

Data File : BM010953.D
Acq On : 22 Jul 2017 01:35
Operator : SJ/JU
Sample : I4313-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-COMB-1

Quant Time: Jul 22 02:31:07 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 12 14:21:16 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	252575	20.00	ng	-0.03
21) Naphthalene-d8	10.18	136	943950	20.00	ng	-0.03
38) Acenaphthene-d10	14.07	164	181068	20.00	ng	-0.02
63) Phenanthrene-d10	16.83	188	942527	20.00	ng	-0.02
75) Chrysene-d12	21.04	240	212173	20.00	ng	-0.02
86) Perylene-d12	23.17	264	11469	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	1909054	125.20	ng	-0.02
7) Phenol-d6	6.62	99	1041258	49.54	ng	-0.02
23) Nitrobenzene-d5	8.57	82	2207125	89.87	ng	-0.02
41) 2,4,6-Tribromophenol	15.58	330	1426078	515.38	ng	-0.02
44) 2-Fluorobiphenyl	12.69	172	4444436	305.35	ng	-0.02
78) Terphenyl-d14	19.49	244	4147413	378.07	ng	-0.02
Target Compounds						
87) Benzo(b)fluoranthene	22.56	252	2135	2.93	ng	# 1
88) Benzo(k)fluoranthene	22.60	252	2527	3.63	ng	# 70
90) Dibenzo(a,h)anthracene	25.27	278	1367	2.12	ng	# 35

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

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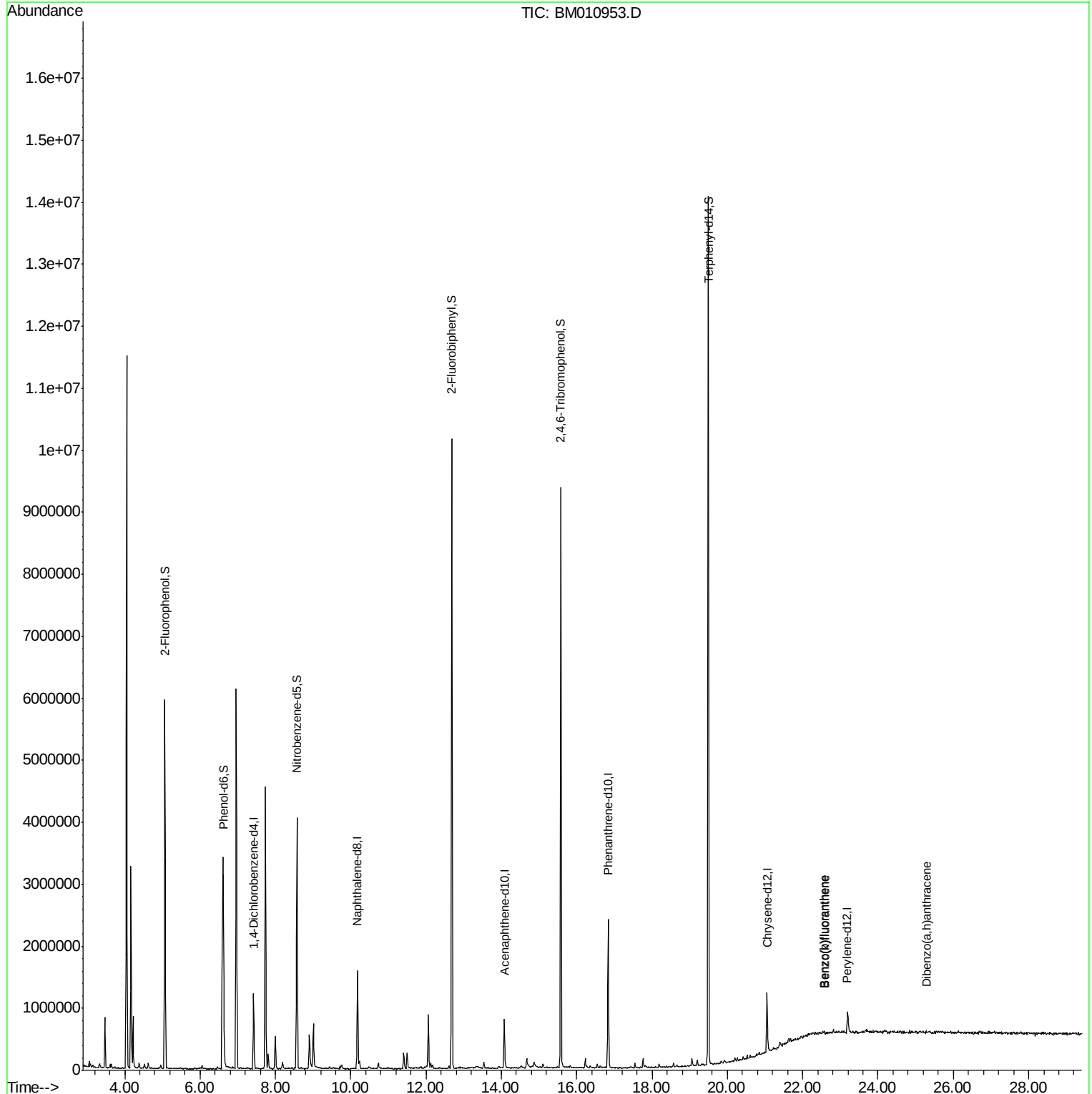
Quant Time: Jul 22 02:31:07 2017

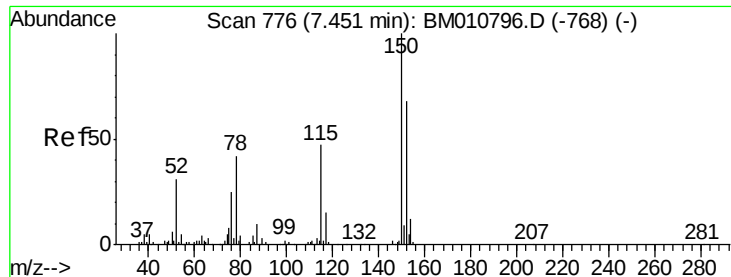
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jul 12 14:21:16 2017

