

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
 Data File : BF083590.D
 Acq On : 8 Dec 2015 9:14
 Operator : UM/IZ
 Sample : G4588-21
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-05

Quant Time: Dec 08 10:00:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

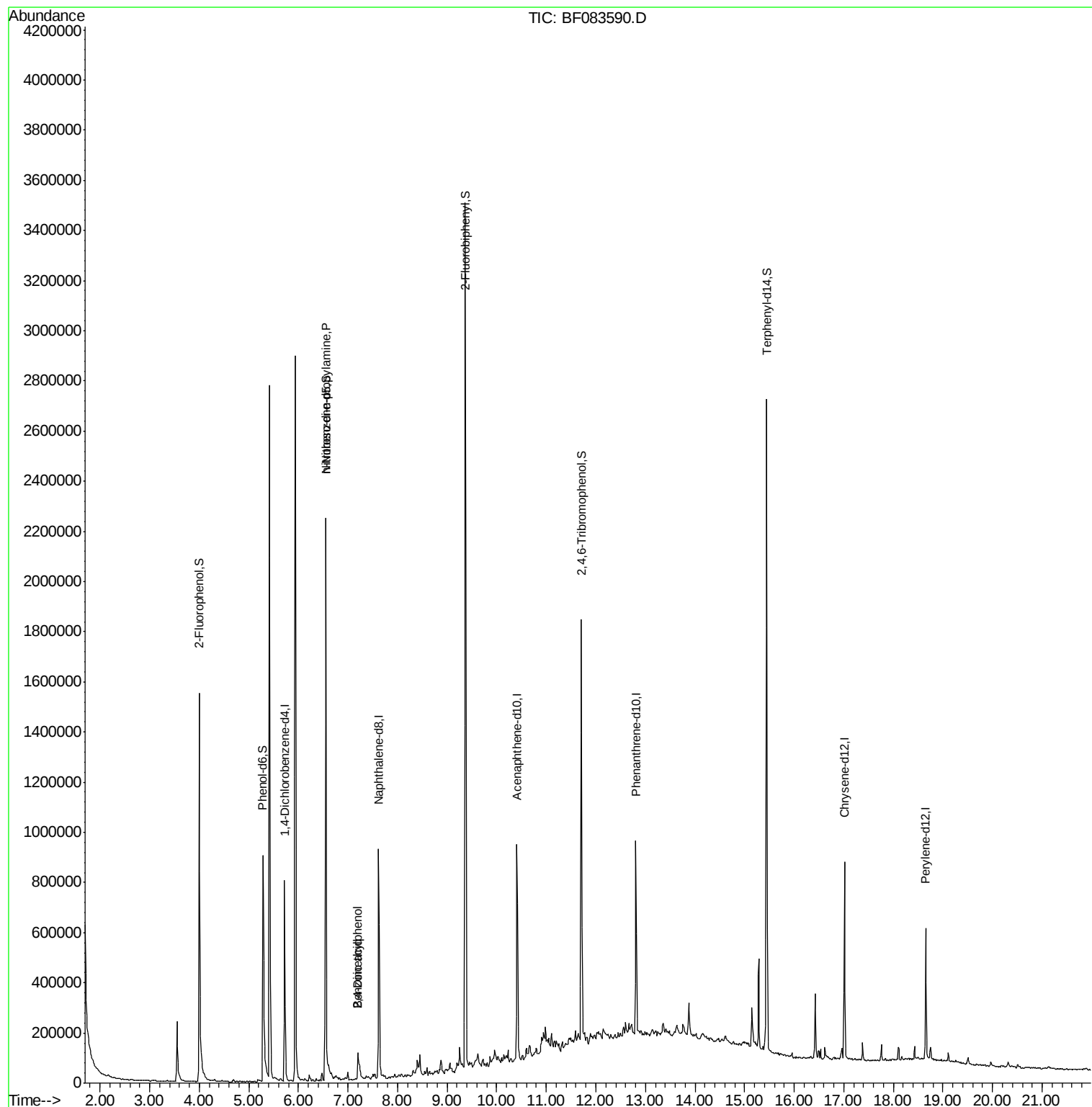
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.72	152	160295	20.00	ng	-0.05
21) Naphthalene-d8	7.62	136	583316	20.00	ng	-0.06
38) Acenaphthene-d10	10.41	164	257501	20.00	ng	-0.06
63) Phenanthrene-d10	12.81	188	389441	20.00	ng	-0.05
75) Chrysene-d12	17.01	240	354837	20.00	ng	-0.03
86) Perylene-d12	18.65	264	247596	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.00	112	649689	61.49	ng	-0.03
7) Phenol-d6	5.29	99	549931	37.78	ng	-0.03
23) Nitrobenzene-d5	6.56	82	1136153	91.05	ng	-0.05
41) 2,4,6-Tribromophenol	11.71	330	281829	118.65	ng	-0.05
44) 2-Fluorobiphenyl	9.37	172	1699130	89.50	ng	-0.06
78) Terphenyl-d14	15.45	244	1196944	75.06	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.56	70	146634	15.10	ng	# 79
27) 2,4-Dimethylphenol	7.20	122	47351	4.94	ng	98
32) Benzoic acid	7.20	122	47350	11.26	ng	# 14

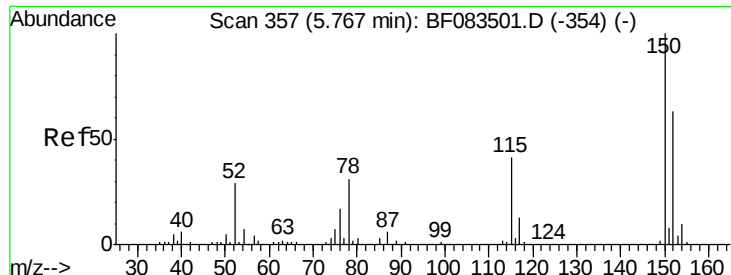
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
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QLast Update : Sat Dec 05 04:12:46 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.72 min Scan# 353

