

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050216\
 Data File : BF086615.D
 Acq On : 2 May 2016 14:06
 Operator : UM/SJ
 Sample : H2716-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-4(0-12FTBGS)

Quant Time: May 03 01:15:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	156921	20.00	ng	-0.05
21) Naphthalene-d8	8.04	136	690228	20.00	ng	-0.06
38) Acenaphthene-d10	9.79	164	228008	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	604215	20.00	ng	-0.06
75) Chrysene-d12	13.89	240	303639	20.00	ng	-0.07
86) Perylene-d12	15.29	264	5274	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	1235662	135.82	ng	-0.02
7) Phenol-d6	6.41	99	1361504	107.23	ng	-0.03
23) Nitrobenzene-d5	7.32	82	1039169	81.15	ng	-0.06
41) 2,4,6-Tribromophenol	10.58	330	459021	190.90	ng	-0.06
44) 2-Fluorobiphenyl	9.12	172	1800257	165.75	ng	-0.06
78) Terphenyl-d14	12.87	244	1888187	137.00	ng	-0.05

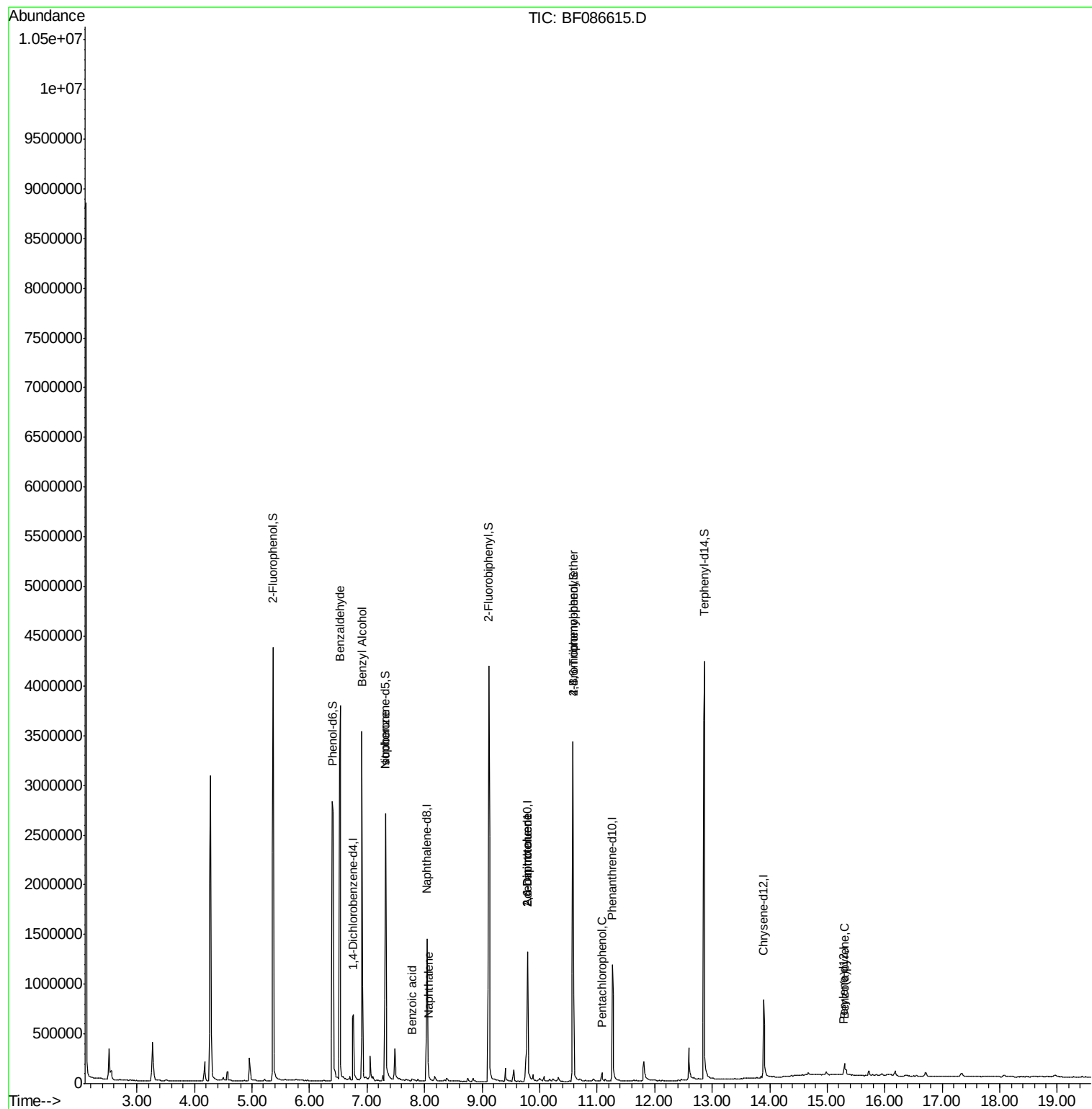
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	33921	4.59	ng	87
15) Benzyl Alcohol	6.91	79	18499	2.30	ng	# 41
25) Isophorone	7.32	82	815219	33.08	ng	# 68
31) Naphthalene	8.06	128	85355	2.43	ng	98
32) Benzoic acid	7.78	122	4419	9.34	ng	# 61
50) 2,6-Dinitrotoluene	9.79	165	28430	8.02	ng	# 23
56) 2,4-Dinitrotoluene	9.79	165	28426	6.29	ng	# 19
66) 4-Bromophenyl-phenylether	10.58	248	27124	4.36	ng	# 1
69) Pentachlorophenol	11.08	266	15437	4.06	ng	96
89) Benzo(a)pyrene	15.30	252	1825	6.23	ng	# 1

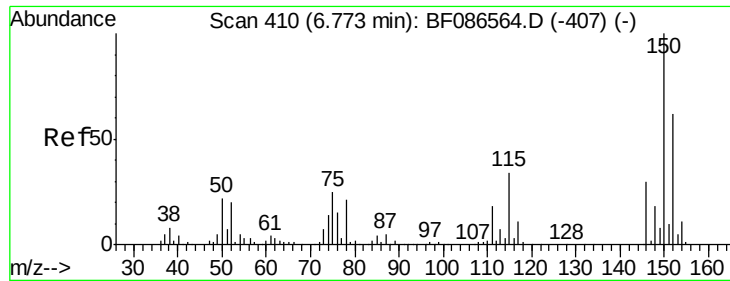
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 27 14:20:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.05 min

Lab File: BF086615.D

Acq: 2 May 2016 14:06

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-4(0-12FTBGS)

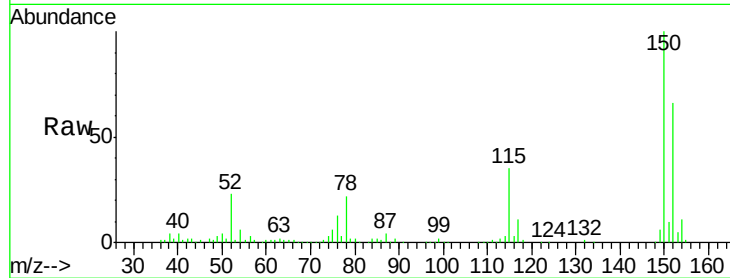
Tgt Ion:152 Resp: 156921

Ion Ratio Lower Upper

152 100

150 152.3 125.8 188.6

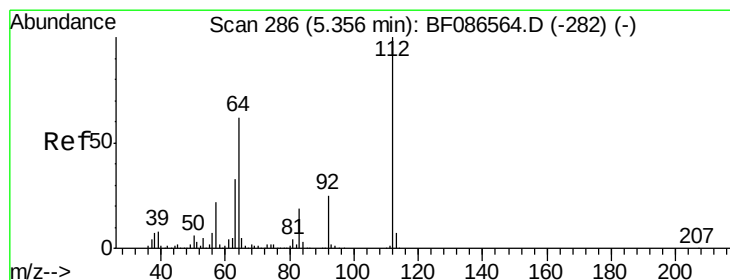
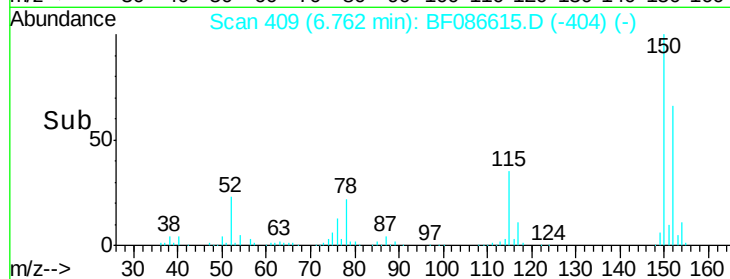
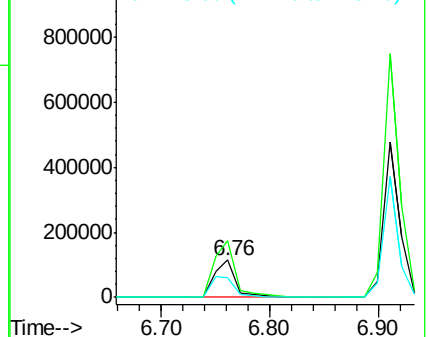
115 53.8 51.5 77.3



