

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 15:52:35 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

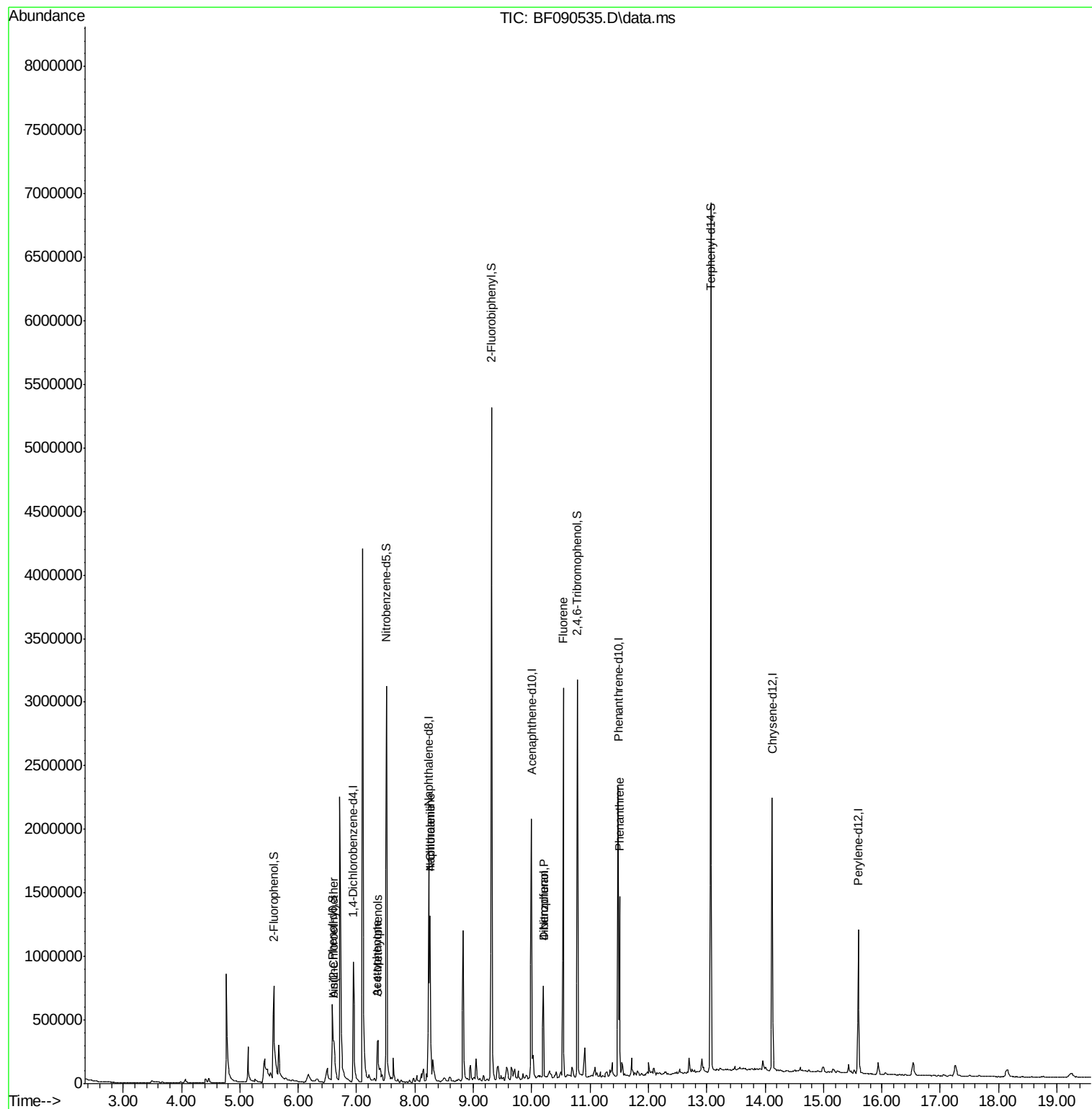
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.943	152	223730	20.00	ng	-0.01
21) Naphthalene-d8	8.235	136	956050	20.00	ng	-0.01
38) Acenaphthene-d10	9.995	164	505911	20.00	ng	-0.01
63) Phenanthrene-d10	11.481	188	815768	20.00	ng	0.00
75) Chrysene-d12	14.121	240	676639	20.00	ng	-0.01
86) Perylene-d12	15.595	264	503591	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.583	112	480894	33.44	ng	0.02
7) Phenol-d6	6.589	99	449144	24.75	ng	0.00
23) Nitrobenzene-d5	7.514	82	1422569	80.70	ng	0.00
41) 2,4,6-Tribromophenol	10.783	330	394060	78.58	ng	-0.01
44) 2-Fluorobiphenyl	9.309	172	2487789	82.64	ng	-0.01
78) Terphenyl-d14	13.069	244	2279409	82.33	ng	-0.01
Target Compounds						
6) Aniline	6.612	93	110853	4.82	ng	Qvalue 96
11) bis(2-Chloroethyl)ether	6.612	93	110853	7.23	ng	# 25
20) 3+4-Methylphenols	7.366	107	150295	9.54	ng	# 84
22) Acetophenone	7.354	105	60833	2.89	ng	# 90
31) Naphthalene	8.257	128	661392	13.89	ng	97
33) 4-Chloroaniline	8.257	127	87445	4.34	ng	# 30
54) Dibenzofuran	10.200	168	363819	8.80	ng	97
55) 4-Nitrophenol	10.200	139	137258	18.95	ng	# 6
57) Fluorene	10.543	166	928395	27.49	ng	100
70) Phenanthrene	11.503	178	501389	11.15	ng	96

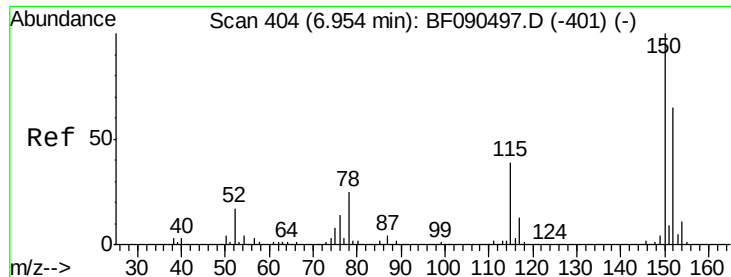
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
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QLast Update : Tue Oct 11 16:14:43 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.943 min Scan# 40

Delta R.T. -0.011 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

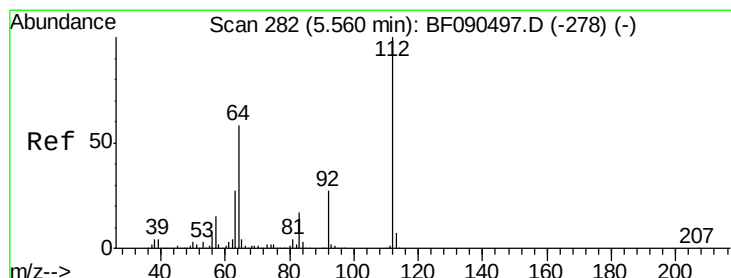
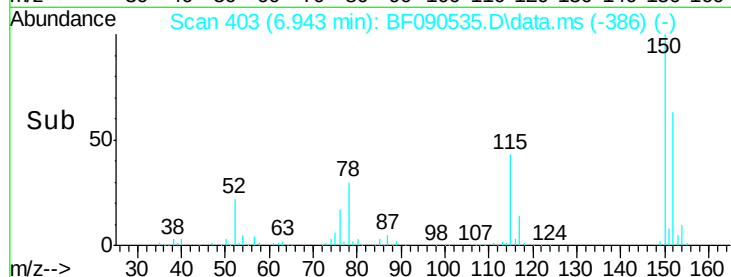
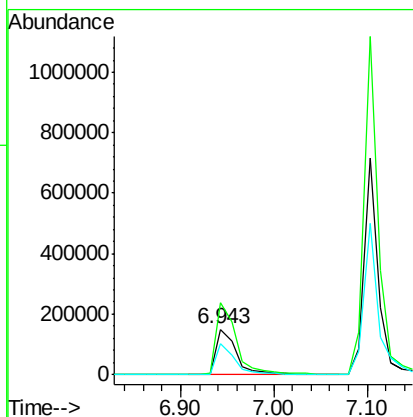
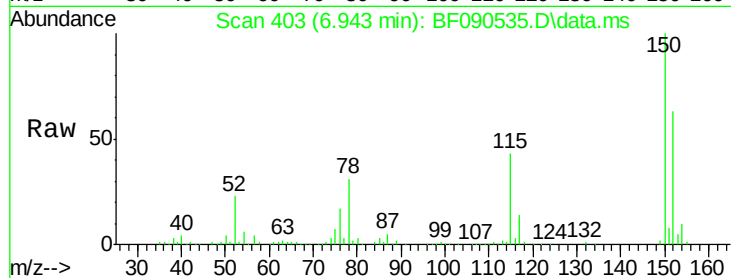
Tot Ion:152 Resp: 223730