Delta R.T. -0.05 min

Lab File: BF083590.D

Acq: 8 Dec 2015 9:14

Instrument :

BNA_F

ClientSampleId :

MW-05

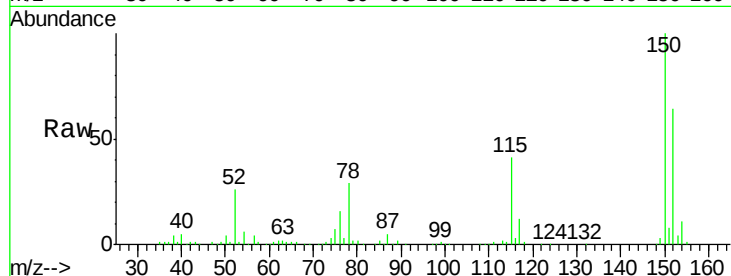
Tot Ion:152 Resp: 160295

Ion Ratio Lower Upper

152 100

150 157.2 126.5 189.7

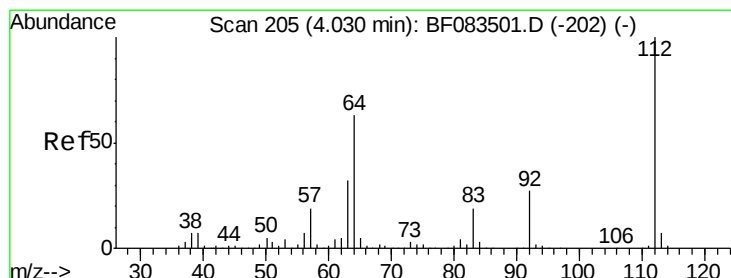
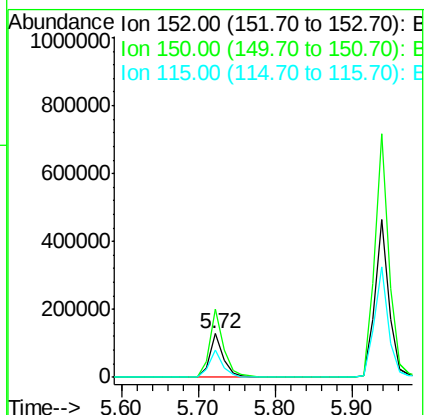
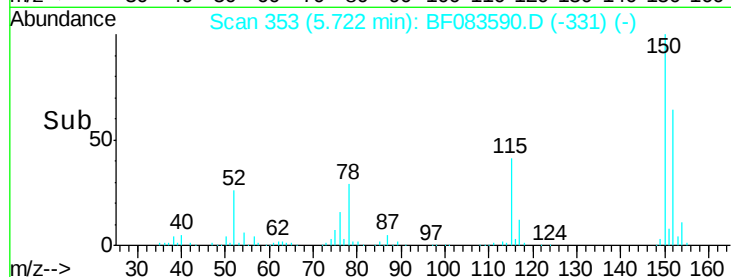
115 63.9 52.3 78.5



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: 61.49 ng

RT: 4.00 min Scan# 202

Delta R.T. -0.03 min

Lab File: BF083590.D

Acq: 8 Dec 2015 9:14

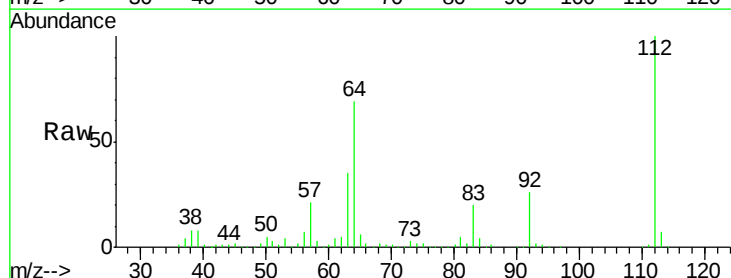
Tgt Ion:112 Resp: 649689

Ion Ratio Lower Upper

112 100

64 69.4 50.5 75.7

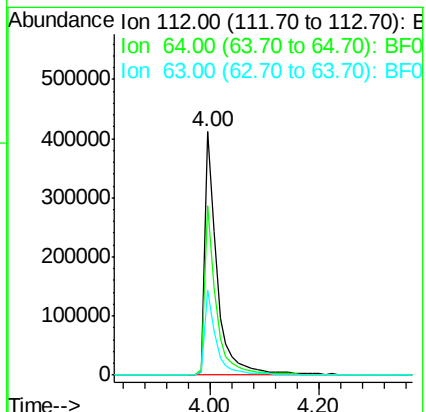
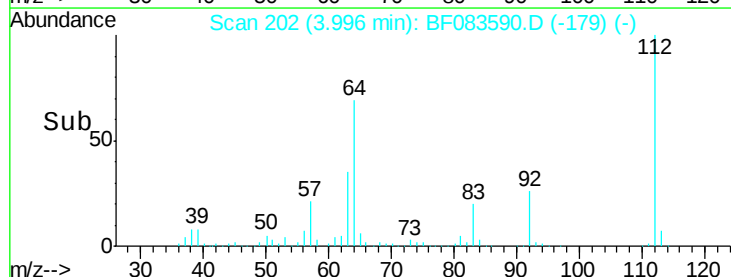
63 35.0 25.8 38.6