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: 135.82 ng

RT: 5.37 min Scan# 287

Delta R.T. -0.02 min

Lab File: BF086615.D

Acq: 2 May 2016 14:06

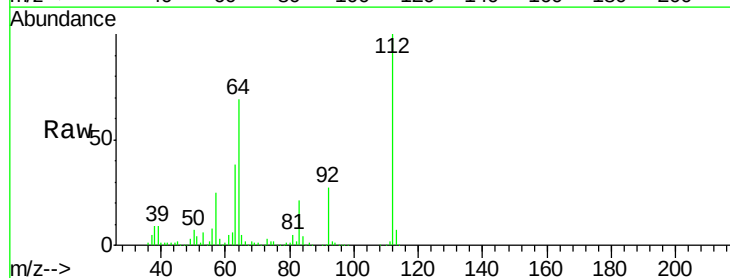
Tgt Ion:112 Resp: 1235662

Ion Ratio Lower Upper

112 100

64 69.1 52.1 78.1

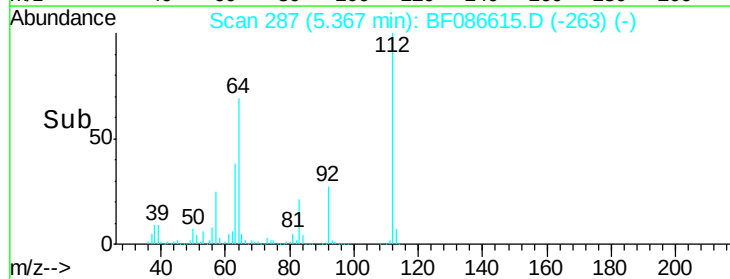
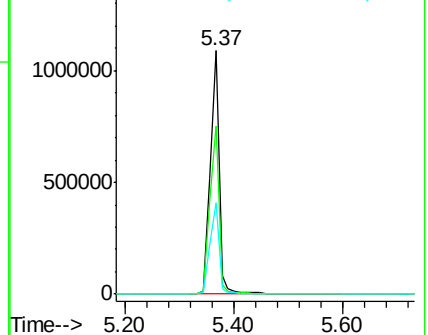
63 37.5 25.7 38.5

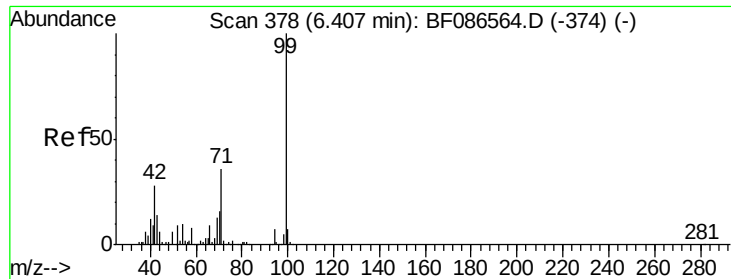


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.23 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086615.D

Acq: 2 May 2016 14:06

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-4(0-12FTBGS)

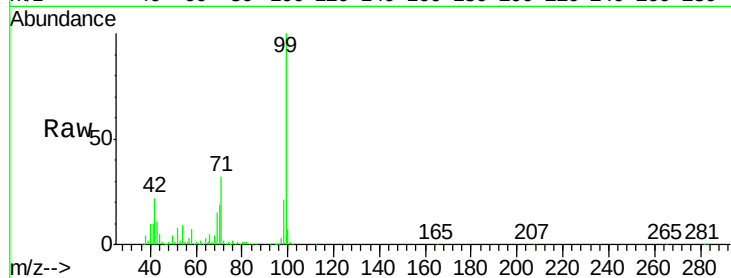
Tgt Ion: 99 Resp: 1361504

Ion Ratio Lower Upper

99 100

42 22.5 13.6 20.4#

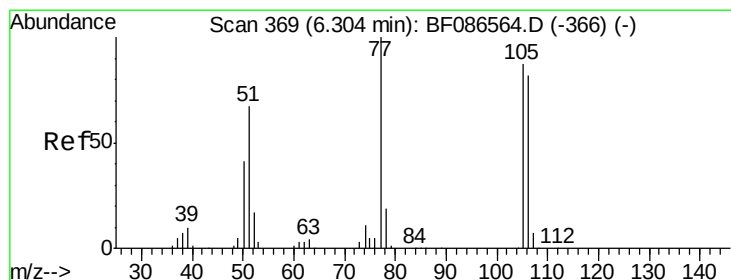
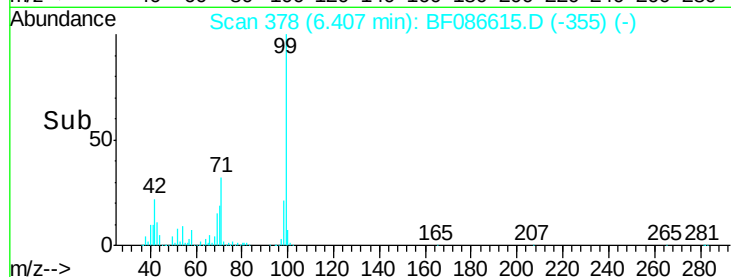
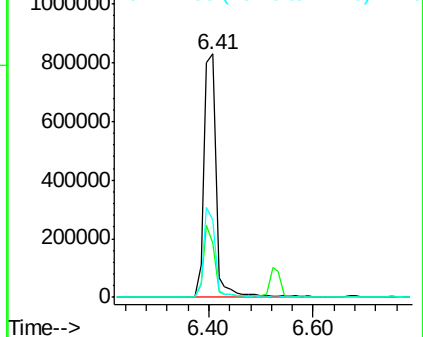
71 31.7 24.6 36.8



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



#9

Benzaldehyde

Concen: 4.59 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.18 min

Lab File: BF086615.D

Acq: 2 May 2016 14:06

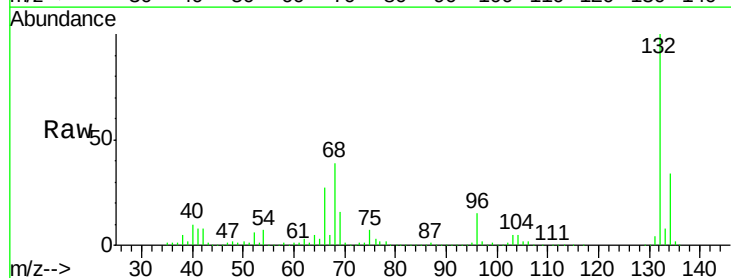
Tgt Ion: 77 Resp: 33921

Ion Ratio Lower Upper

77 100

105 85.9 72.7 112.7

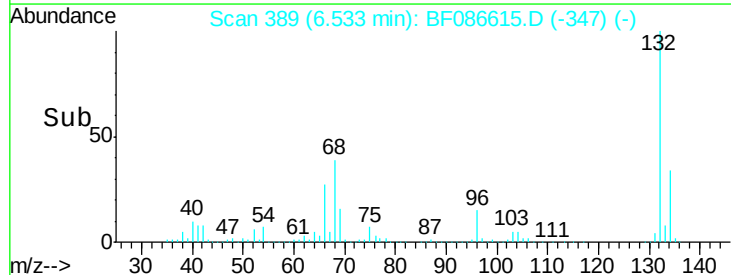
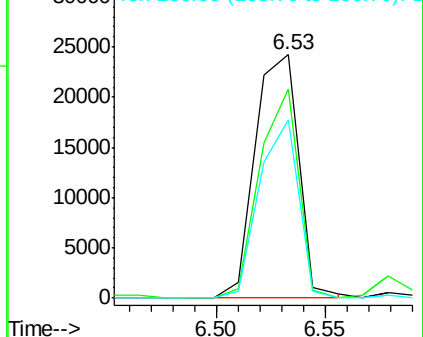
106 73.0 70.8 110.8