Ion Ratio Lower Upper

152 100

150 159.9 124.6 186.8

115 69.3 46.2 69.4



#5

2-Fluorophenol

Concen: 33.44 ng

RT: 5.583 min Scan# 284

Delta R.T. 0.024 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

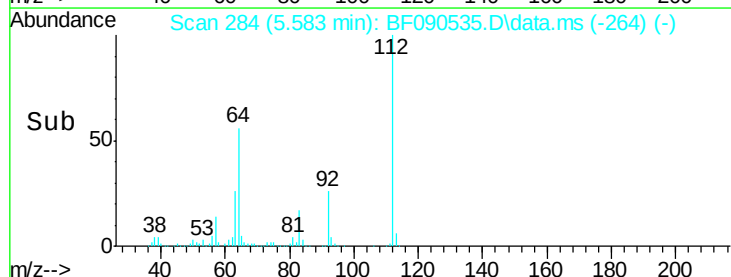
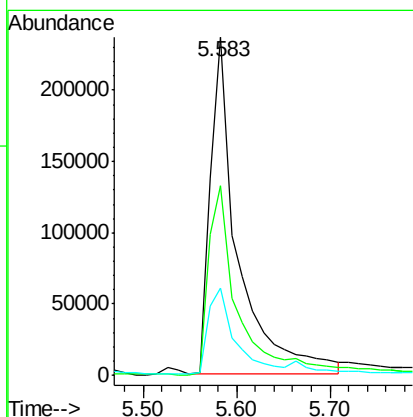
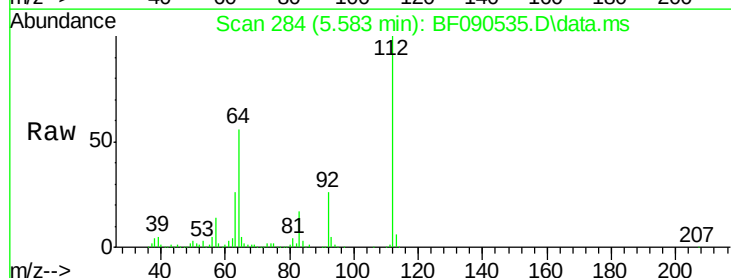
Tgt Ion:112 Resp: 480894

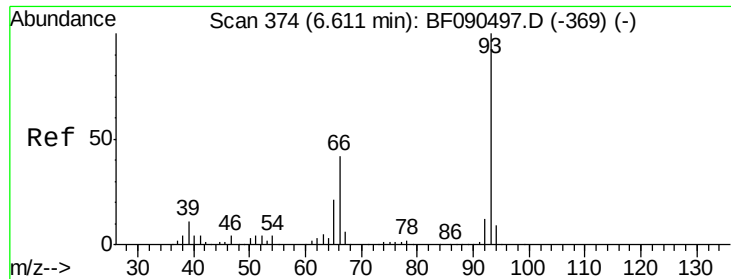
Ion Ratio Lower Upper

112 100

64 55.9 57.9 86.9#

63 25.6 29.6 44.4#





#6

Aniline

Concen: 4.82 ng

RT: 6.612 min Scan# 374

Delta R.T. 0.000 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

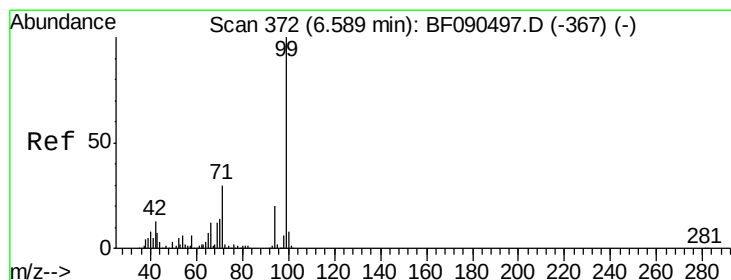
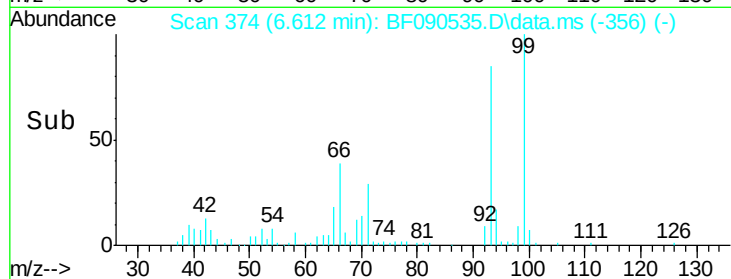
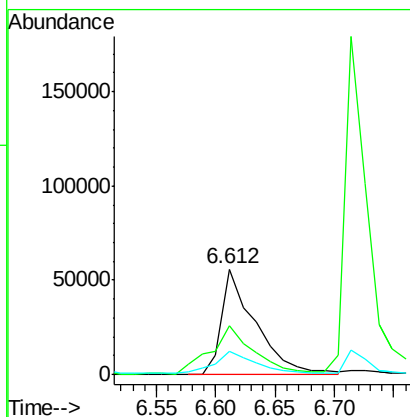
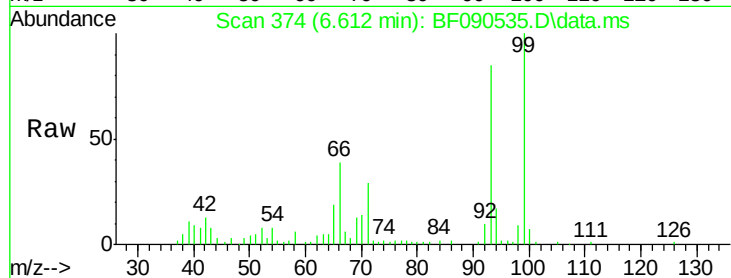
Tot Ion: 93 Resp: 110853

Ion Ratio Lower Upper

93 100

66 46.2 34.5 51.7

65 22.1 18.2 27.2



#7

Phenol-d6

Concen: 24.75 ng

RT: 6.589 min Scan# 372

Delta R.T. 0.000 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

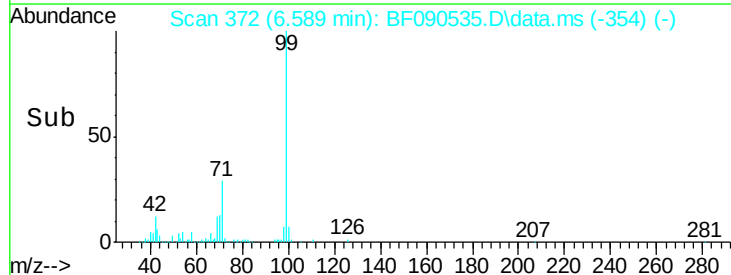
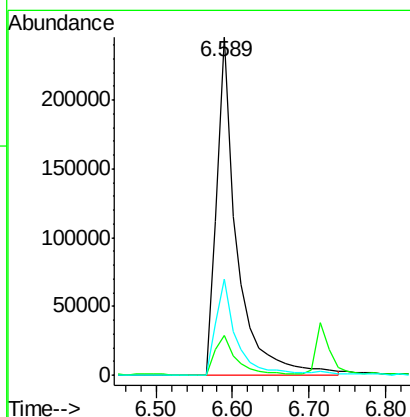
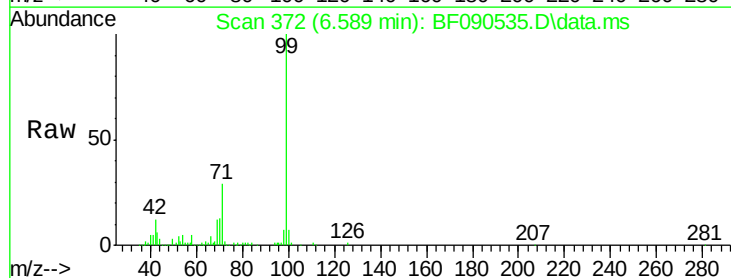
Tgt Ion: 99 Resp: 449144

