

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101216\
 Data File : BF090535.D
 Acq On : 12 Oct 2016 15:10
 Operator : UM/SJ
 Sample : H5153-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-MW3-100716

Quant Time: Oct 12 16:46:24 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 11 16:14:43 2016
 Response via : Initial Calibration

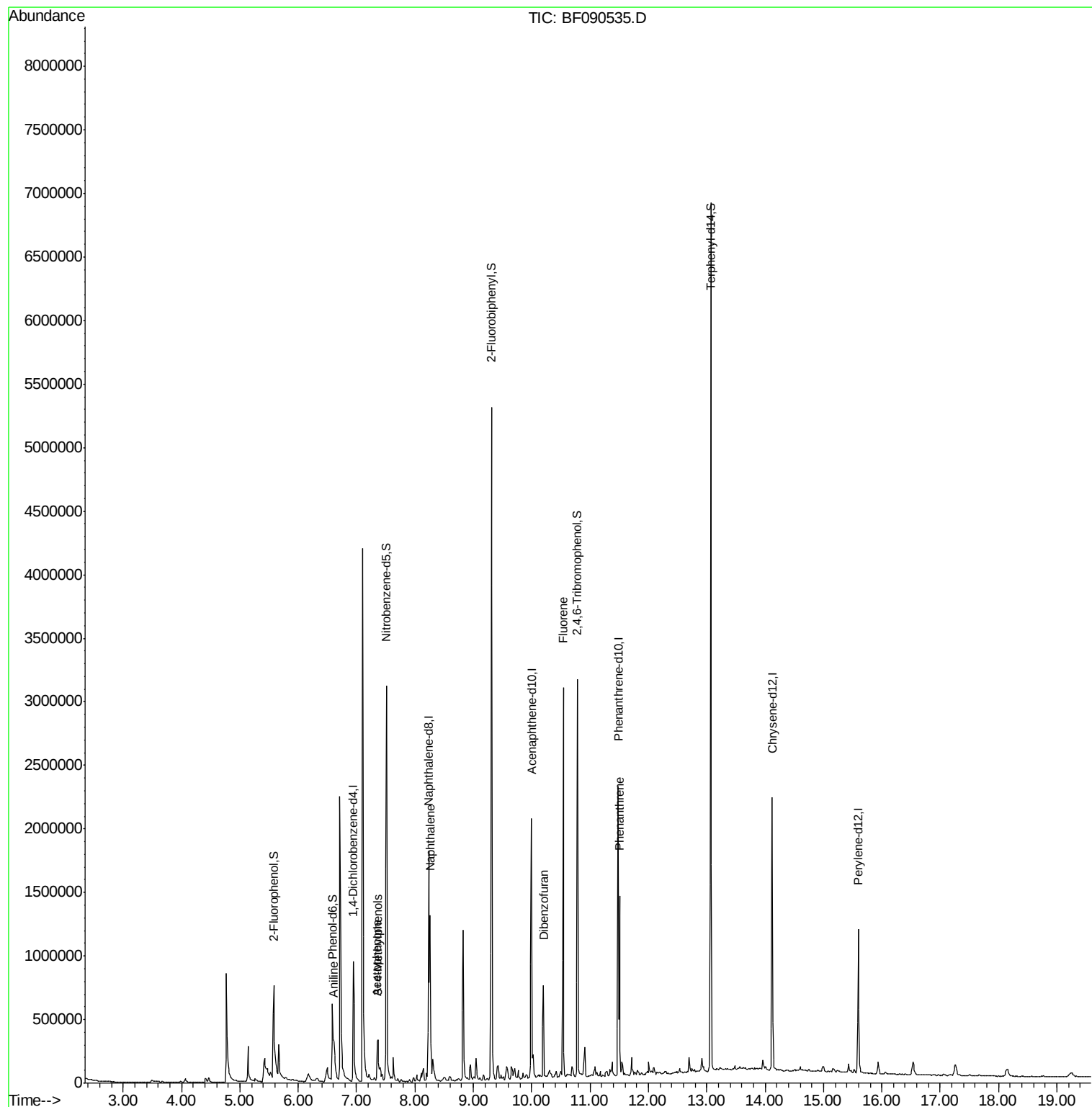
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	223730	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	956050	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	505911	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	815768	20.00	ng	0.00
75) Chrysene-d12	14.12	240	676639	20.00	ng	-0.01
86) Perylene-d12	15.60	264	503591	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	480894	33.44	ng	0.02
7) Phenol-d6	6.59	99	449144	24.75	ng	0.00
23) Nitrobenzene-d5	7.51	82	1422569	80.70	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	394060	78.58	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	2487789	82.64	ng	-0.01
78) Terphenyl-d14	13.07	244	2279409	82.33	ng	-0.01
Target Compounds						
6) Aniline	6.61	93	110853	4.82	ng	Qvalue 96
20) 3+4-Methylphenols	7.37	107	150295	9.54	ng	# 84
22) Acetophenone	7.35	105	60833	2.89	ng	# 90
31) Naphthalene	8.26	128	661392	13.89	ng	97
54) Dibenzofuran	10.20	168	363819	8.80	ng	97
57) Fluorene	10.54	166	928395	27.49	ng	100
70) Phenanthrene	11.50	178	501389	11.15	ng	96

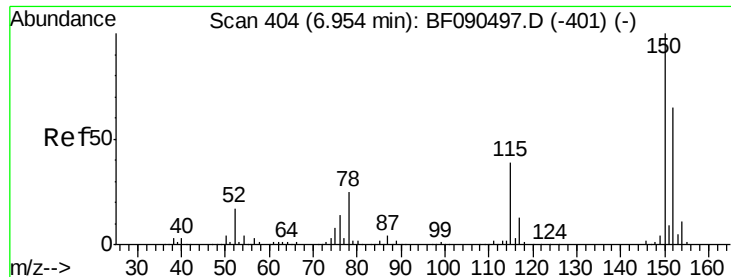
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101216\
Data File : BF090535.D
Acq On : 12 Oct 2016 15:10
Operator : UM/SJ
Sample : H5153-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AOU2-MW3-100716

Quant Time: Oct 12 16:46:24 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 11 16:14:43 2016
Response via : Initial Calibration