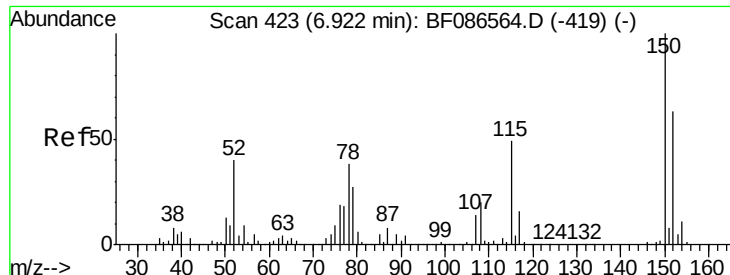


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

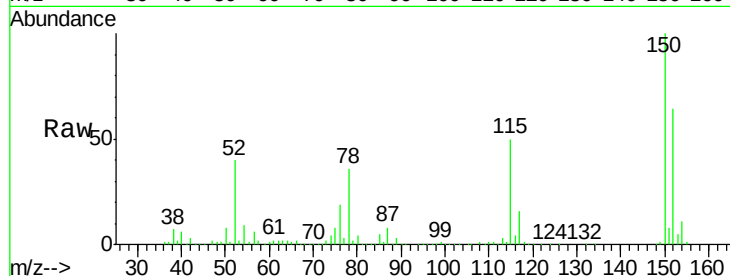




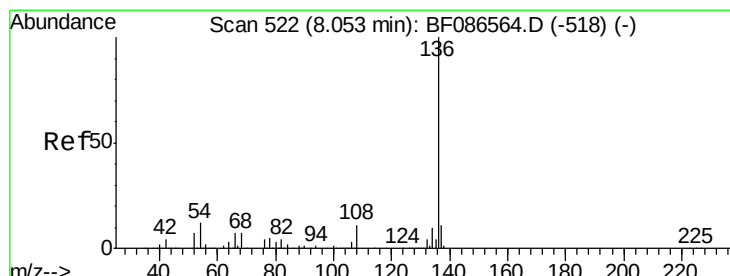
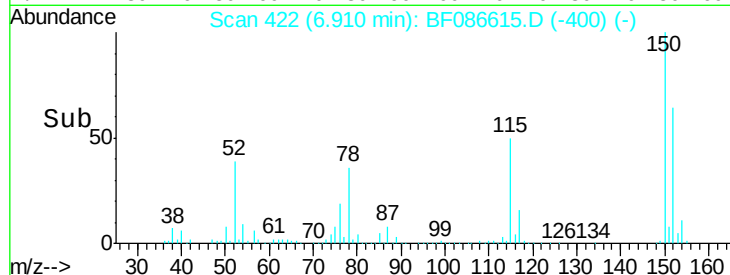
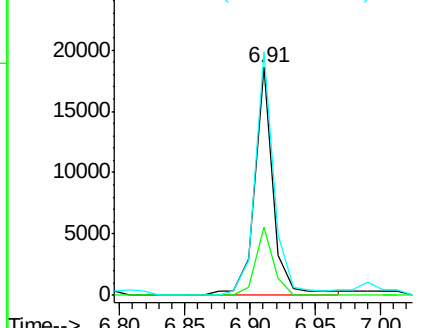
#15
Benzyl Alcohol
Concen: 2.30 ng
RT: 6.91 min Scan# 422
Delta R.T. -0.05 min
Lab File: BF086615.D
Acq: 2 May 2016 14:06

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-4(0-12FTBGS)

Tgt Ion: 79 Resp: 18499
Ion Ratio Lower Upper
79 100
108 30.1 68.4 102.6#
77 106.8 50.6 76.0#

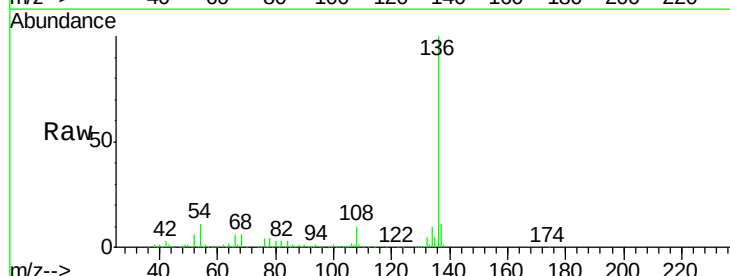


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0

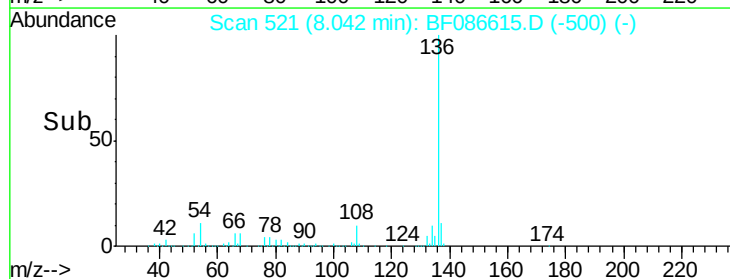
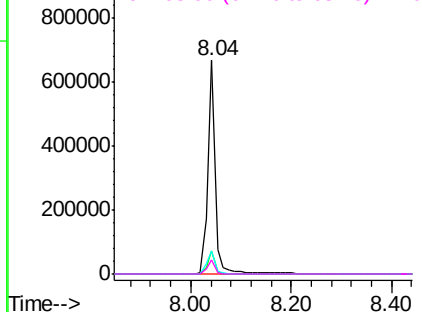


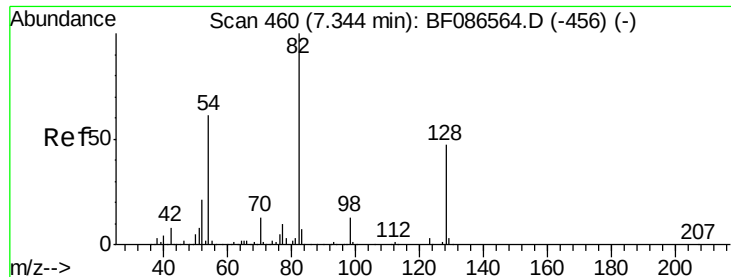
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.06 min
Lab File: BF086615.D
Acq: 2 May 2016 14:06

Tgt Ion: 136 Resp: 690228
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.9 5.0 7.4#
68 6.4 4.4 6.6



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

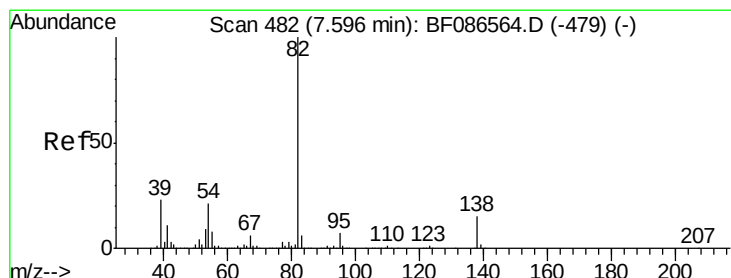
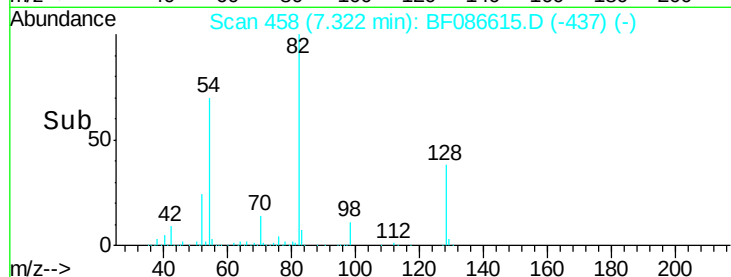
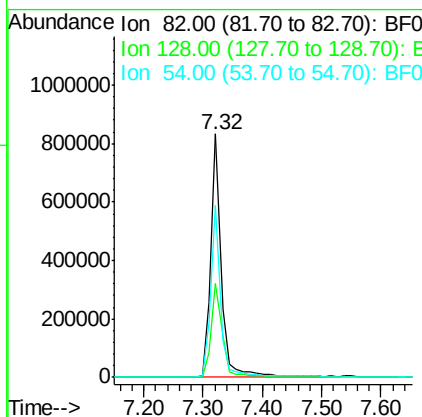
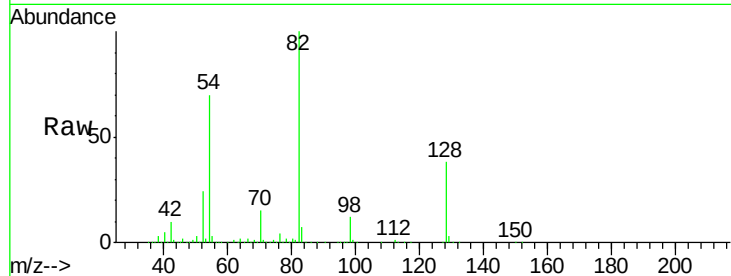




