

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
 Data File : BM003435.D
 Acq On : 10 Dec 2015 04:42
 Operator : UM/IZ
 Sample : G4681-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 20151130-MGP214-BRV114

Quant Time: Dec 10 05:48:16 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 18:52:47 2015
 Response via : Initial Calibration

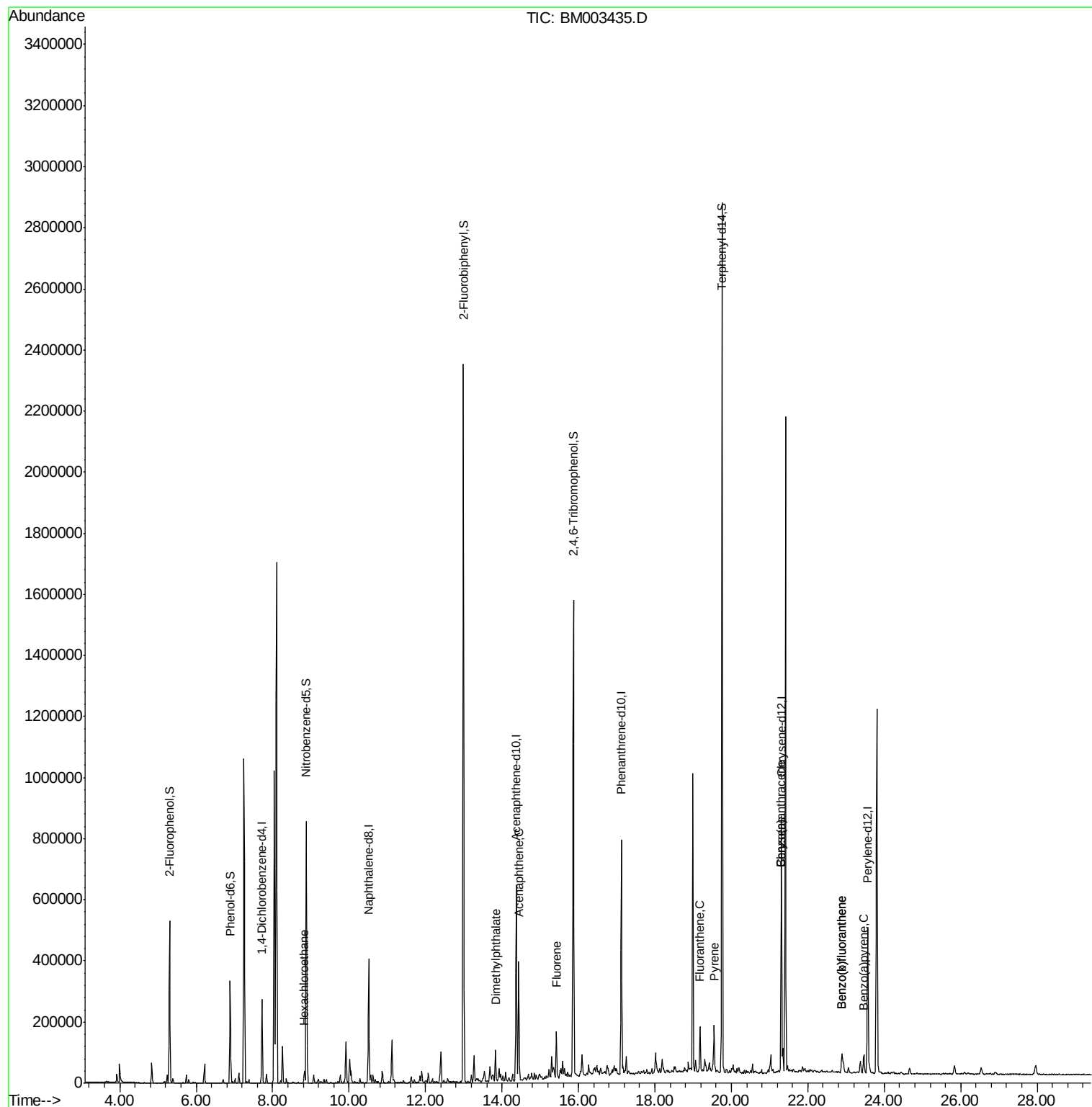
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	75626	20.00	ng	0.00
21) Naphthalene-d8	10.51	136	350836	20.00	ng	0.00
38) Acenaphthene-d10	14.37	164	209153	20.00	ng	0.00
63) Phenanthrene-d10	17.12	188	438850	20.00	ng	0.00
75) Chrysene-d12	21.32	240	375942	20.00	ng	0.00
86) Perylene-d12	23.57	264	334968	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	242659	57.05	ng	0.00
7) Phenol-d6	6.89	99	201773	34.16	ng	0.00
23) Nitrobenzene-d5	8.88	82	494516	87.40	ng	0.00
41) 2,4,6-Tribromophenol	15.87	330	275182	131.74	ng	0.00
44) 2-Fluorobiphenyl	12.99	172	1259019	82.01	ng	0.00
78) Terphenyl-d14	19.76	244	1243852	78.03	ng	0.00
Target Compounds						
18) Hexachloroethane	8.82	117	5075	2.42	ng	Qvalue # 1
49) Dimethylphthalate	13.83	163	65246	3.79	ng	98
51) Acenaphthene	14.43	154	143773	10.92	ng	100
57) Fluorene	15.42	166	64840	4.11	ng	99
74) Fluoranthene	19.19	202	82525	3.25	ng	98
77) Pyrene	19.54	202	90516	3.43	ng	100
80) Benzo(a)anthracene	21.30	228	49021	2.17	ng	97
82) Chrysene	21.30	228	46512	2.14	ng	97
87) Benzo(b)fluoranthene	22.89	252	75354	3.70	ng	98
88) Benzo(k)fluoranthene	22.89	252	75708	3.81	ng	96
89) Benzo(a)pyrene	23.47	252	46125	2.41	ng	# 96