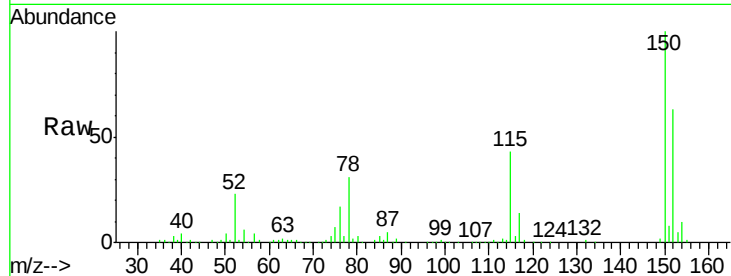


#1

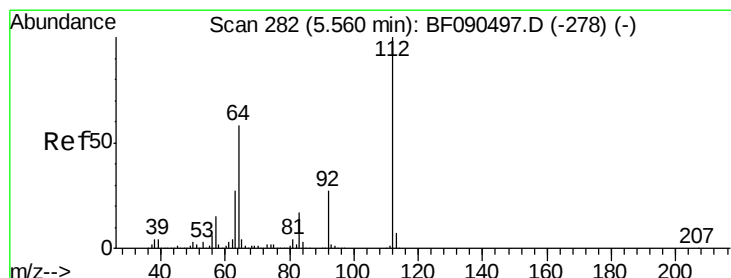
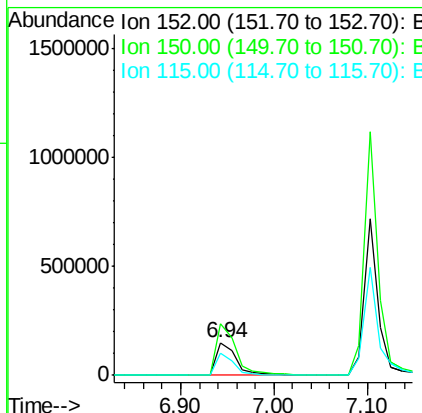
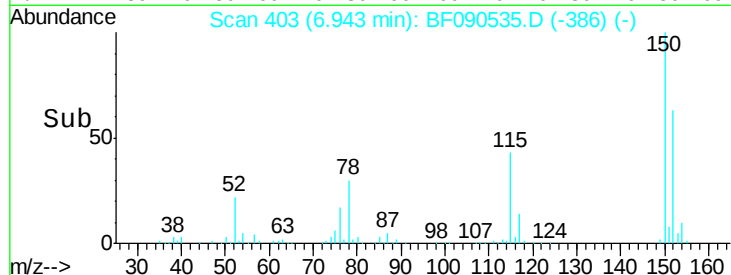
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 403
 Delta R.T. -0.01 min
 Lab File: BF090535.D
 Acq: 12 Oct 2016 15:10

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-MW3-100716

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.6	186.8
115	69.3	46.2	69.4



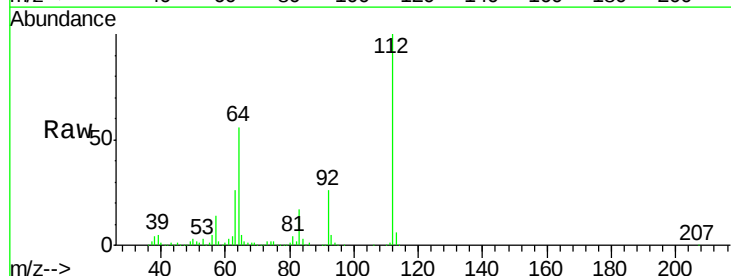
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



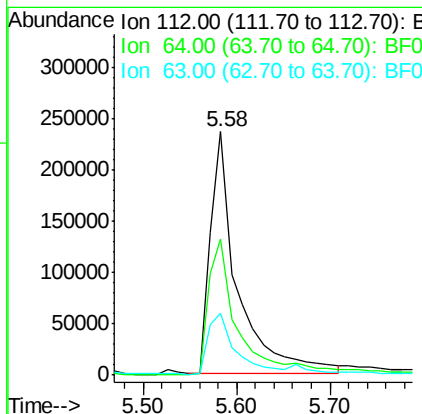
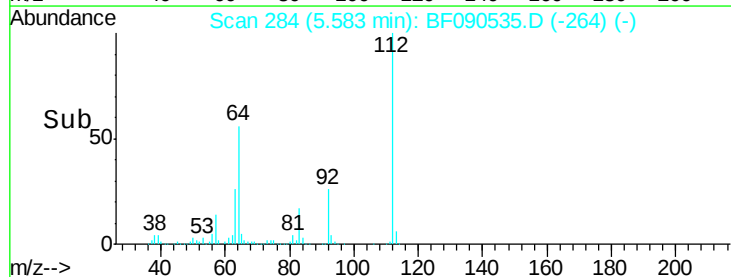
#5

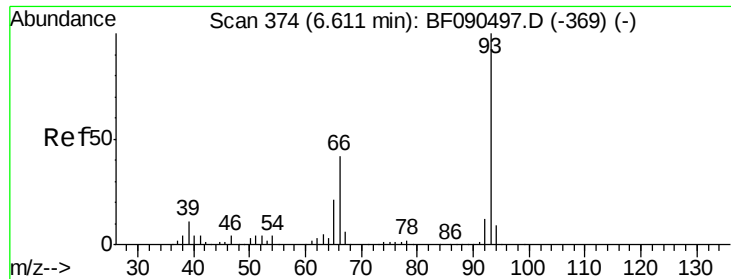
2-Fluorophenol
 Concen: 33.44 ng
 RT: 5.58 min Scan# 284
 Delta R.T. 0.02 min
 Lab File: BF090535.D
 Acq: 12 Oct 2016 15:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	57.9	86.9#
63	25.6	29.6	44.4#



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





#6

Aniline

Concen: 4.82 ng

RT: 6.61 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

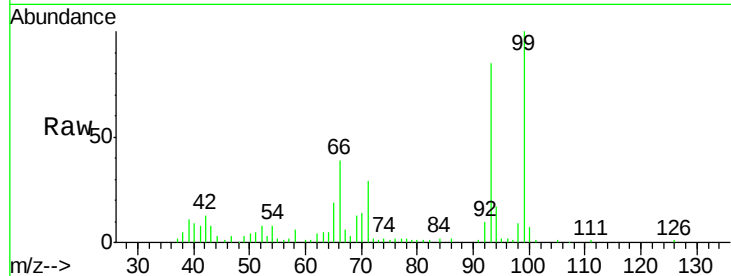
Tot Ion: 93 Resp: 110853

Ion Ratio Lower Upper

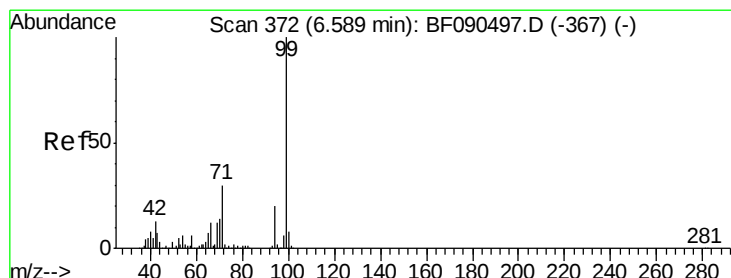
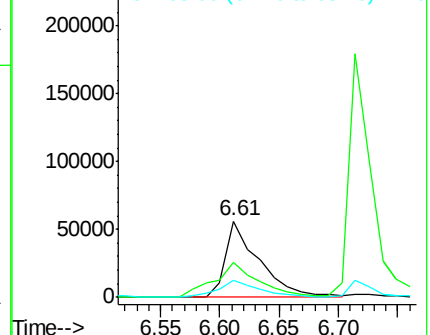
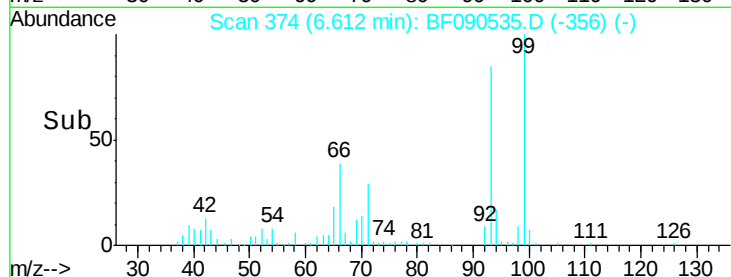
93 100