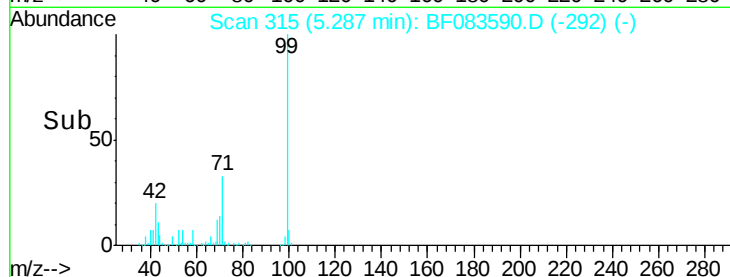
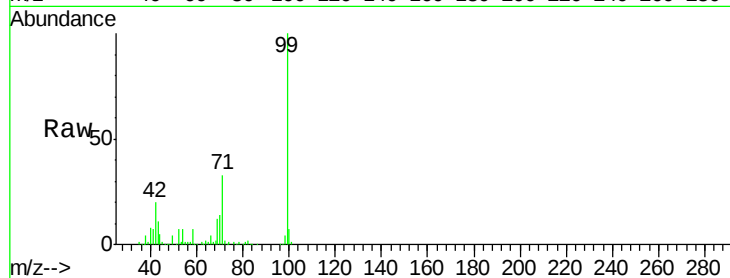
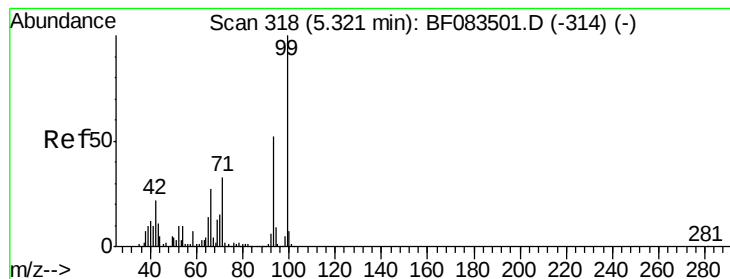


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.78 ng

RT: 5.29 min Scan# 315

Delta R.T. -0.03 min

Lab File: BF083590.D

Acq: 8 Dec 2015 9:14

Instrument :

BNA_F

ClientSampleId :

MW-05

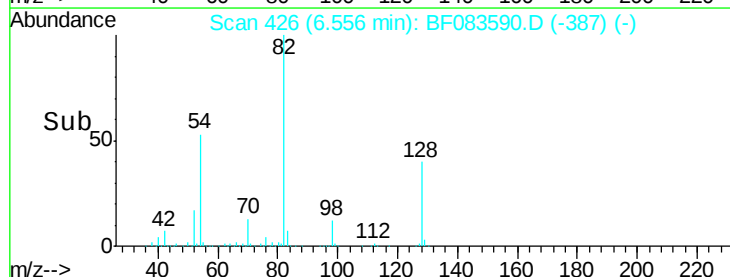
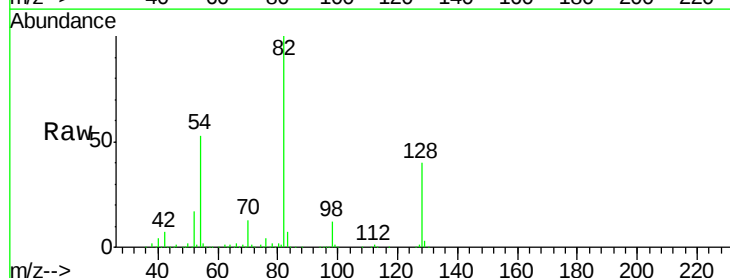
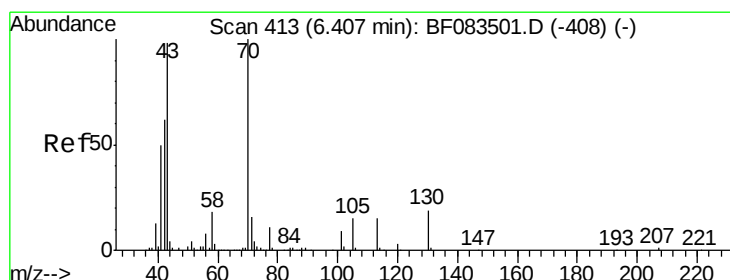
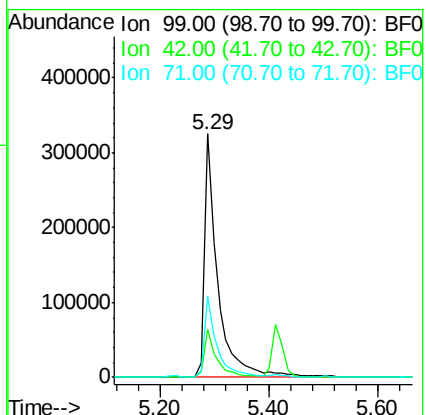
Tot Ion: 99 Resp: 549931