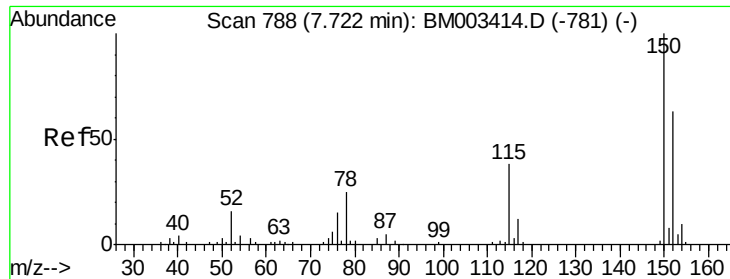
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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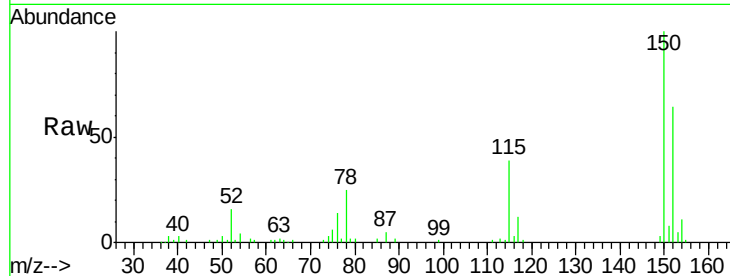




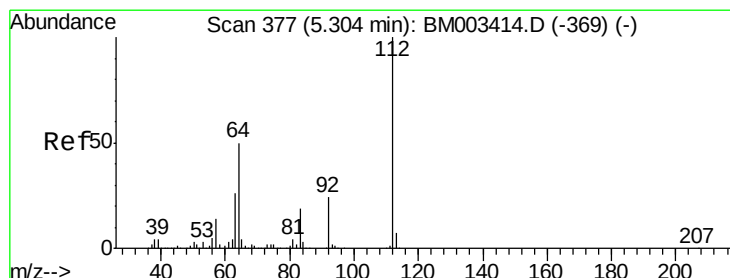
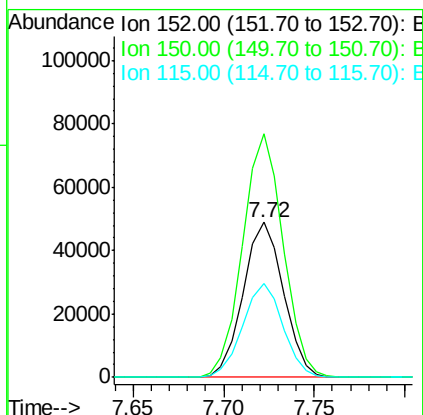
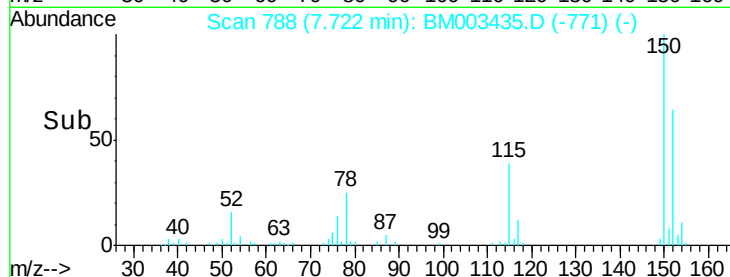
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BM003435.D
 Acq: 10 Dec 2015 04:42

