

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052916\
 Data File : BF087555.D
 Acq On : 30 May 2016 17:38
 Operator : UM/SJ
 Sample : H3317-10
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

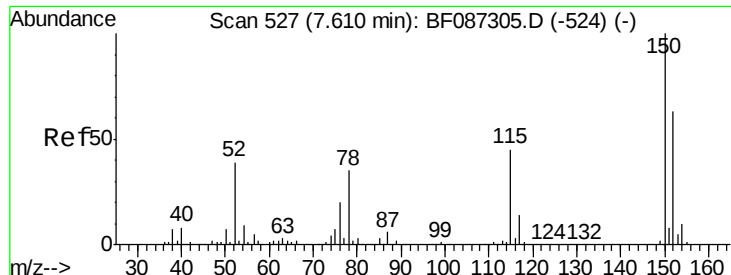
Instrument :
 BNA_F
 ClientSampleId :
 MW-34

Quant Time: May 31 00:41:20 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	101698	20.00	ng	-0.05
21) Naphthalene-d8	9.51	136	392991	20.00	ng	-0.05
38) Acenaphthene-d10	12.34	164	189016	20.00	ng	-0.05
63) Phenanthrene-d10	14.77	188	293816	20.00	ng	-0.01
75) Chrysene-d12	18.47	240	221126	20.00	ng	-0.01
86) Perylene-d12	20.15	264	205914	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	162075	28.00	ng	0.00
7) Phenol-d6	7.12	99	152693	19.52	ng	0.05
23) Nitrobenzene-d5	8.40	82	497776	63.84	ng	-0.05
41) 2,4,6-Tribromophenol	13.67	330	124473	68.53	ng	-0.01
44) 2-Fluorobiphenyl	11.29	172	756292	56.41	ng	-0.05
78) Terphenyl-d14	17.10	244	501832	48.25	ng	-0.03
Target Compounds						
18) Hexachloroethane	8.36	117	221283	73.39	ng	# 9
25) Isophorone	8.92	82	60143	4.30	ng	# 43
32) Benzoic acid	9.39	122	9158	8.50	ng	# 49
37) 2-Methylnaphthalene	10.67	142	131332	10.68	ng	# 91
47) 2-Nitroaniline	11.75	65	13339	3.04	ng	# 27
49) Dimethylphthalate	12.00	163	70861	4.68	ng	# 87
52) 3-Nitroaniline	12.38	138	19681	6.29	ng	# 18
53) 2,4-Dinitrophenol	12.56	184	346	6.75	ng	# 1
55) 4-Nitrophenol	12.71	139	28847	19.31	ng	# 21
56) 2,4-Dinitrotoluene	12.72	165	9676	2.37	ng	# 48
59) Diethylphthalate	13.17	149	31899	2.17	ng	# 50
62) Azobenzene	13.53	77	55069	3.61	ng	# 63
65) n-Nitrosodiphenylamine	13.54	169	22944	2.41	ng	# 54
69) Pentachlorophenol	14.55	266	243	6.39	ng	# 45

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

```
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Data File : BF087555.D  
Acq On    : 30 May 2016  17:38  
Operator  : UM/SJ  
Sample    : H3317-10  
Misc      :  
ALS Vial  : 75      Sample Multiplier: 1
```

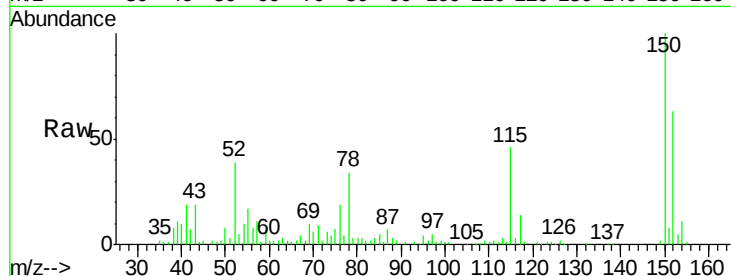


#1

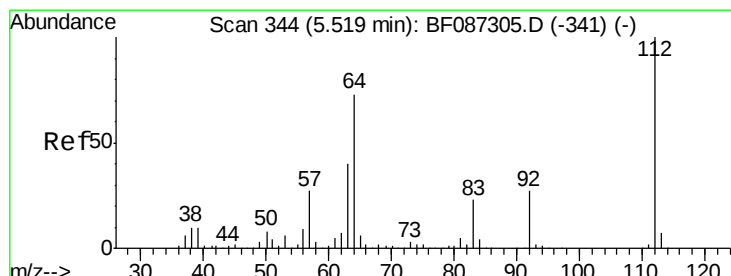
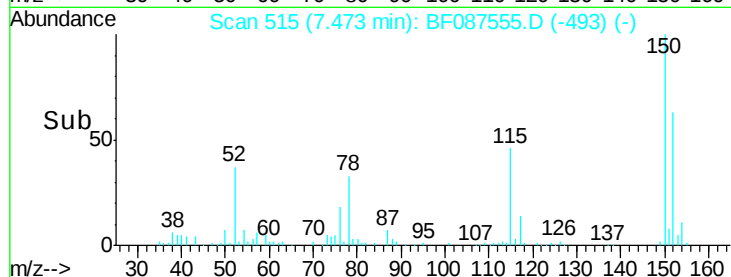
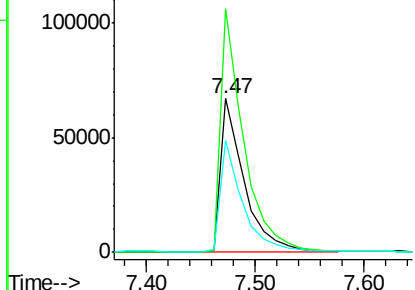
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.47 min Scan# 515
Delta R.T. -0.05 min
Lab File: BF087555.D
Acq: 30 May 2016 17:38

Instrument :
BNA_F
ClientSampleId :
MW-34

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.2	125.8	188.6
115	72.3	51.5	77.3



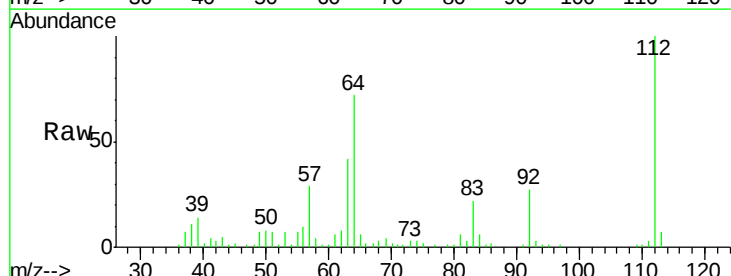
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



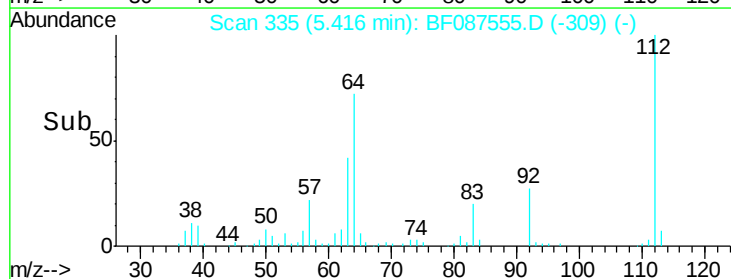
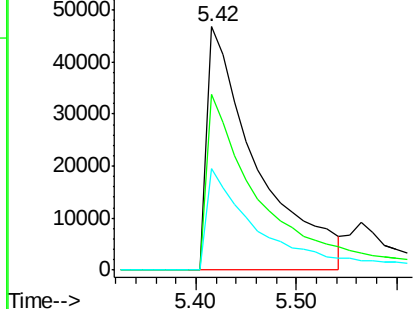
#5

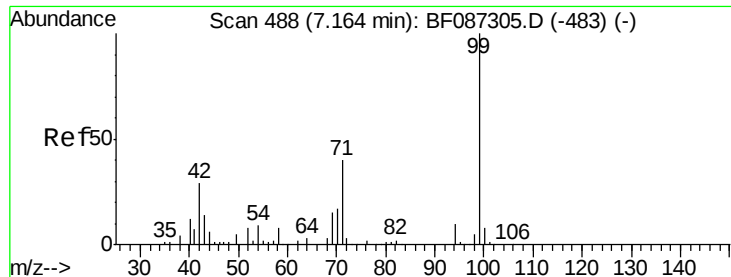
2-Fluorophenol
Concen: 28.00 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.00 min
Lab File: BF087555.D
Acq: 30 May 2016 17:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.3	52.1	78.1
63	41.8	25.7	38.5



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: 19.52 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.05 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

Instrument :

BNA_F

ClientSampled :

