

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031616\
 Data File : BF085494.D
 Acq On : 17 Mar 2016 6:40
 Operator : UM/SJ
 Sample : H1796-22 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB23(10-13)

Quant Time: Mar 17 07:07:08 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

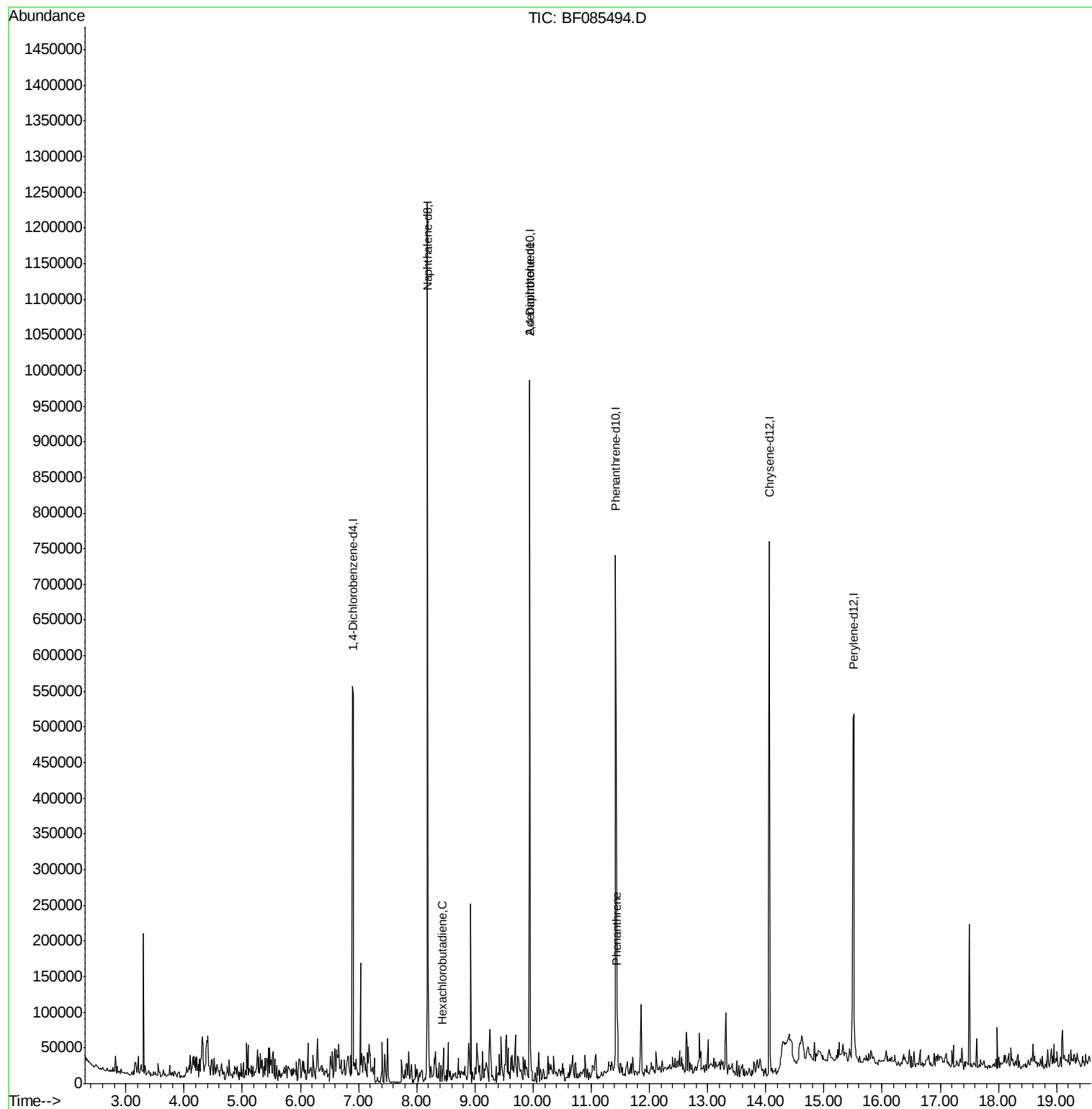
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	126129	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	515057	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	218764	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	337373	20.00	ng	-0.02
75) Chrysene-d12	14.06	240	243678	20.00	ng	-0.02
86) Perylene-d12	15.51	264	273555	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	8247	1.12	ng	-0.01
7) Phenol-d6	6.52	99	13887	1.46	ng	-0.03
23) Nitrobenzene-d5	7.46	82	7560	0.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	2216	1.10	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	21247	1.68	ng	-0.02
78) Terphenyl-d14	13.01	244	12147	1.13	ng	-0.02
Target Compounds						
34) Hexachlorobutadiene	8.45	225	8300	2.03	ng	# 18
56) 2,4-Dinitrotoluene	9.94	165	26844	6.07	ng	# 22
70) Phenanthrene	11.44	178	37810	2.15	ng	98

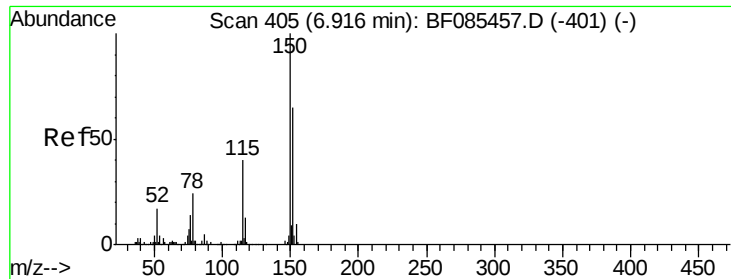
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF085494.D

Acq: 17 Mar 2016 6:40

Instrument :

BNA_F

ClientSampleId :

AOU2-SB23(10-13)