Instrument :
 BNA_M
 ClientSampleId :
 20151130-MGP214-BRV114

Tgt Ion:152 Resp: 75626
 Ion Ratio Lower Upper
 152 100
 150 157.4 119.5 179.3
 115 60.7 43.0 64.4

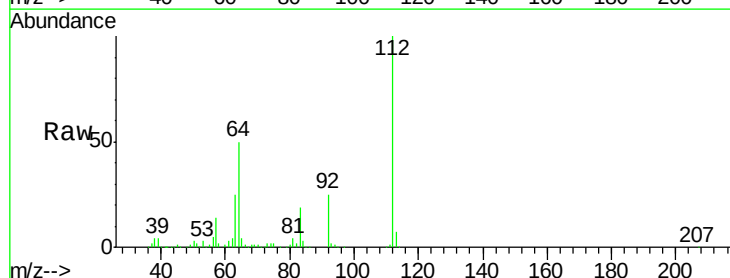


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

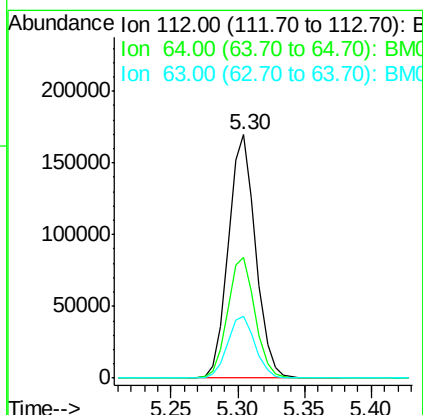
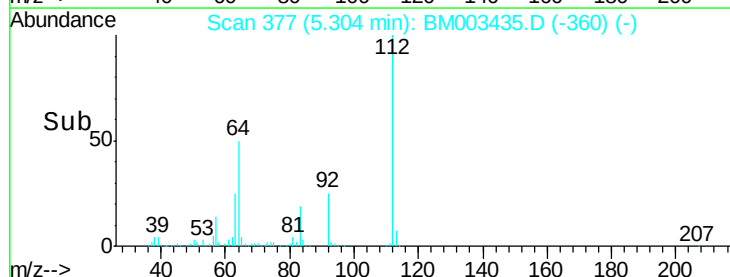


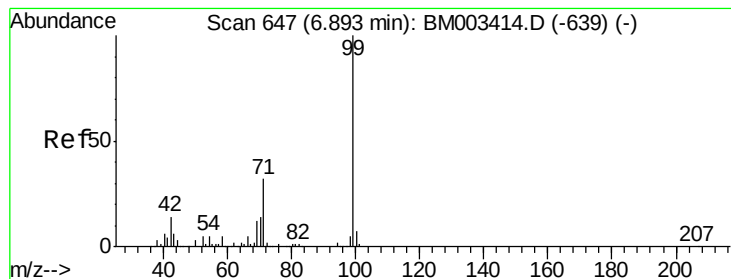
#5
 2-Fluorophenol
 Concen: 57.05 ng
 RT: 5.30 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: BM003435.D
 Acq: 10 Dec 2015 04:42

Tgt Ion:112 Resp: 242659
 Ion Ratio Lower Upper
 112 100
 64 49.5 38.6 57.8
 63 25.4 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: 34.16 ng

RT: 6.89 min Scan# 646

Delta R.T. -0.01 min

Lab File: BM003435.D

Acq: 10 Dec 2015 04:42

Instrument :

BNA_M

ClientSampleId :