MW-34

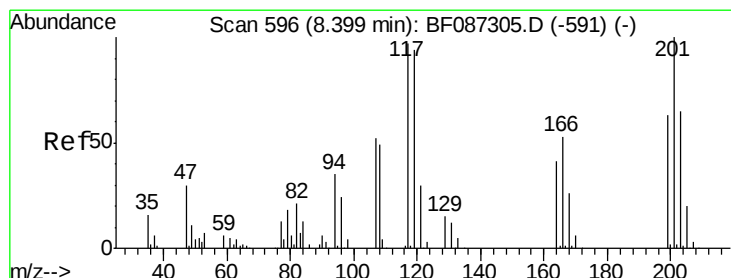
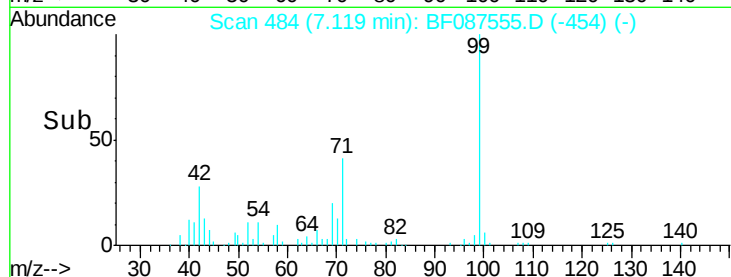
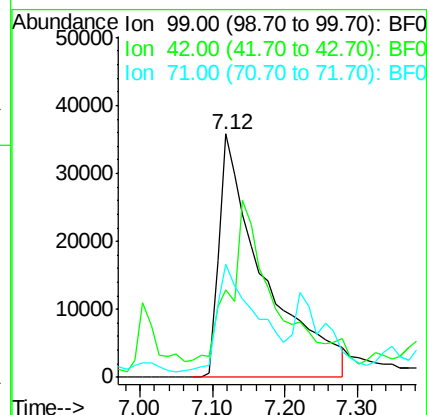
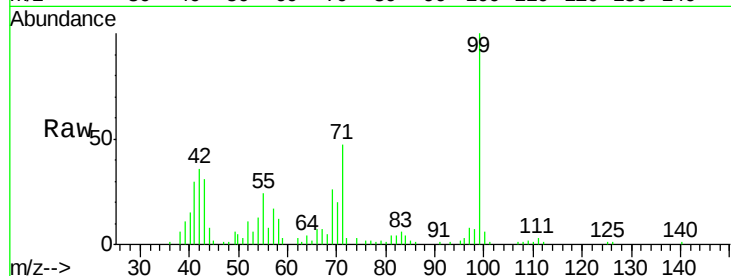
Tgt Ion: 99 Resp: 152693

Ion Ratio Lower Upper

99 100

42 36.0 13.6 20.4#

71 46.7 24.6 36.8#



#18

Hexachloroethane

Concen: 73.39 ng

RT: 8.36 min Scan# 593

Delta R.T. 0.07 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

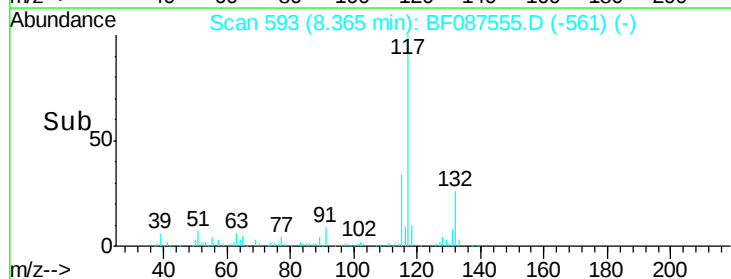
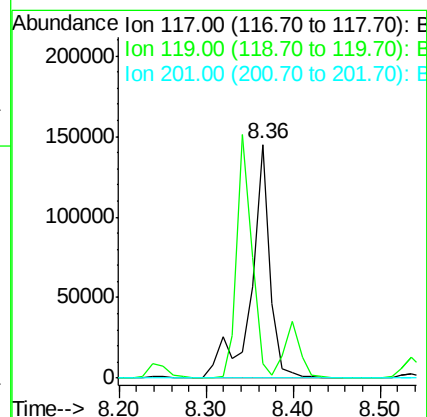
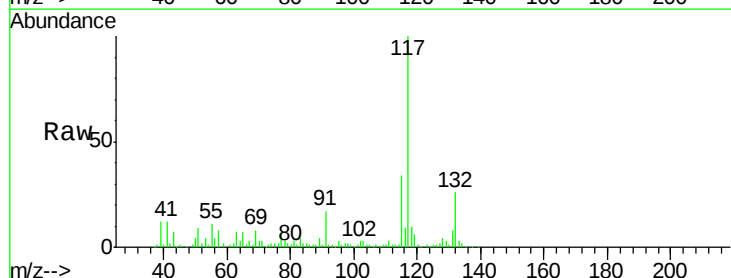
Tgt Ion: 117 Resp: 221283

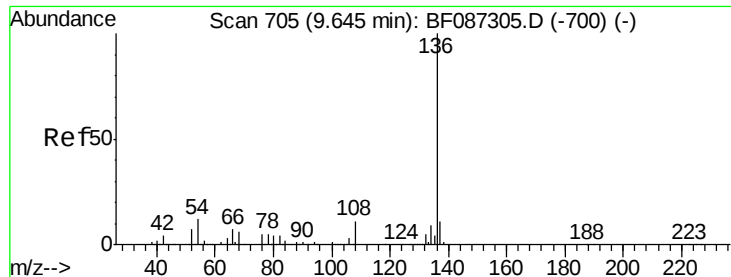
Ion Ratio Lower Upper

117 100

119 6.3 76.5 114.7#

201 0.0 63.0 94.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.05 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

Instrument :

BNA_F

ClientSampleId :

MW-34

Tgt Ion:136 Resp: 392991

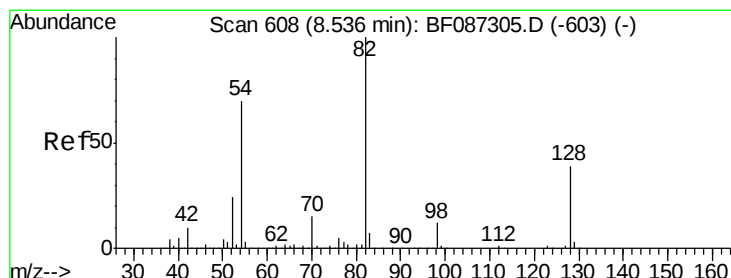
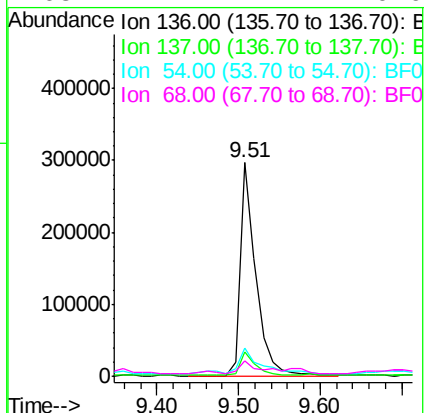
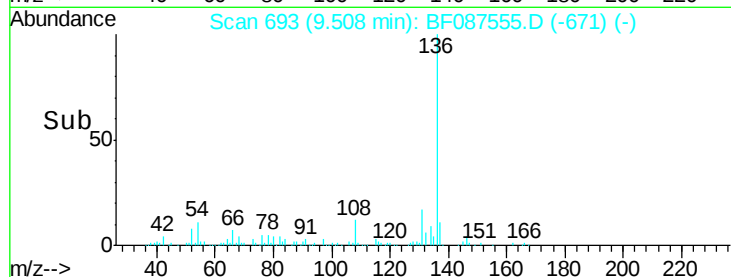
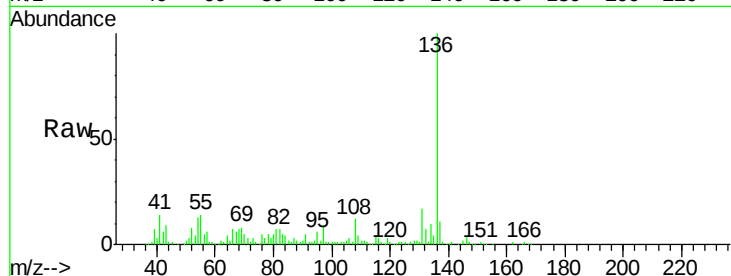
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 13.1 5.0 7.4#

68 7.1 4.4 6.6#



#23

Nitrobenzene-d5

Concen: 63.84 ng

RT: 8.40 min Scan# 596

Delta R.T. -0.05 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

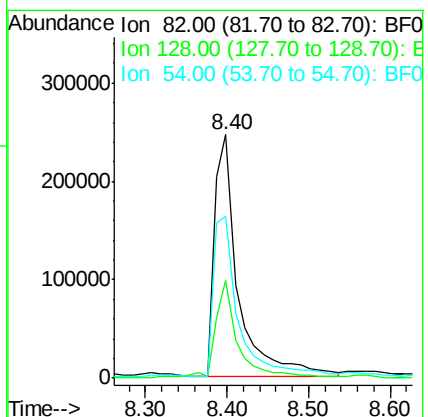
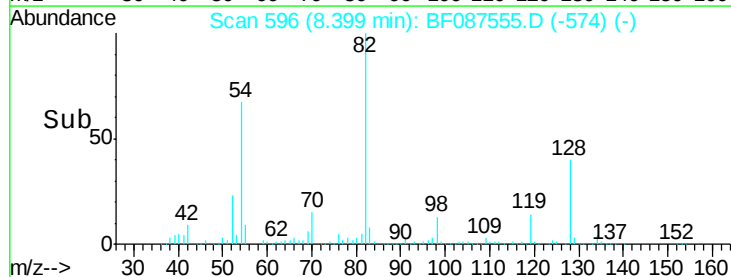
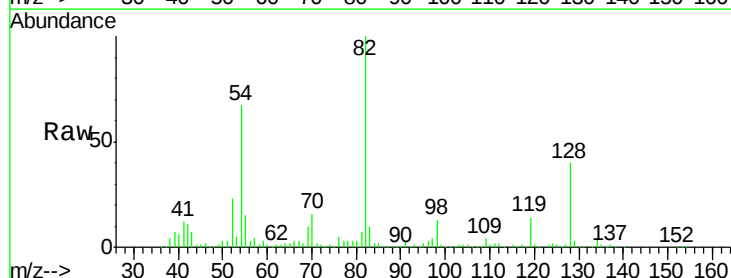
Tgt Ion: 82 Resp: 497776