66 46.2 34.5 51.7

65 22.1 18.2 27.2



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 24.75 ng

RT: 6.59 min Scan# 372

Delta R.T. 0.00 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

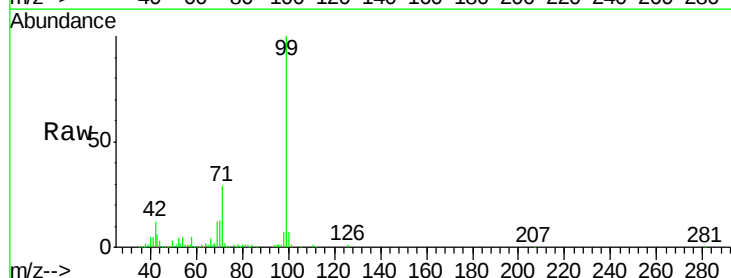
Tgt Ion: 99 Resp: 449144

Ion Ratio Lower Upper

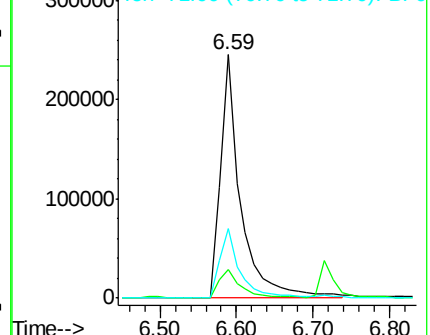
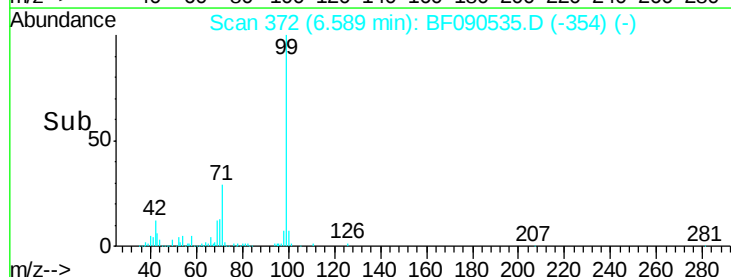
99 100

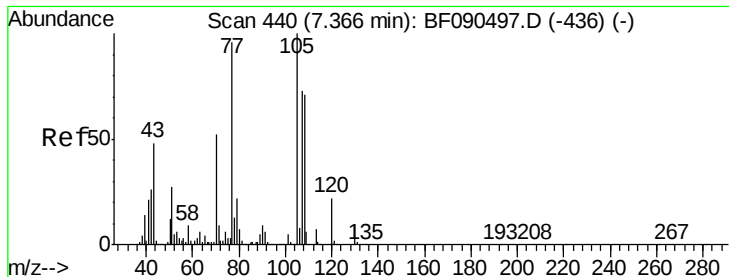
42 11.9 20.0 30.0#

71 28.5 27.9 41.9



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





#20

3+4-Methylphenols

Concen: 9.54 ng

RT: 7.37 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

Tot Ion:107 Resp: 150295

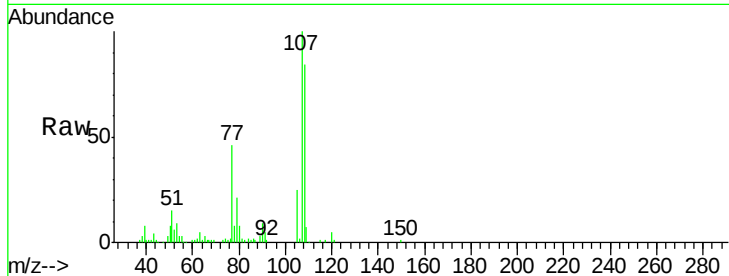
Ion Ratio Lower Upper

107 100

108 84.4 66.7 106.7

77 46.3 53.7 93.7#

79 21.4 8.4 48.4

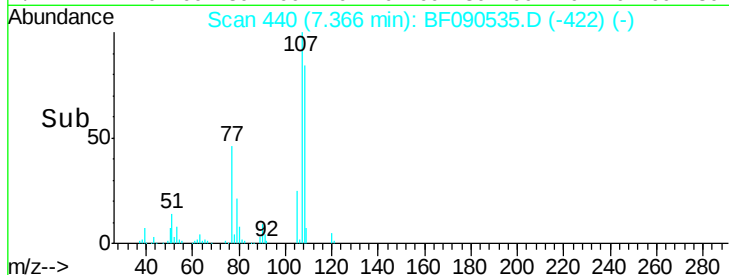


Abundance Ion 107.00 (106.70 to 107.70): E

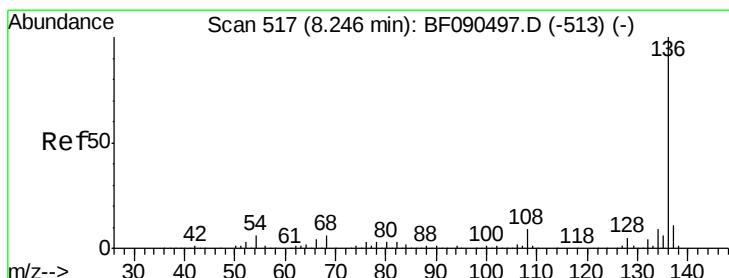
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.23 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Tgt Ion:136 Resp: 956050

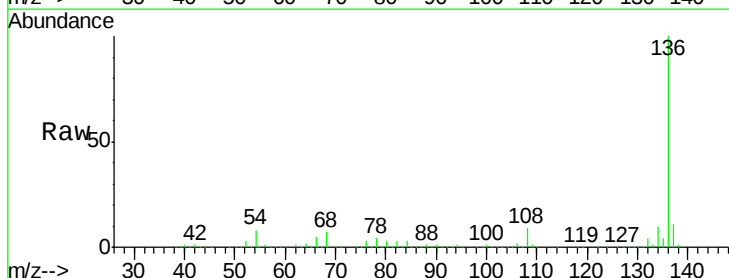
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 7.5 6.6 10.0