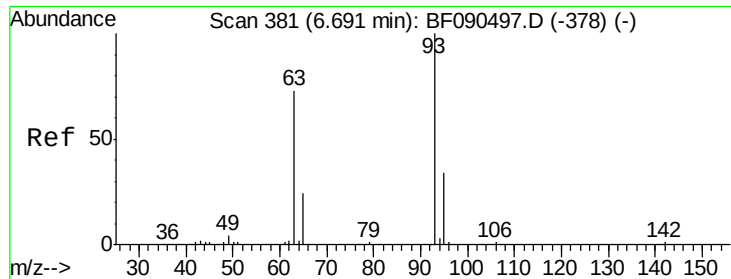
Ion Ratio Lower Upper

99 100

42 11.9 20.0 30.0#

71 28.5 27.9 41.9

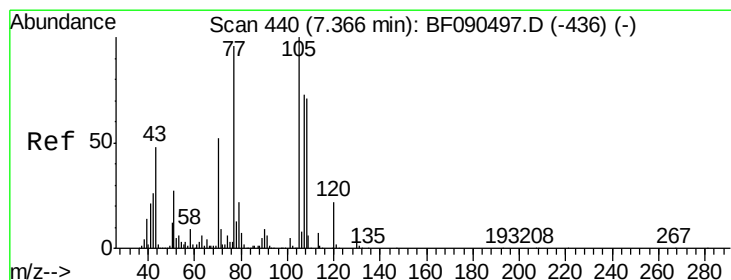
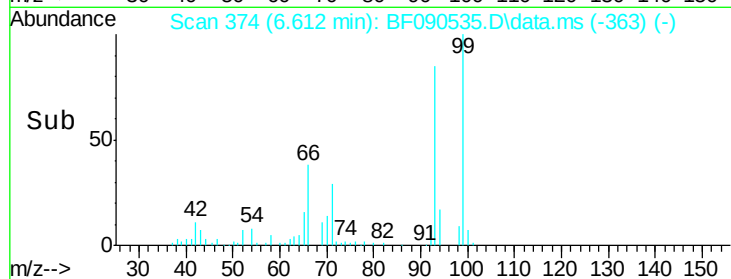
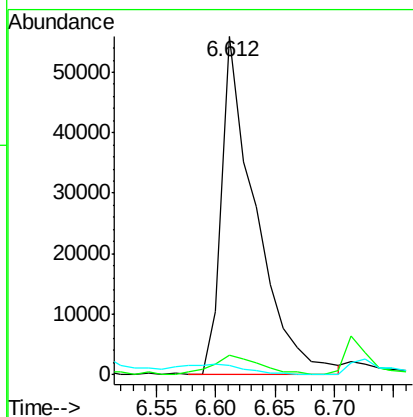
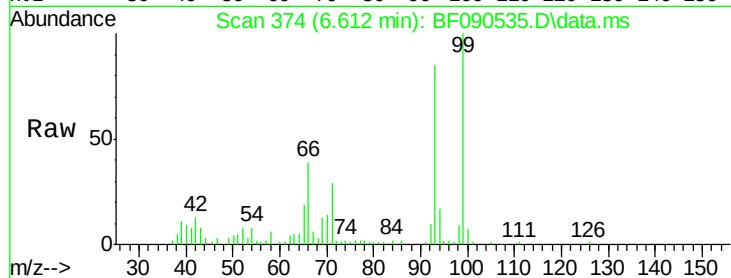




#11
bis(2-Chloroethyl)ether
Concen: 7.23 ng
RT: 6.612 min Scan# 37
Delta R.T. -0.080 min
Lab File: BF090535.D
Acq: 12 Oct 2016 15:10

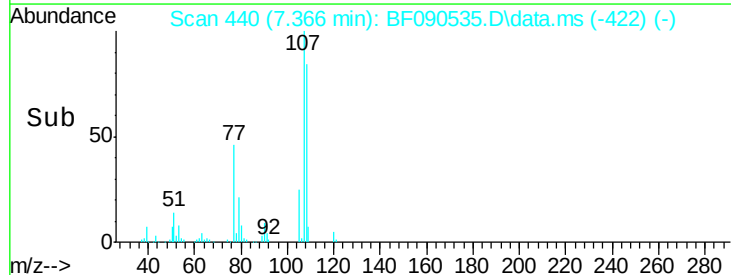
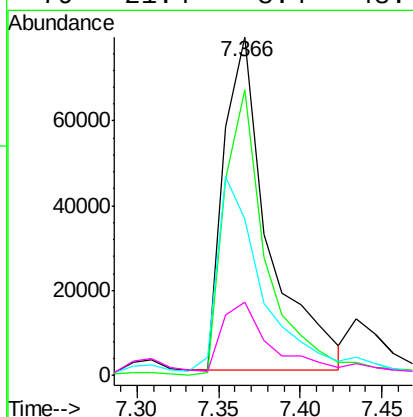
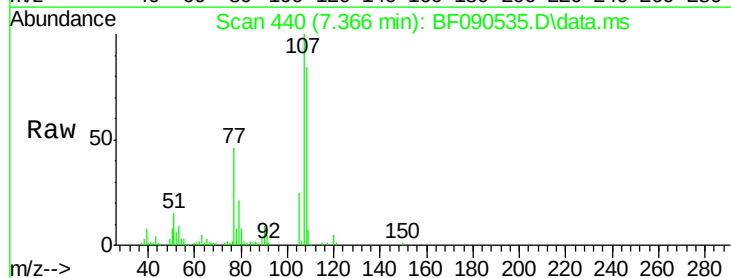
Instrument :
BNA_F
ClientSampleId :
AOU2-MW3-100716

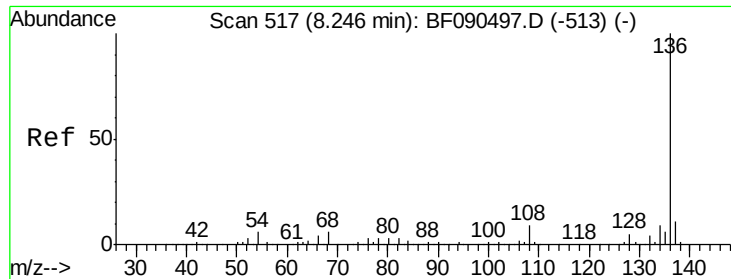
Tot Ion: 93 Resp: 110853
Ion Ratio Lower Upper
93 100
63 5.8 59.7 99.7#
95 2.6 14.0 54.0#



#20
3+4-Methylphenols
Concen: 9.54 ng
RT: 7.366 min Scan# 440
Delta R.T. 0.000 min
Lab File: BF090535.D
Acq: 12 Oct 2016 15:10

Tgt 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

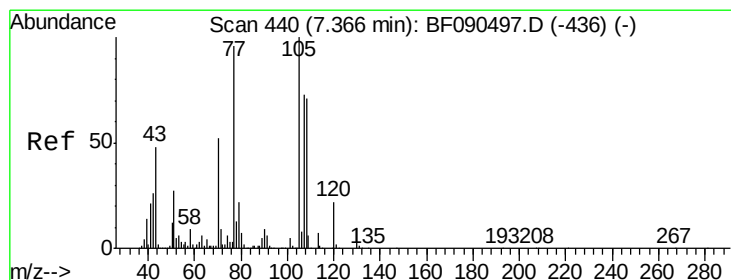
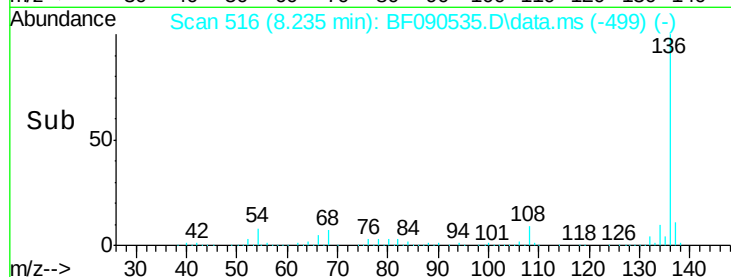
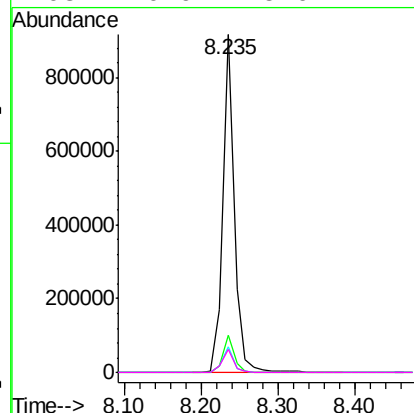
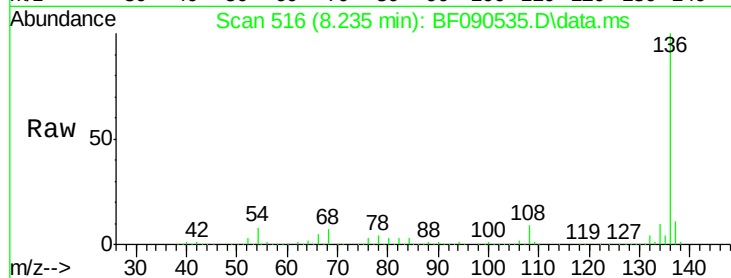