20151130-MGP214-BRV114

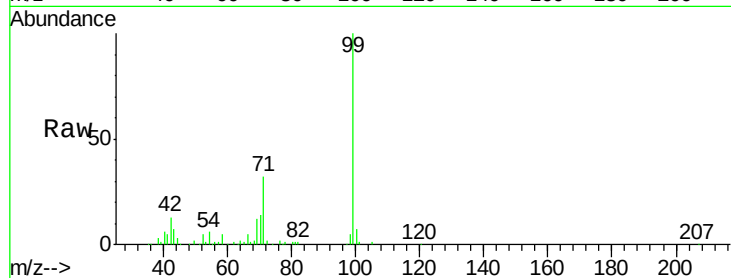
Tgt Ion: 99 Resp: 201773

Ion Ratio Lower Upper

99 100

42 13.2 11.0 16.4

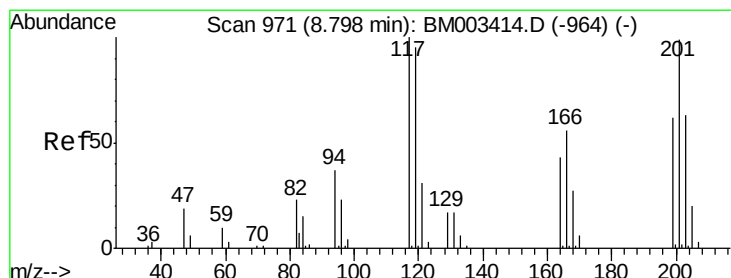
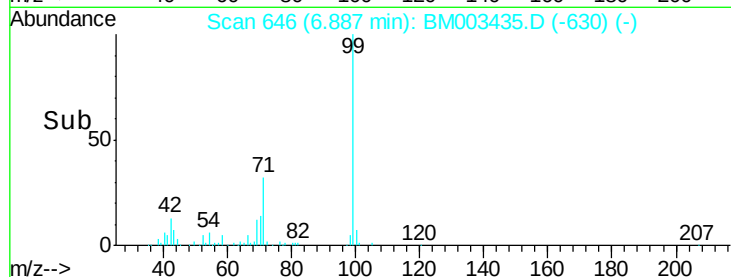
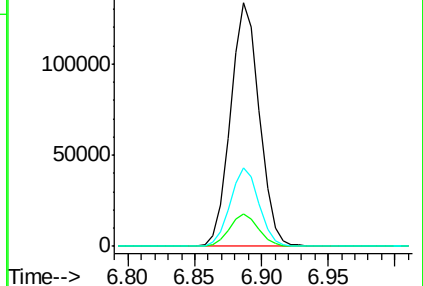
71 32.0 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM003414.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM003414.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM003414.D (-639) (-)



#18

Hexachloroethane

Concen: 2.42 ng

RT: 8.82 min Scan# 975

Delta R.T. 0.02 min

Lab File: BM003435.D

Acq: 10 Dec 2015 04:42

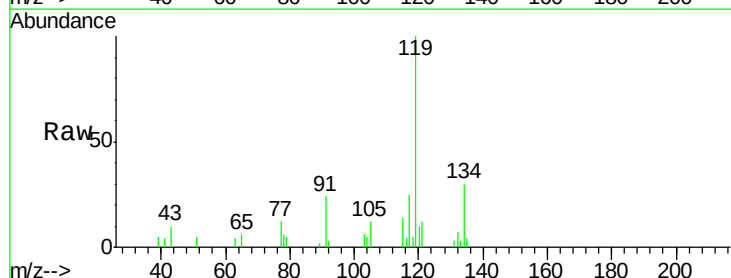
Tgt Ion: 117 Resp: 5075

Ion Ratio Lower Upper

117 100

119 398.9 79.2 118.8#

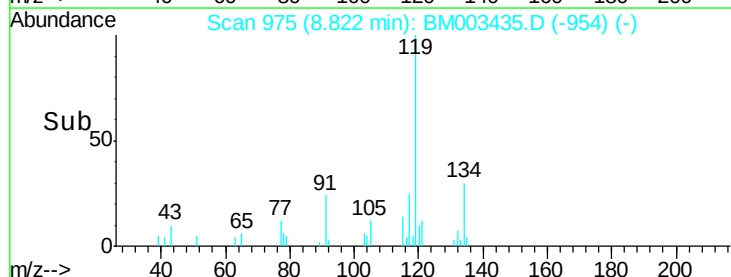
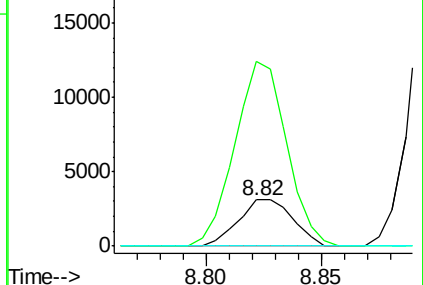
201 0.0 69.8 104.6#

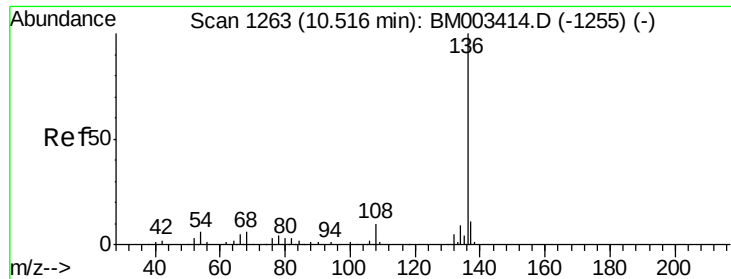


Abundance Ion 117.00 (116.70 to 117.70): BM003414.D (-964) (-)

