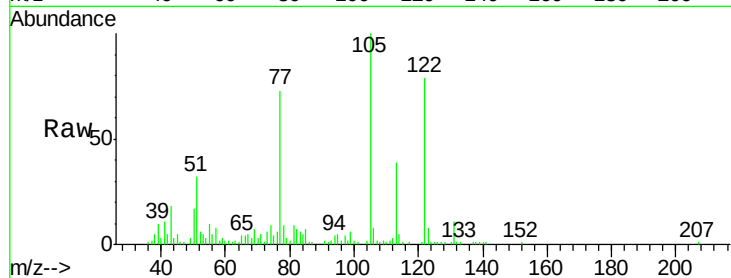
Tgt Ion:122 Resp: 94232

Ion Ratio Lower Upper

122 100

105 125.8 100.8 140.8

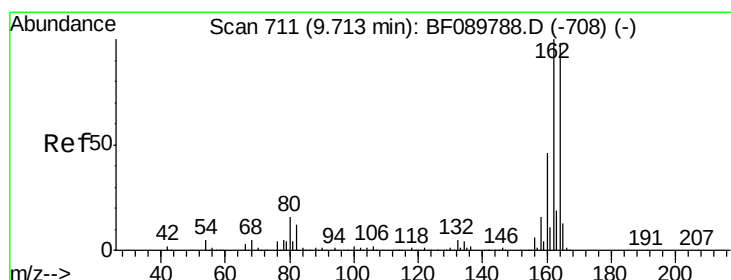
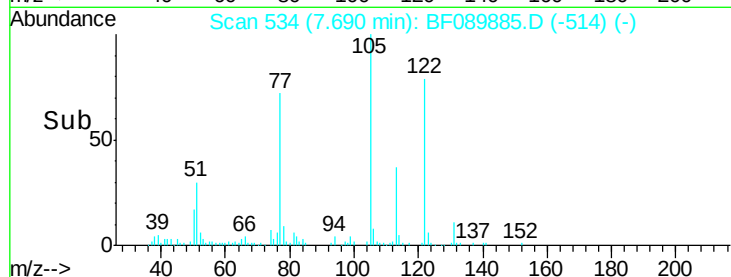
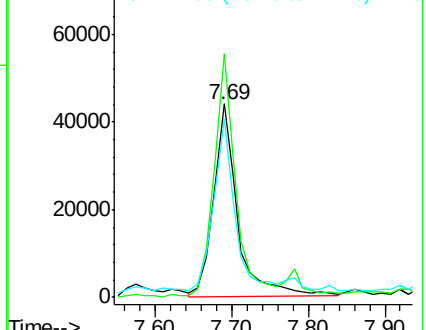
77 92.3 72.1 112.1