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.235 min Scan# 51
Delta R.T. -0.011 min
Lab File: BF090535.D
Acq: 12 Oct 2016 15:10

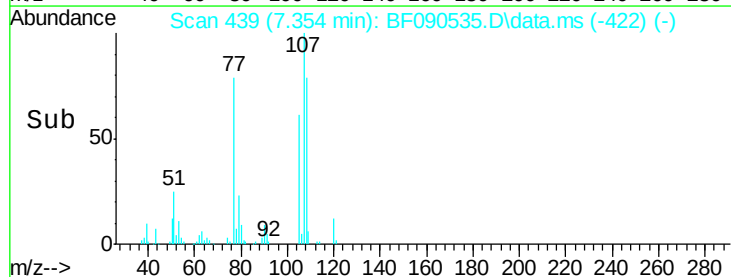
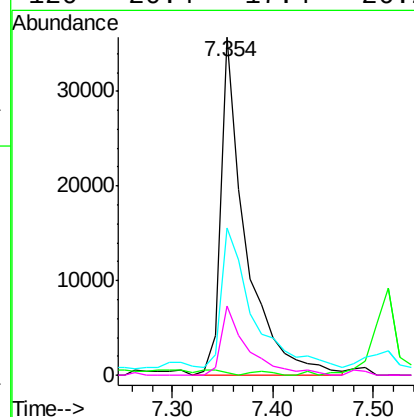
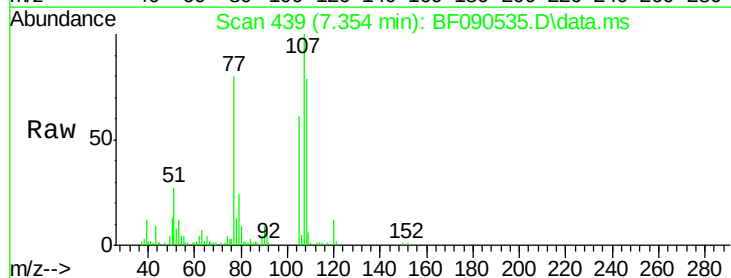
Instrument :
BNA_F
ClientSampleId :
AOU2-MW3-100716

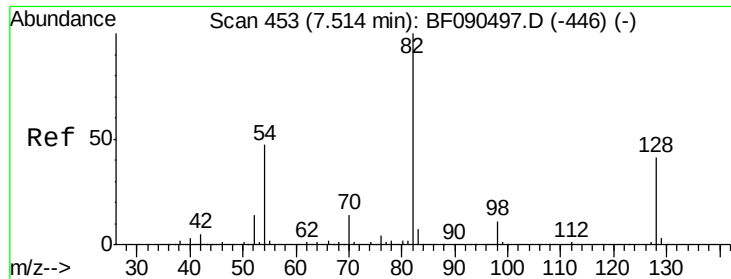
Tot Ion:136	Resp:	956050
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.0 13.6
54	7.5	6.6 10.0
68	6.9	5.0 7.6



#22
Acetophenone
Concen: 2.89 ng
RT: 7.354 min Scan# 439
Delta R.T. -0.011 min
Lab File: BF090535.D
Acq: 12 Oct 2016 15:10

Tgt 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





#23

Nitrobenzene-d5

Concen: 80.70 ng

RT: 7.514 min Scan# 45

Delta R.T. 0.000 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

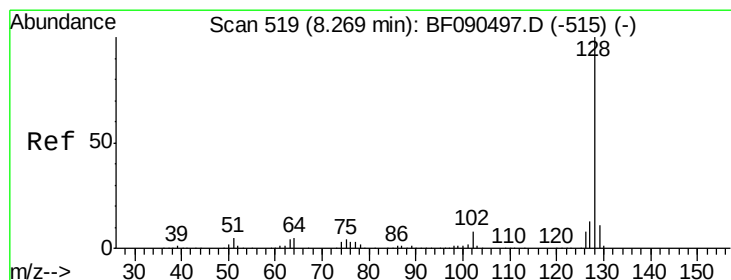
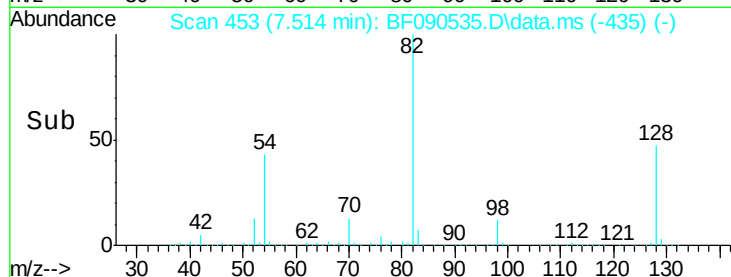
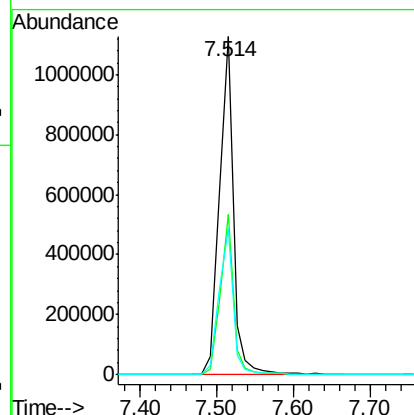
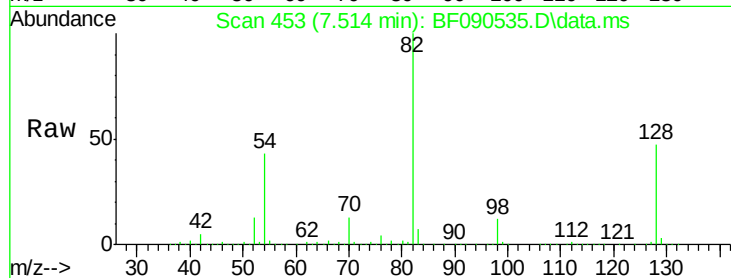
Tot Ion: 82 Resp: 1422569

Ion Ratio Lower Upper

82 100

128 47.4 40.0 60.0

54 43.3 42.6 64.0



#31

Naphthalene

Concen: 13.89 ng

RT: 8.257 min Scan# 518

Delta R.T. -0.011 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

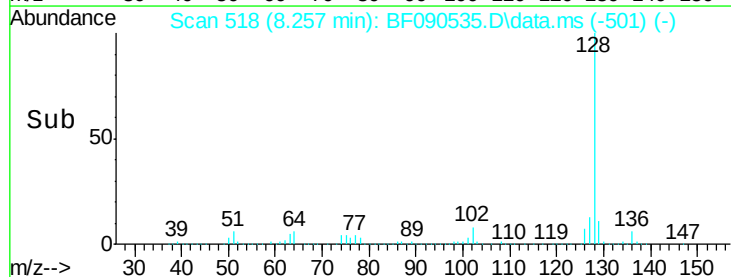
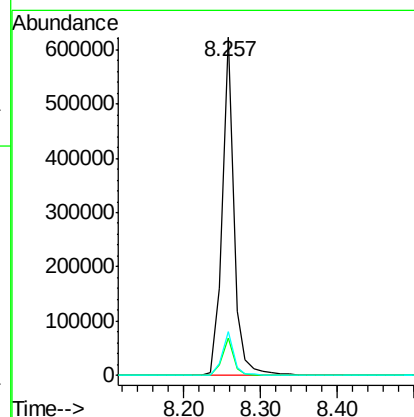
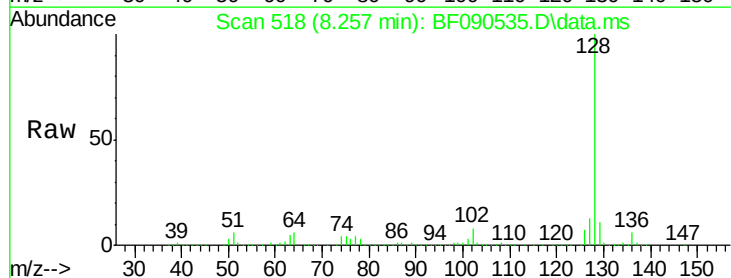
Tgt Ion: 128 Resp: 661392