Ion Ratio Lower Upper

99 100

42 19.9 17.3 25.9

71 33.1 26.6 40.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.10 ng

RT: 6.56 min Scan# 426

Delta R.T. 0.15 min

Lab File: BF083590.D

Acq: 8 Dec 2015 9:14

Tgt Ion: 70 Resp: 146634

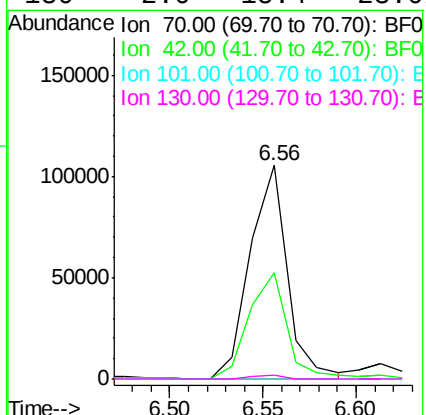
Ion Ratio Lower Upper

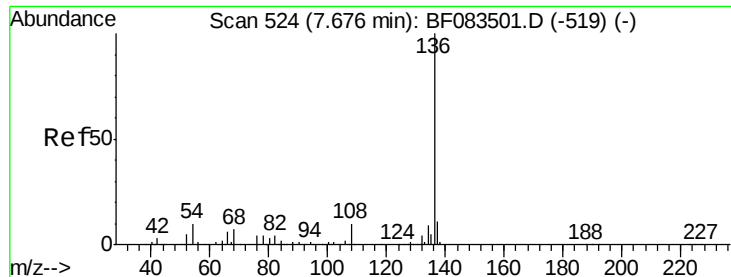
70 100

42 49.9 49.2 73.8

101 0.0 7.1 10.7#

130 2.0 15.4 23.0#

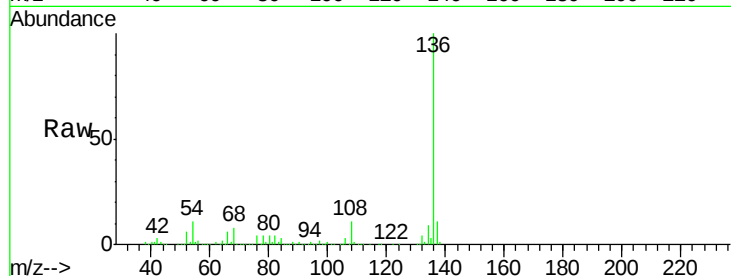




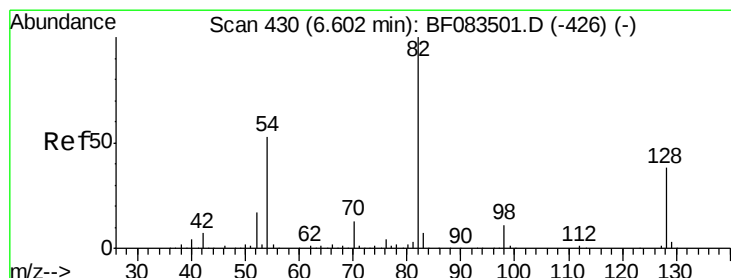
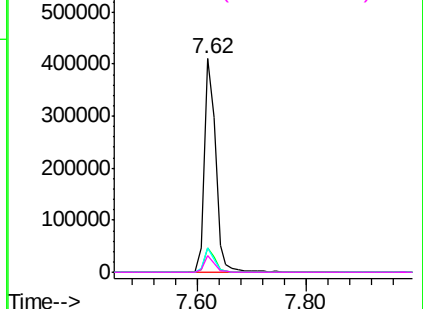
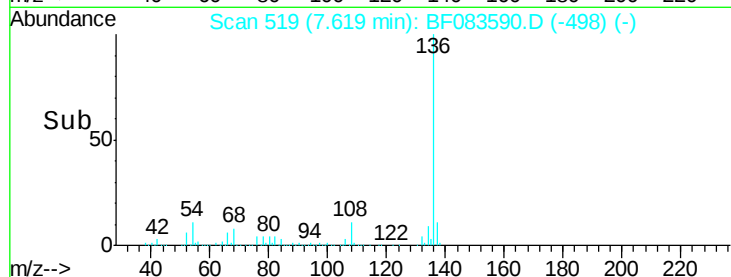
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.62 min Scan# 519
Delta R.T. -0.06 min
Lab File: BF083590.D
Acq: 8 Dec 2015 9:14

Instrument :
BNA_F
ClientSampleId :
MW-05

Tot Ion:136	Resp: 583316
Ion Ratio	Lower Upper
136 100	
137 11.2	8.7 13.1
54 11.1	7.8 11.6
68 7.8	5.7 8.5

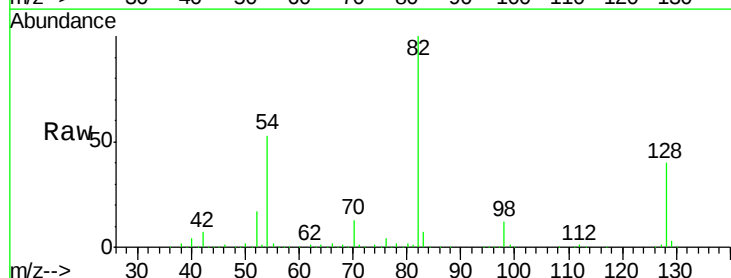


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

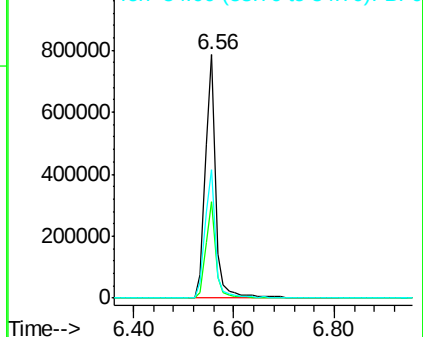
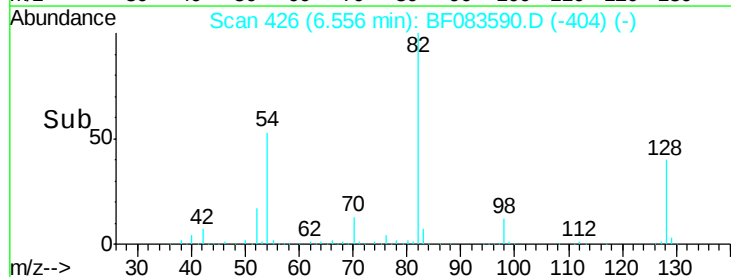


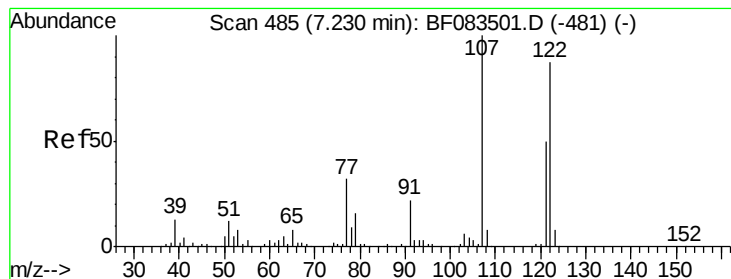
#23
Nitrobenzene-d5
Concen: 91.05 ng
RT: 6.56 min Scan# 426
Delta R.T. -0.05 min
Lab File: BF083590.D
Acq: 8 Dec 2015 9:14