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

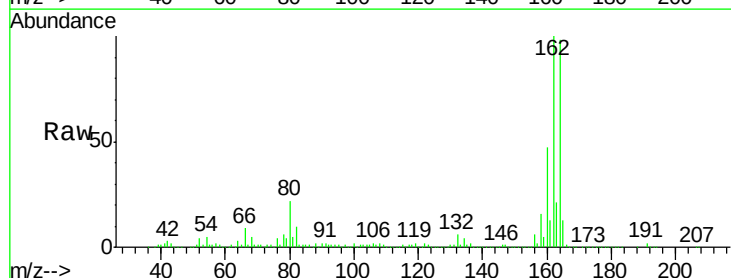
Tgt Ion:164 Resp: 802864

Ion Ratio Lower Upper

164 100

162 101.6 81.4 122.2

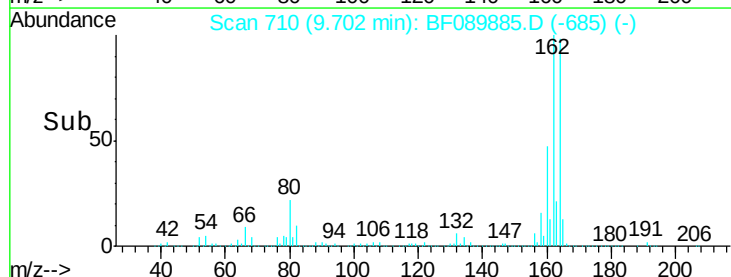
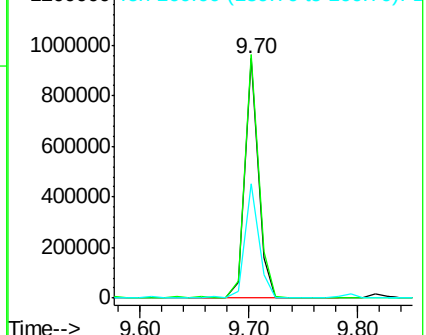
160 47.9 37.8 56.6

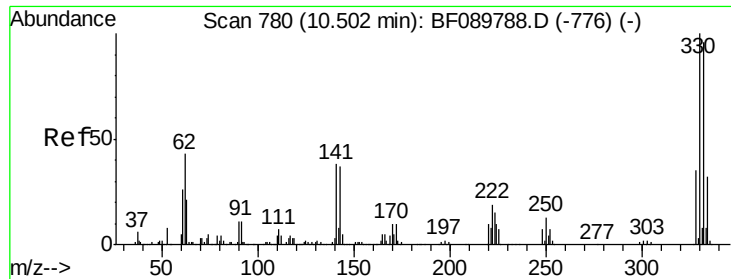


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

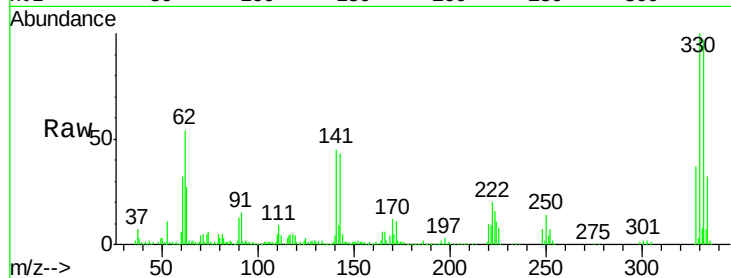




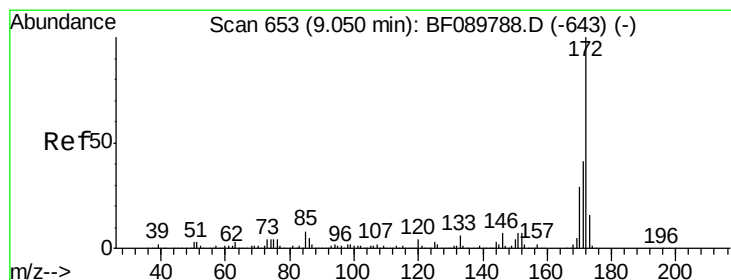
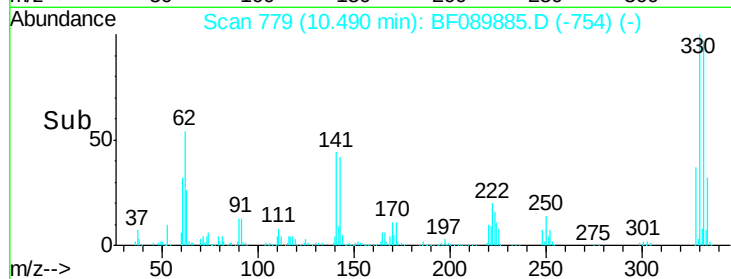
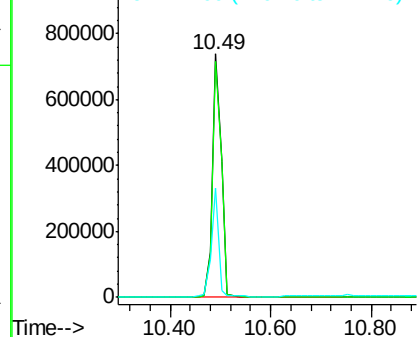
#41
 2,4,6-Tribromophenol
 Concen: 118.96 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089885.D
 Acq: 24 Aug 2016 20:00