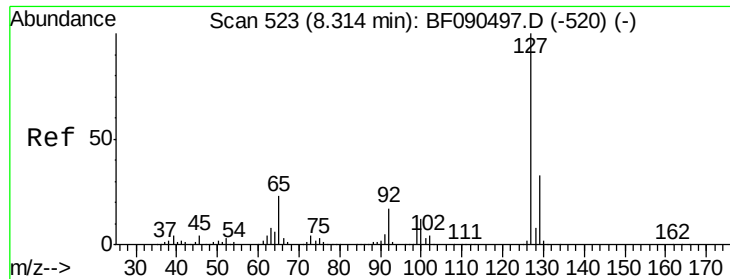
Ion Ratio Lower Upper

128 100

129 11.2 9.7 14.5

127 13.0 11.7 17.5

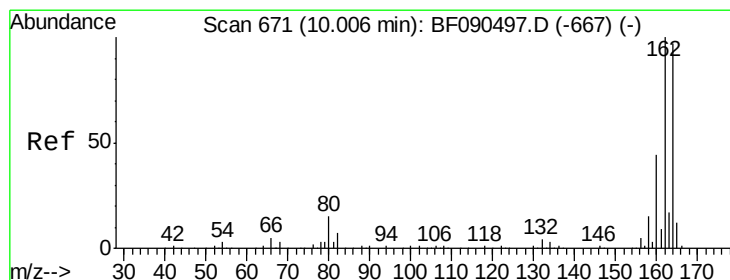
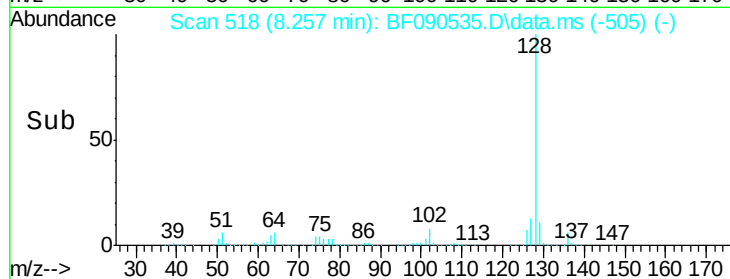
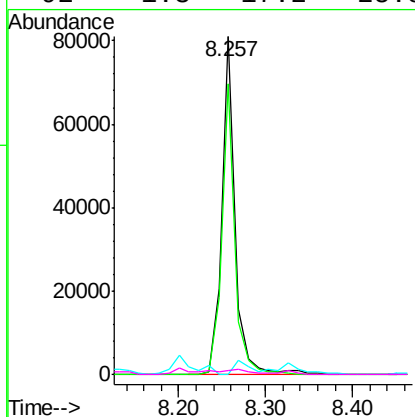
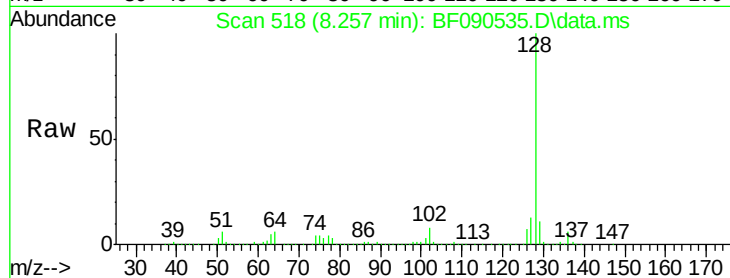




#33
4-Chloroaniline
Concen: 4.34 ng
RT: 8.257 min Scan# 51
Delta R.T. -0.057 min
Lab File: BF090535.D
Acq: 12 Oct 2016 15:10

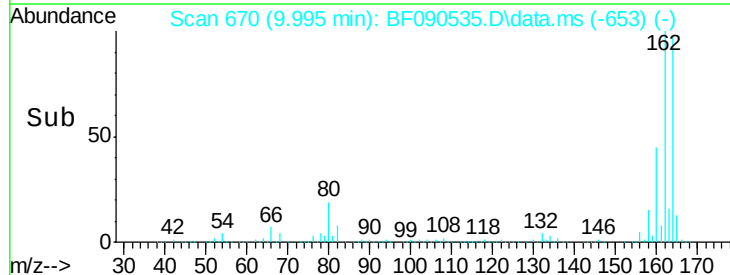
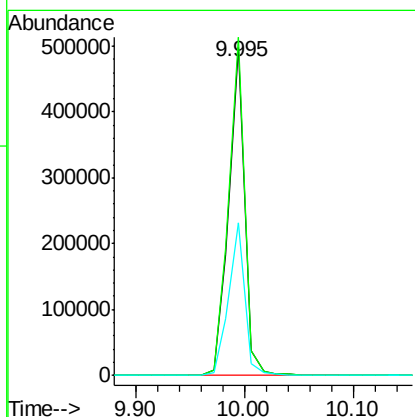
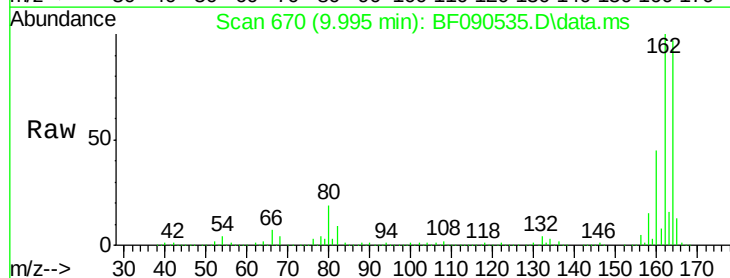
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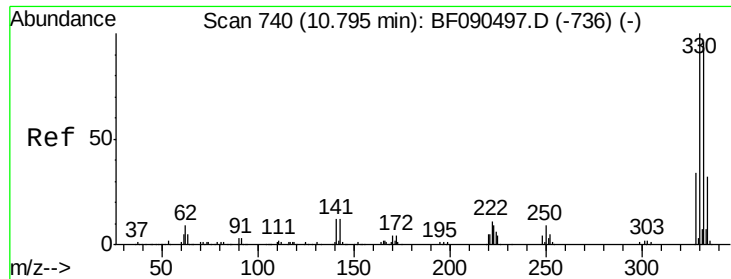
Tot Ion:127	Resp:	87445
Ion Ratio	Lower	Upper
127	100	
129	86.0	26.2 39.4#
65	0.0	32.5 48.7#
92	1.3	17.2 25.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.995 min Scan# 670
Delta R.T. -0.011 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