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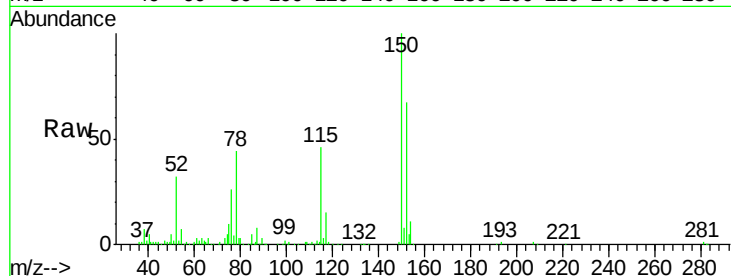


#1

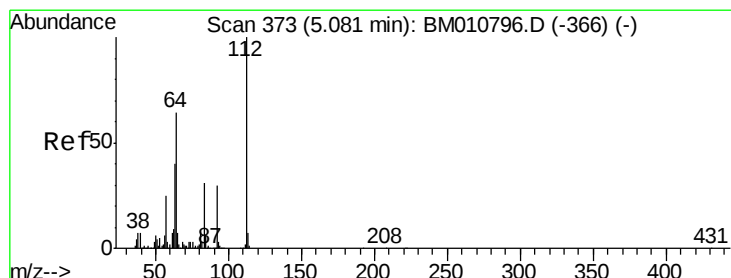
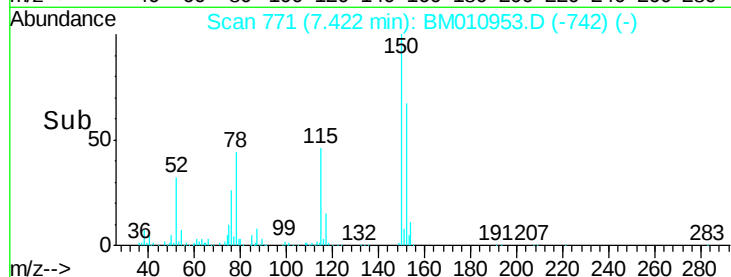
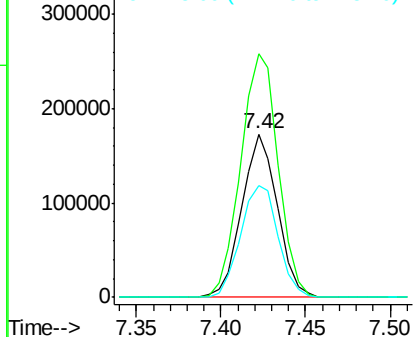
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.03 min
Lab File: BM010953.D
Acq: 22 Jul 2017 01:35

Instrument :
BNA_M
ClientSampleId :
B-COMB-1

Tgt Ion:152 Resp: 252575
Ion Ratio Lower Upper
152 100
150 149.1 119.5 179.3
115 68.7 43.0 64.4#



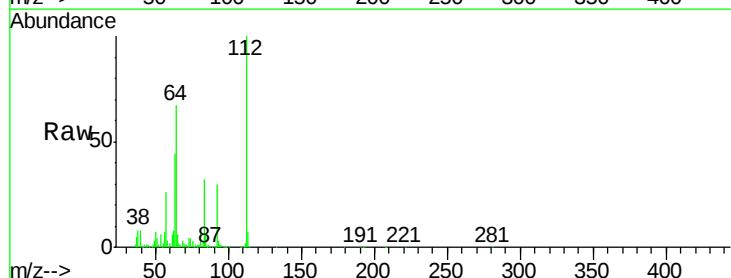
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



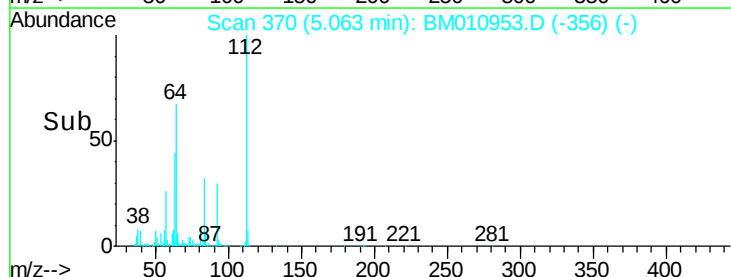
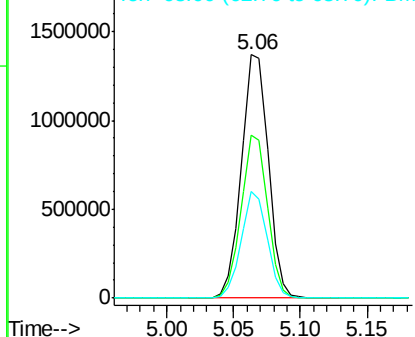
#5

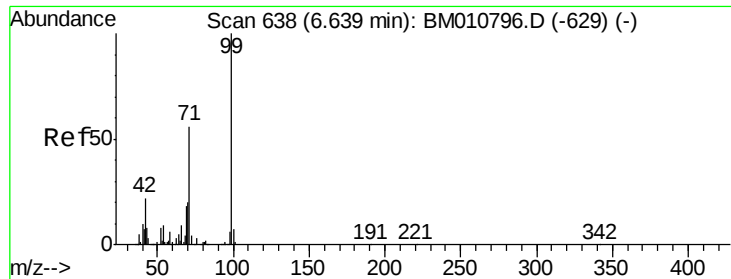
2-Fluorophenol
Concen: 125.20 ng
RT: 5.06 min Scan# 370
Delta R.T. -0.02 min
Lab File: BM010953.D
Acq: 22 Jul 2017 01:35

Tgt Ion:112 Resp: 1909054
Ion Ratio Lower Upper
112 100
64 66.8 38.6 57.8#
63 43.8 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 49.54 ng