Instrument :
 BNA_F
 ClientSampleId :
 GW-MW04-081816

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.7	115.1
141	35.8	30.2	45.2

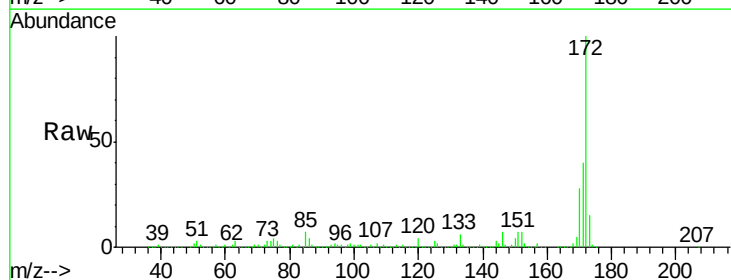


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

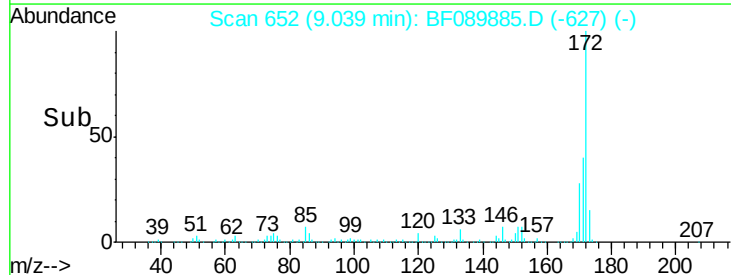
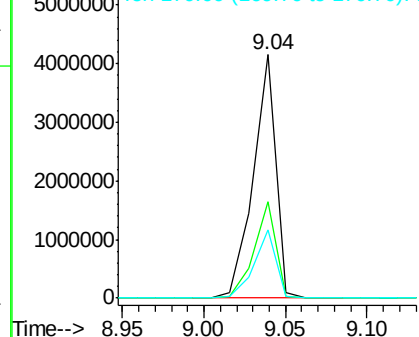


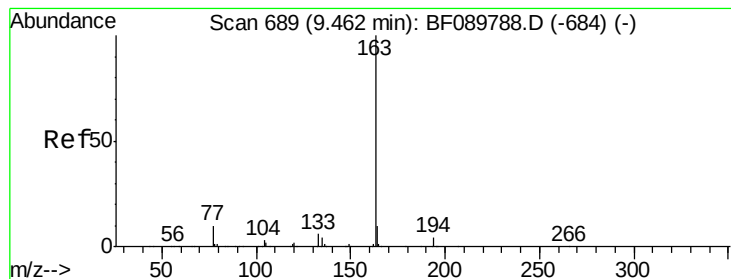
#44
 2-Fluorobiphenyl
 Concen: 87.01 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089885.D
 Acq: 24 Aug 2016 20:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.8	30.5	45.7
170	27.8	20.6	31.0



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: 7.92 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