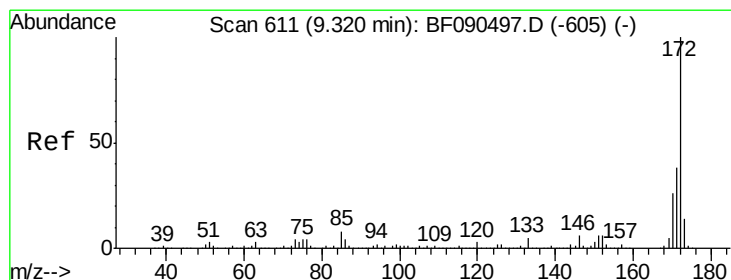
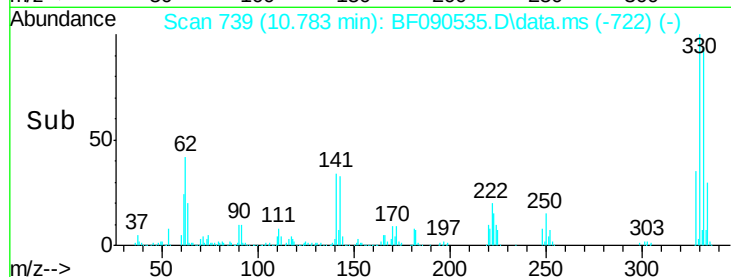
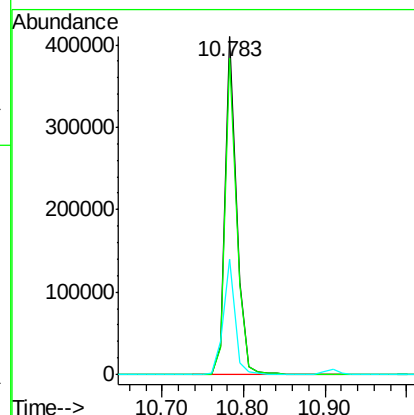
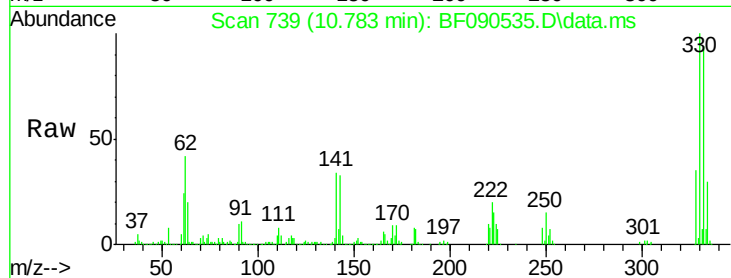




#41
 2,4,6-Tribromophenol
 Concen: 78.58 ng
 RT: 10.783 min Scan# 73
 Delta R.T. -0.011 min
 Lab File: BF090535.D
 Acq: 12 Oct 2016 15:10

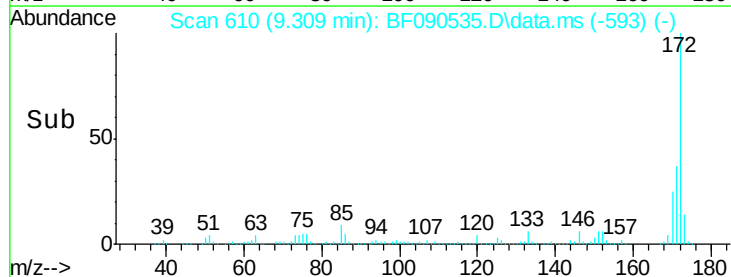
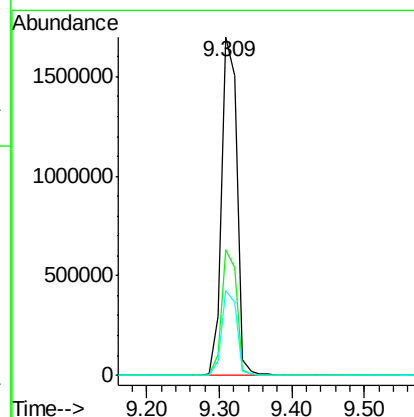
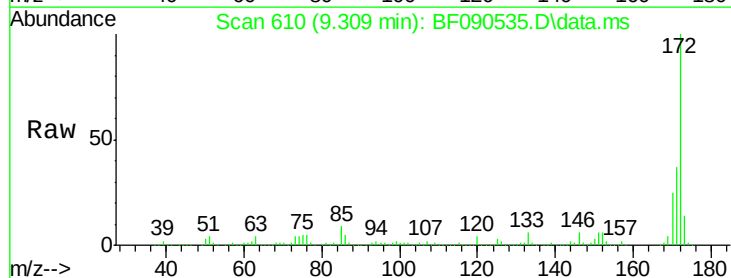
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 AOU2-MW3-100716

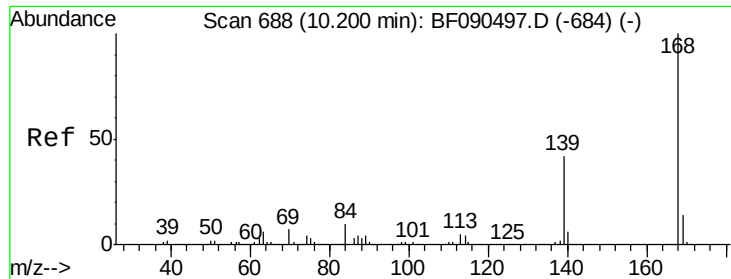
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	75.4	113.0
141	34.6	26.9	40.3



#44
 2-Fluorobiphenyl
 Concen: 82.64 ng
 RT: 9.309 min Scan# 610
 Delta R.T. -0.011 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: 10.200 min Scan# 68

Delta R.T. 0.000 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

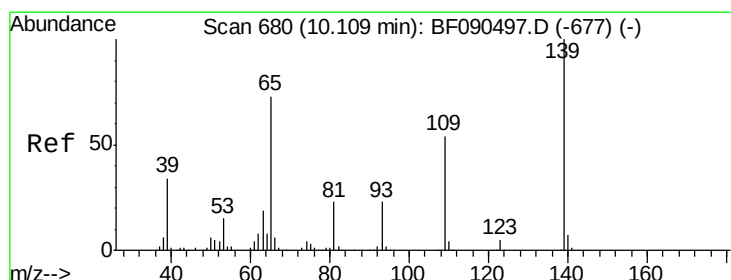
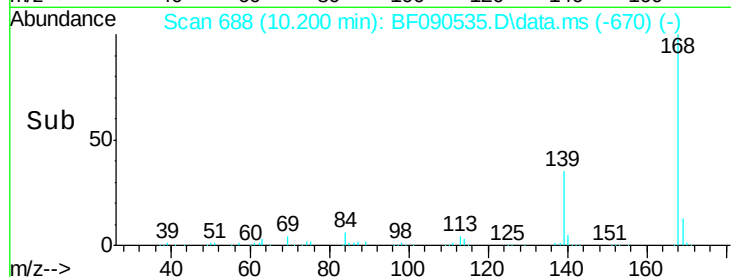
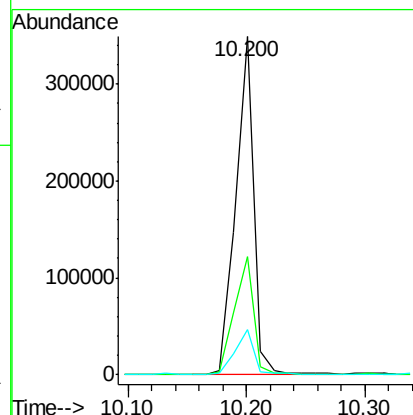
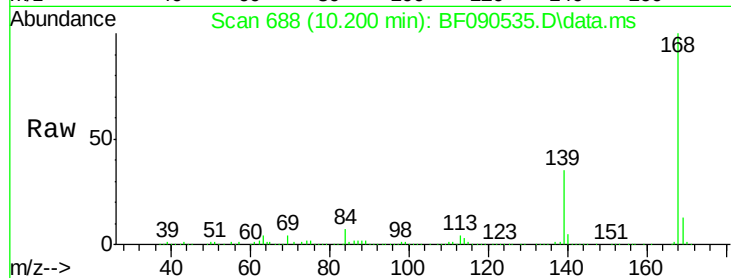
Tot Ion:168 Resp: 363819