Tgt Ion: 82	Resp: 1136153
Ion Ratio	Lower Upper
82 100	
128 39.7	30.7 46.1
54 53.0	42.5 63.7



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





#27

2,4-Dimethylphenol

Concen: 4.94 ng

RT: 7.20 min Scan# 482

Delta R.T. -0.03 min

Lab File: BF083590.D

Acq: 8 Dec 2015 9:14

Instrument :

BNA_F

ClientSampleId :

MW-05

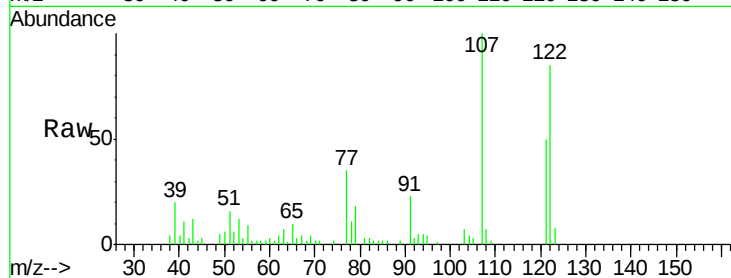
Tot Ion:122 Resp: 47351

Ion Ratio Lower Upper

122 100

107 117.9 92.4 138.6

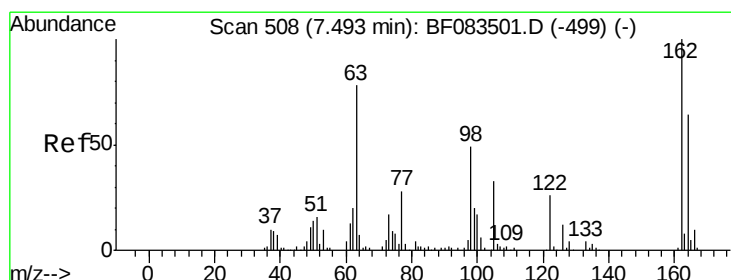
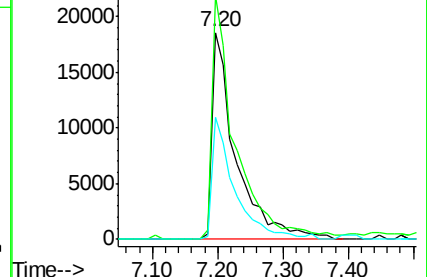
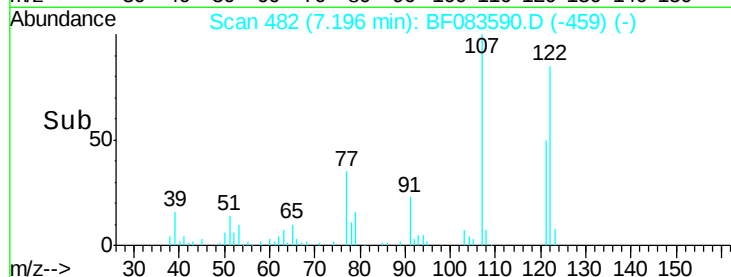
121 59.3 45.8 68.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 11.26 ng

RT: 7.20 min Scan# 482

Delta R.T. -0.30 min

Lab File: BF083590.D

Acq: 8 Dec 2015 9:14

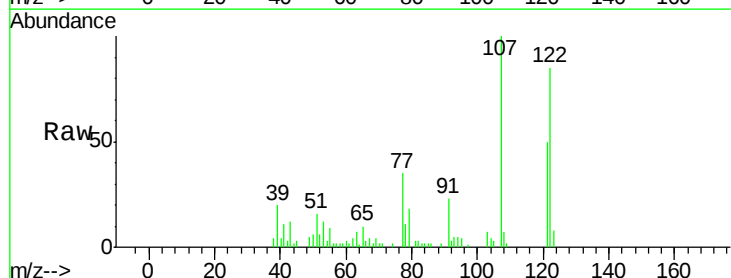
Tgt Ion:122 Resp: 47350

Ion Ratio Lower Upper

122 100

105 4.1 105.6 145.6#

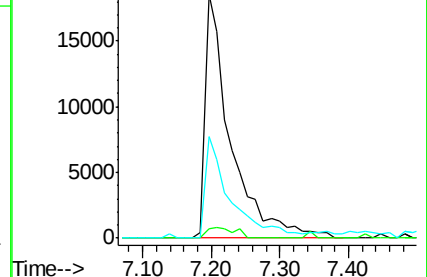
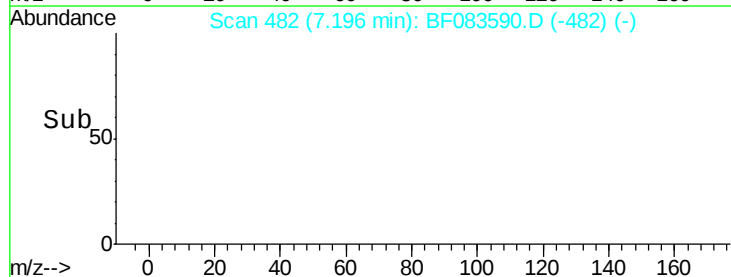
77 41.7 86.8 126.8#