GW-MW04-081816

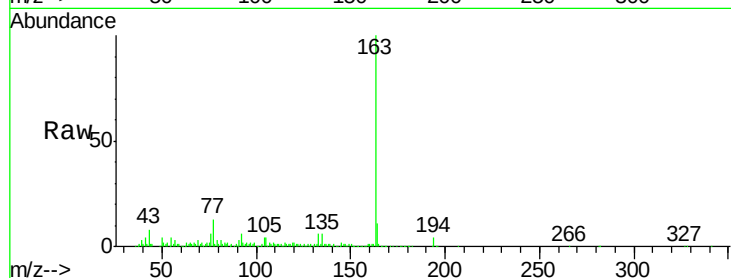
Tgt Ion:163 Resp: 447803

Ion Ratio Lower Upper

163 100

194 3.7 2.6 3.8

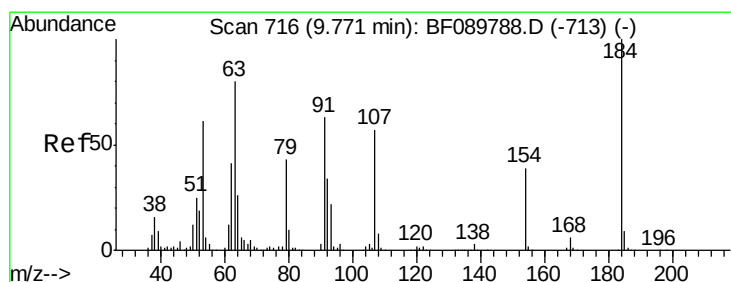
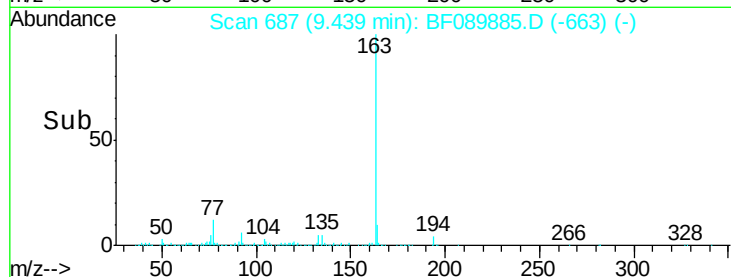
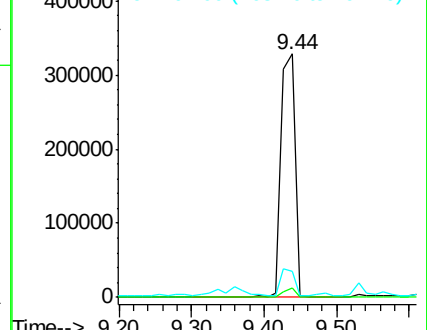
164 10.7 8.6 12.8



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



#53

2,4-Dinitrophenol

Concen: 2.23 ng

RT: 9.86 min Scan# 724

Delta R.T. 0.09 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

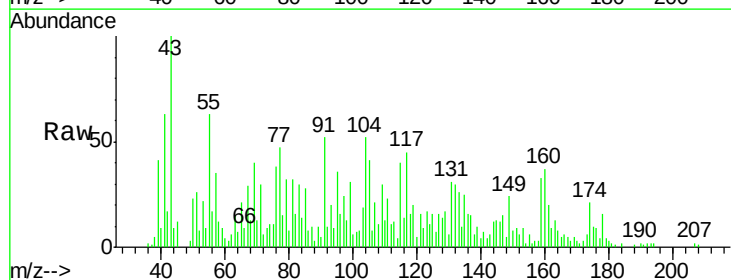
Tgt Ion:184 Resp: 251

Ion Ratio Lower Upper

184 100

63 989.9 54.2 81.4#

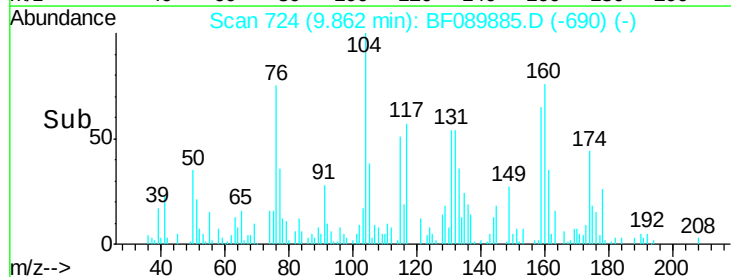
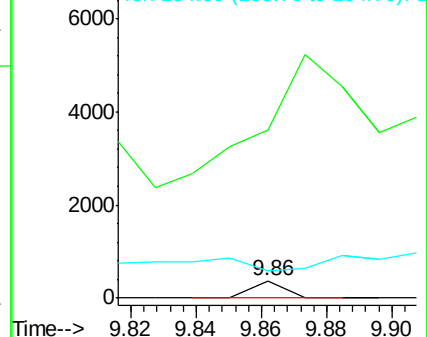
154 157.7 52.7 79.1#