68 6.9 5.0 7.6

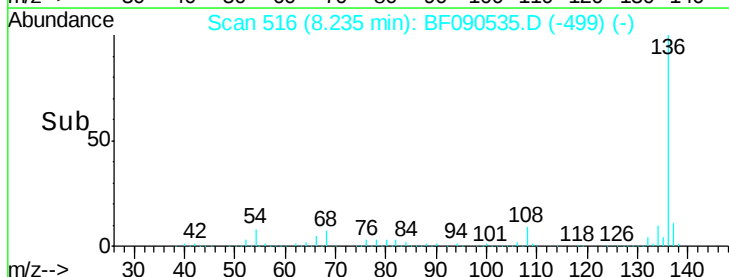


Abundance Ion 136.00 (135.70 to 136.70): E

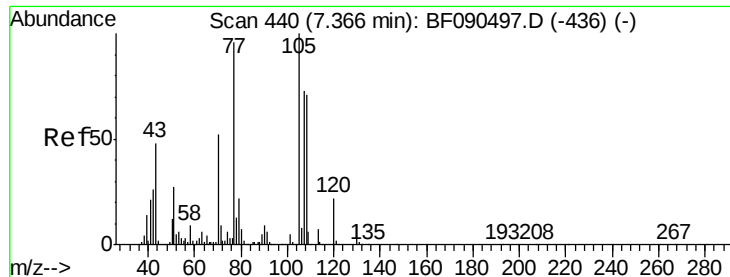
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 2.89 ng

RT: 7.35 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

Tot Ion:105 Resp: 60833

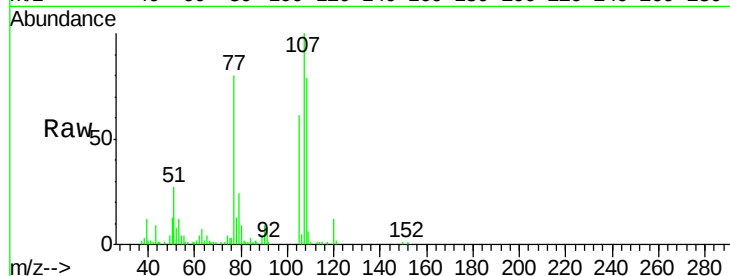
Ion Ratio Lower Upper

105 100

71 0.9 3.8 5.6#

51 43.6 28.2 42.4#

120 20.4 17.4 26.2

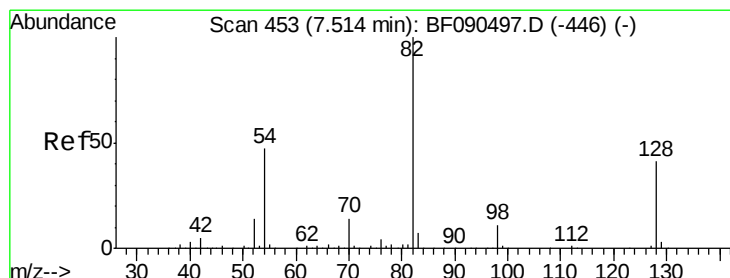
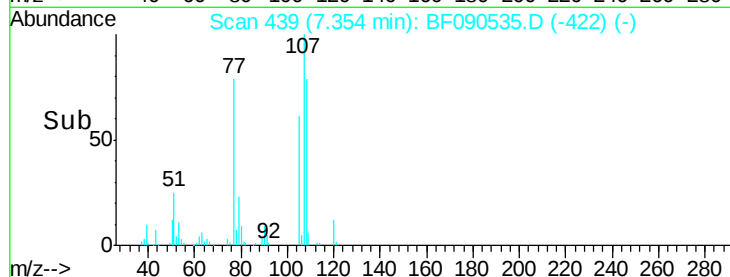
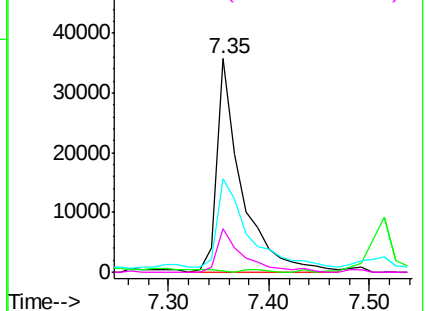


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 80.70 ng

RT: 7.51 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

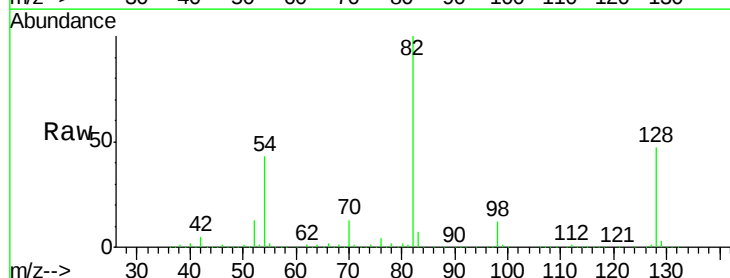
Tgt Ion: 82 Resp: 1422569

Ion Ratio Lower Upper

82 100

128 47.4 40.0 60.0

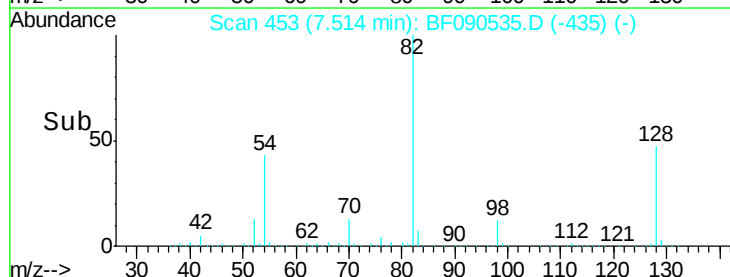
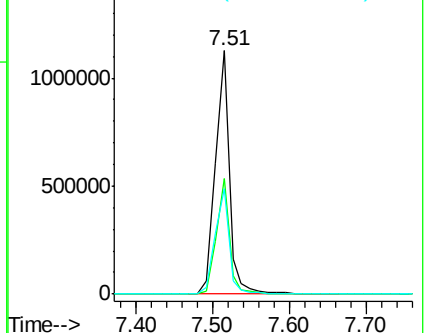
54 43.3 42.6 64.0