#23
Nitrobenzene-d5
Concen: 81.15 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.06 min
Lab File: BF086615.D
Acq: 2 May 2016 14:06

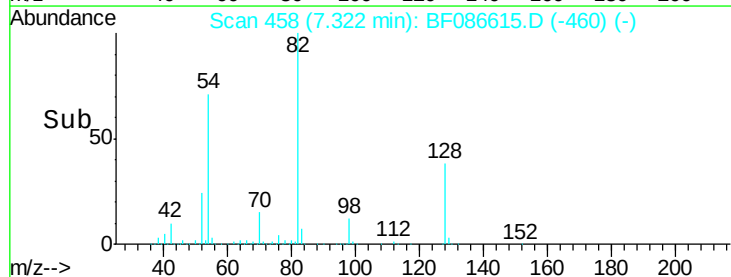
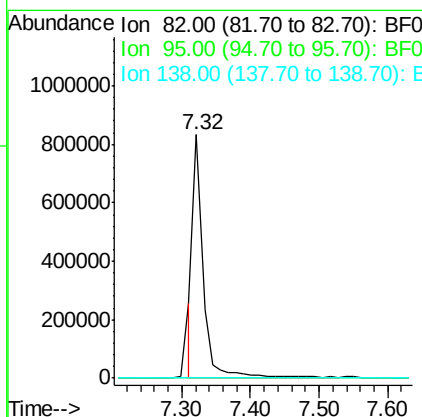
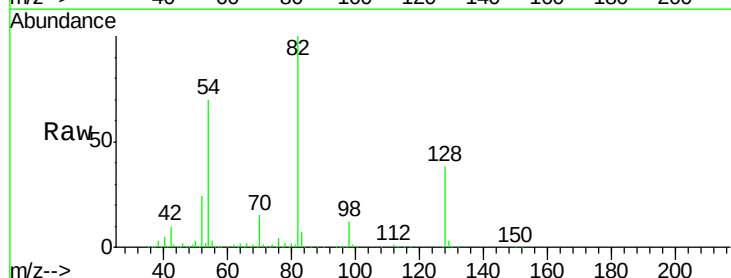
Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-4(0-12FTBGS)

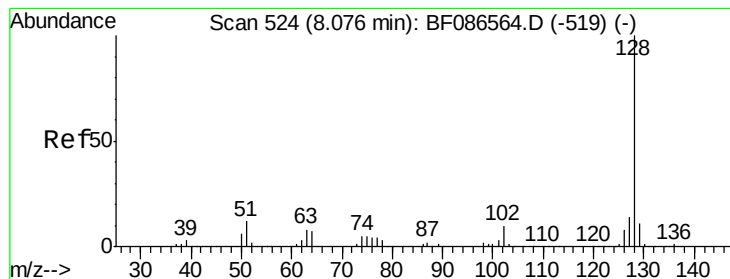
Tgt Ion: 82 Resp: 1039169
Ion Ratio Lower Upper
82 100
128 38.5 40.6 61.0#
54 70.4 38.1 57.1#



#25
Isophorone
Concen: 33.08 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.32 min
Lab File: BF086615.D
Acq: 2 May 2016 14:06

Tgt Ion: 82 Resp: 815219
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.4 18.6#





#31

Naphthalene

Concen: 2.43 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.05 min

Lab File: BF086615.D

Acq: 2 May 2016 14:06

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-4(0-12FTBGS)

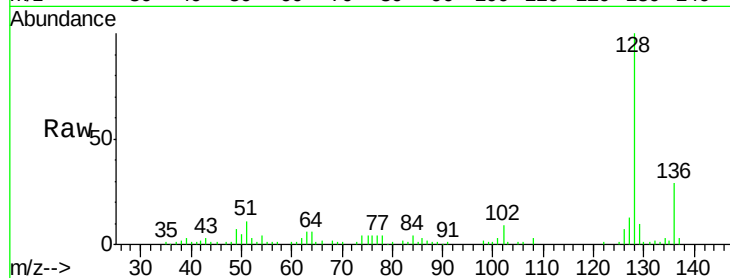
Tgt Ion:128 Resp: 85355

Ion Ratio Lower Upper

128 100

129 10.4 8.6 13.0

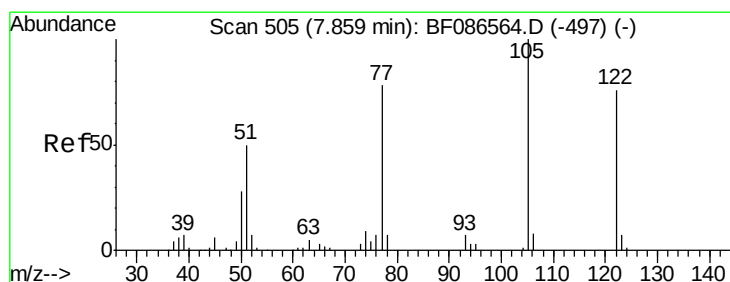
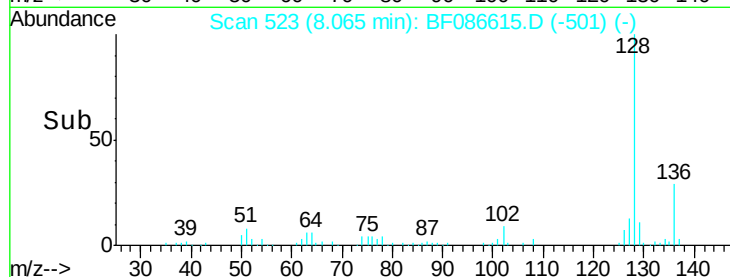
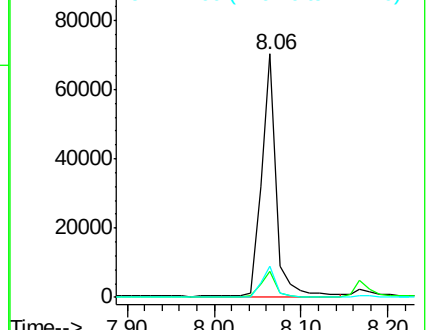
127 12.6 10.8 16.2



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



#32

Benzoic acid

Concen: 9.34 ng

RT: 7.78 min Scan# 498

Delta R.T. -0.11 min

Lab File: BF086615.D

Acq: 2 May 2016 14:06

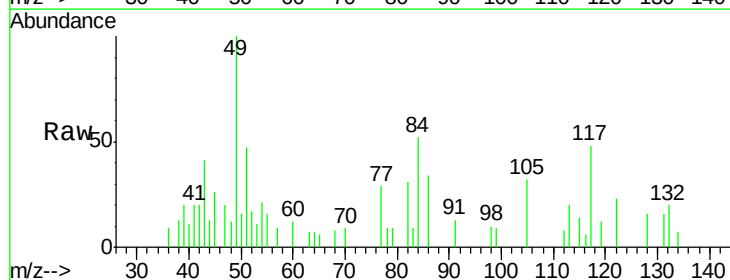
Tgt Ion:122 Resp: 4419

Ion Ratio Lower Upper

122 100

105 140.9 92.6 132.6#

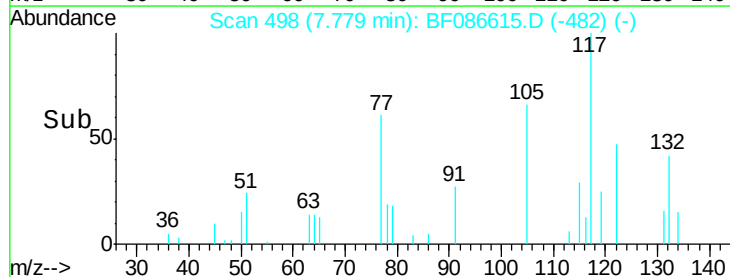
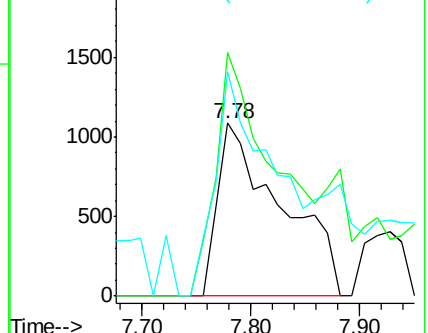
77 129.8 60.0 100.0#