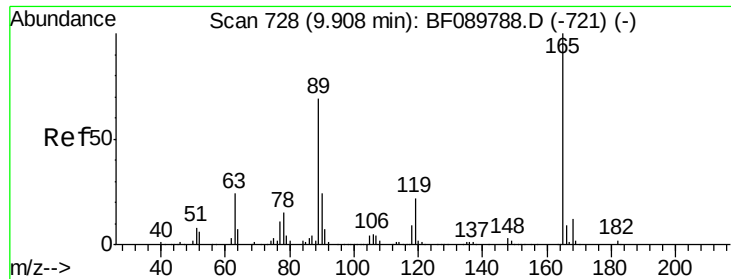


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

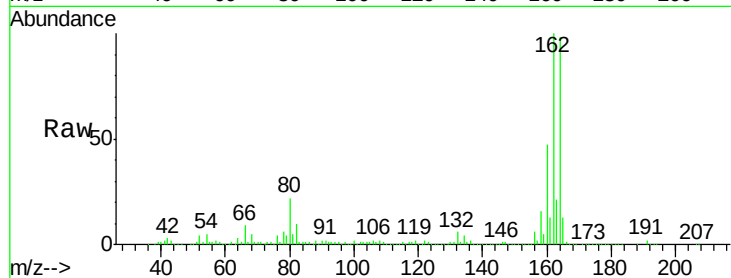




#56
 2,4-Dinitrotoluene
 Concen: 6.85 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.21 min
 Lab File: BF089885.D
 Acq: 24 Aug 2016 20:00

Instrument :
 BNA_F
 ClientSampleId :
 GW-MW04-081816

Tgt Ion:	165	Resp:	115972
Ion	Ratio	Lower	Upper
165	100		
63	3.7	23.7	35.5#
89	3.5	44.0	66.0#
182	0.6	2.0	3.0#

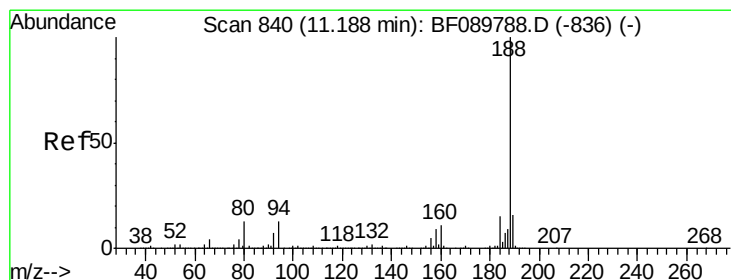
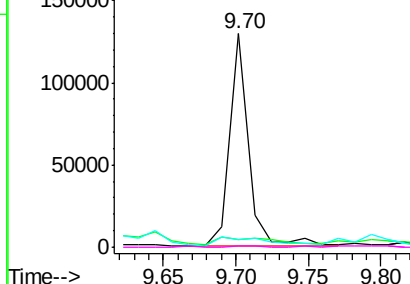
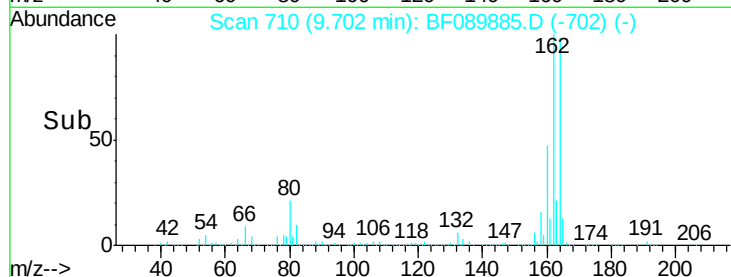


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

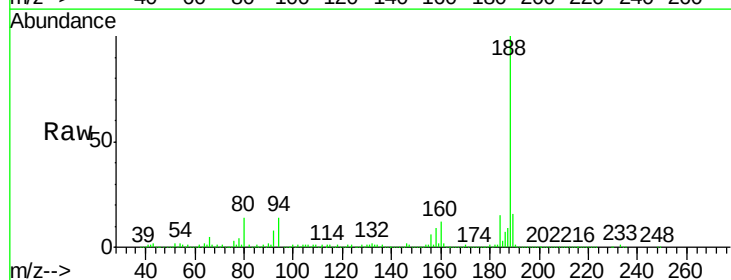
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF089885.D
 Acq: 24 Aug 2016 20:00