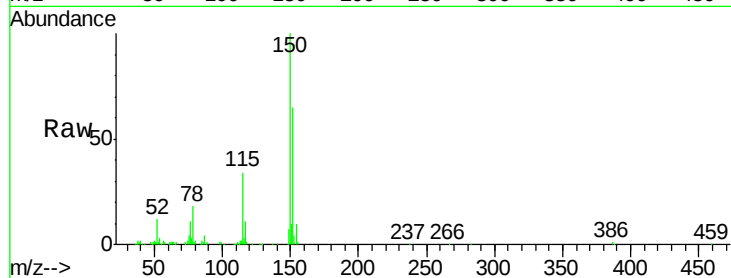
Tgt Ion:152 Resp: 126129

Ion Ratio Lower Upper

152 100

150 155.0 124.6 186.8

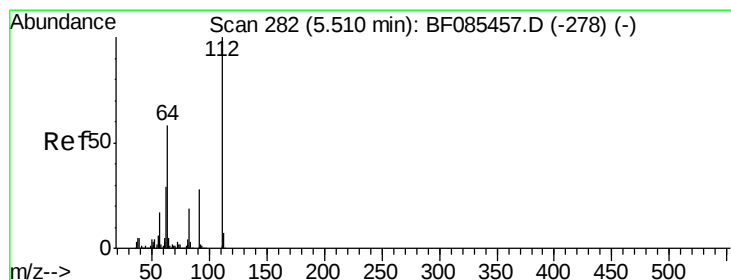
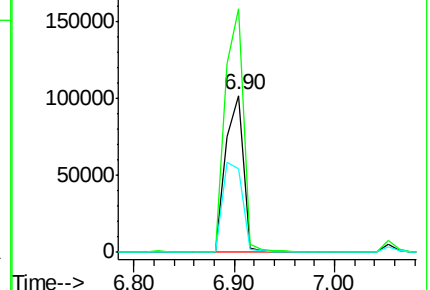
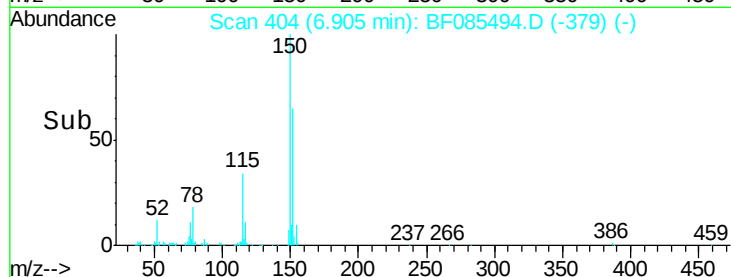
115 53.4 46.6 70.0



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: 1.12 ng

RT: 5.50 min Scan# 281

Delta R.T. -0.01 min

Lab File: BF085494.D

Acq: 17 Mar 2016 6:40

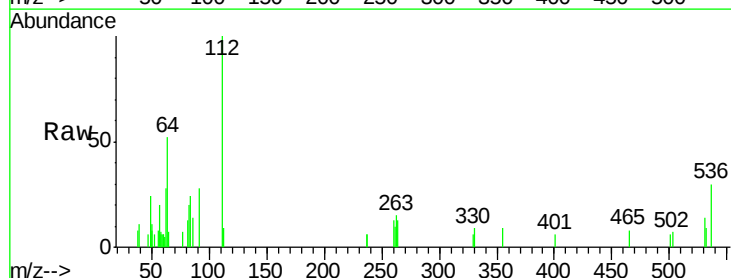
Tgt Ion:112 Resp: 8247

Ion Ratio Lower Upper

112 100

64 51.5 49.0 73.4

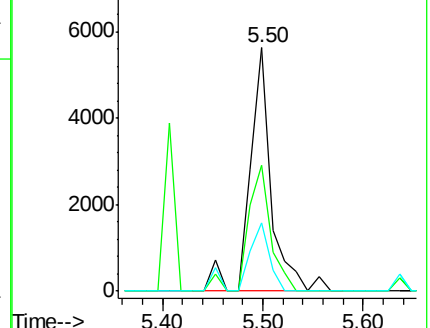
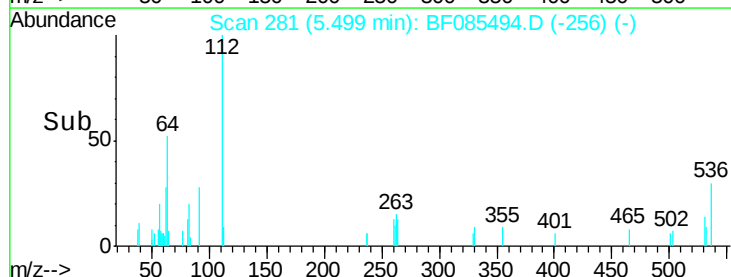
63 28.0 24.8 37.2

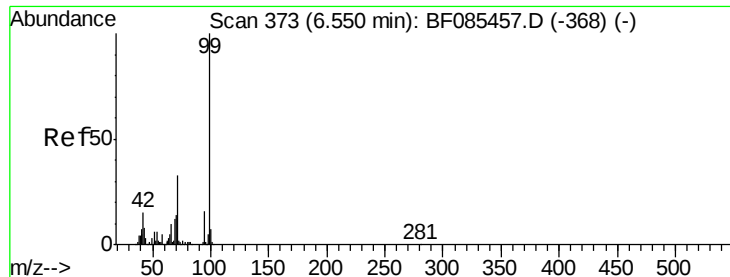


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.46 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085494.D

Acq: 17 Mar 2016 6:40

Instrument :

BNA_F

ClientSampleId :

AOU2-SB23(10-13)