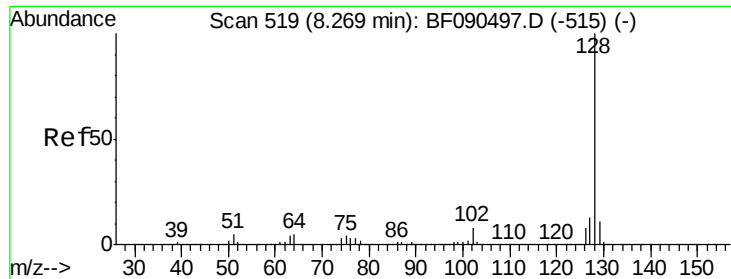


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

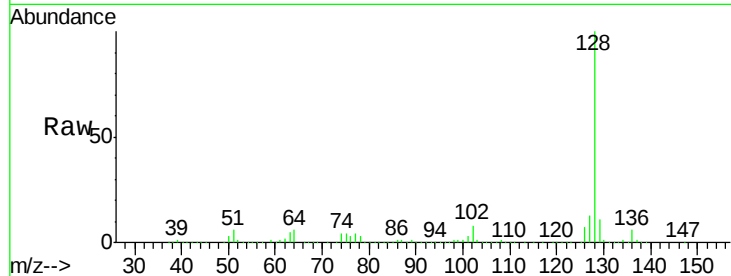




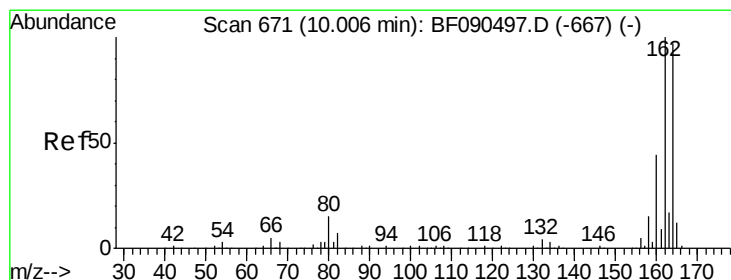
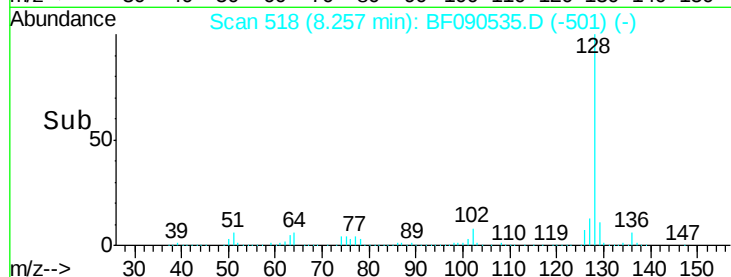
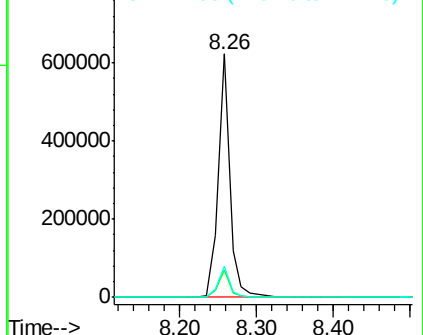
#31
Naphthalene
Concen: 13.89 ng
RT: 8.26 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF090535.D
Acq: 12 Oct 2016 15:10

Instrument :
BNA_F
ClientSampleId :
AOU2-MW3-100716

Tot Ion:128 Resp: 661392
Ion Ratio Lower Upper
128 100
129 11.2 9.7 14.5
127 13.0 11.7 17.5

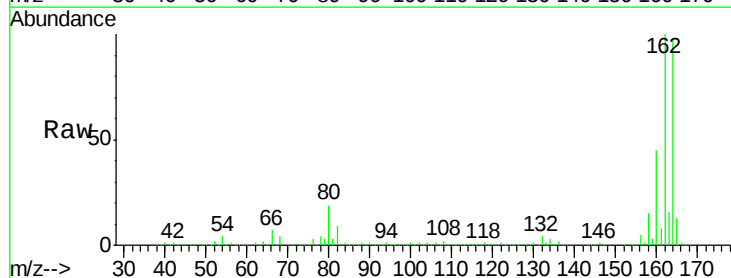


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

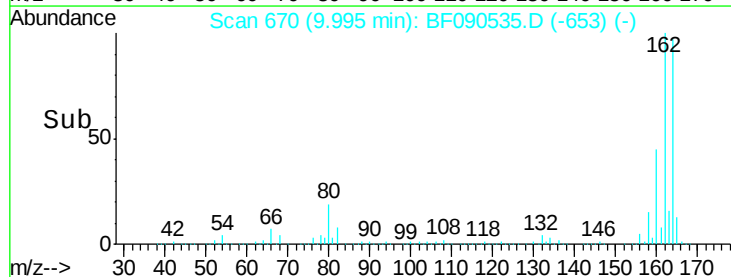
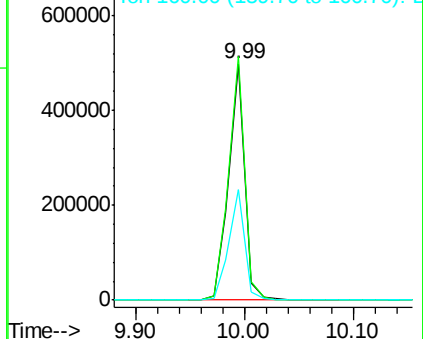


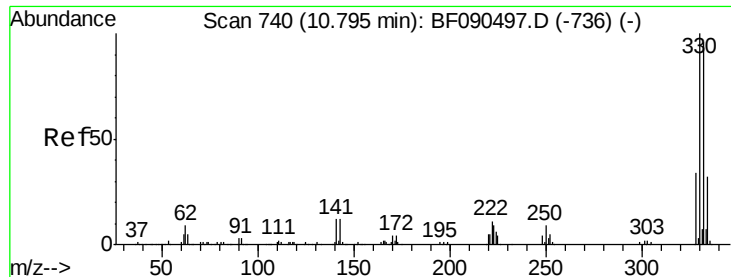
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.99 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF090535.D
Acq: 12 Oct 2016 15:10

Tgt Ion:164 Resp: 505911
Ion Ratio Lower Upper
164 100
162 103.2 80.1 120.1
160 46.7 36.3 54.5



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

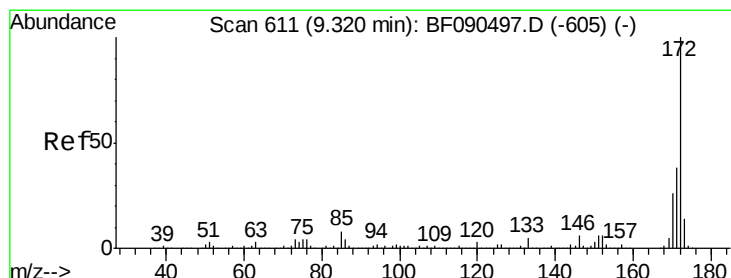
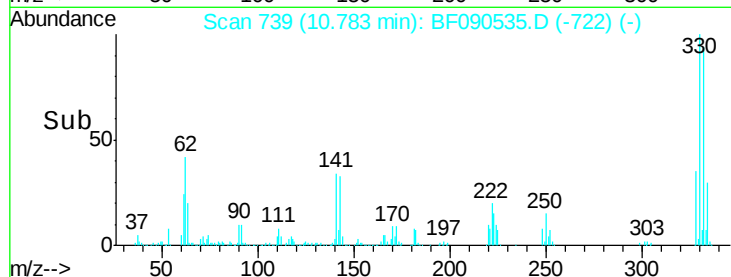
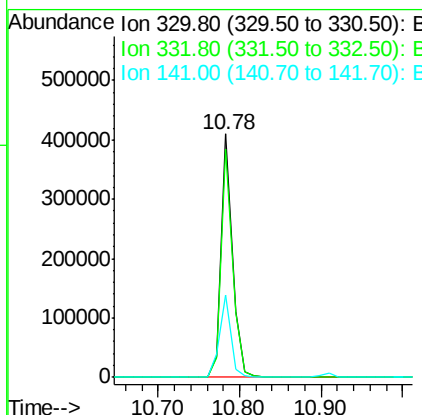
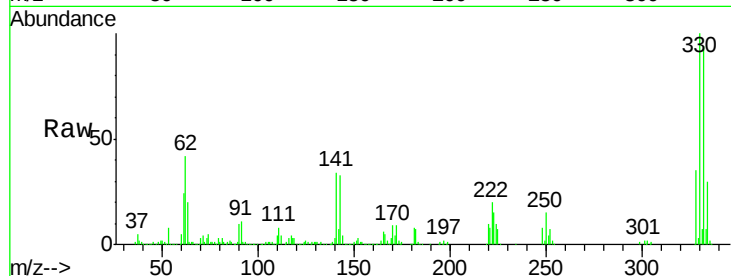