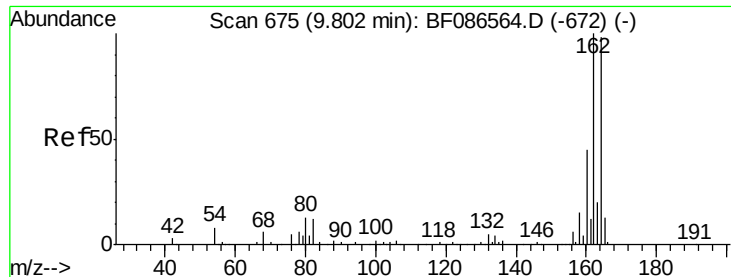


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

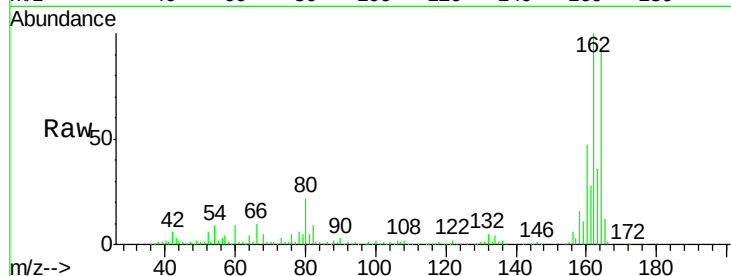




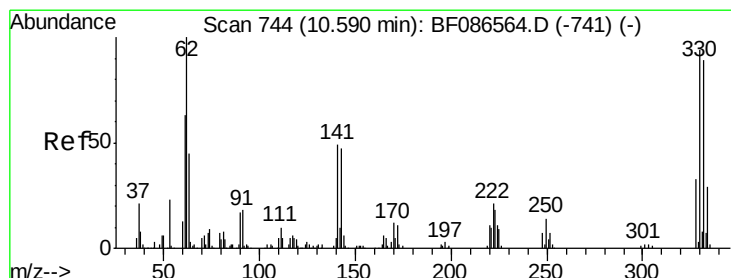
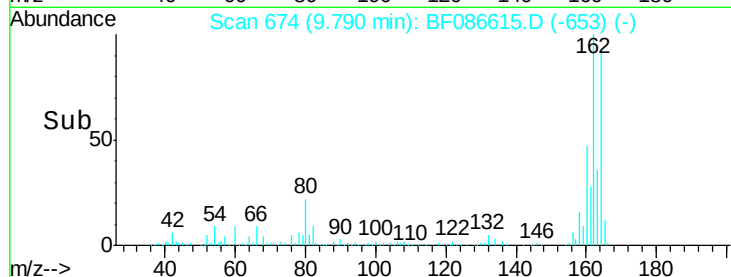
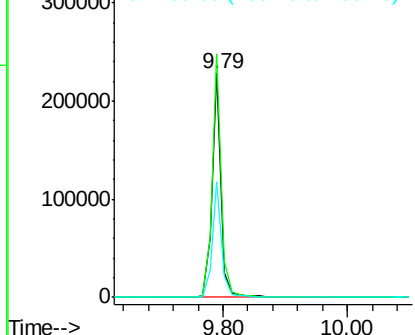
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.06 min
Lab File: BF086615.D
Acq: 2 May 2016 14:06

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-4(0-12FTBGS)

Tgt Ion:164 Resp: 228008
Ion Ratio Lower Upper
164 100
162 108.5 82.8 124.2
160 51.3 36.9 55.3

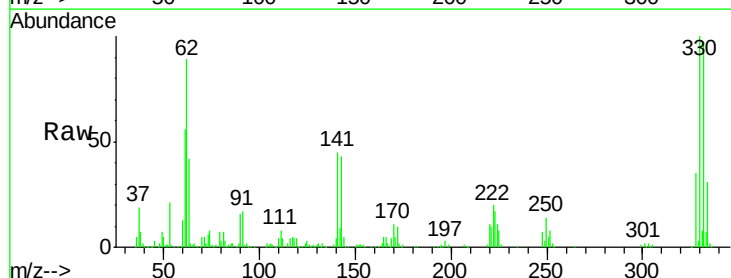


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

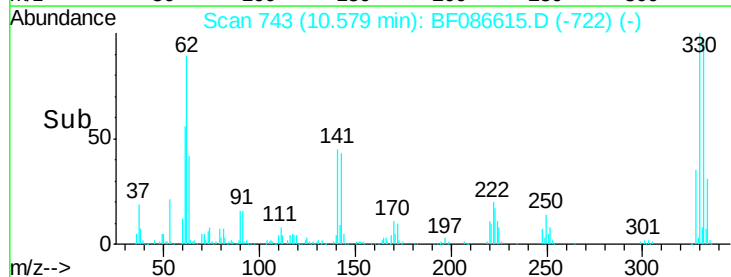
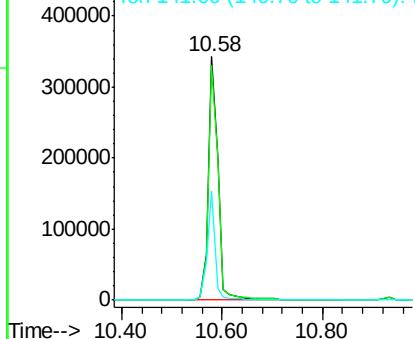


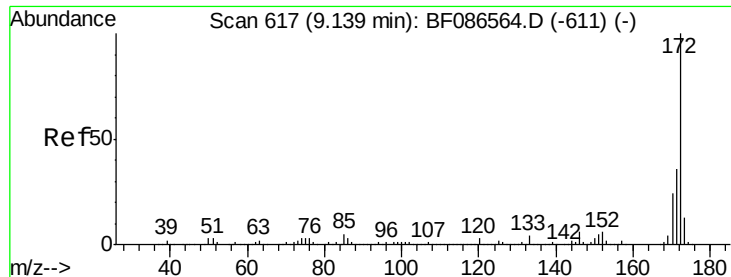
#41
2,4,6-Tribromophenol
Concen: 190.90 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.06 min
Lab File: BF086615.D
Acq: 2 May 2016 14:06

Tgt Ion:330 Resp: 459021
Ion Ratio Lower Upper
330 100
332 97.1 79.0 118.4
141 36.6 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