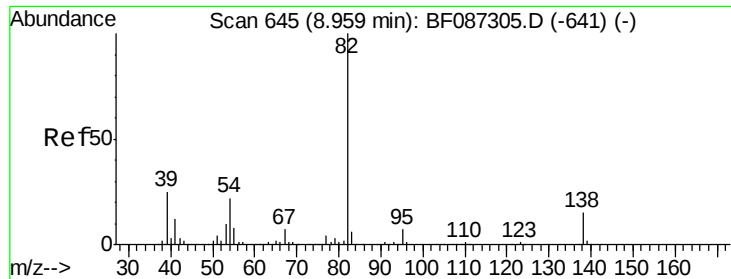
Ion Ratio Lower Upper

82 100

128 40.1 40.6 61.0#

54 66.5 38.1 57.1#





#25

Isophorone

Concen: 4.30 ng

RT: 8.92 min Scan# 642

Delta R.T. 0.05 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

Instrument :

BNA_F

ClientSampleId :

MW-34

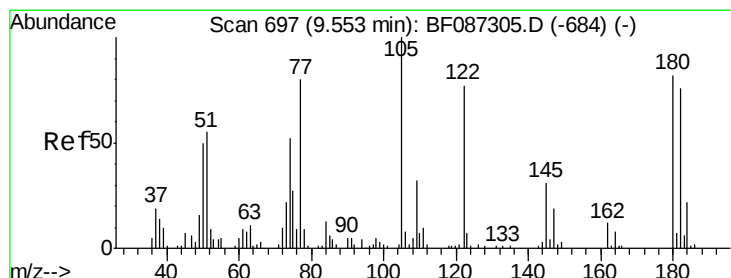
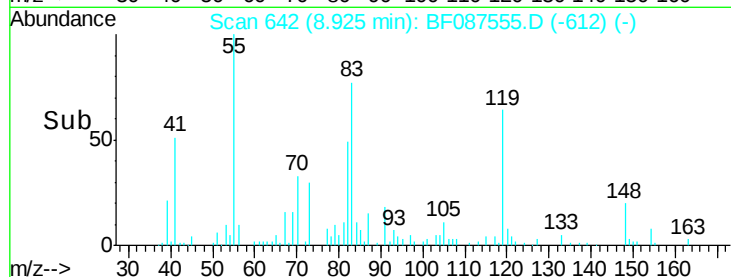
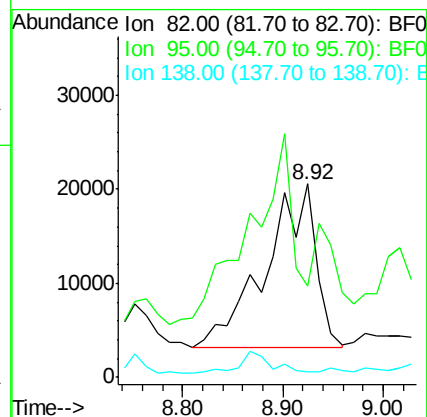
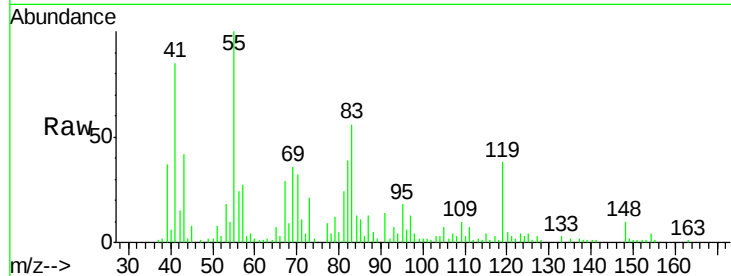
Tgt Ion: 82 Resp: 60143

Ion Ratio Lower Upper

82 100

95 47.6 5.1 7.7#

138 2.9 12.4 18.6#



#32

Benzoic acid

Concen: 8.50 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

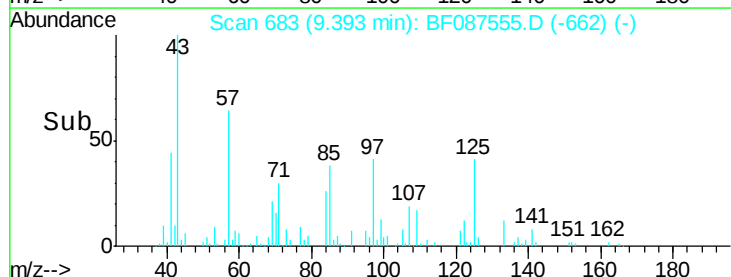
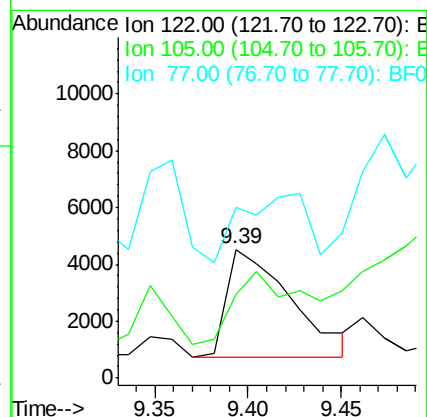
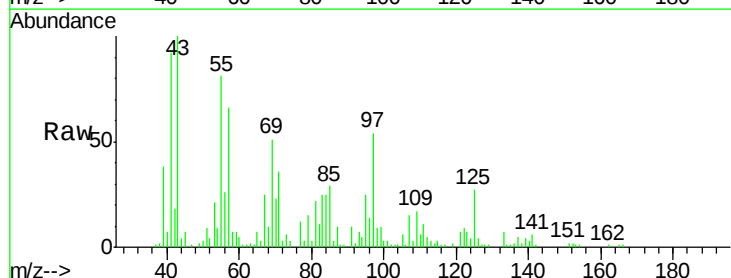
Tgt Ion: 122 Resp: 9158

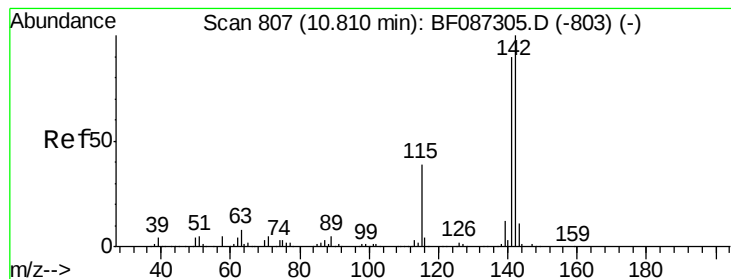
Ion Ratio Lower Upper

122 100

105 65.2 92.6 132.6#

77 132.3 60.0 100.0#





#37

2-Methylnaphthalene

Concen: 10.68 ng

RT: 10.67 min Scan# 795

Delta R.T. -0.05 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

Instrument :

BNA_F

ClientSampleId :

MW-34

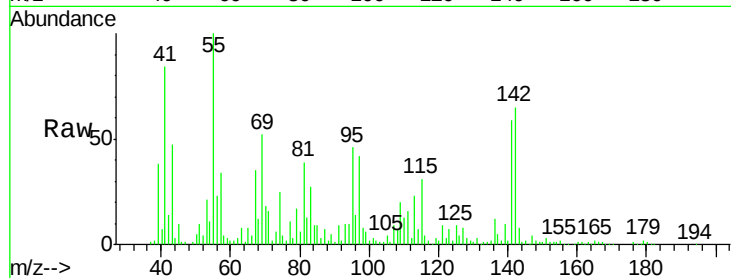
Tgt Ion:142 Resp: 131332

Ion Ratio Lower Upper

142 100

141 90.6 71.0 106.6

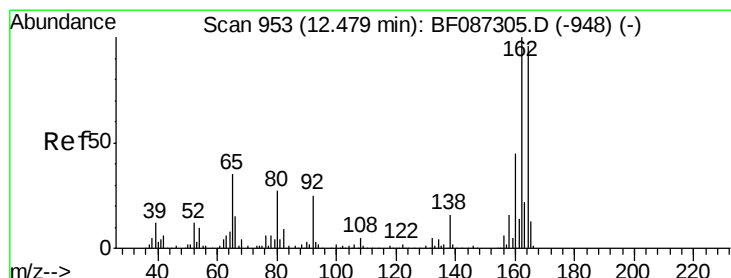
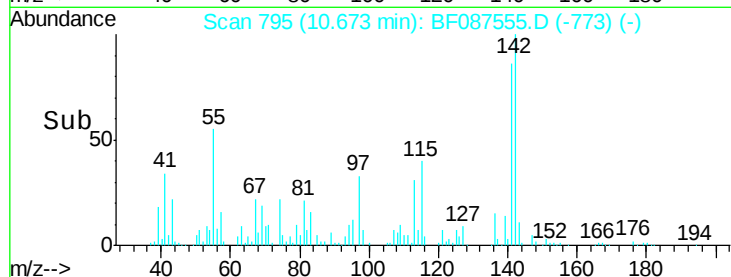
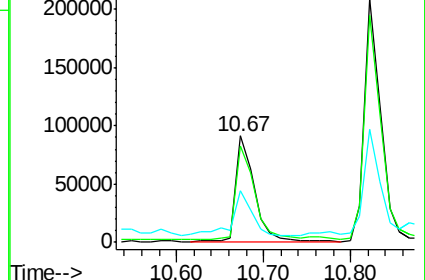
115 48.3 26.6 39.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.05 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