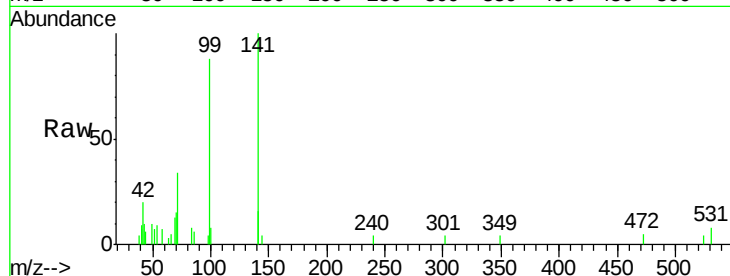
Tgt Ion: 99 Resp: 13887

Ion Ratio Lower Upper

99 100

42 23.3 13.6 20.4#

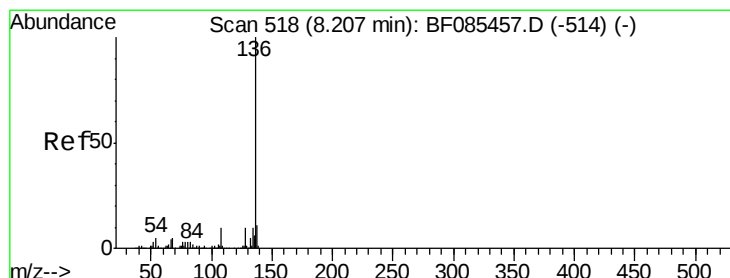
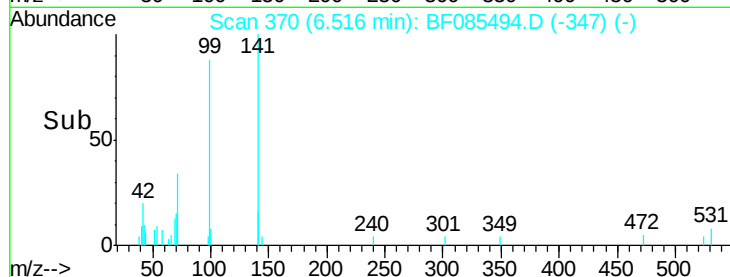
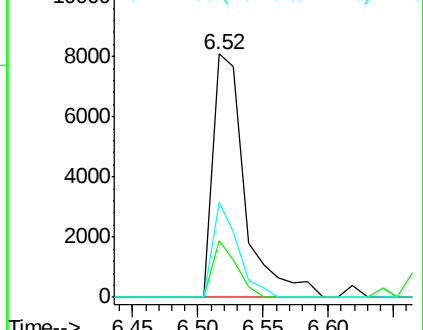
71 38.9 26.7 40.1



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 516

Delta R.T. -0.02 min

Lab File: BF085494.D

Acq: 17 Mar 2016 6:40

Tgt Ion: 136 Resp: 515057

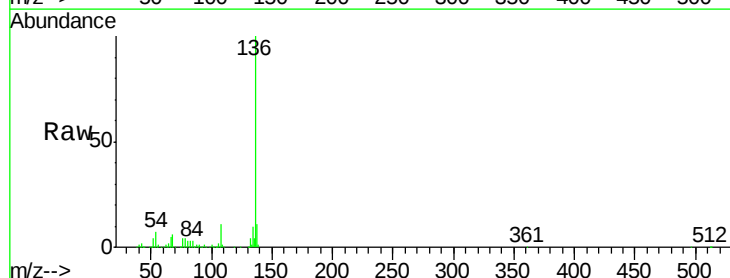
Ion Ratio Lower Upper

136 100

137 11.0 9.3 13.9

54 7.4 7.4 11.2#

68 6.2 6.0 9.0

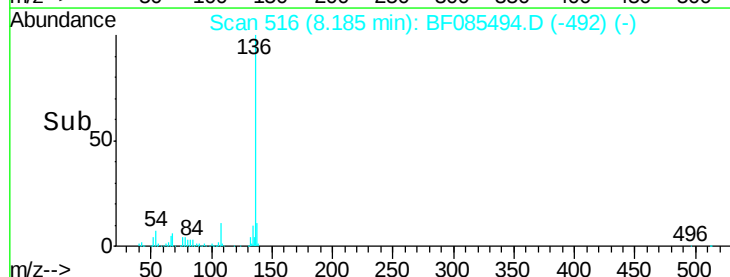
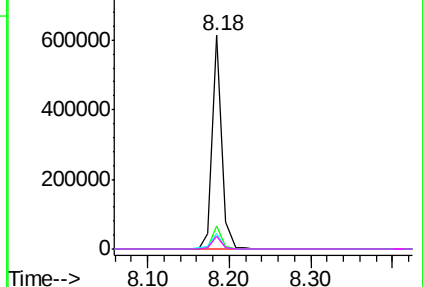


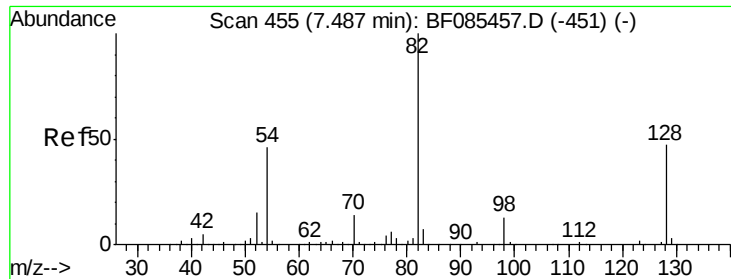
Abundance Ion 136.00 (135.70 to 136.70): E