RT: 6.62 min Scan# 635

Delta R.T. -0.02 min

Lab File: BM010953.D

Acq: 22 Jul 2017 01:35

Instrument :

BNA_M

ClientSampleId :

B-COMB-1

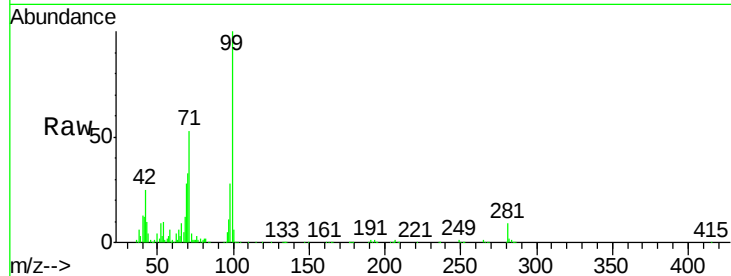
Tgt Ion: 99 Resp: 1041258

Ion Ratio Lower Upper

99 100

42 25.3 11.0 16.4#

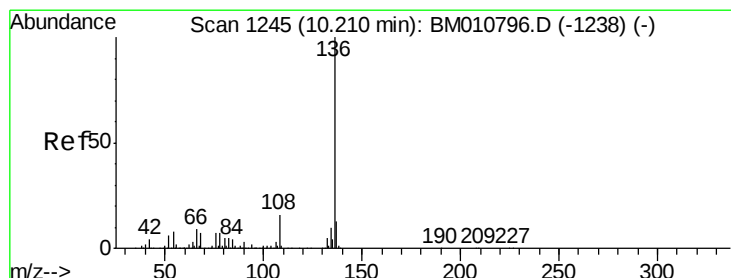
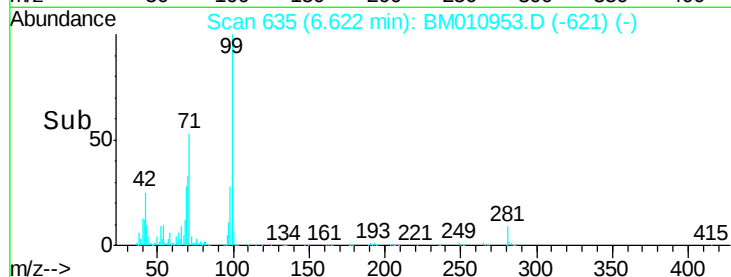
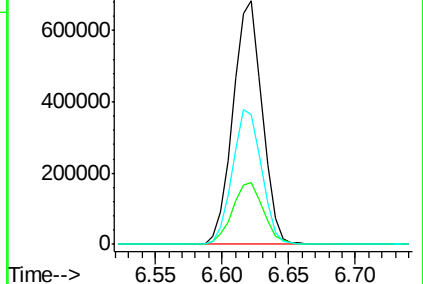
71 53.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010953.D (-621) (-)

Ion 42.00 (41.70 to 42.70): BM010953.D (-621) (-)

Ion 71.00 (70.70 to 71.70): BM010953.D (-621) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.03 min

Lab File: BM010953.D

Acq: 22 Jul 2017 01:35

Tgt Ion: 136 Resp: 943950

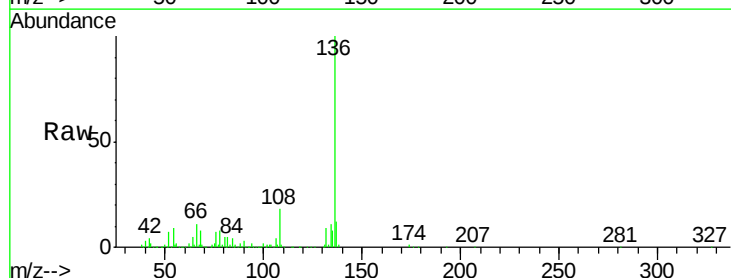
Ion Ratio Lower Upper

136 100

137 12.0 8.7 13.1

54 8.7 4.6 6.8#

68 7.5 3.7 5.5#

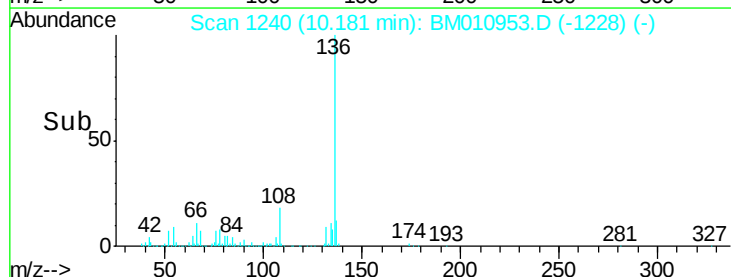
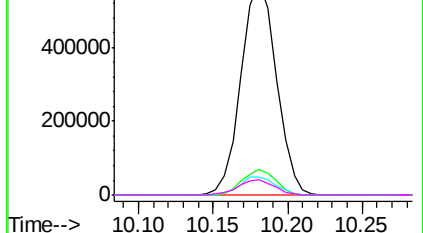


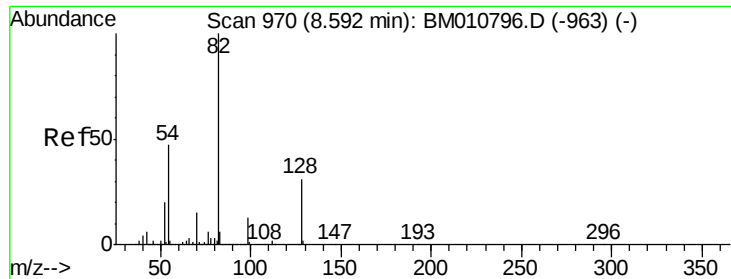
Abundance Ion 136.00 (135.70 to 136.70): BM010953.D (-1228) (-)

Ion 137.00 (136.70 to 137.70): BM010953.D (-1228) (-)

Ion 54.00 (53.70 to 54.70): BM010953.D (-1228) (-)