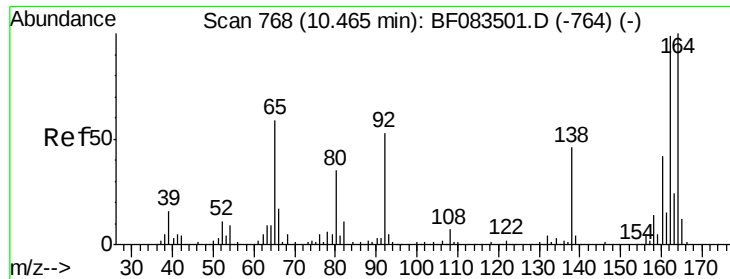


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

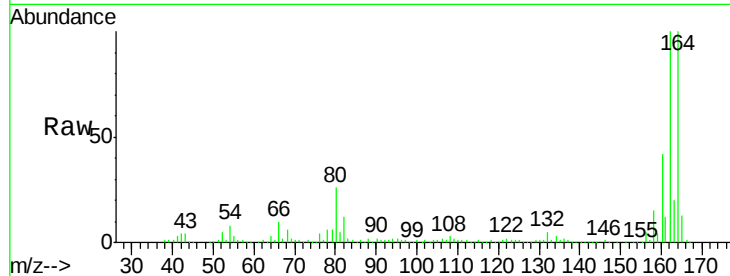




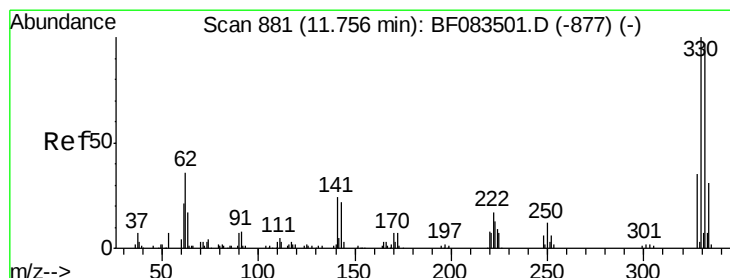
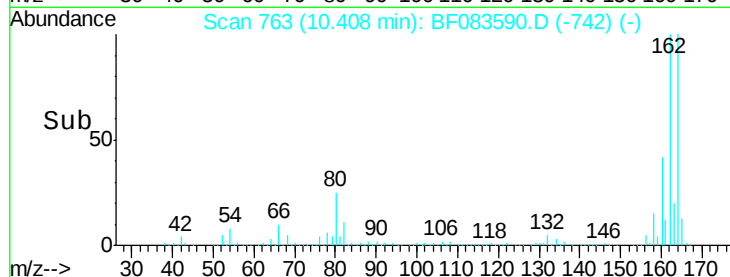
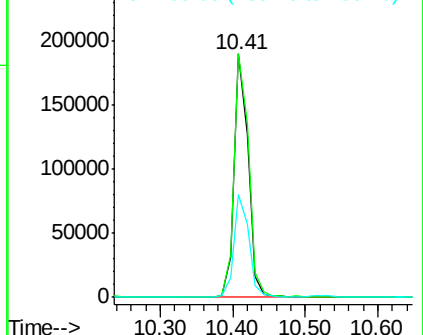
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.41 min Scan# 763
 Delta R.T. -0.06 min
 Lab File: BF083590.D
 Acq: 8 Dec 2015 9:14

Instrument :
 BNA_F
 ClientSampled :
 MW-05

Tot Ion:164 Resp: 257501
 Ion Ratio Lower Upper
 164 100
 162 100.0 78.8 118.2
 160 42.2 33.4 50.2

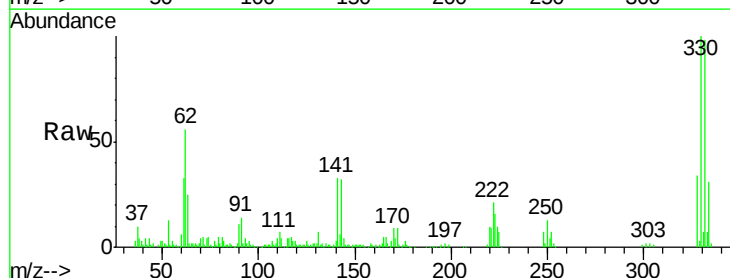


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

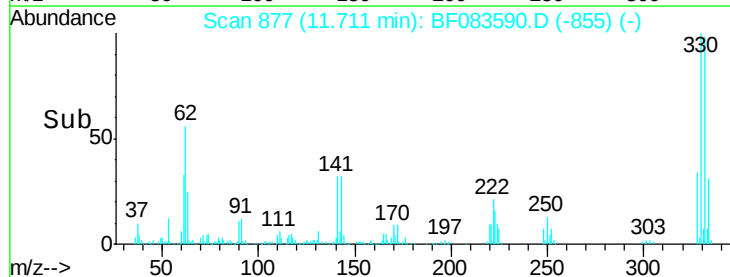
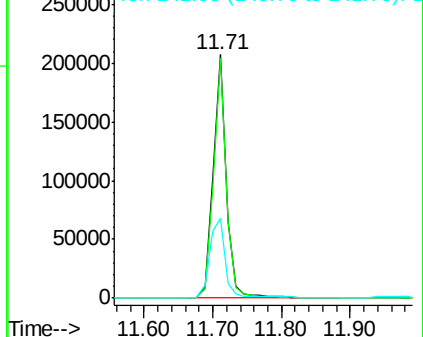


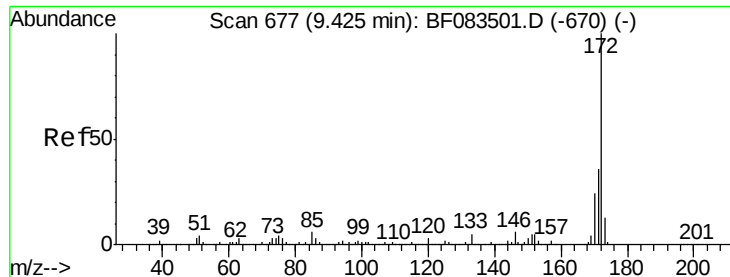
#41
 2,4,6-Tribromophenol
 Concen: 118.65 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083590.D
 Acq: 8 Dec 2015 9:14

Tgt Ion:330 Resp: 281829
 Ion Ratio Lower Upper
 330 100
 332 96.2 0.0 0.0#
 141 37.1 0.0 0.0#