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

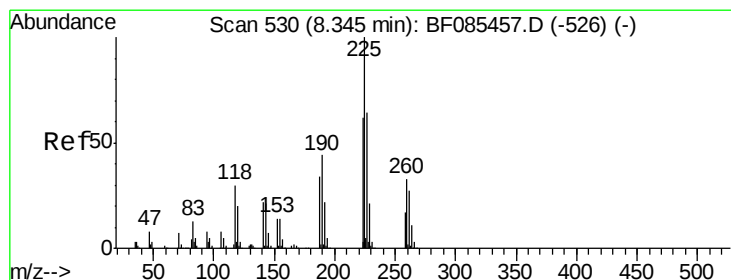
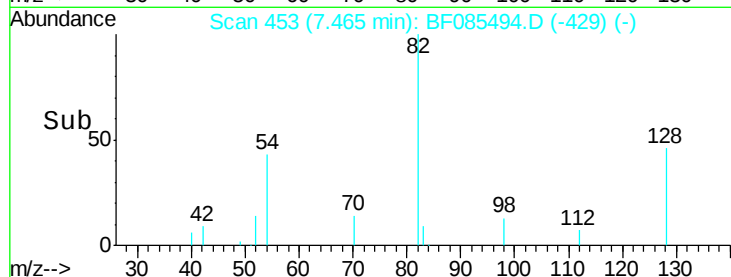
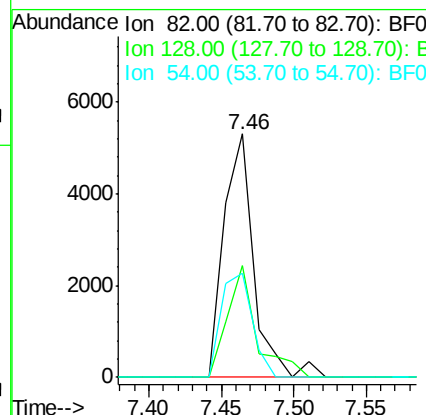
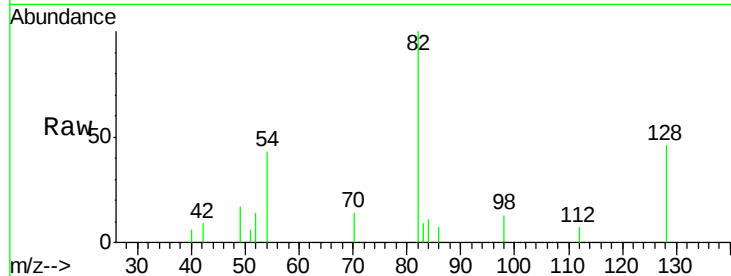




#23
 Nitrobenzene-d5
 Concen: 0.87 ng
 RT: 7.46 min Scan# 453
 Delta R.T. -0.02 min
 Lab File: BF085494.D
 Acq: 17 Mar 2016 6:40

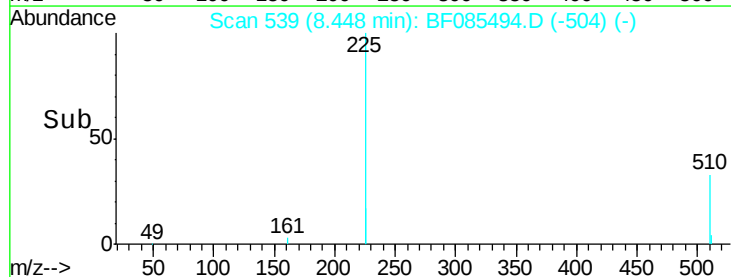
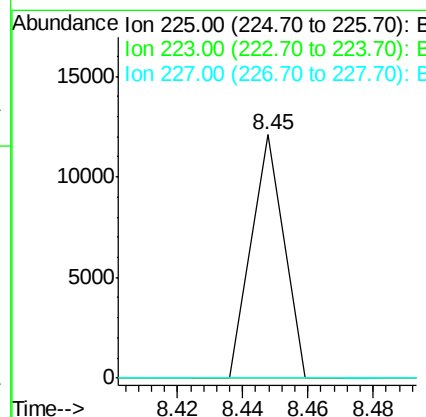
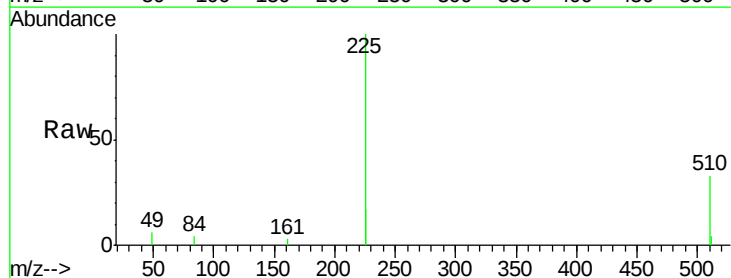
Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB23(10-13)

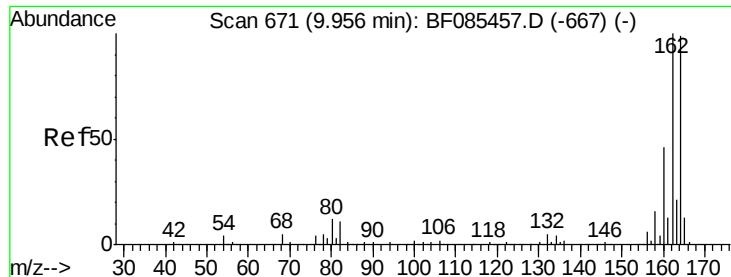
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.5	51.7
54	42.8	39.3	58.9



#34
 Hexachlorobutadiene
 Concen: 2.03 ng
 RT: 8.45 min Scan# 539
 Delta R.T. 0.10 min
 Lab File: BF085494.D
 Acq: 17 Mar 2016 6:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	49.7	74.5#
227	0.0	52.2	78.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF085494.D

Acq: 17 Mar 2016 6:40

Instrument :

BNA_F

ClientSampleId :

AOU2-SB23(10-13)