Ion 68.00 (67.70 to 68.70): BM010953.D (-1228) (-)

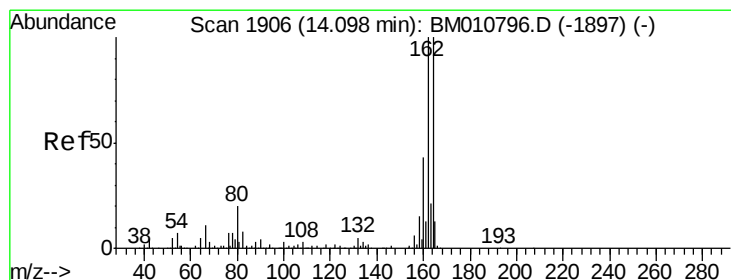
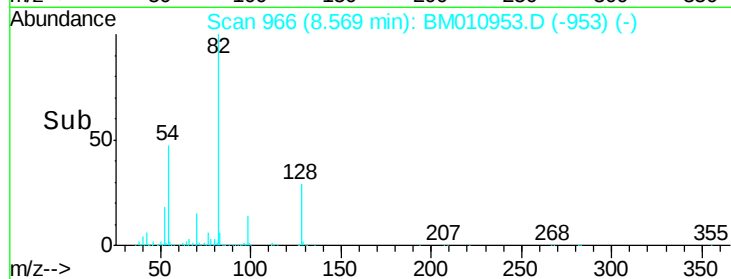
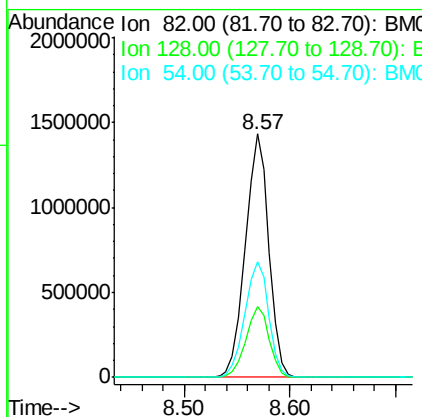
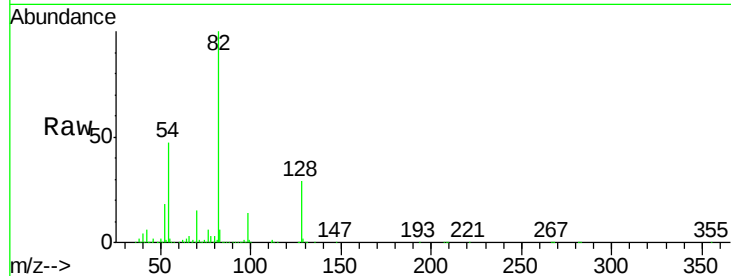




#23
 Nitrobenzene-d5
 Concen: 89.87 ng
 RT: 8.57 min Scan# 966
 Delta R.T. -0.02 min
 Lab File: BM010953.D
 Acq: 22 Jul 2017 01:35

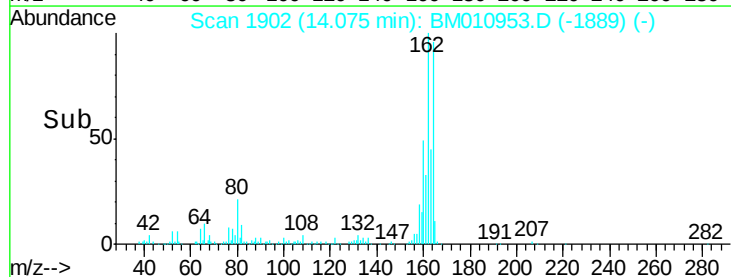
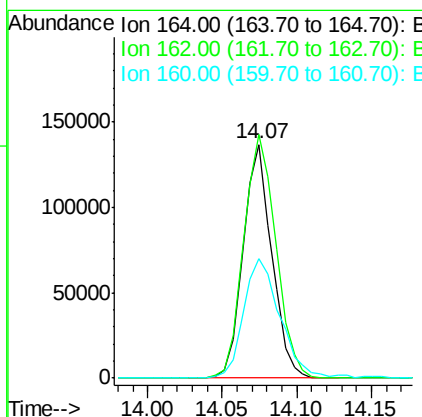
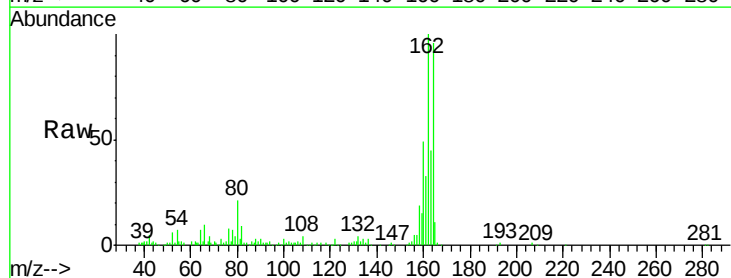
Instrument :
 BNA_M
 ClientSampleId :
 B-COMB-1

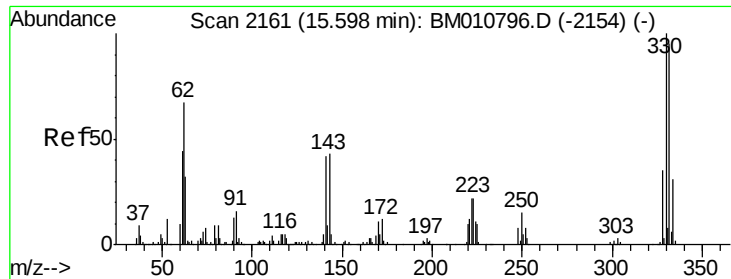
Tgt Ion: 82 Resp: 2207125
 Ion Ratio Lower Upper
 82 100
 128 29.0 32.8 49.2#
 54 47.4 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.07 min Scan# 1902
 Delta R.T. -0.02 min
 Lab File: BM010953.D
 Acq: 22 Jul 2017 01:35