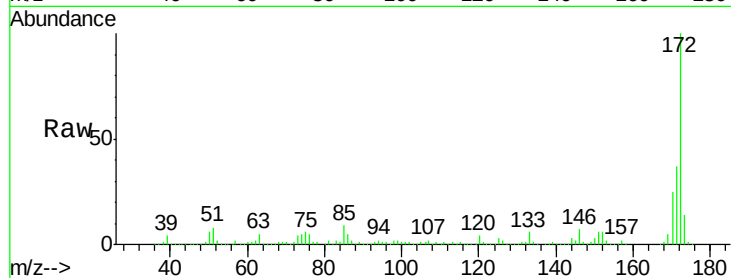




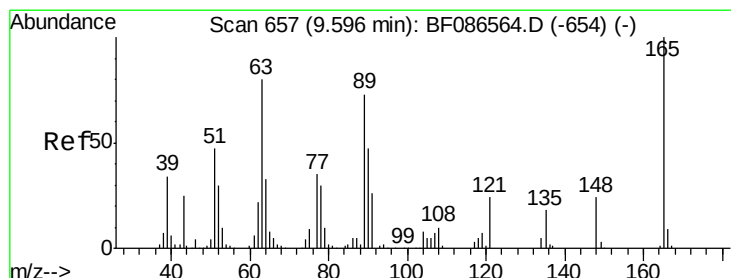
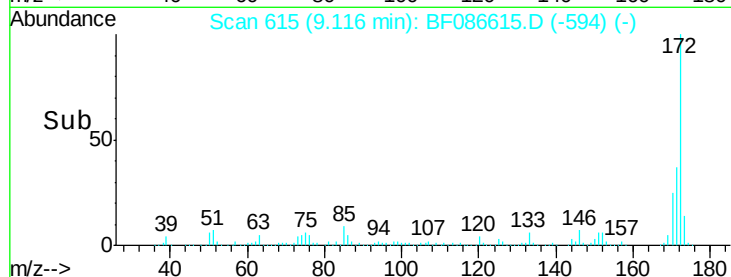
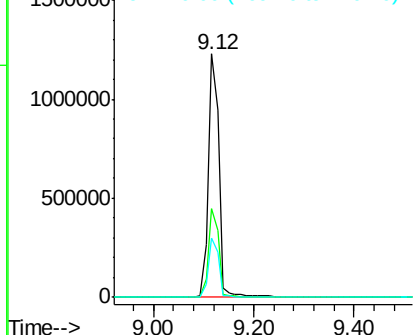
#44
 2-Fluorobiphenyl
 Concen: 165.75 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF086615.D
 Acq: 2 May 2016 14:06

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-4(0-12FTBGS)

Tgt Ion:172 Resp: 1800257
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.0 43.6
 170 24.6 19.8 29.8

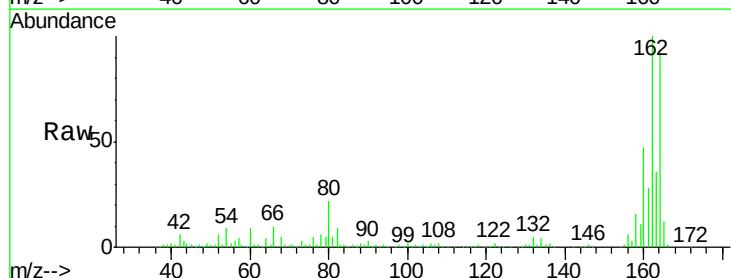


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

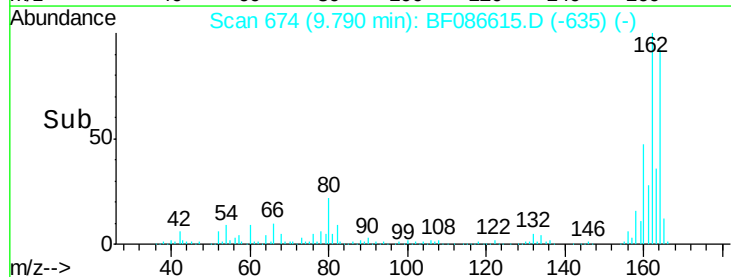
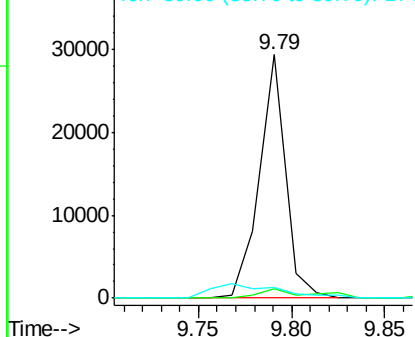


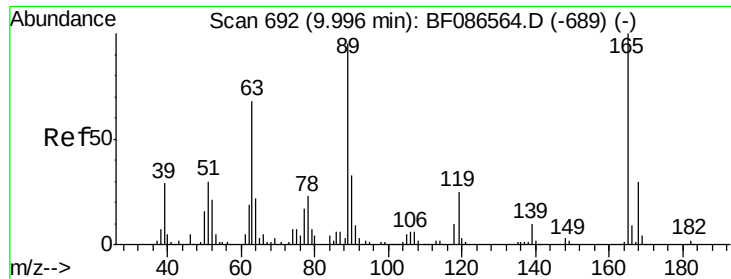
#50
 2,6-Dinitrotoluene
 Concen: 8.02 ng
 RT: 9.79 min Scan# 674
 Delta R.T. 0.15 min
 Lab File: BF086615.D
 Acq: 2 May 2016 14:06

Tgt Ion:165 Resp: 28430
 Ion Ratio Lower Upper
 165 100
 63 3.6 51.8 77.8#
 89 4.4 50.7 76.1#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

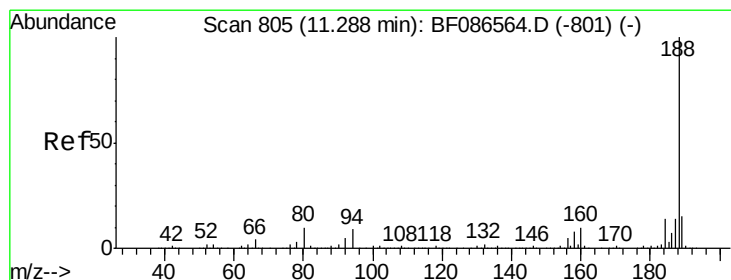
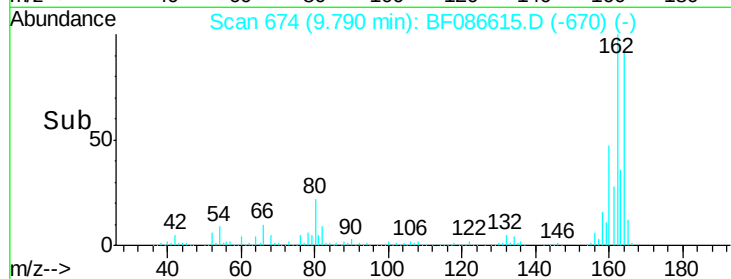
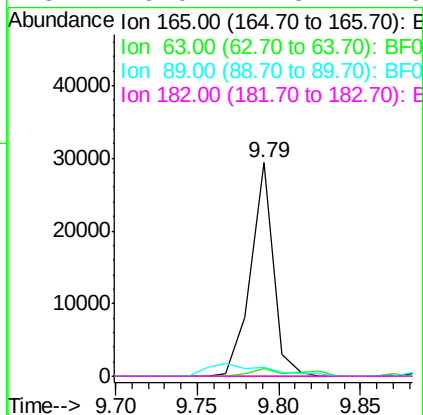
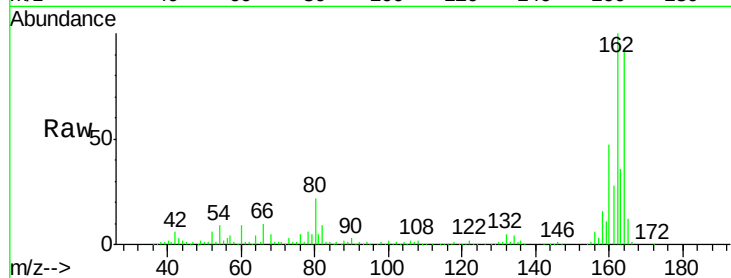




#56
 2,4-Dinitrotoluene
 Concen: 6.29 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.25 min
 Lab File: BF086615.D
 Acq: 2 May 2016 14:06