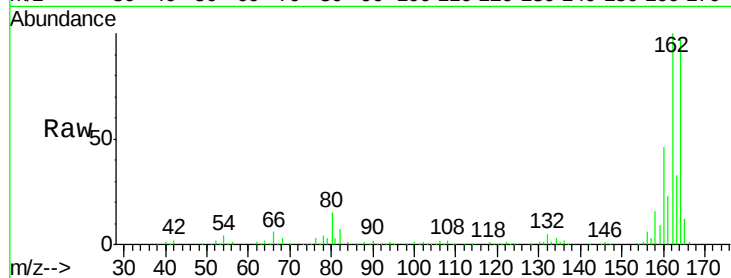
Tgt Ion:164 Resp: 218764

Ion Ratio Lower Upper

164 100

162 103.4 83.3 124.9

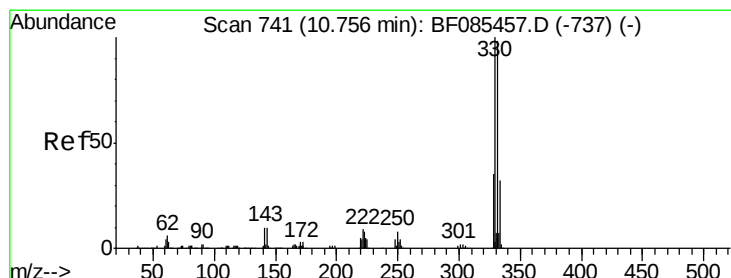
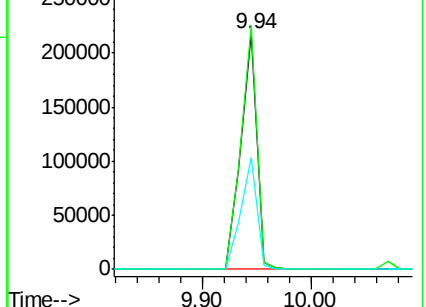
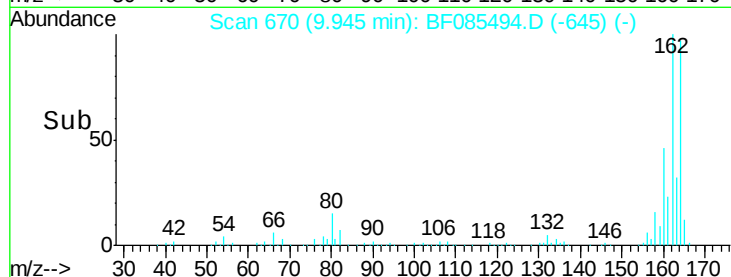
160 47.7 37.9 56.9



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: 1.10 ng

RT: 10.73 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF085494.D

Acq: 17 Mar 2016 6:40

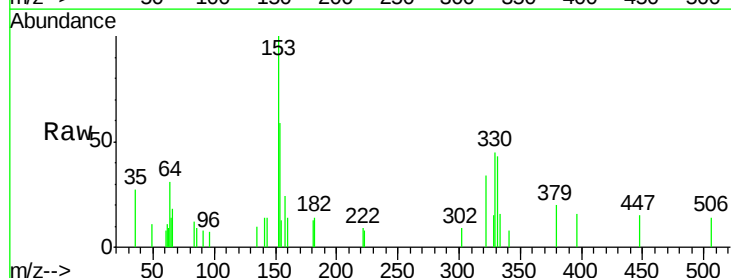
Tgt Ion:330 Resp: 2216

Ion Ratio Lower Upper

330 100

332 104.1 77.1 115.7

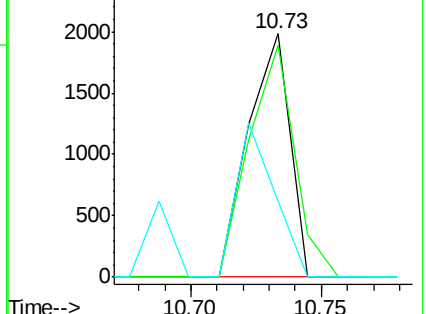
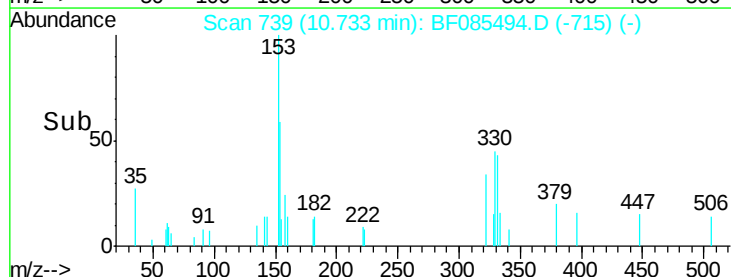
141 58.2 35.0 52.6#

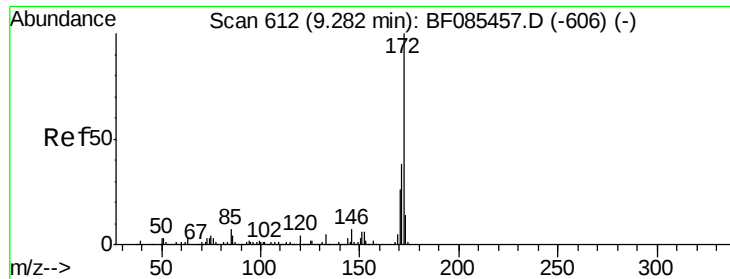


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

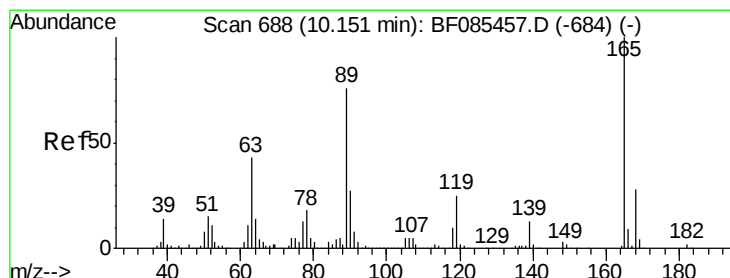
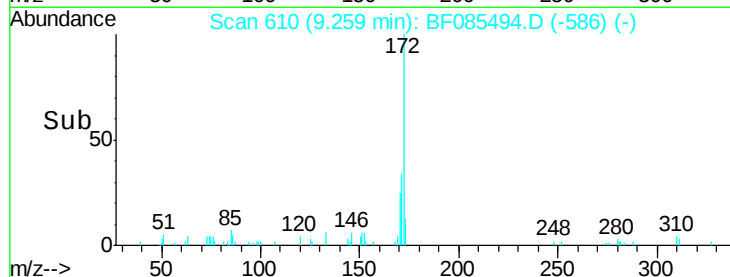
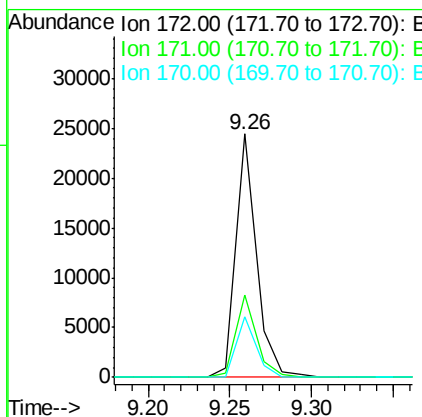
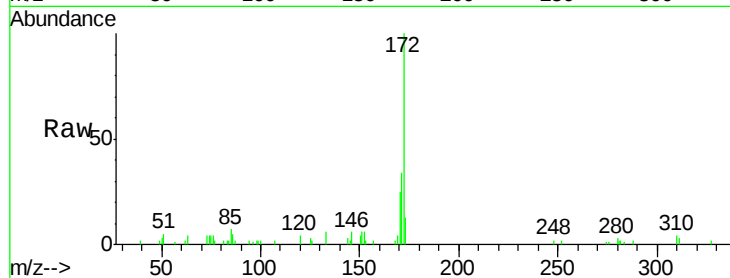