Tgt Ion: 164 Resp: 181068
 Ion Ratio Lower Upper
 164 100
 162 104.3 82.4 123.6
 160 51.3 35.8 53.6

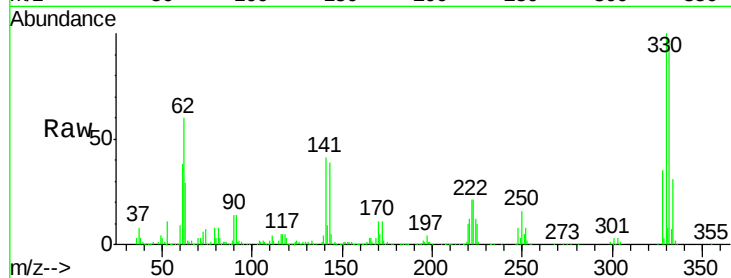




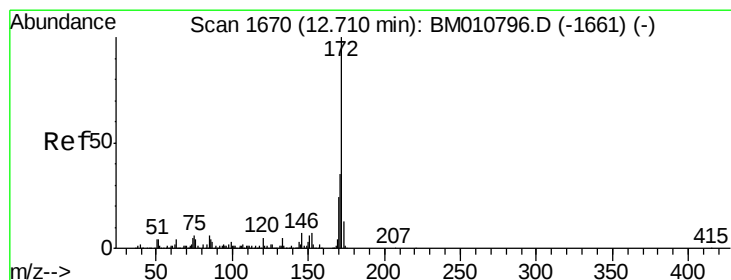
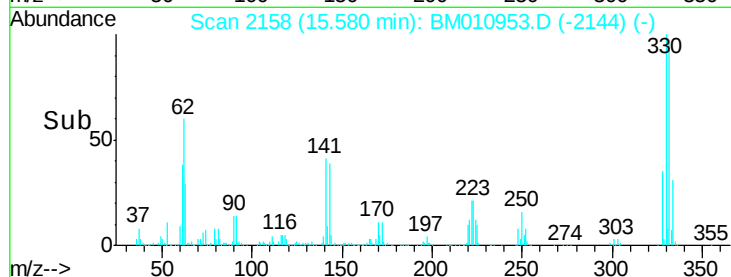
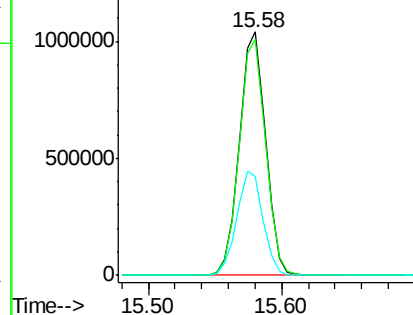
#41
 2,4,6-Tribromophenol
 Concen: 515.38 ng
 RT: 15.58 min Scan# 2158
 Delta R.T. -0.02 min
 Lab File: BM010953.D
 Acq: 22 Jul 2017 01:35

Instrument :
 BNA_M
 ClientSampleId :
 B-COMB-1

Tgt Ion:330 Resp: 1426078
 Ion Ratio Lower Upper
 330 100
 332 97.4 0.0 0.0#
 141 43.0 0.0 0.0#

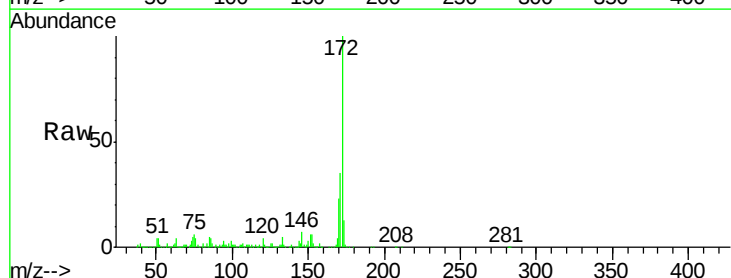


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

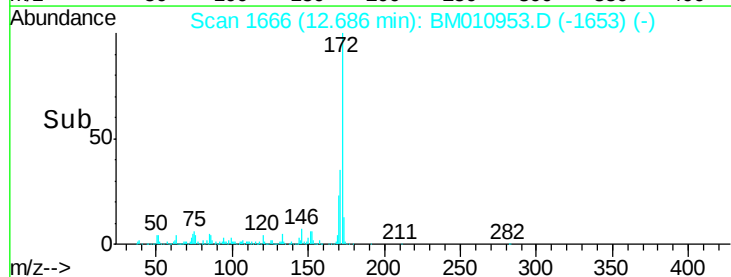
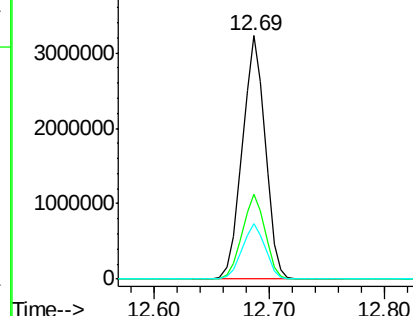


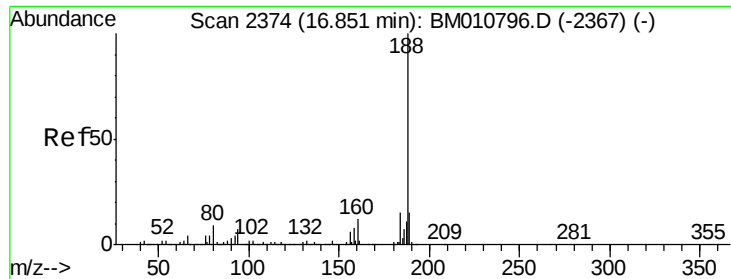
#44
 2-Fluorobiphenyl
 Concen: 305.35 ng
 RT: 12.69 min Scan# 1666
 Delta R.T. -0.02 min
 Lab File: BM010953.D
 Acq: 22 Jul 2017 01:35