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: 89.50 ng

RT: 9.37 min Scan# 672

Delta R.T. -0.06 min

Lab File: BF083590.D

Acq: 8 Dec 2015 9:14

Instrument :

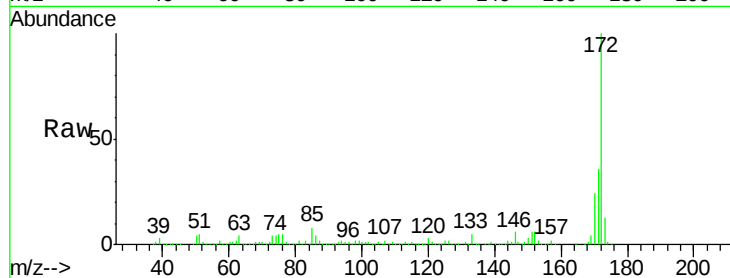
BNA_F

ClientSampled :

MW-05

Tot Ion:172 Resp: 1699130

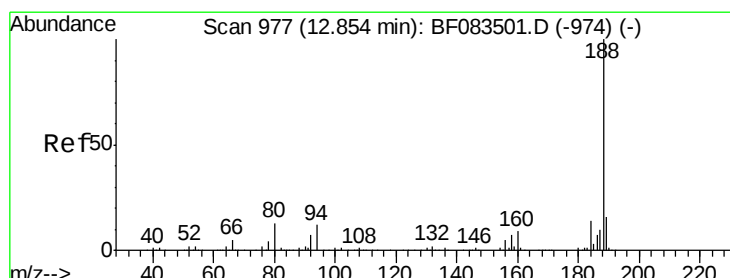
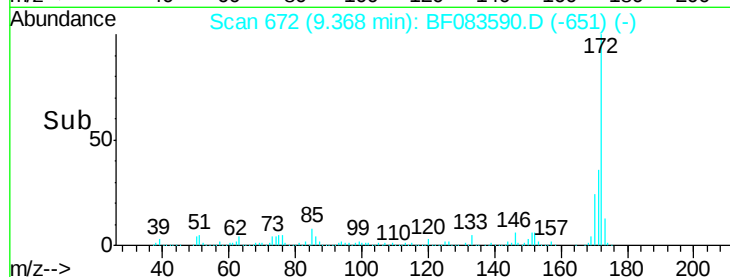
Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	24.2	19.4	29.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.81 min Scan# 973

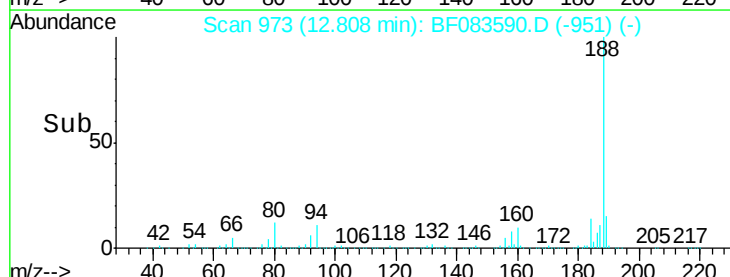
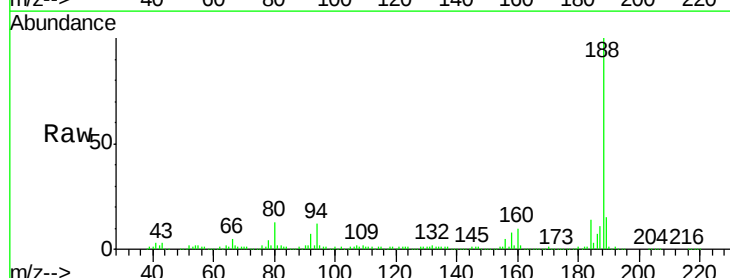
Delta R.T. -0.05 min

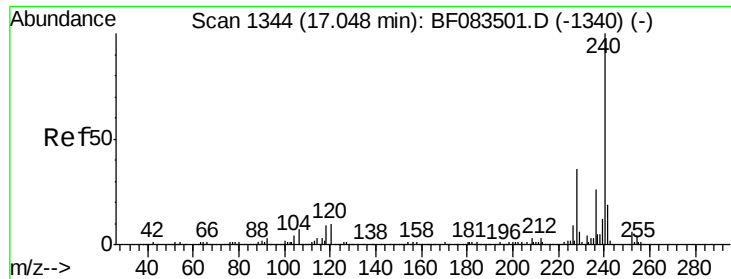
Lab File: BF083590.D

Acq: 8 Dec 2015 9:14

Tgt Ion:188 Resp: 389441

Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.2
80	13.2	10.6	16.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BF083590.D

Acq: 8 Dec 2015 9:14

Instrument :

BNA_F

ClientSampleId :