#44
2-Fluorobiphenyl
Concen: 1.68 ng
RT: 9.26 min Scan# 610
Delta R.T. -0.02 min
Lab File: BF085494.D
Acq: 17 Mar 2016 6:40

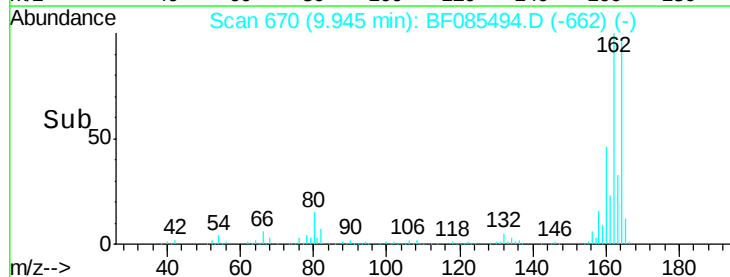
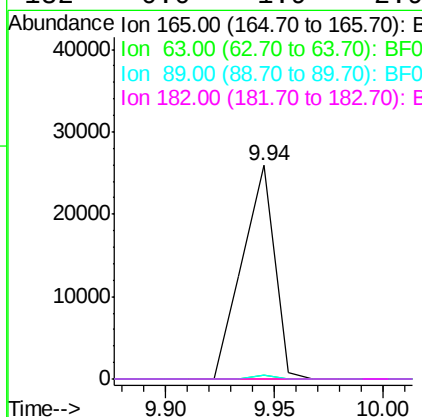
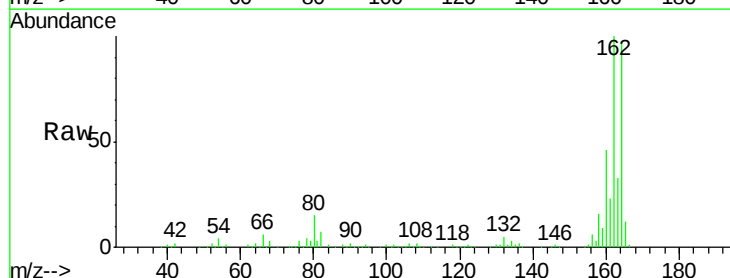
Instrument :
BNA_F
ClientSampleId :
AOU2-SB23(10-13)

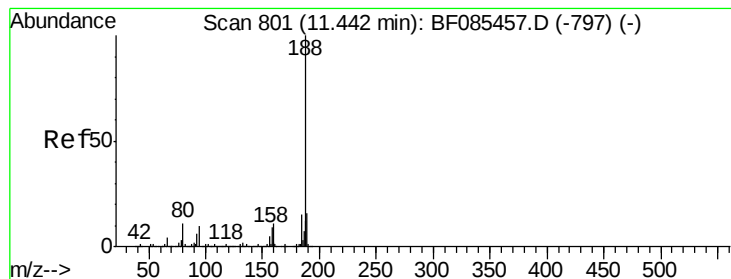
Tgt Ion:172 Resp: 21247
Ion Ratio Lower Upper
172 100
171 33.6 29.3 43.9
170 24.8 20.0 30.0



#56
2,4-Dinitrotoluene
Concen: 6.07 ng
RT: 9.94 min Scan# 670
Delta R.T. -0.21 min
Lab File: BF085494.D
Acq: 17 Mar 2016 6:40

Tgt Ion:165 Resp: 26844
Ion Ratio Lower Upper
165 100
63 1.6 35.4 53.0#
89 1.9 61.9 92.9#
182 0.0 1.9 2.9#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF085494.D

Acq: 17 Mar 2016 6:40

Instrument :

BNA_F

ClientSampleId :

AOU2-SB23(10-13)