Tgt Ion:172 Resp: 4444436
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.5 42.7
 170 22.7 18.8 28.2



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

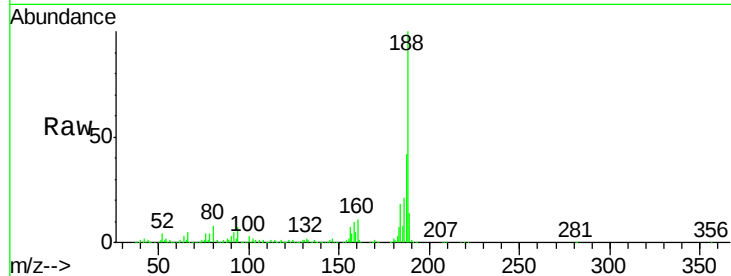




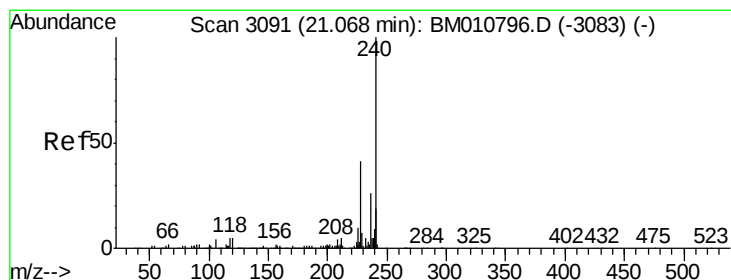
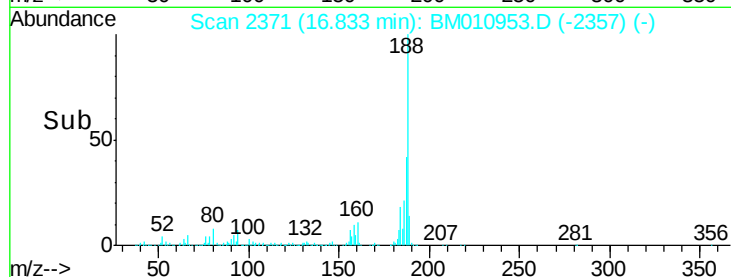
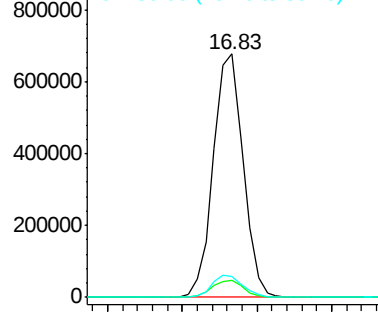
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.83 min Scan# 2371
Delta R.T. -0.02 min
Lab File: BM010953.D
Acq: 22 Jul 2017 01:35

Instrument :
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B-COMB-1

Tgt Ion:188 Resp: 942527
Ion Ratio Lower Upper
188 100
94 7.0 8.7 13.1#
80 8.3 9.3 13.9#

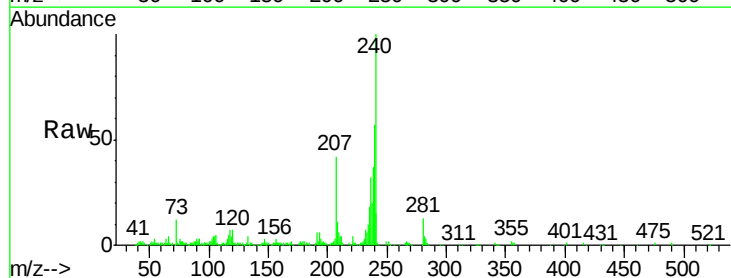


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

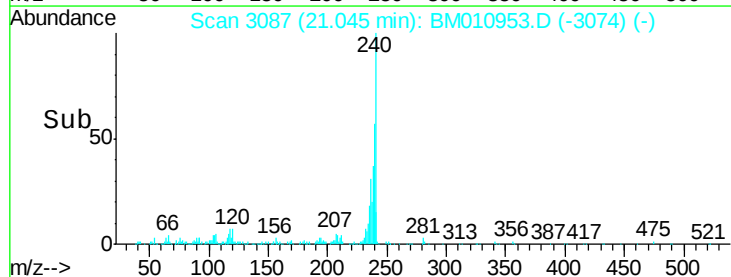
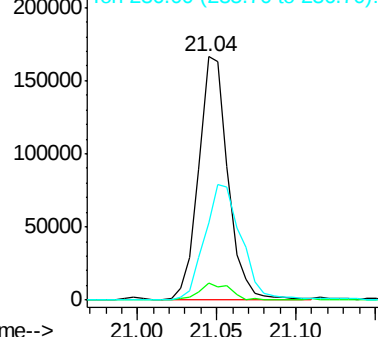


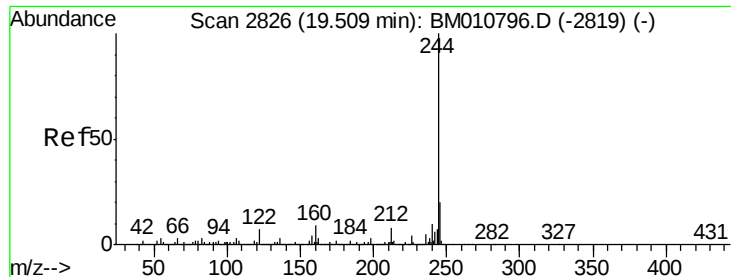
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.04 min Scan# 3087
Delta R.T. -0.02 min
Lab File: BM010953.D
Acq: 22 Jul 2017 01:35

Tgt Ion:240 Resp: 212173
Ion Ratio Lower Upper
240 100
120 7.1 8.2 12.2#
236 31.5 20.0 30.0#



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: 378.07 ng

RT: 19.49 min Scan# 2823

Delta R.T. -0.02 min

Lab File: BM010953.D

Acq: 22 Jul 2017 01:35

Instrument :

BNA_M

ClientSampleId :