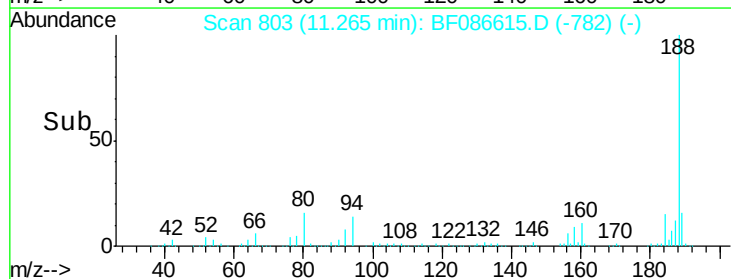
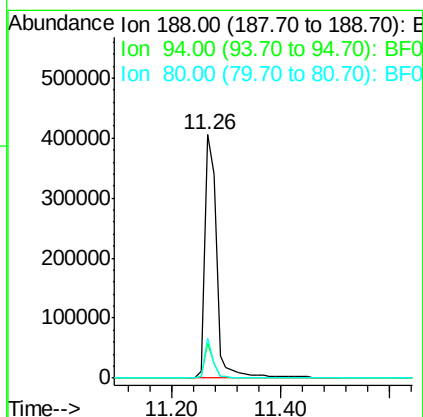
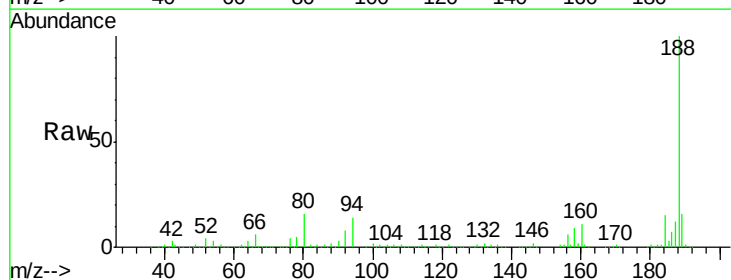
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-4(0-12FTBGS)

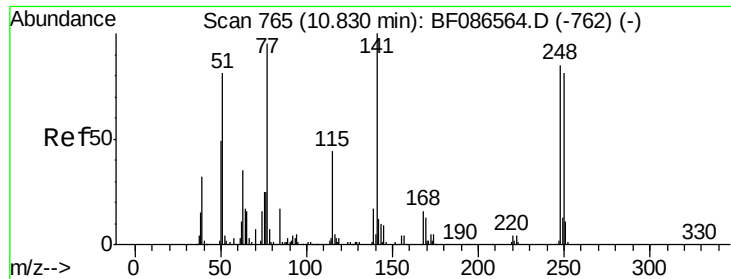
Tgt Ion:	165	Resp:	28426
Ion	Ratio	Lower	Upper
165	100		
63	3.6	44.3	66.5#
89	4.4	70.0	105.0#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.06 min
 Lab File: BF086615.D
 Acq: 2 May 2016 14:06

Tgt Ion:	188	Resp:	604215
Ion	Ratio	Lower	Upper
188	100		
94	14.1	6.8	10.2#
80	16.3	7.1	10.7#

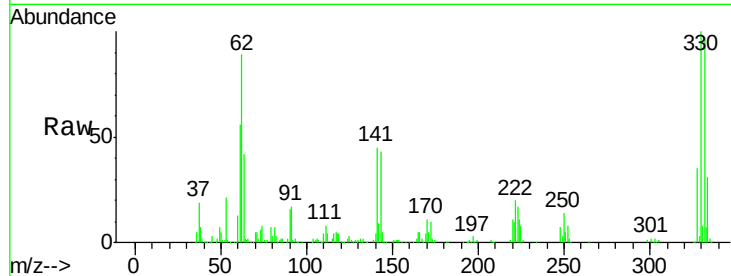




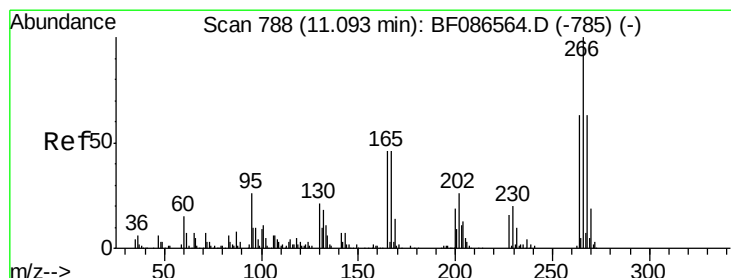
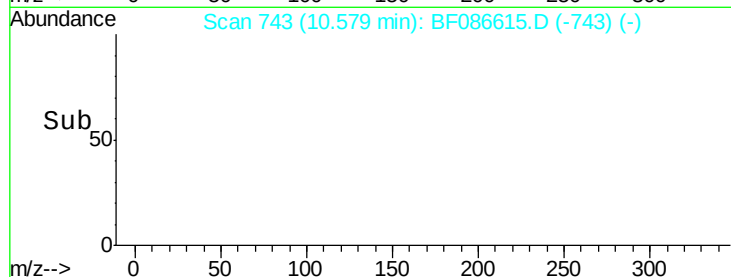
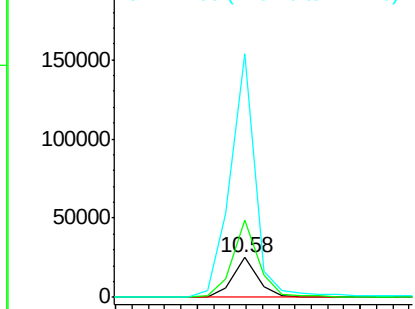
#66
4-Bromophenyl-phenylether
Concen: 4.36 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.30 min
Lab File: BF086615.D
Acq: 2 May 2016 14:06

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-4(0-12FTBGS)

Tgt Ion:248 Resp: 27124
Ion Ratio Lower Upper
248 100
250 193.7 78.6 117.8#
141 609.5 76.0 114.0#

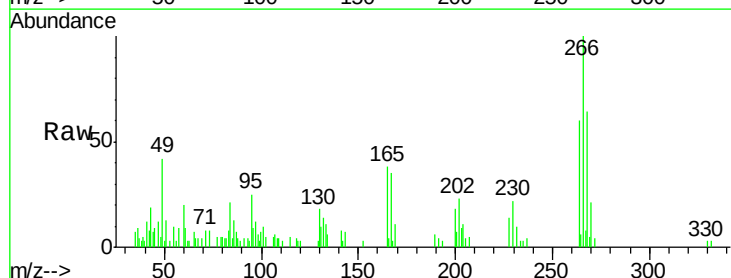


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

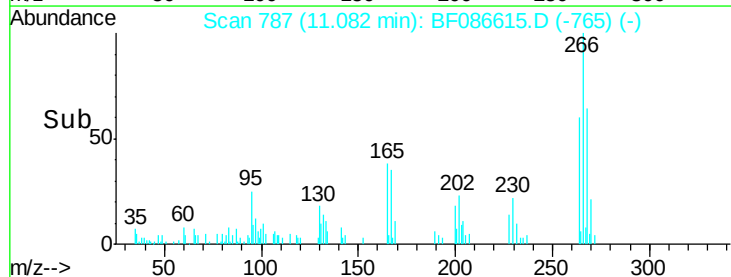
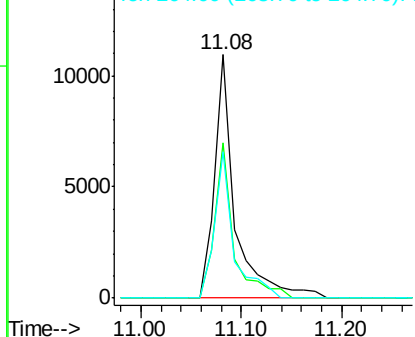


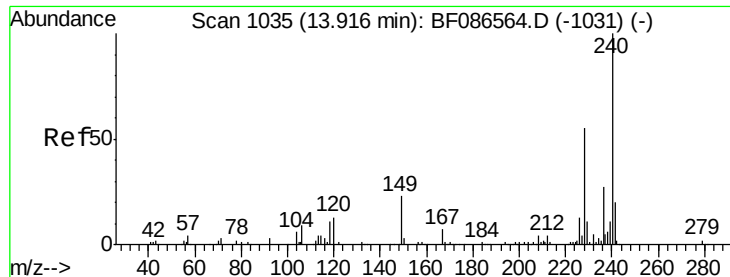
#69
Pentachlorophenol
Concen: 4.06 ng
RT: 11.08 min Scan# 787
Delta R.T. -0.05 min
Lab File: BF086615.D
Acq: 2 May 2016 14:06

Tgt Ion:266 Resp: 15437
Ion Ratio Lower Upper
266 100
268 63.8 51.5 77.3
264 60.3 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: 13.89 min Scan# 1033

Delta R.T. -0.07 min

Lab File: BF086615.D

Acq: 2 May 2016 14:06

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-4(0-12FTBGS)