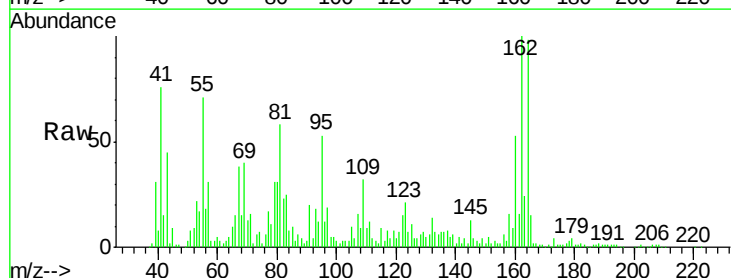
Tgt Ion:164 Resp: 189016

Ion Ratio Lower Upper

164 100

162 101.8 82.8 124.2

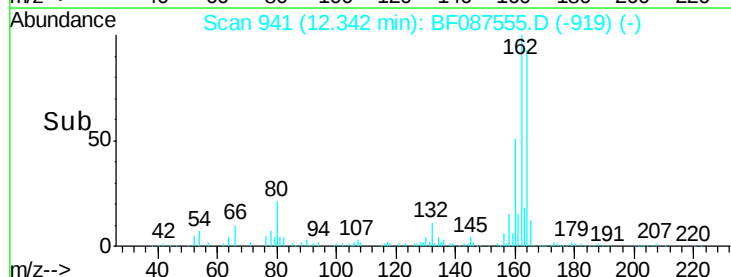
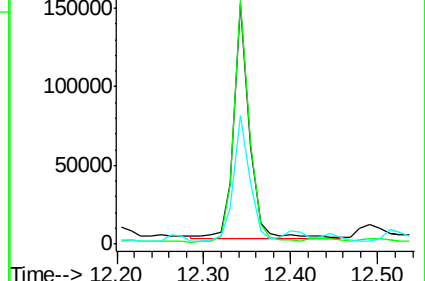
160 53.9 36.9 55.3

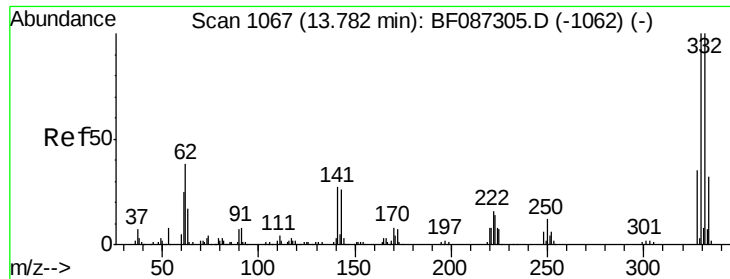


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

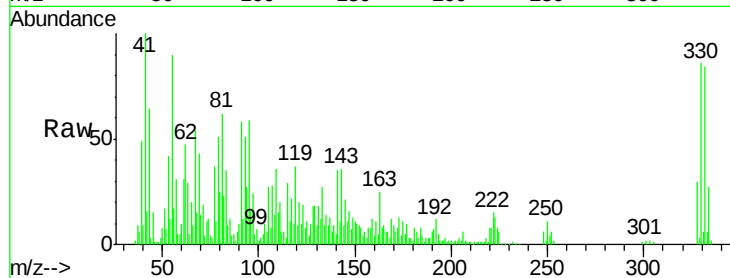




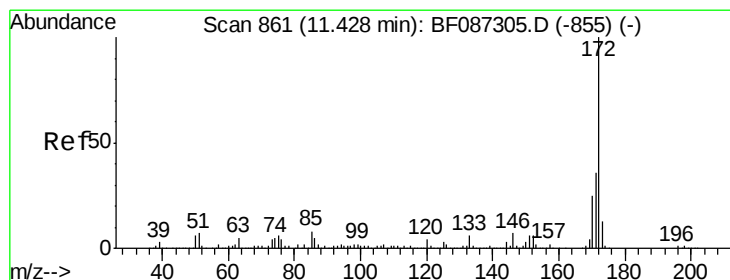
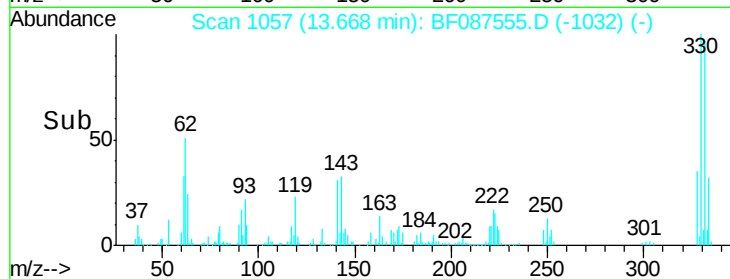
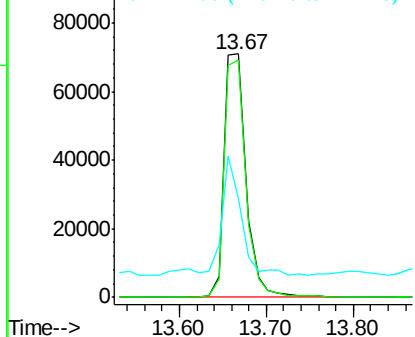
#41
 2,4,6-Tribromophenol
 Concen: 68.53 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BF087555.D
 Acq: 30 May 2016 17:38

Instrument :
 BNA_F
 ClientSampleId :
 MW-34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	79.0	118.4
141	45.2	31.2	46.8

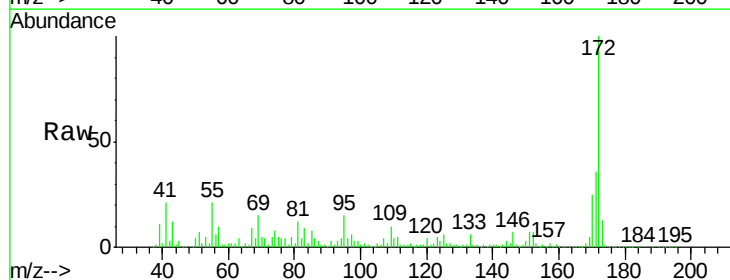


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

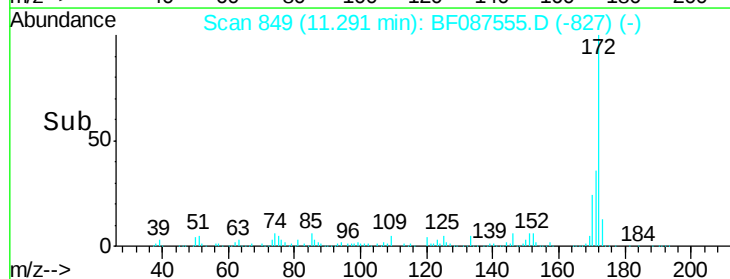
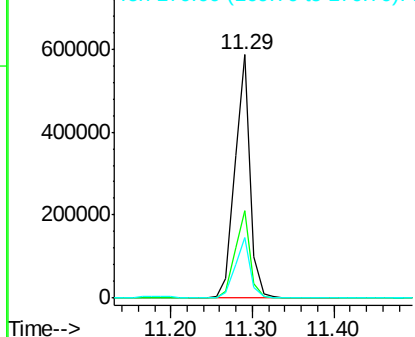


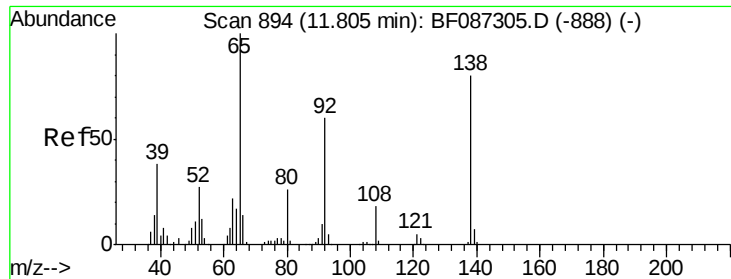
#44
 2-Fluorobiphenyl
 Concen: 56.41 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.05 min
 Lab File: BF087555.D
 Acq: 30 May 2016 17:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.6
170	24.6	19.8	29.8



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





#47

2-Nitroaniline

Concen: 3.04 ng

RT: 11.75 min Scan# 889

Delta R.T. 0.03 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

Instrument :