Ion Ratio Lower Upper

168 100

139 35.0 29.6 44.4

169 13.3 11.3 16.9



#55

4-Nitrophenol

Concen: 18.95 ng

RT: 10.200 min Scan# 688

Delta R.T. 0.092 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

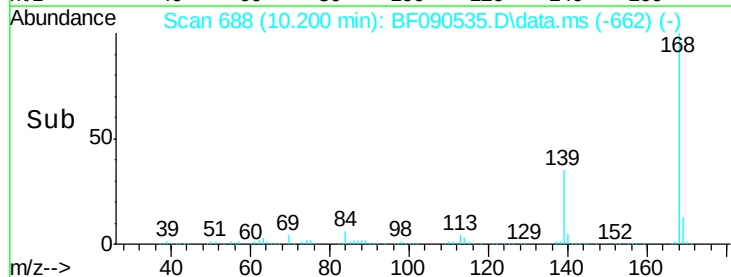
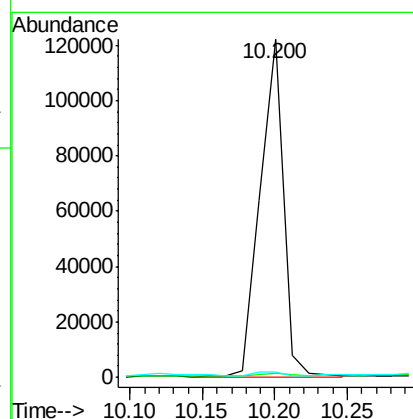
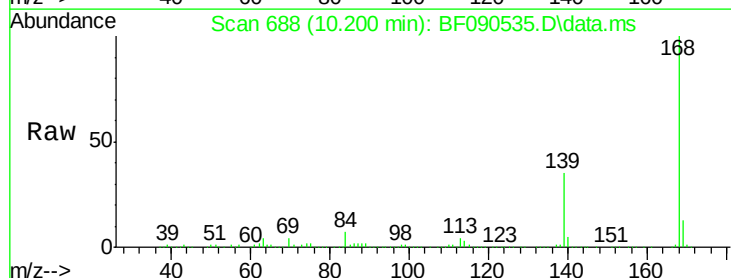
Tgt Ion:139 Resp: 137258

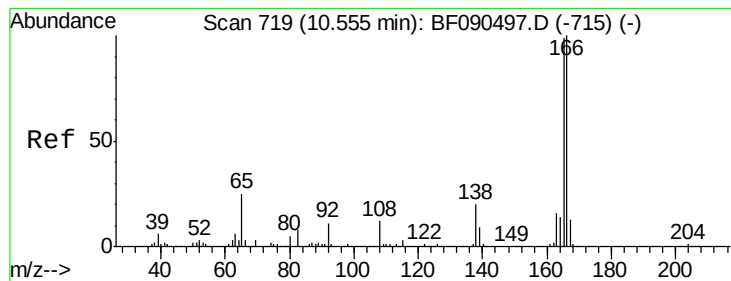
Ion Ratio Lower Upper

139 100

109 1.3 43.6 83.6#

65 1.5 87.5 127.5#





#57

Fluorene

Concen: 27.49 ng

RT: 10.543 min Scan# 71

Delta R.T. -0.011 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

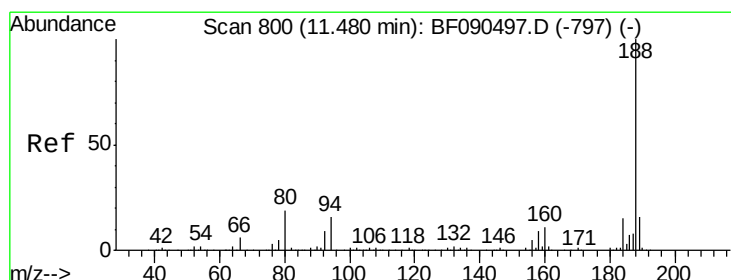
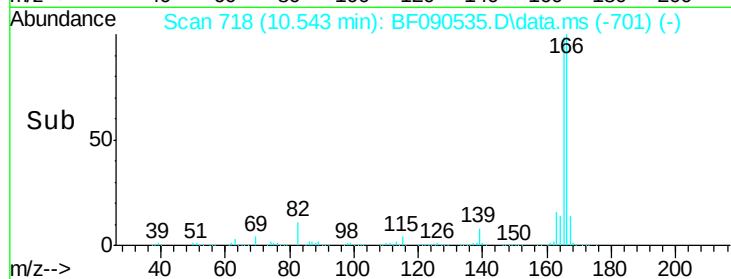
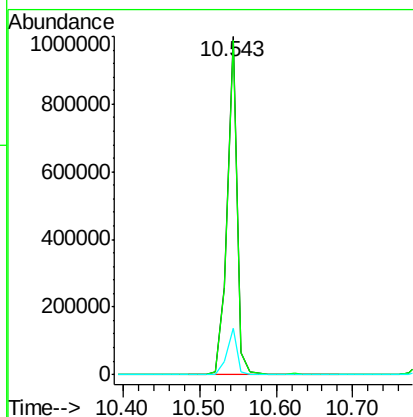
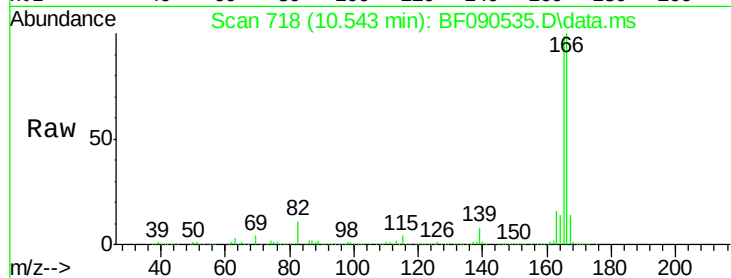
Tot Ion:166 Resp: 928395

Ion Ratio Lower Upper

166 100

165 98.8 79.2 118.8

167 13.7 11.1 16.7



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.481 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

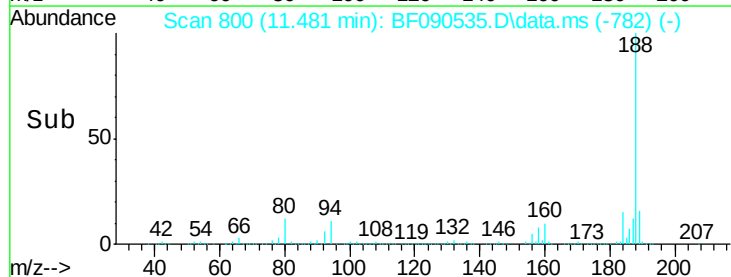
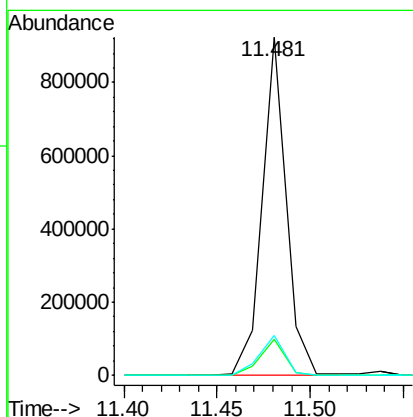
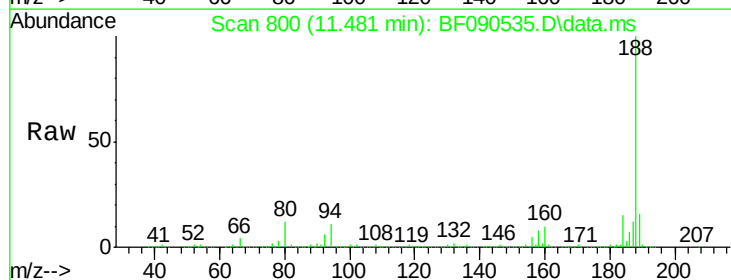
Tgt Ion:188 Resp: 815768