B-COMB-1

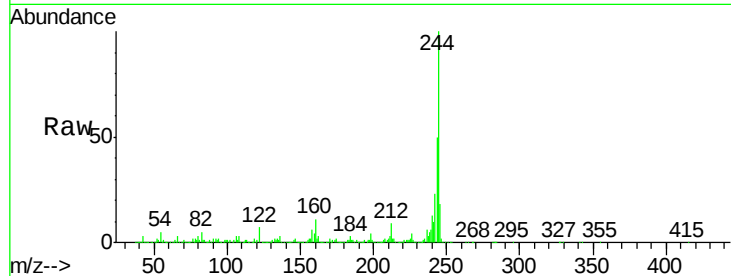
Tgt Ion:244 Resp: 4147413

Ion Ratio Lower Upper

244 100

212 9.3 4.9 7.3#

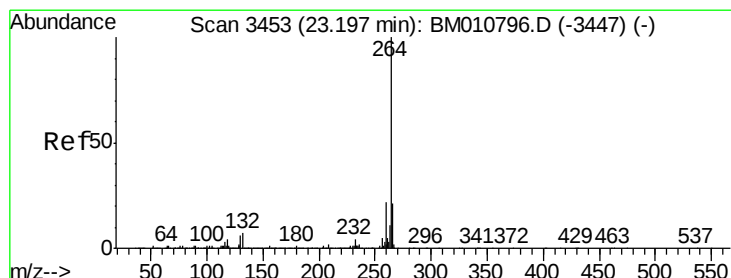
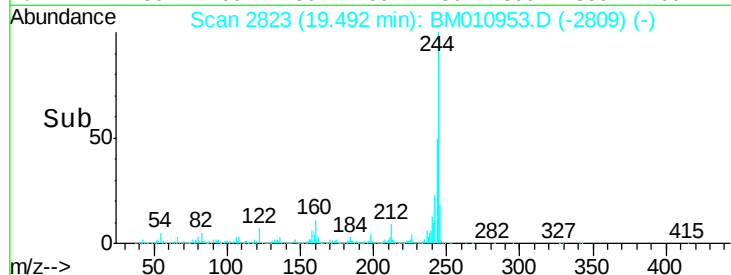
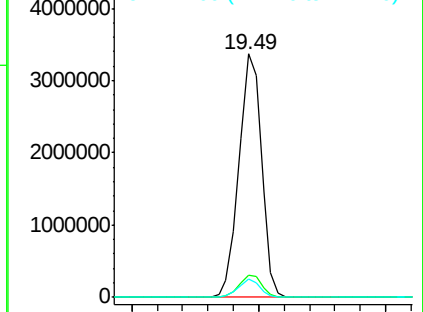
122 7.4 6.2 9.4



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: 23.17 min Scan# 3448

Delta R.T. -0.03 min

Lab File: BM010953.D

Acq: 22 Jul 2017 01:35

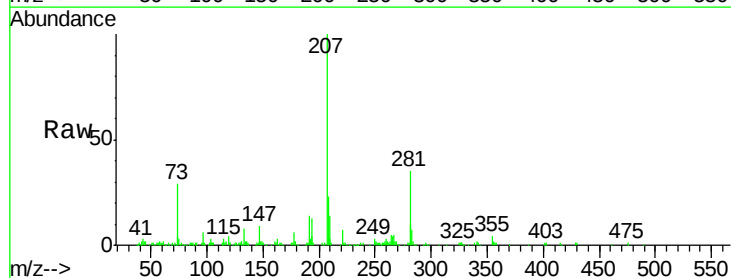
Tgt Ion:264 Resp: 11469

Ion Ratio Lower Upper

264 100

260 60.5 18.6 27.8#

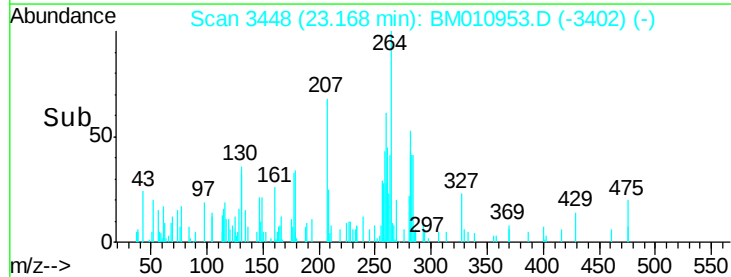
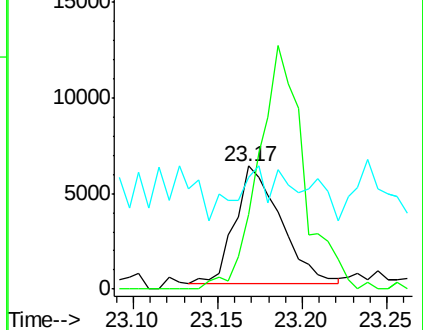
265 90.2 17.3 25.9#