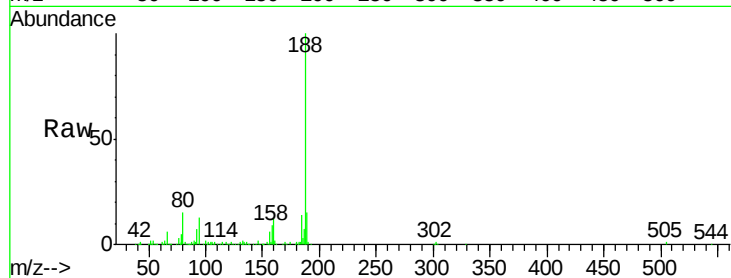
Tgt Ion:188 Resp: 337373

Ion Ratio Lower Upper

188 100

94 13.4 7.0 10.6#

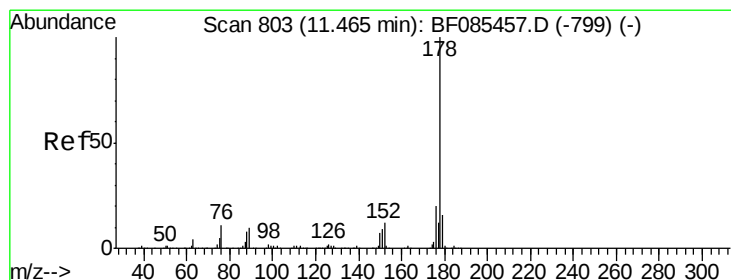
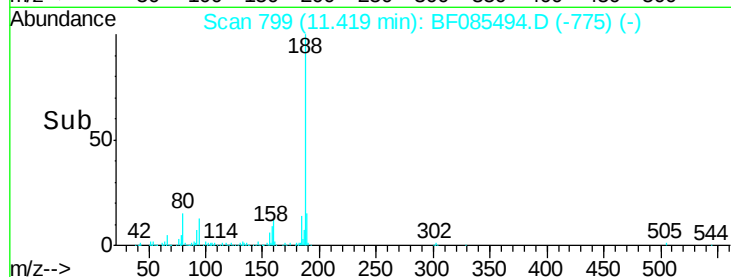
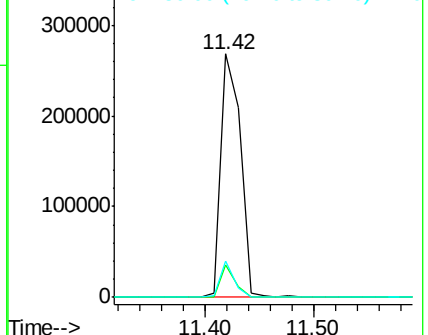
80 14.7 7.4 11.0#



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: 2.15 ng

RT: 11.44 min Scan# 801

Delta R.T. -0.02 min

Lab File: BF085494.D

Acq: 17 Mar 2016 6:40

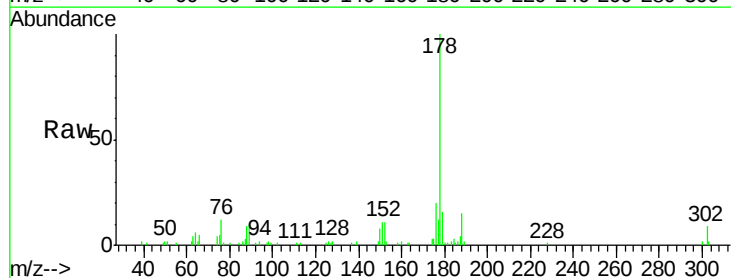
Tgt Ion:178 Resp: 37810

Ion Ratio Lower Upper

178 100

176 19.7 16.8 25.2

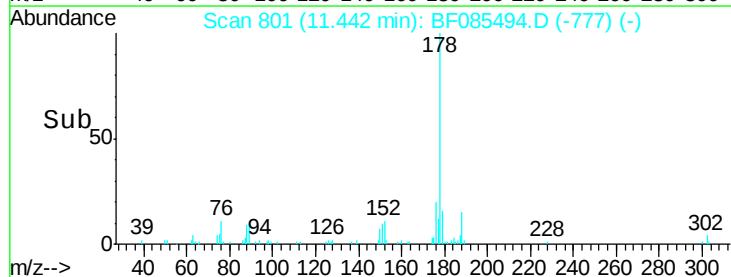
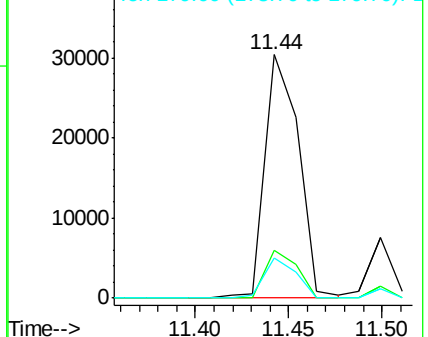
179 16.2 13.1 19.7

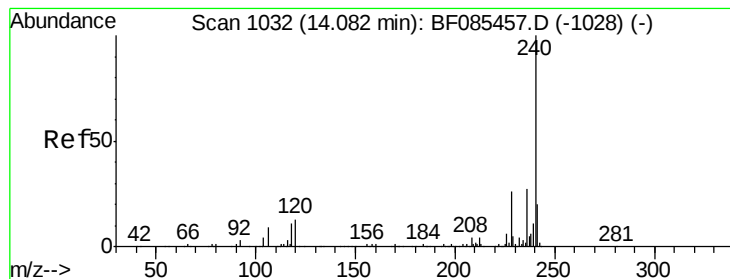


Abundance Ion 178.00 (177.70 to 178.70): E

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: 14.06 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BF085494.D

Acq: 17 Mar 2016 6:40

Instrument :

BNA_F

ClientSampleId :

AOU2-SB23(10-13)