#41
 2,4,6-Tribromophenol
 Concen: 78.58 ng
 RT: 10.78 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: BF090535.D
 Acq: 12 Oct 2016 15:10

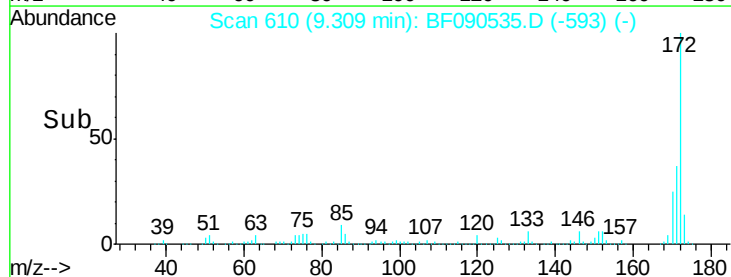
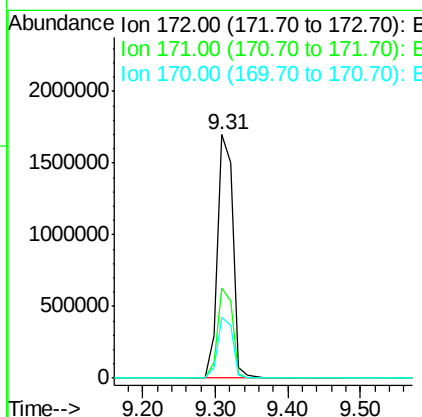
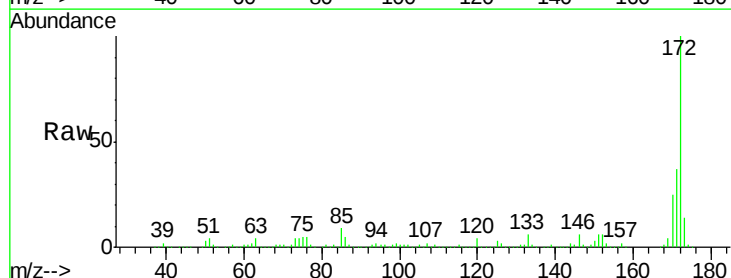
Instrument :
 BNA_F
 ClientSampleId :
 AOU2-MW3-100716

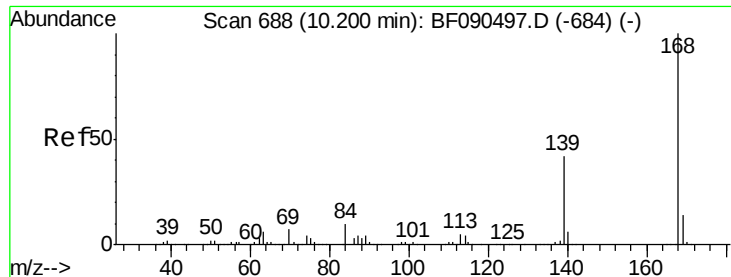
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	75.4	113.0
141	34.6	26.9	40.3



#44
 2-Fluorobiphenyl
 Concen: 82.64 ng
 RT: 9.31 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: BF090535.D
 Acq: 12 Oct 2016 15:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	31.8	47.8
170	25.0	21.7	32.5





#54

Dibenzenofuran

Concen: 8.80 ng

RT: 10.20 min Scan# 688

Delta R.T. 0.00 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

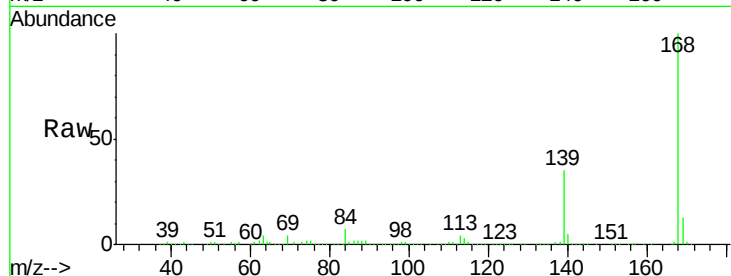
Tot Ion:168 Resp: 363819

Ion Ratio Lower Upper

168 100

139 35.0 29.6 44.4

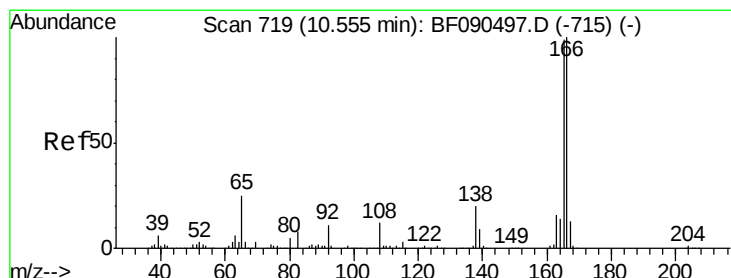
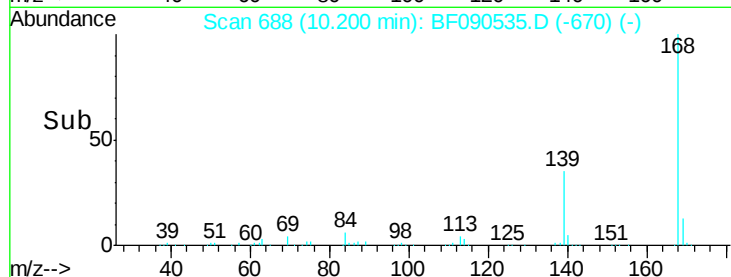
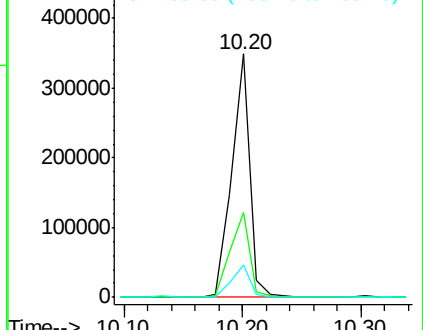
169 13.3 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 27.49 ng