BNA_F

ClientSampled :

MW-34

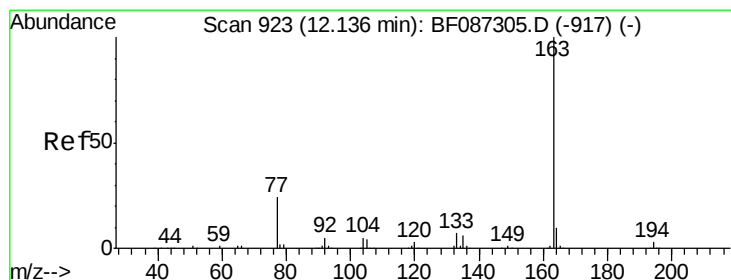
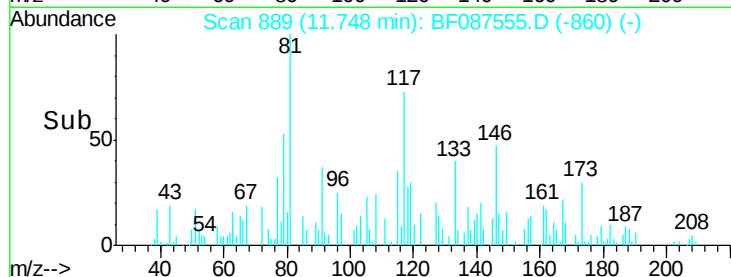
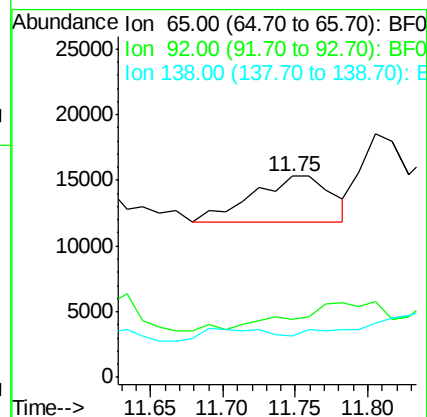
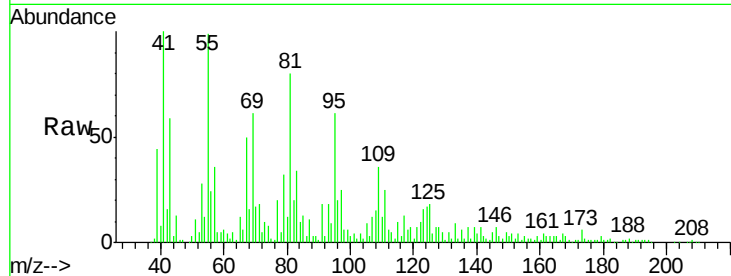
Tgt Ion: 65 Resp: 13339

Ion Ratio Lower Upper

65 100

92 28.6 57.4 86.2#

138 20.5 90.1 135.1#



#49

Dimethylphthalate

Concen: 4.68 ng

RT: 12.00 min Scan# 911

Delta R.T. -0.05 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

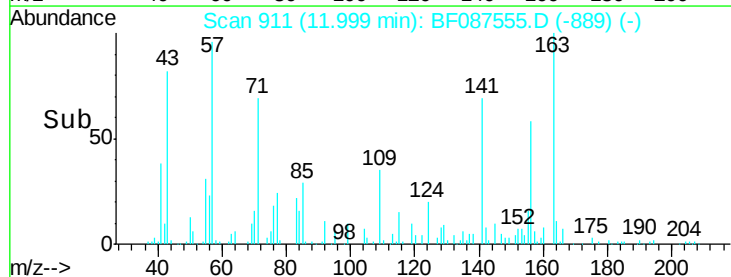
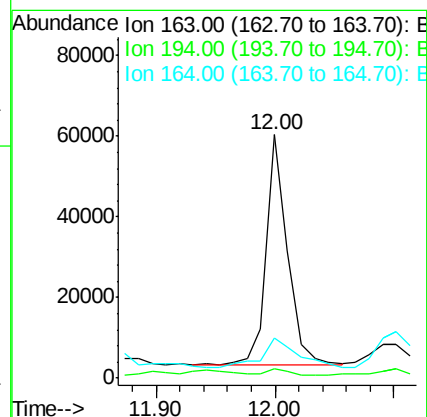
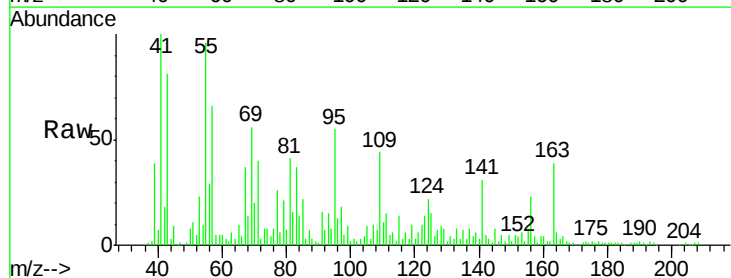
Tgt Ion:163 Resp: 70861

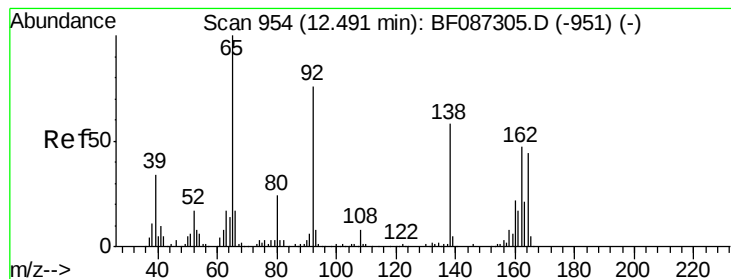
Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

164 16.4 8.2 12.4#





#52

3-Nitroaniline

Concen: 6.29 ng

RT: 12.38 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

Instrument :

BNA_F

ClientSampleId :

MW-34

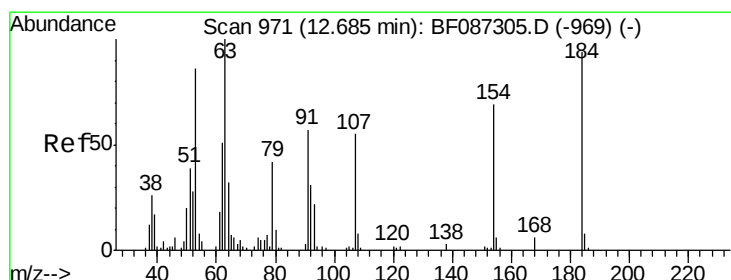
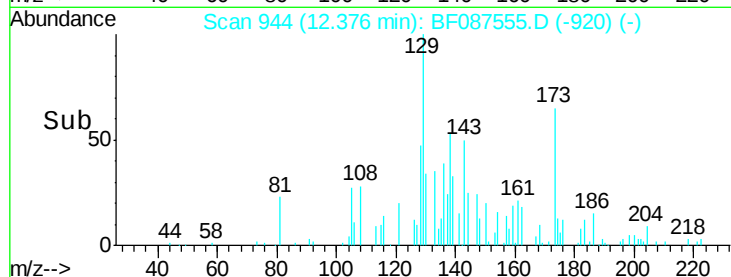
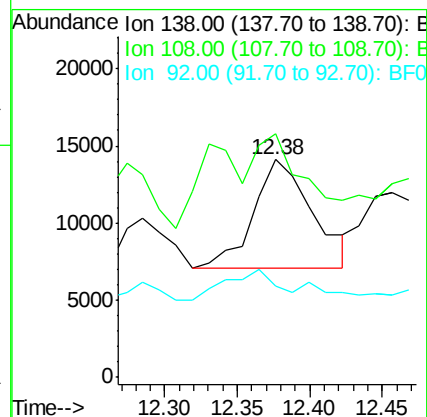
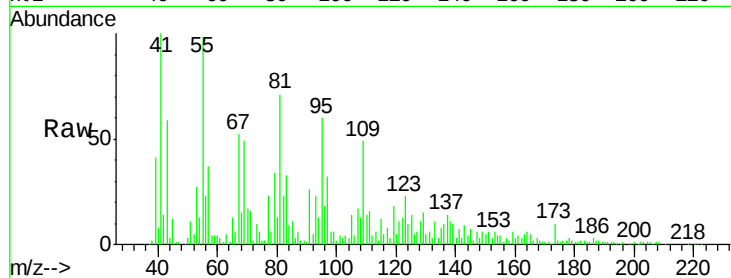
Tgt Ion:138 Resp: 19681

Ion Ratio Lower Upper

138 100

108 112.0 7.8 11.6#

92 41.8 87.8 131.8#



#53

2,4-Dinitrophenol

Concen: 6.75 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.03 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