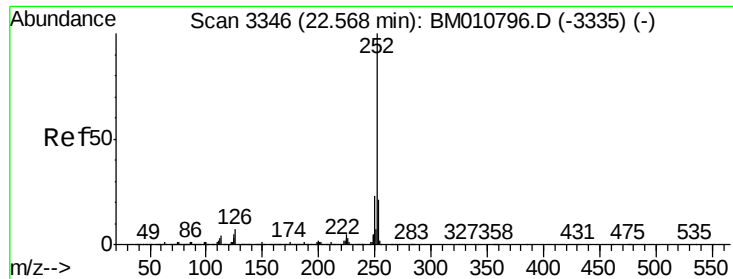


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.93 ng

RT: 22.56 min Scan# 3344

Delta R.T. -0.01 min

Lab File: BM010953.D

Acq: 22 Jul 2017 01:35

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B-COMB-1

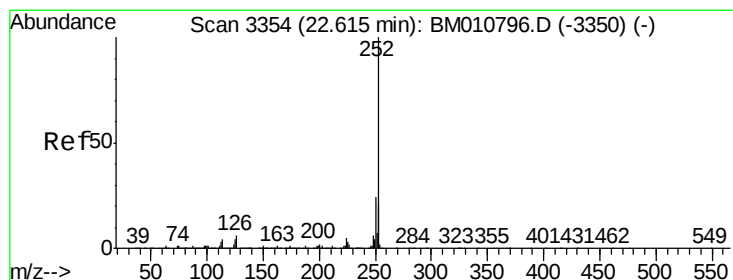
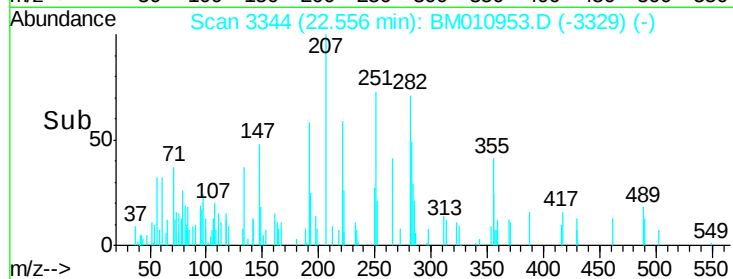
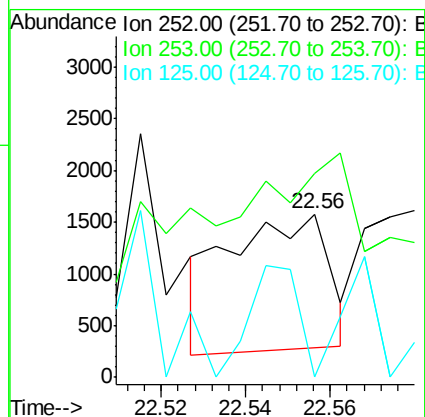
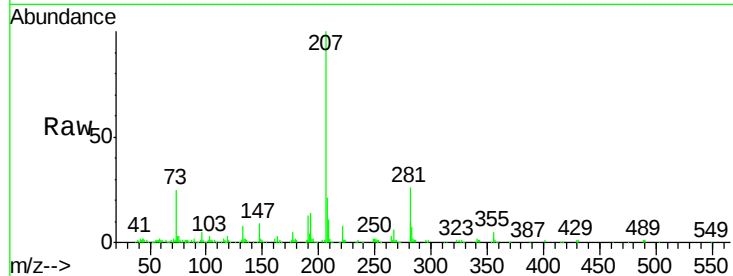
Tgt Ion:252 Resp: 2135

Ion Ratio Lower Upper

252 100

253 124.4 18.0 27.0#

125 0.0 9.9 14.9#



#88

Benzo(k)fluoranthene

Concen: 3.63 ng

RT: 22.60 min Scan# 3351

Delta R.T. -0.02 min

Lab File: BM010953.D

Acq: 22 Jul 2017 01:35

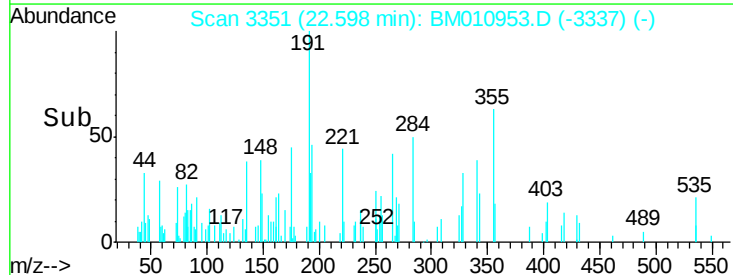
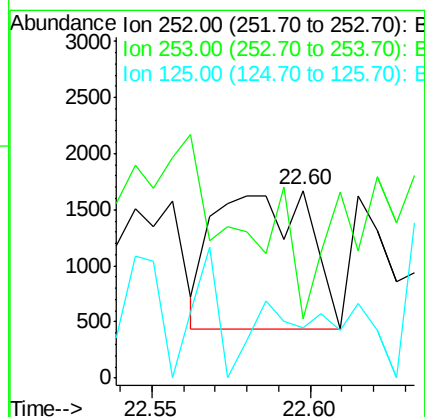
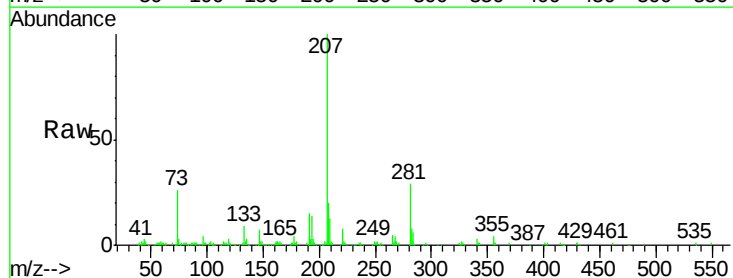
Tgt Ion:252 Resp: 2527

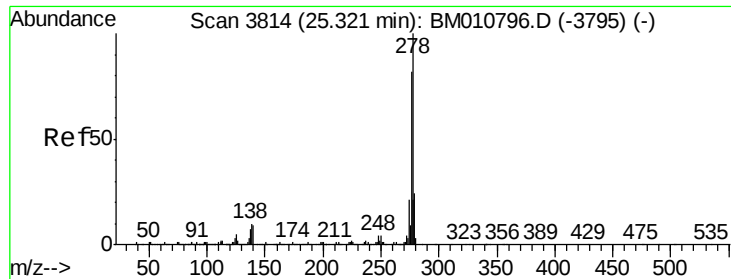
Ion Ratio Lower Upper

252 100

253 31.9 17.2 25.8#

125 27.1 8.1 12.1#





#90

Dibenzo(a,h)anthracene

Concen: 2.12 ng

RT: 25.27 min Scan# 3806

Delta R.T. -0.05 min

Lab File: BM010953.D

Acq: 22 Jul 2017 01:35

Instrument :

BNA_M

ClientSampleId :

B-COMB-1

Tgt Ion: 278 Resp: 1367

Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.0#

279 64.3 19.0 28.4#