RT: 10.54 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

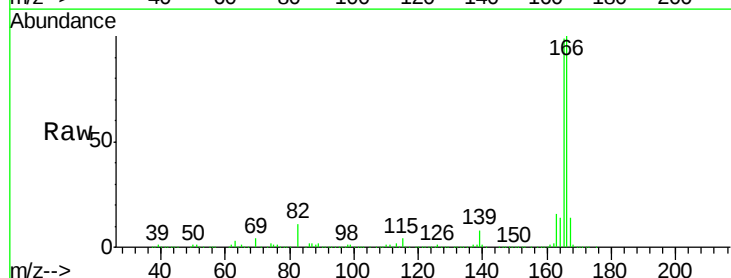
Tgt Ion:166 Resp: 928395

Ion Ratio Lower Upper

166 100

165 98.8 79.2 118.8

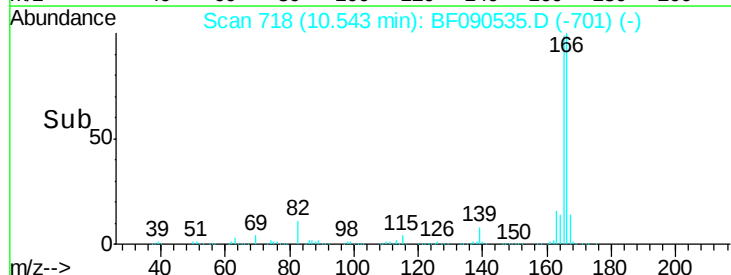
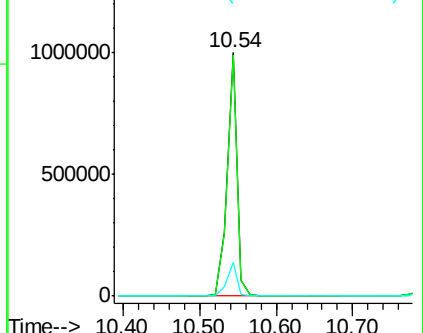
167 13.7 11.1 16.7

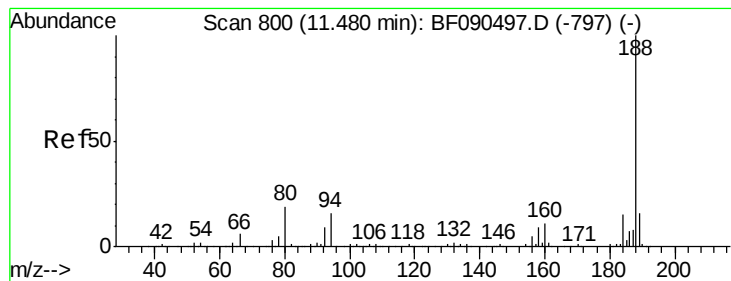


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.48 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

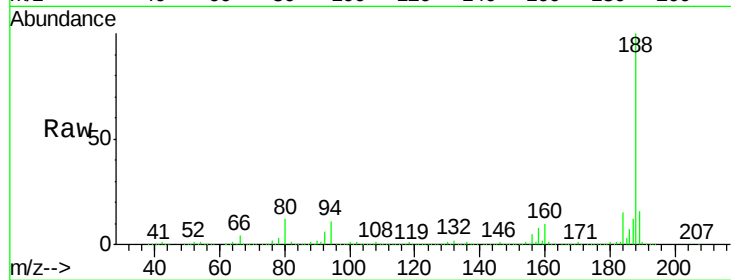
Tot Ion:188 Resp: 815768

Ion Ratio Lower Upper

188 100

94 10.6 8.2 12.2

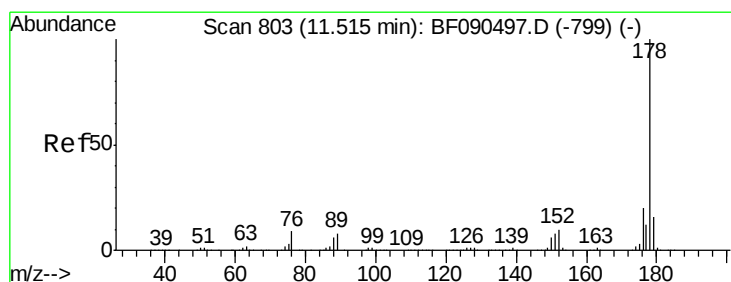
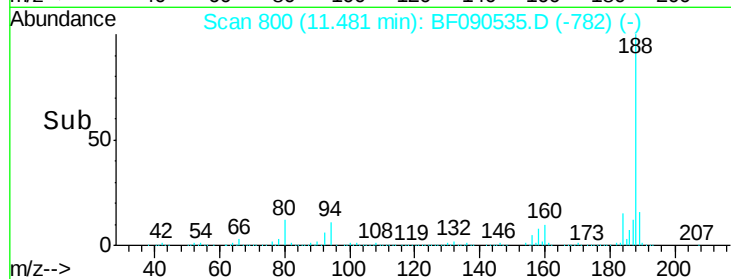
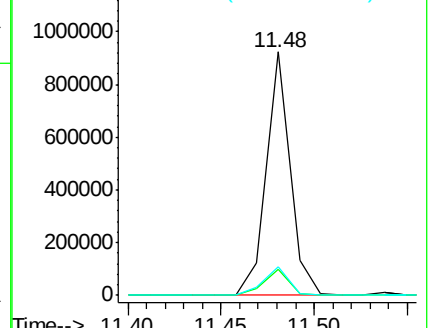
80 11.7 8.8 13.2



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



#70

Phenanthrene

Concen: 11.15 ng

RT: 11.50 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

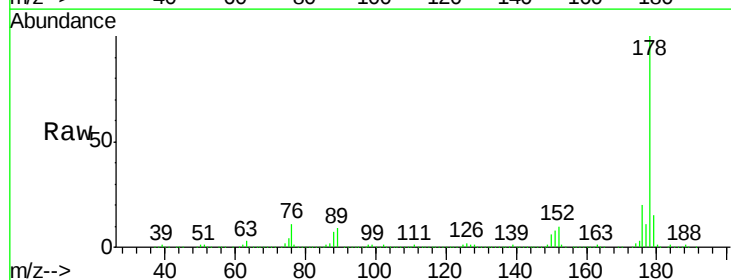
Tgt Ion:178 Resp: 501389

Ion Ratio Lower Upper

178 100

176 19.5 17.3 25.9

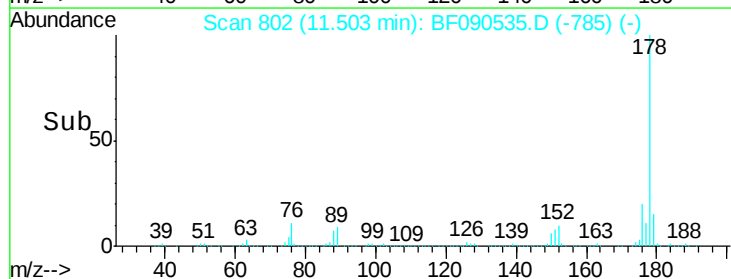
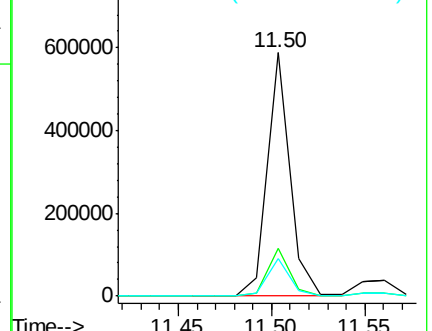
179 15.4 13.8 20.6