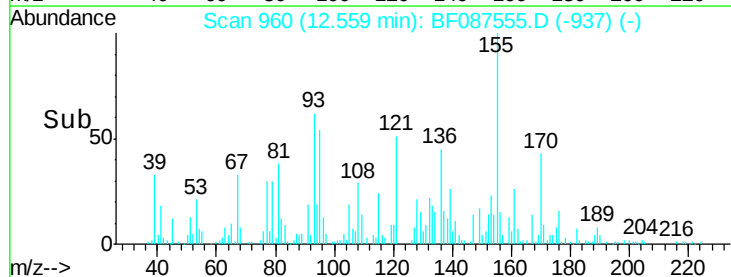
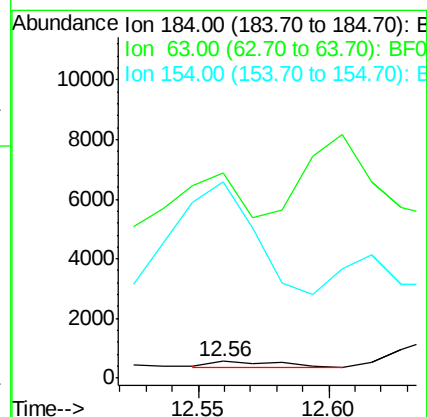
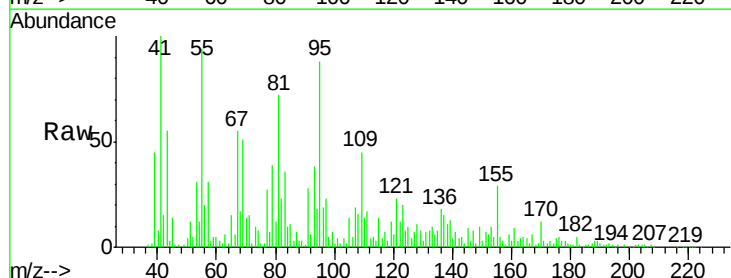
Tgt Ion:184 Resp: 346

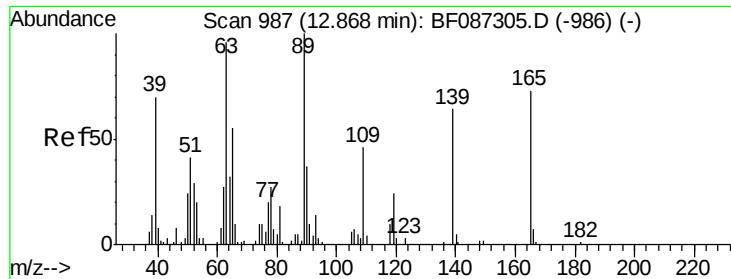
Ion Ratio Lower Upper

184 100

63 1209.9 55.8 83.8#

154 1155.1 62.4 93.6#

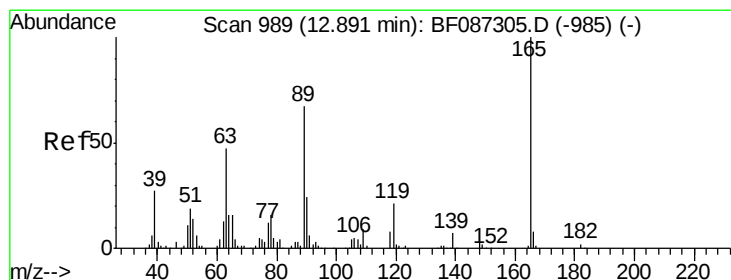
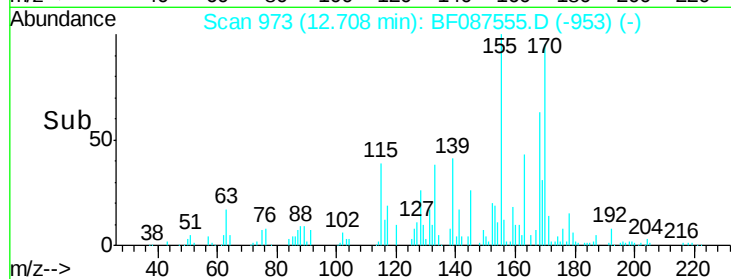
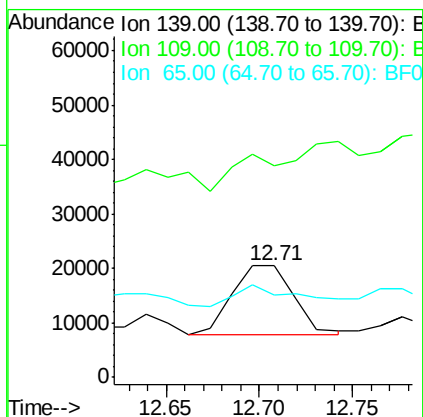
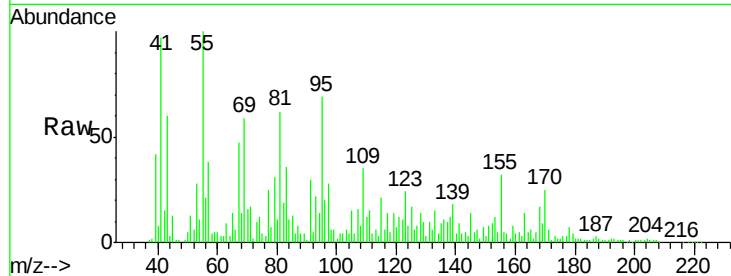




#55
4-Nitrophenol
Concen: 19.31 ng
RT: 12.71 min Scan# 973
Delta R.T. -0.07 min
Lab File: BF087555.D
Acq: 30 May 2016 17:38

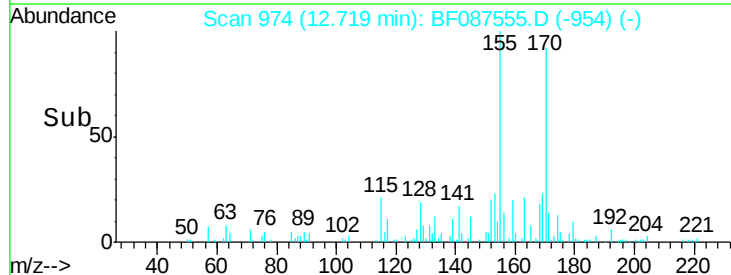
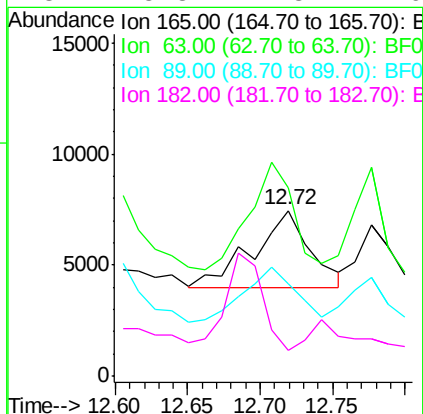
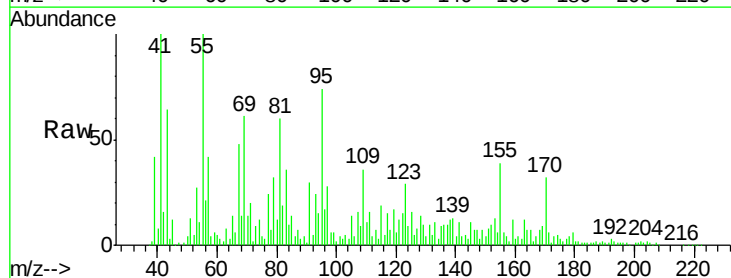
Instrument :
BNA_F
ClientSampleId :
MW-34

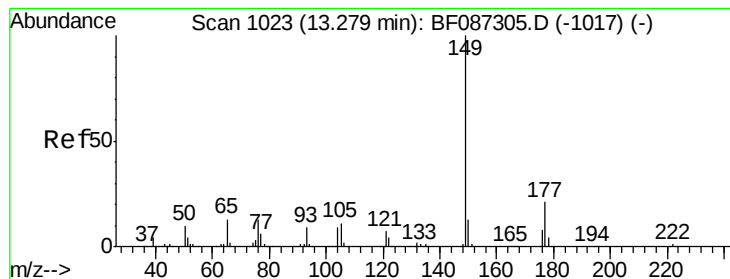
Tgt Ion:139 Resp: 28847
Ion Ratio Lower Upper
139 100
109 189.5 36.9 76.9#
65 74.3 64.0 104.0



#56
2,4-Dinitrotoluene
Concen: 2.37 ng
RT: 12.72 min Scan# 974
Delta R.T. -0.07 min
Lab File: BF087555.D
Acq: 30 May 2016 17:38

Tgt Ion:165 Resp: 9676
Ion Ratio Lower Upper
165 100
63 113.7 44.3 66.5#
89 55.7 70.0 105.0#
182 15.8 1.8 2.6#





#59

Diethylphthalate

Concen: 2.17 ng

RT: 13.17 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

Instrument :

BNA_F

ClientSampleId :