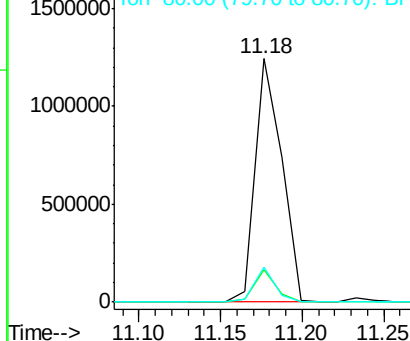
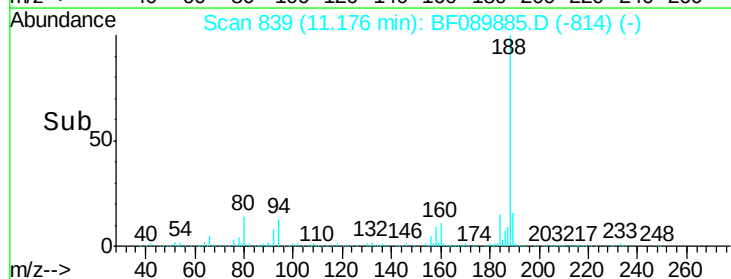
Tgt Ion:	188	Resp:	1403611
Ion	Ratio	Lower	Upper
188	100		
94	13.6	10.2	15.2
80	14.3	10.9	16.3

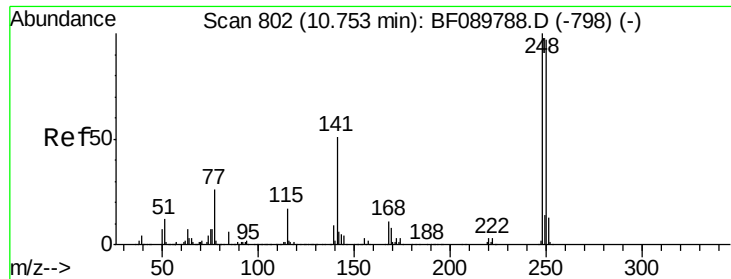


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

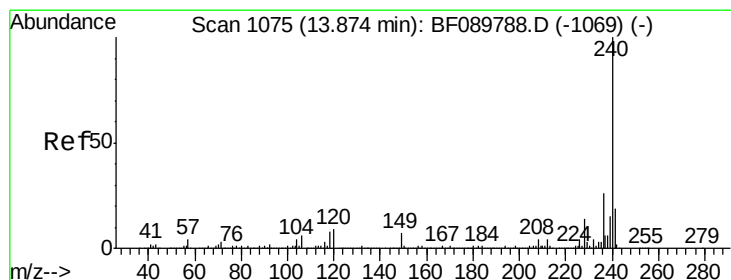
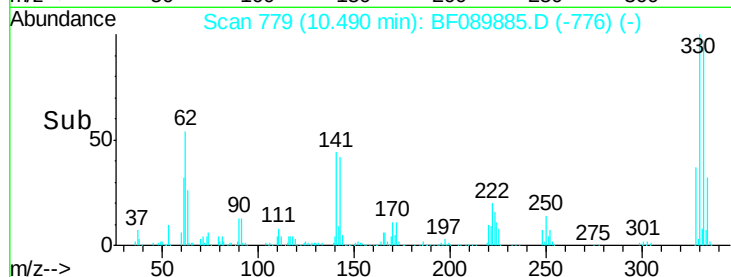
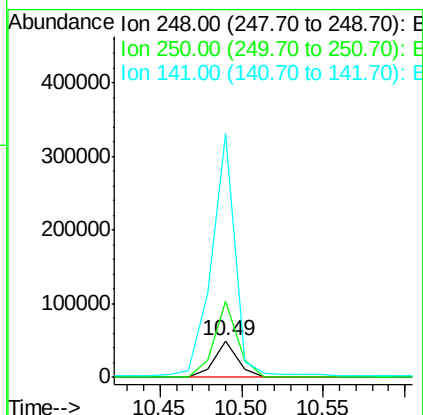
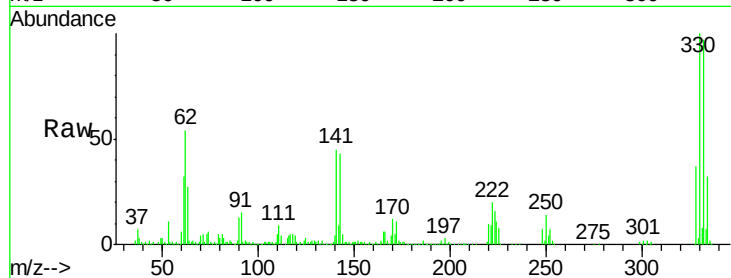