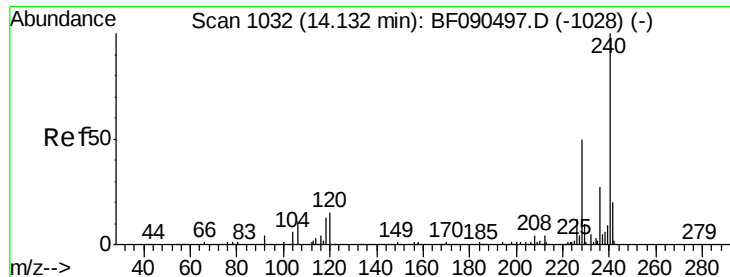


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

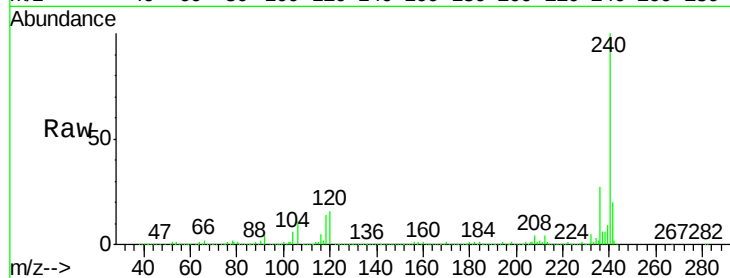
Tot Ion:240 Resp: 676639

Ion Ratio Lower Upper

240 100

120 15.7 8.6 13.0#

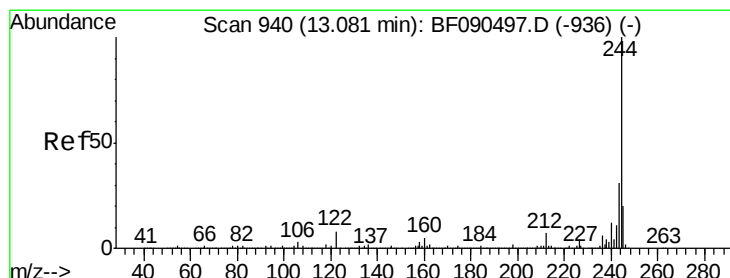
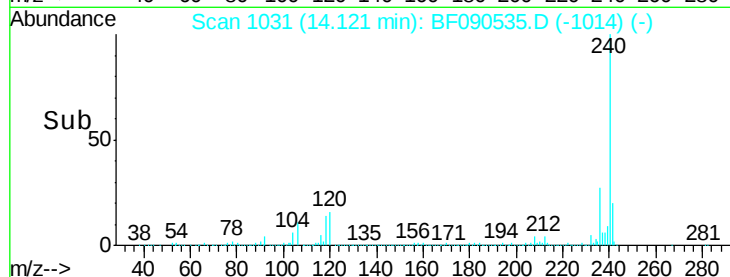
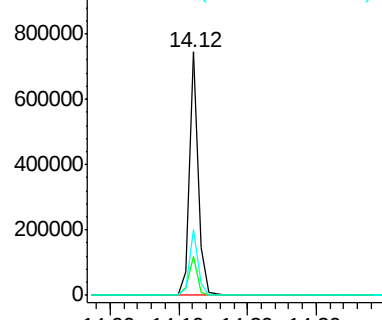
236 27.0 21.6 32.4



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: 82.33 ng

RT: 13.07 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

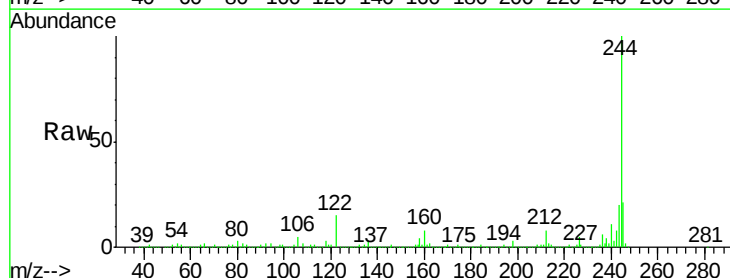
Tgt Ion:244 Resp: 2279409

Ion Ratio Lower Upper

244 100

212 7.7 6.8 10.2

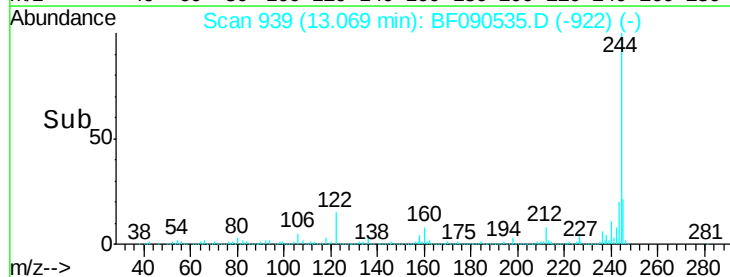
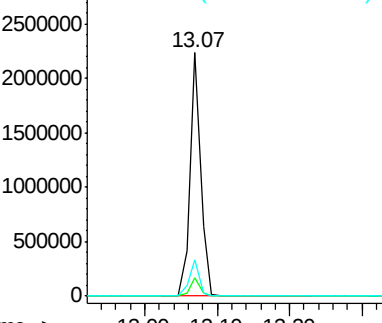
122 14.7 13.3 19.9

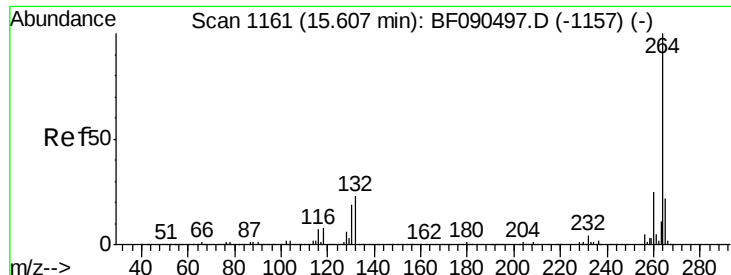


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

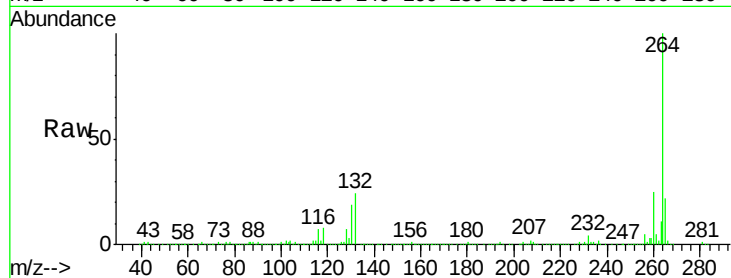




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.60 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF090535.D
 Acq: 12 Oct 2016 15:10

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-MW3-100716

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.3	28.9
265	22.0	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