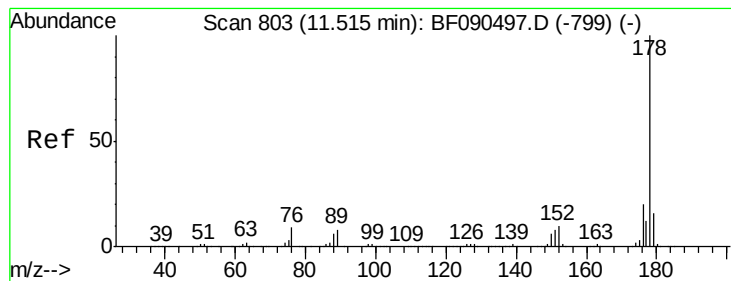
Ion Ratio Lower Upper

188 100

94 10.6 8.2 12.2

80 11.7 8.8 13.2





#70

Phenanthrene

Concen: 11.15 ng

RT: 11.503 min Scan# 80

Delta R.T. -0.011 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

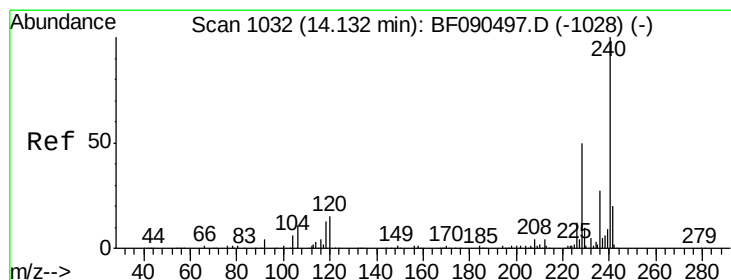
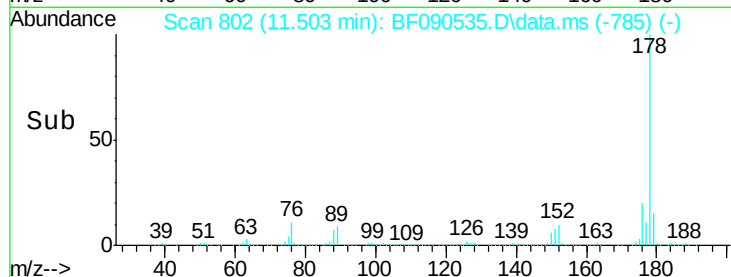
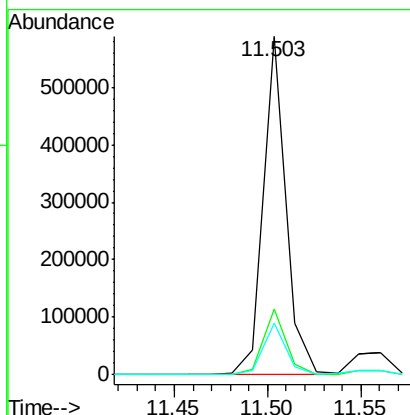
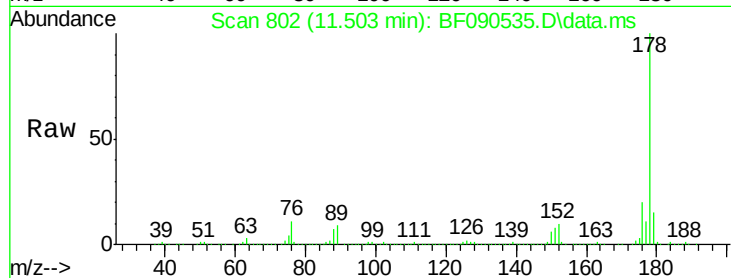
Tot Ion:178 Resp: 501389

Ion Ratio Lower Upper

178 100

176 19.5 17.3 25.9

179 15.4 13.8 20.6



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.121 min Scan# 1031

Delta R.T. -0.011 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

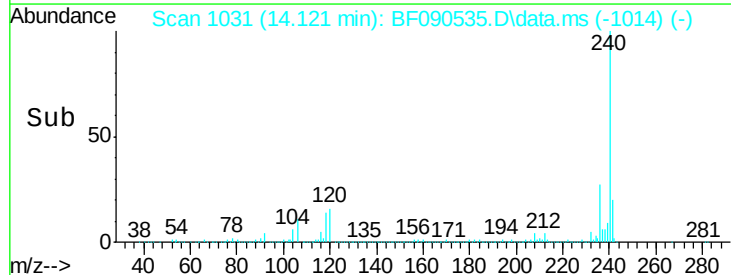
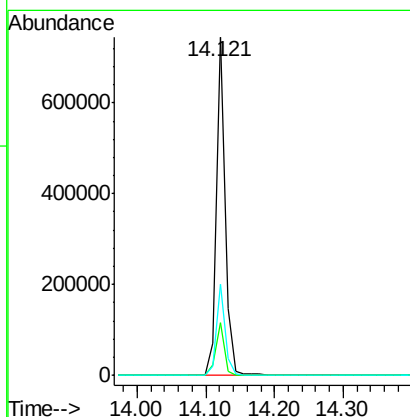
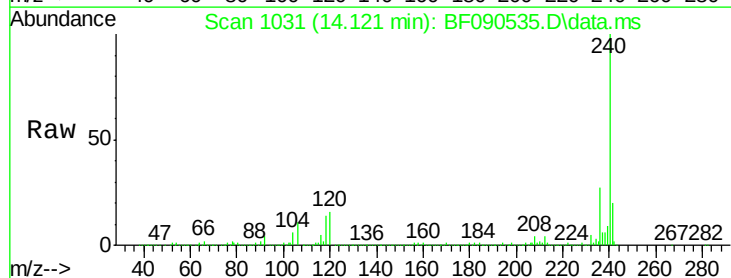
Tgt Ion:240 Resp: 676639

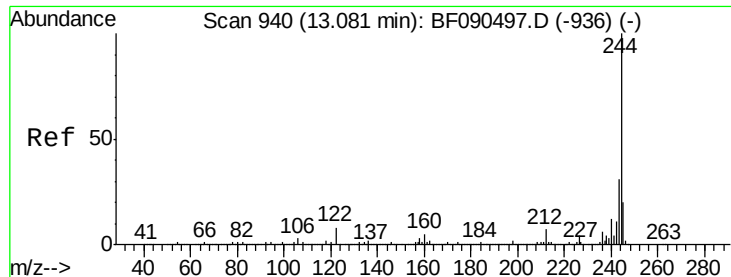
Ion Ratio Lower Upper

240 100

120 15.7 8.6 13.0#

236 27.0 21.6 32.4





#78

Terphenyl-d14

Concen: 82.33 ng

RT: 13.069 min Scan# 93

Delta R.T. -0.011 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Instrument :

BNA_F

ClientSampleId :

AOU2-MW3-100716

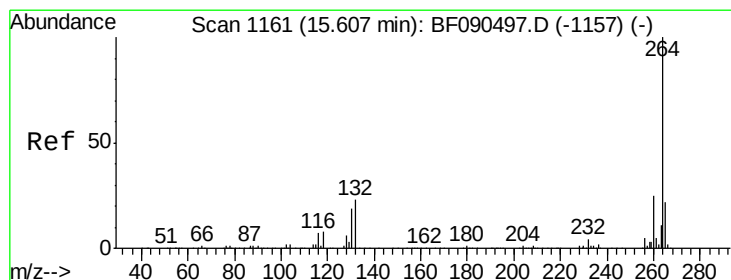
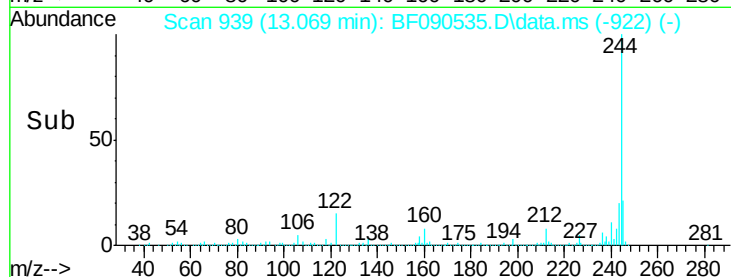
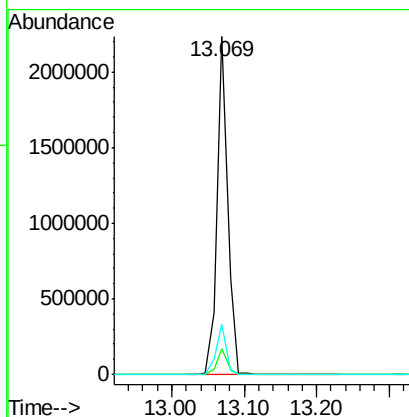
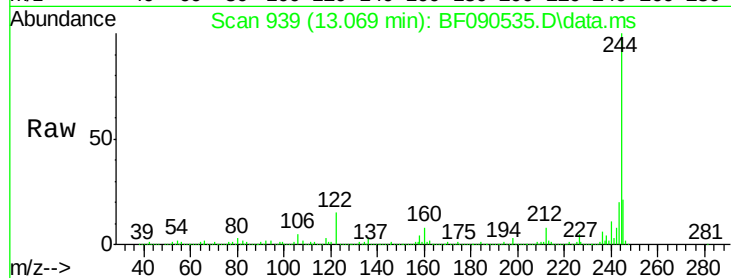
Tot Ion:244 Resp: 2279409

Ion Ratio Lower Upper

244 100

212 7.7 6.8 10.2

122 14.7 13.3 19.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.595 min Scan# 1160

Delta R.T. -0.011 min

Lab File: BF090535.D

Acq: 12 Oct 2016 15:10

Tgt Ion:264 Resp: 503591

Ion Ratio Lower Upper

264 100

260 24.8 19.3 28.9

265 22.0 17.4 26.0