#66
4-Bromophenyl-phenylether
Concen: 3.39 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.26 min
Lab File: BF089885.D
Acq: 24 Aug 2016 20:00

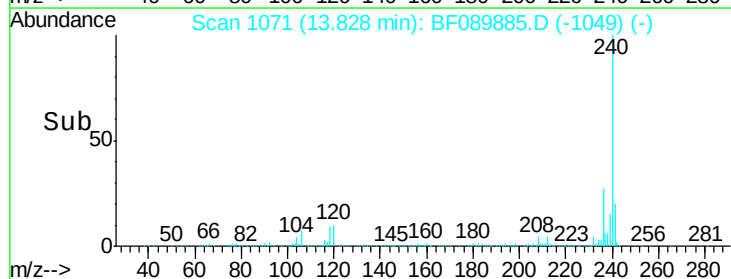
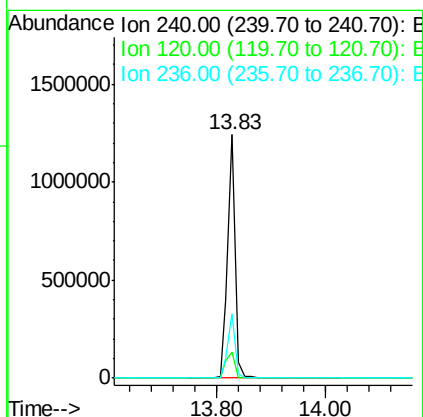
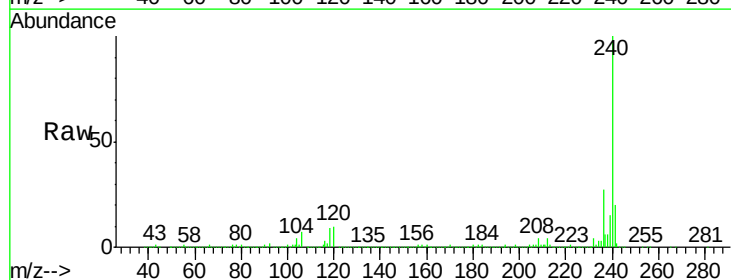
Instrument :
BNA_F
ClientSampleId :
GW-MW04-081816

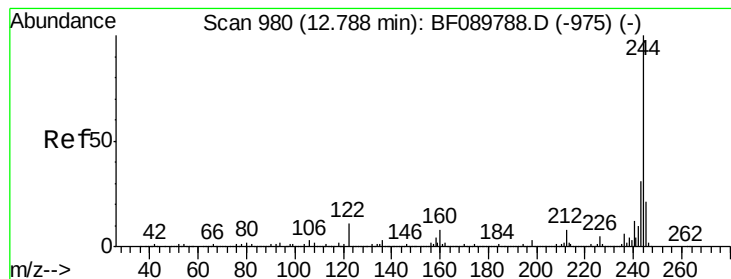
Tgt Ion:248 Resp: 49827
Ion Ratio Lower Upper
248 100
250 207.8 78.6 117.8#
141 671.6 31.4 47.2#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.05 min
Lab File: BF089885.D
Acq: 24 Aug 2016 20:00