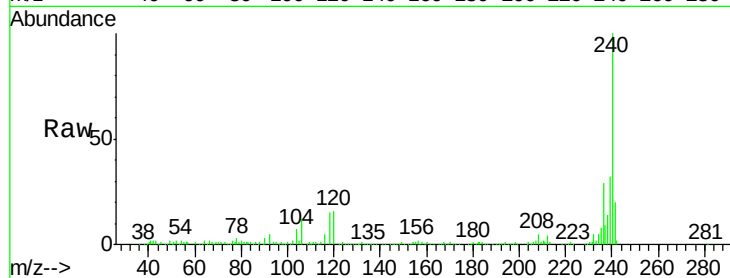
Tgt Ion:240 Resp: 303639

Ion Ratio Lower Upper

240 100

120 16.2 11.2 16.8

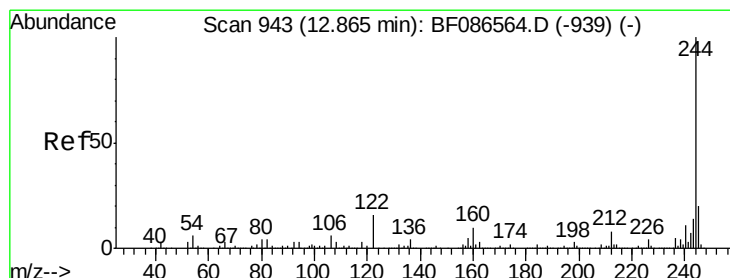
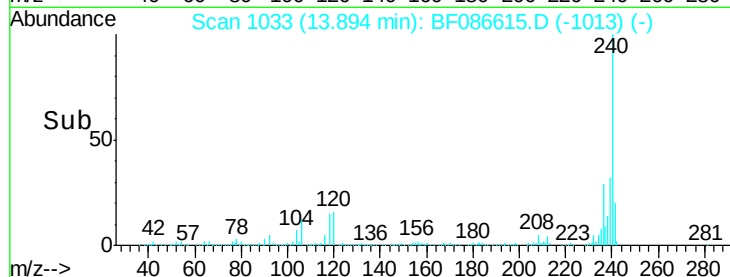
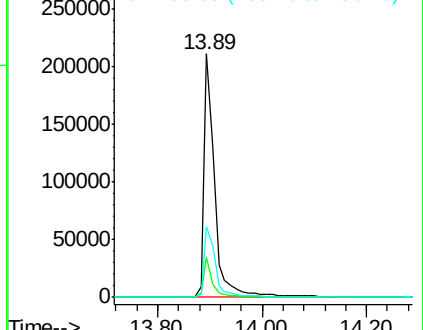
236 29.0 21.2 31.8



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: 137.00 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF086615.D

Acq: 2 May 2016 14:06

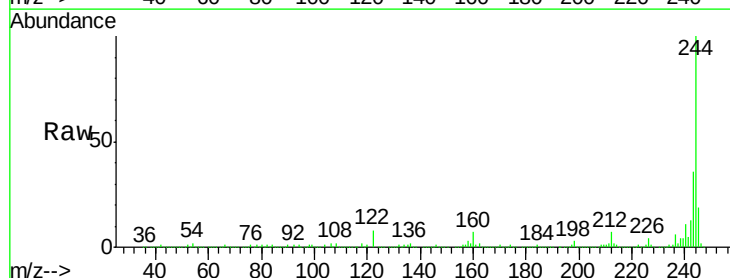
Tgt Ion:244 Resp: 1888187

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

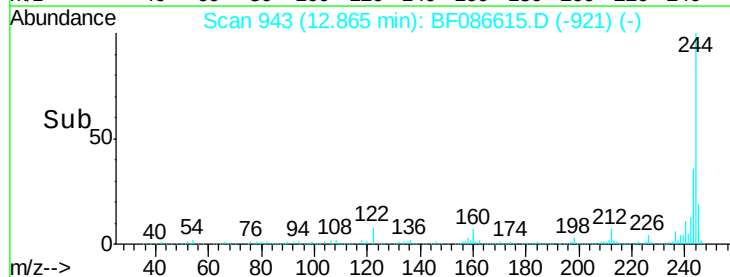
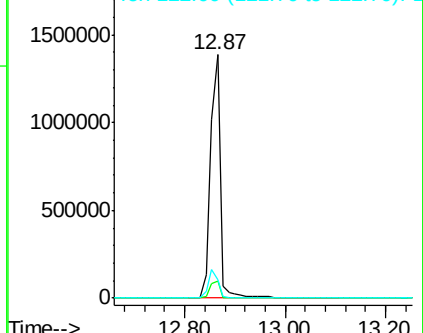
122 7.5 12.0 18.0#

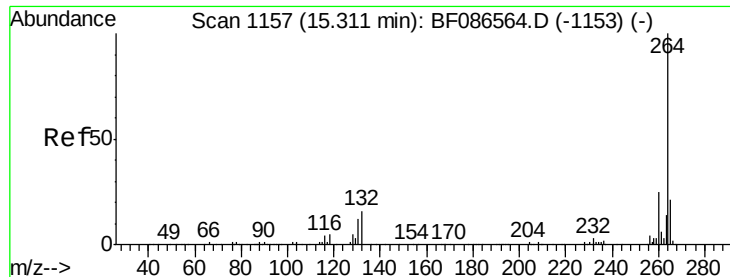


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

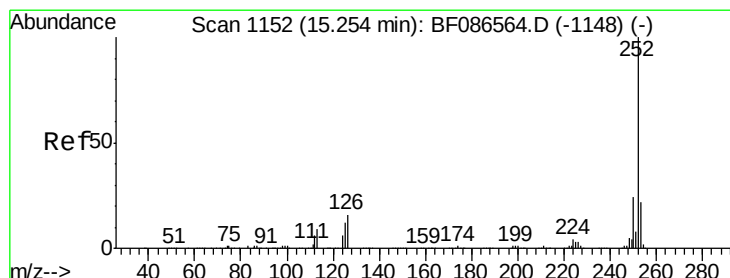
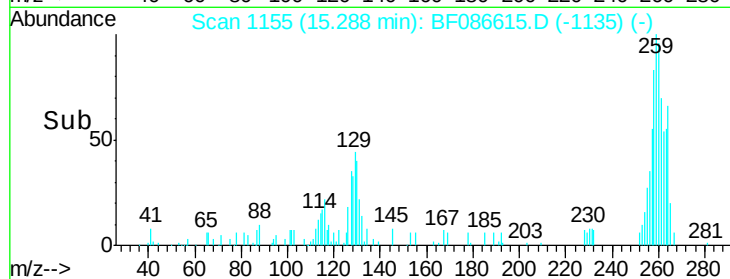
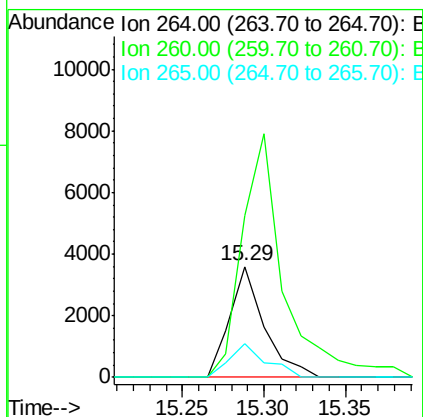
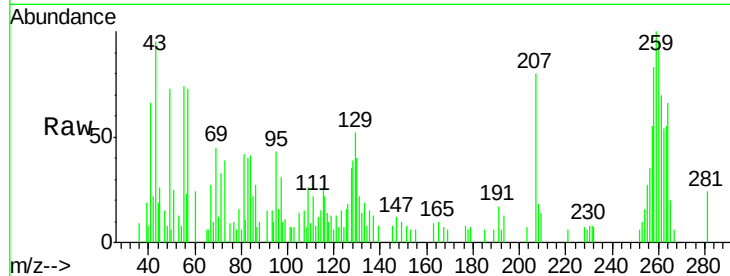




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.07 min
 Lab File: BF086615.D
 Acq: 2 May 2016 14:06

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-4(0-12FTBGS)

Tgt Ion: 264 Resp: 5274
 Ion Ratio Lower Upper
 264 100
 260 146.0 19.5 29.3#
 265 29.9 17.3 25.9#



#89
 Benzo(a)pyrene
 Concen: 6.23 ng
 RT: 15.30 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: BF086615.D
 Acq: 2 May 2016 14:06

Tgt Ion: 252 Resp: 1825
 Ion Ratio Lower Upper
 252 100
 253 166.2 17.2 25.8#
 125 102.2 9.0 13.6#