MW-05

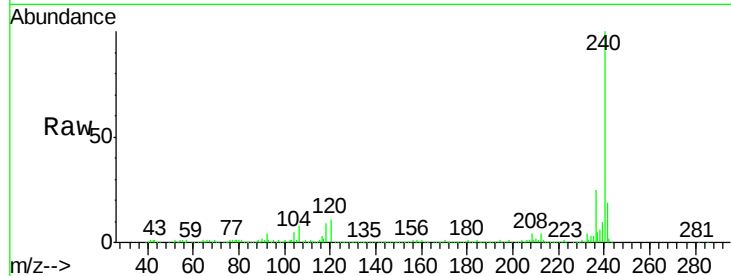
Tot Ion:240 Resp: 354837

Ion Ratio Lower Upper

240 100

120 10.5 8.1 12.1

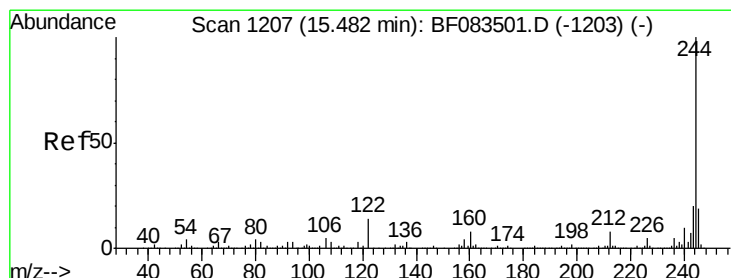
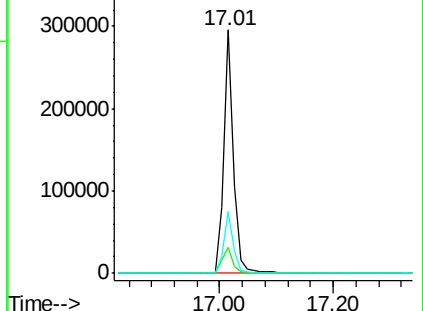
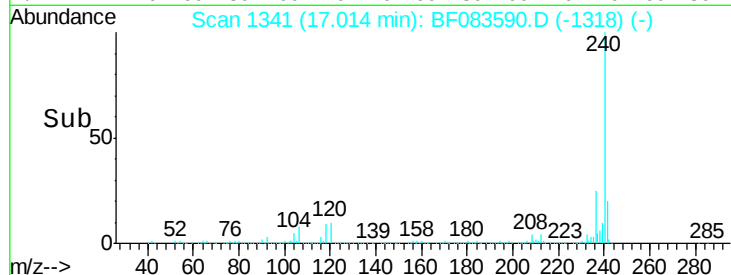
236 25.5 20.8 31.2



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: 75.06 ng

RT: 15.45 min Scan# 1204

Delta R.T. -0.03 min

Lab File: BF083590.D

Acq: 8 Dec 2015 9:14

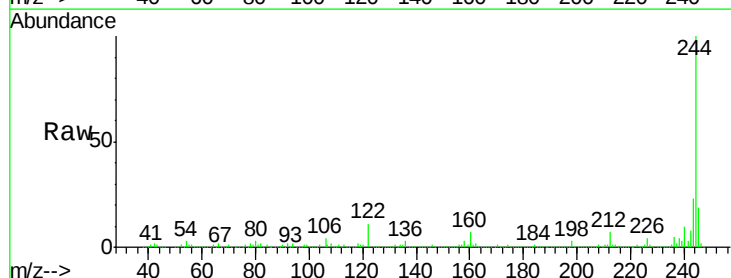
Tgt Ion:244 Resp: 1196944

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

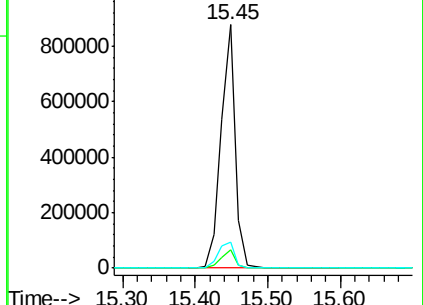
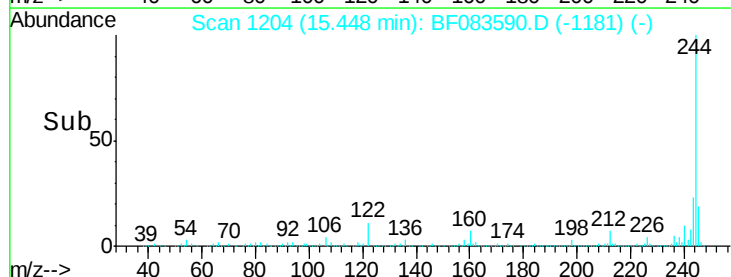
122 10.8 11.0 16.6#

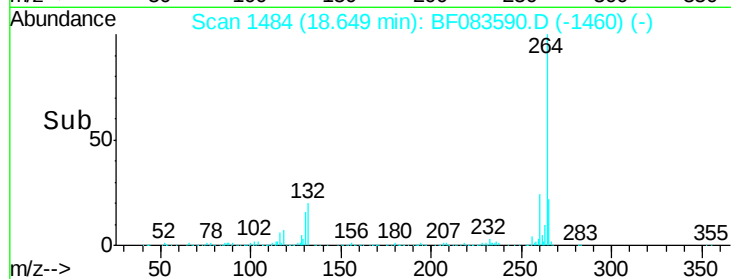
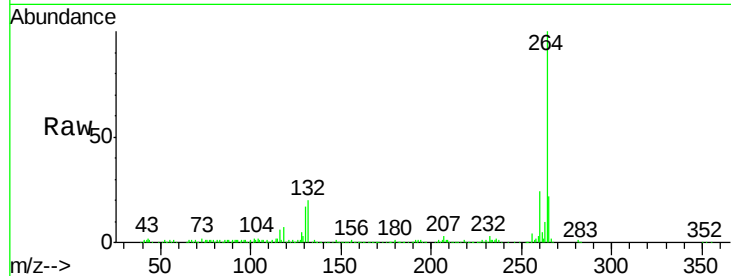
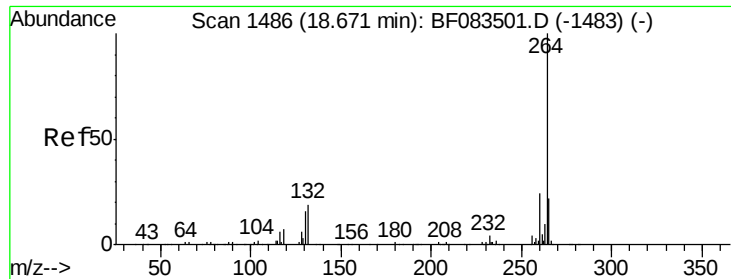


Abundance Ion 244.00 (243.70 to 244.70): E

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: 18.65 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BF083590.D
Acq: 8 Dec 2015 9:14

Instrument :
BNA_F
ClientSampleId :
MW-05

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	21.8	17.8	26.6