Tgt Ion:240 Resp: 1206030
Ion Ratio Lower Upper
240 100
120 10.4 8.3 12.5
236 26.7 21.3 31.9





#78

Terphenyl-d14

Concen: 65.28 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

Instrument :

BNA_F

ClientSampleId :

GW-MW04-081816

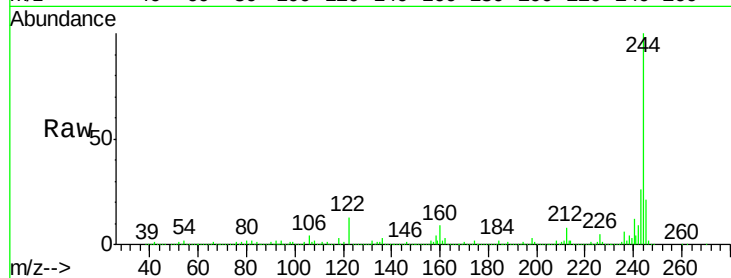
Tgt Ion:244 Resp: 3480146

Ion Ratio Lower Upper

244 100

212 8.3 6.3 9.5

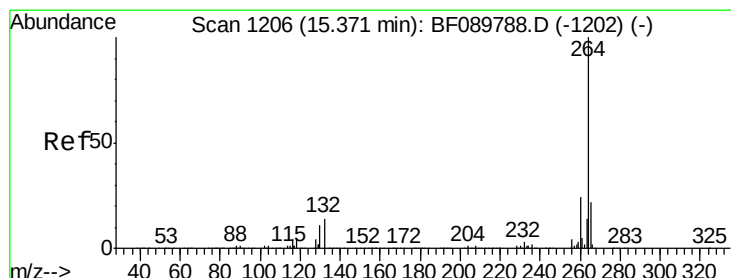
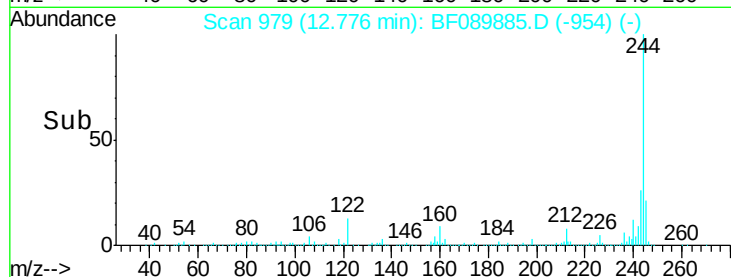
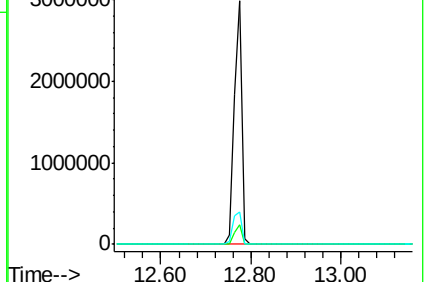
122 13.1 12.0 18.0



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: 15.28 min Scan# 1198

Delta R.T. -0.09 min

Lab File: BF089885.D

Acq: 24 Aug 2016 20:00

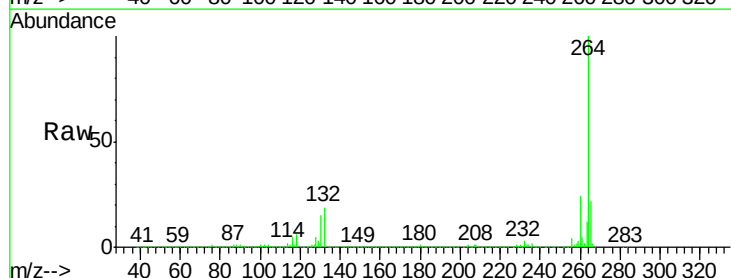
Tgt Ion:264 Resp: 912990

Ion Ratio Lower Upper

264 100

260 24.2 20.2 30.2

265 22.2 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