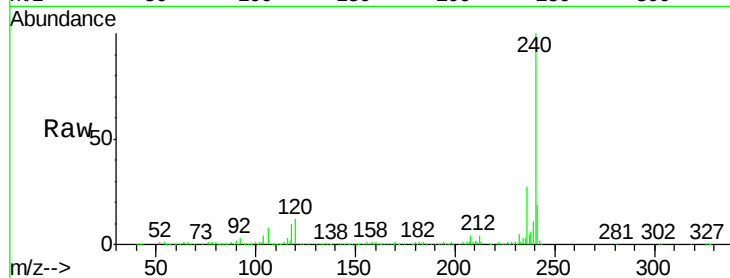
Tgt Ion:240 Resp: 243678

Ion Ratio Lower Upper

240 100

120 11.6 5.3 7.9#

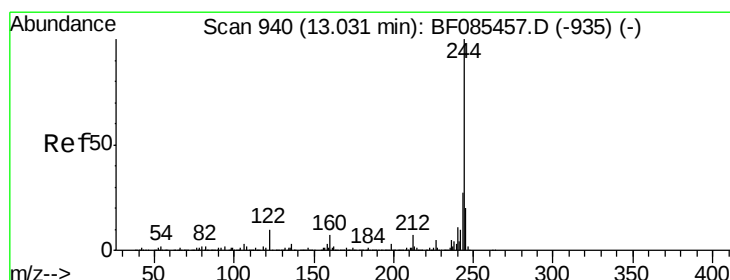
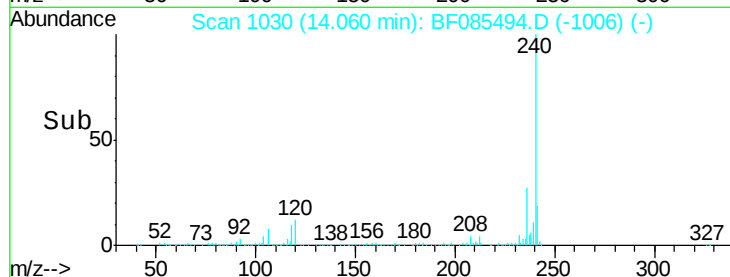
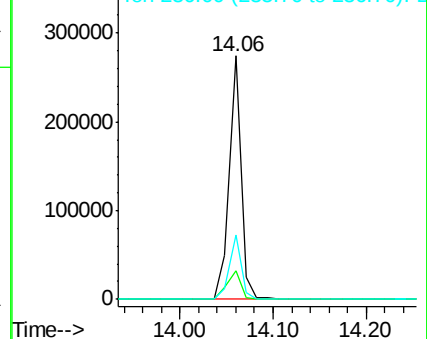
236 26.6 20.7 31.1



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: 1.13 ng

RT: 13.01 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF085494.D

Acq: 17 Mar 2016 6:40

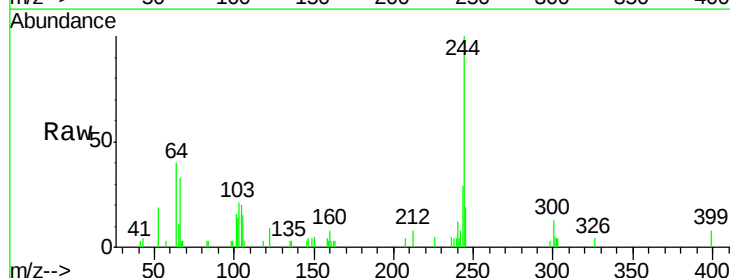
Tgt Ion:244 Resp: 12147

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

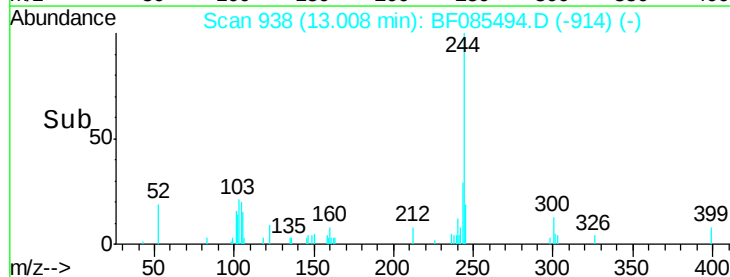
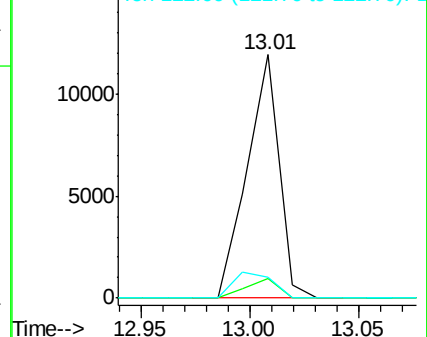
122 8.7 11.4 17.2#

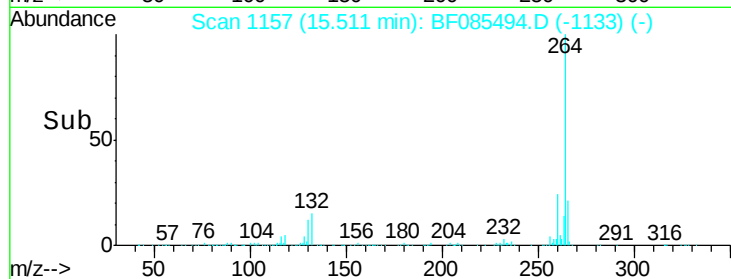
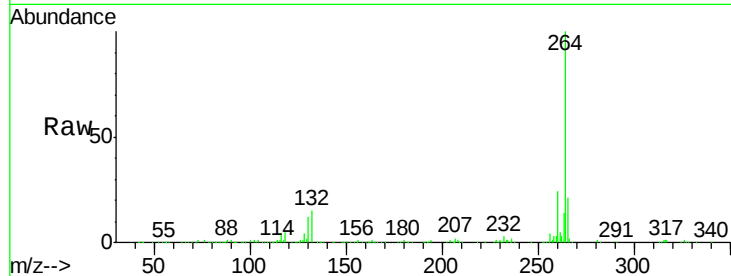
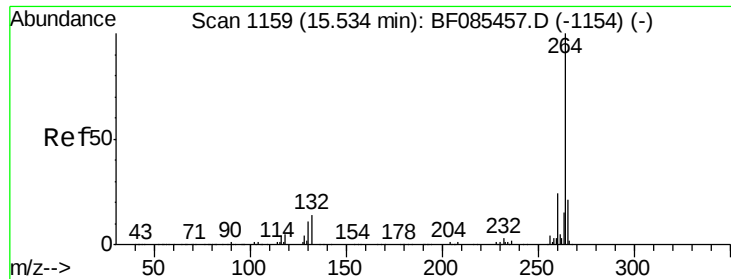


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.51 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF085494.D

Acq: 17 Mar 2016 6:40

Instrument :

BNA_F

ClientSampleId :

AOU2-SB23(10-13)

Tgt Ion:264 Resp: 273555

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.5 17.3 25.9