MW-34

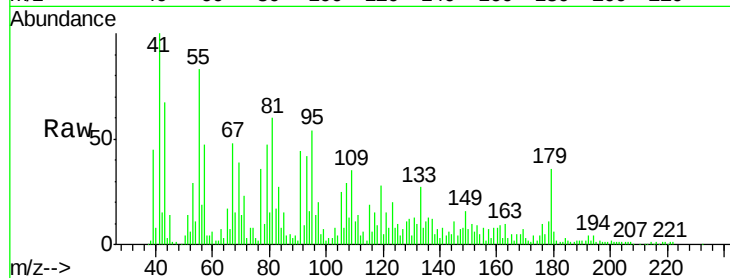
Tgt Ion: 149 Resp: 31899

Ion Ratio Lower Upper

149 100

177 33.0 16.6 24.8#

150 47.6 10.0 15.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

120000

100000

80000

60000

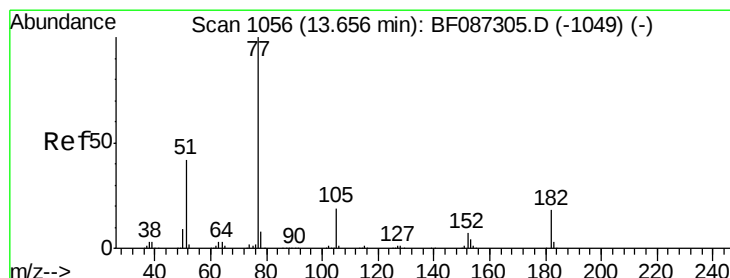
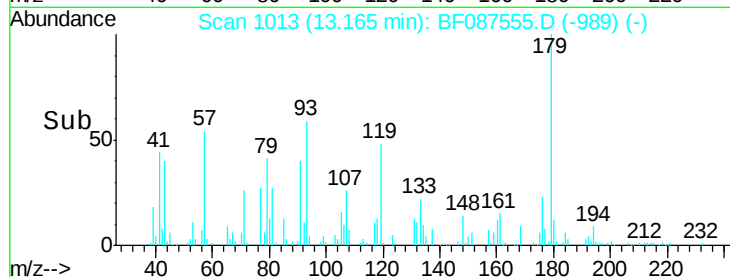
40000

20000

0

13.10 13.15 13.20

Time-->



#62

Azobenzene

Concen: 3.61 ng

RT: 13.53 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF087555.D

Acq: 30 May 2016 17:38

Tgt Ion: 77 Resp: 55069

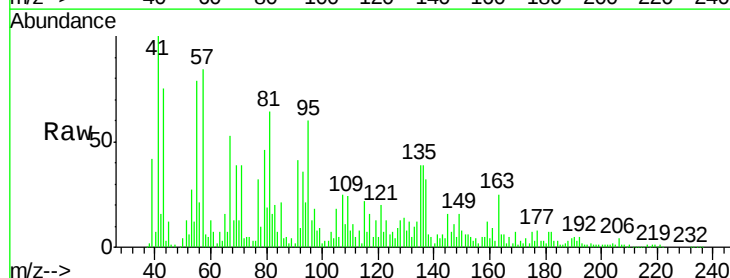
Ion Ratio Lower Upper

77 100

182 23.4 0.0 38.8

105 58.2 3.2 43.2#

51 42.2 8.8 48.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

60000

50000

40000

30000

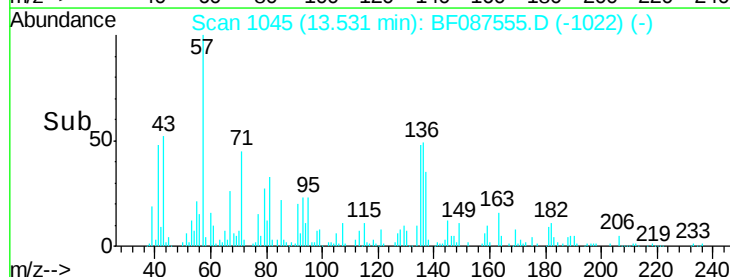
20000

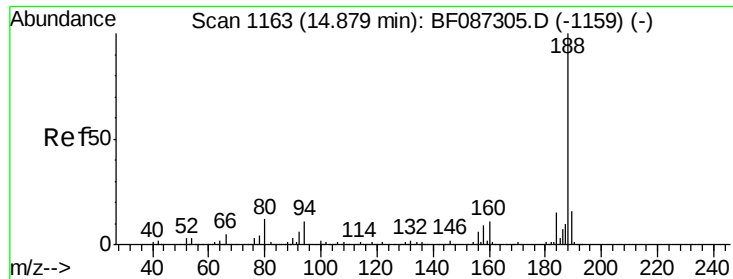
10000

0

13.45 13.50 13.55 13.60

Time-->

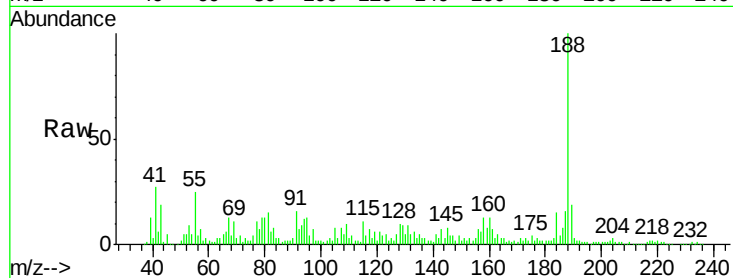




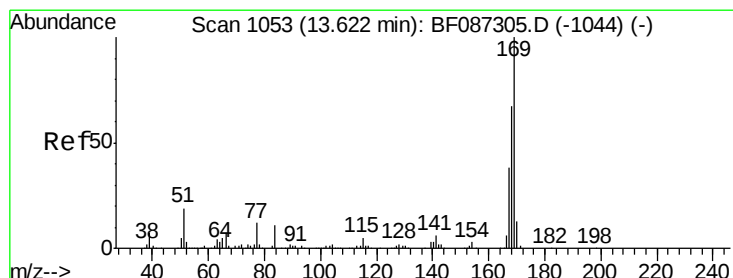
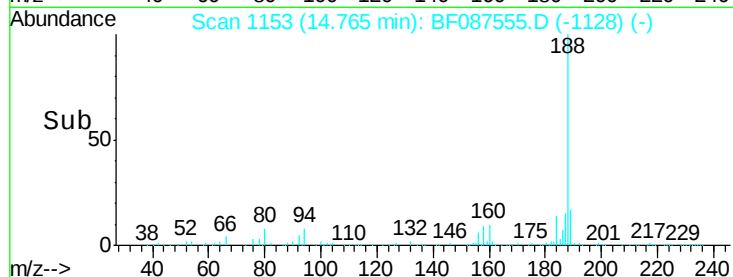
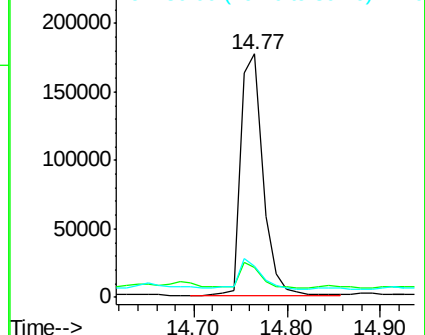
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF087555.D
Acq: 30 May 2016 17:38

Instrument :
BNA_F
ClientSampleId :
MW-34

Tgt Ion:188 Resp: 293816
Ion Ratio Lower Upper
188 100
94 12.2 6.8 10.2#
80 12.7 7.1 10.7#

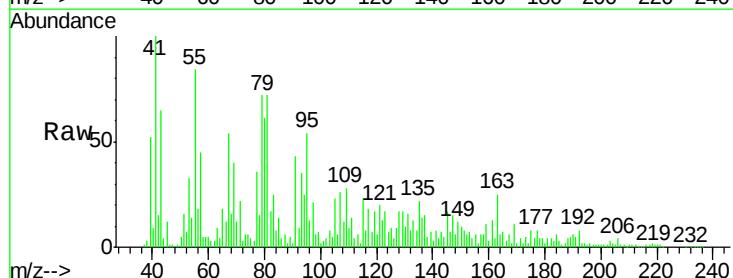


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

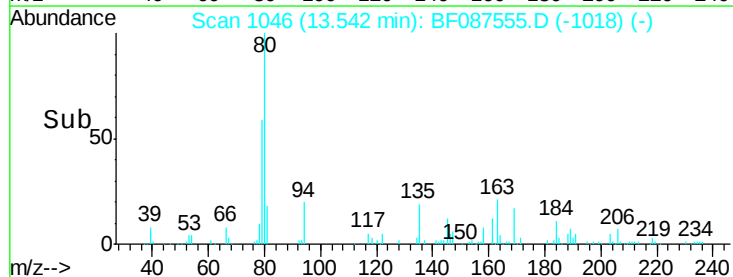
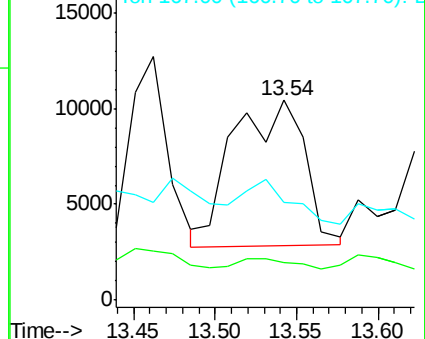


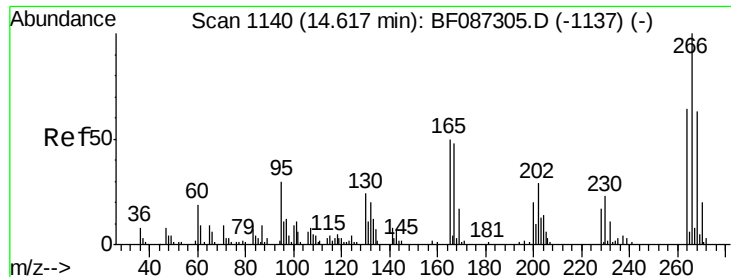
#65
n-Nitrosodiphenylamine
Concen: 2.41 ng
RT: 13.54 min Scan# 1046
Delta R.T. 0.02 min
Lab File: BF087555.D
Acq: 30 May 2016 17:38

Tgt Ion:169 Resp: 22944
Ion Ratio Lower Upper
169 100
168 18.9 53.8 80.6#
167 49.2 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

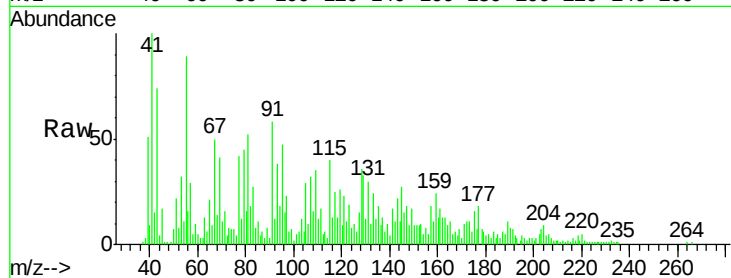




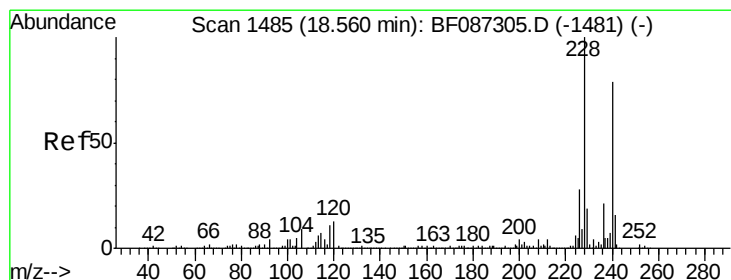
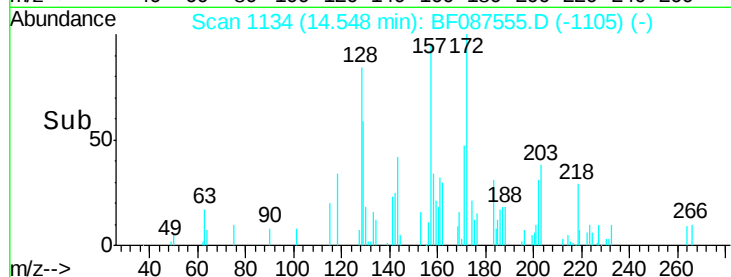
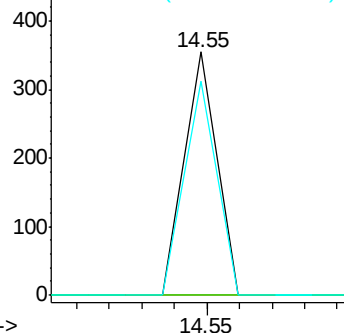
#69
 Pentachlorophenol
 Concen: 6.39 ng
 RT: 14.55 min Scan# 1134
 Delta R.T. 0.03 min
 Lab File: BF087555.D
 Acq: 30 May 2016 17:38

Instrument :
 BNA_F
 ClientSampleId :
 MW-34

Tgt Ion: 266 Resp: 243
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.5 77.3#
 264 88.2 52.9 79.3#

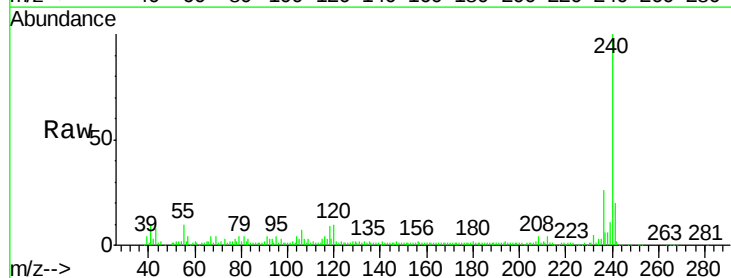


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

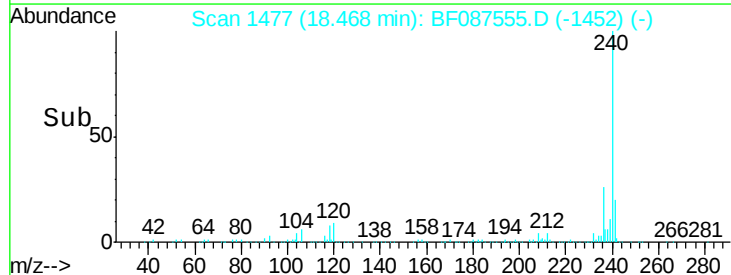
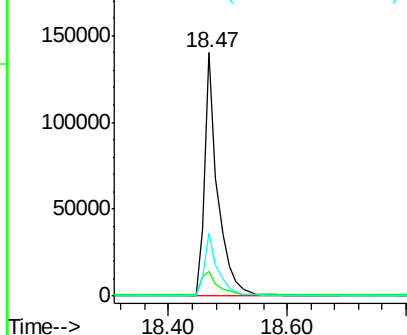


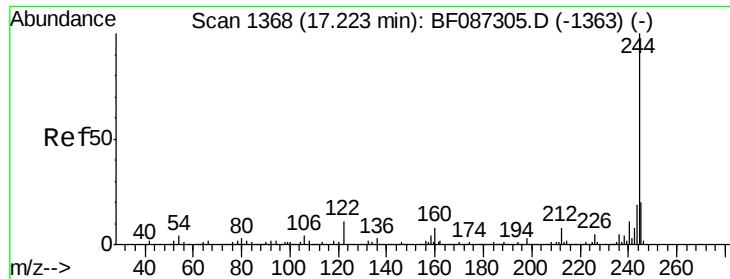
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.47 min Scan# 1477
 Delta R.T. -0.01 min
 Lab File: BF087555.D
 Acq: 30 May 2016 17:38

Tgt Ion: 240 Resp: 221126
 Ion Ratio Lower Upper
 240 100
 120 10.0 11.2 16.8#
 236 25.7 21.2 31.8



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

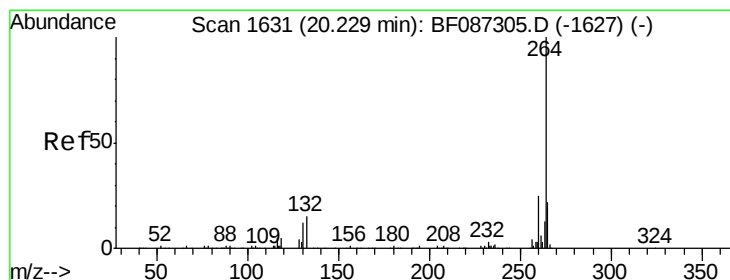
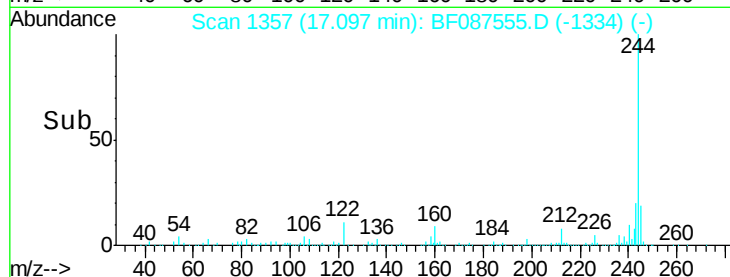
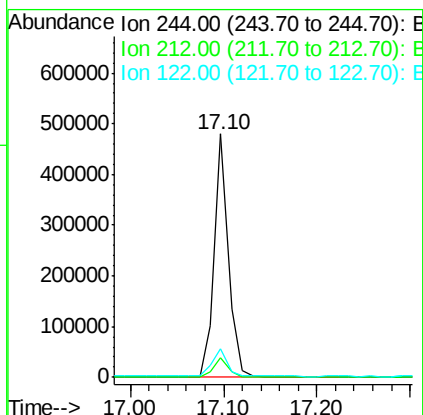
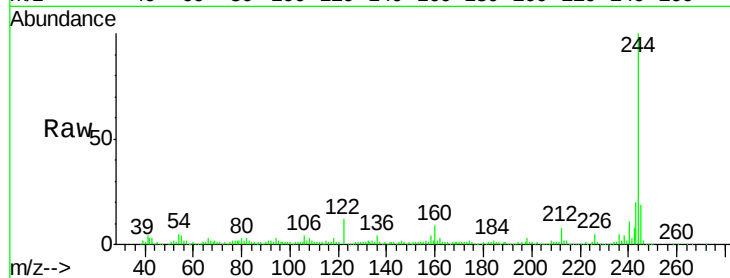




#78
 Terphenyl-d14
 Concen: 48.25 ng
 RT: 17.10 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: BF087555.D
 Acq: 30 May 2016 17:38

Instrument :
 BNA_F
 ClientSampleId :
 MW-34

Tgt Ion:244 Resp: 501832
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 11.7 12.0 18.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.15 min Scan# 1624
 Delta R.T. 0.01 min
 Lab File: BF087555.D
 Acq: 30 May 2016 17:38

Tgt Ion:264 Resp: 205914
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 22.0 17.3 25.9