Ion 119.00 (118.70 to 119.70): BM003414.D (-964) (-)

Ion 201.00 (200.70 to 201.70): BM003414.D (-964) (-)

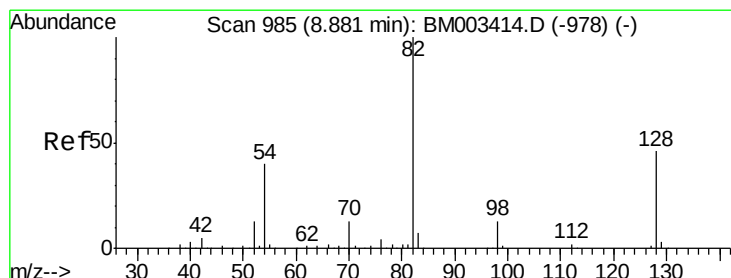
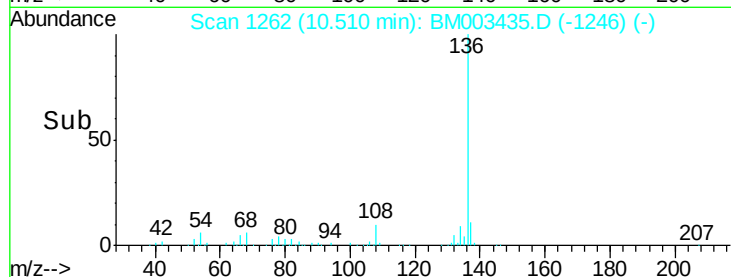
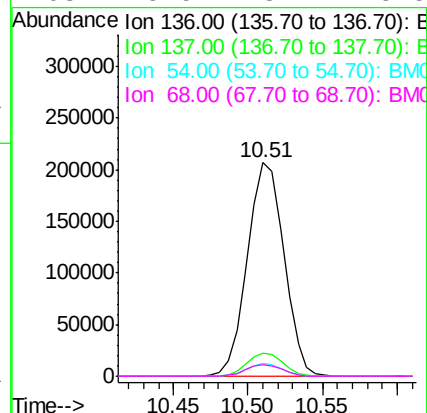
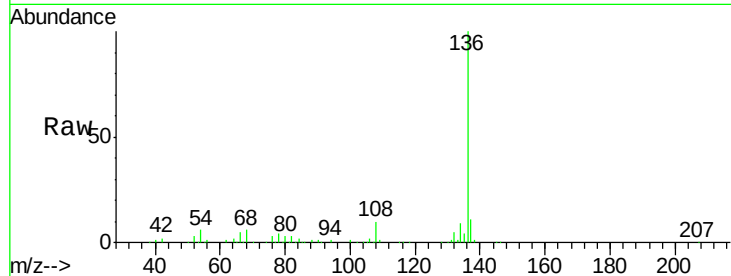




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.51 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BM003435.D
Acq: 10 Dec 2015 04:42

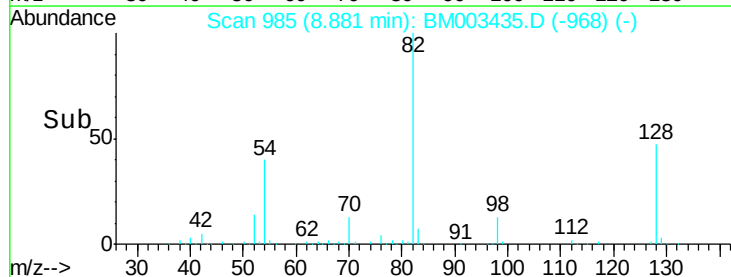
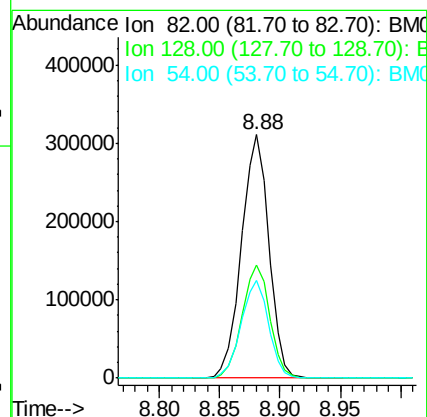
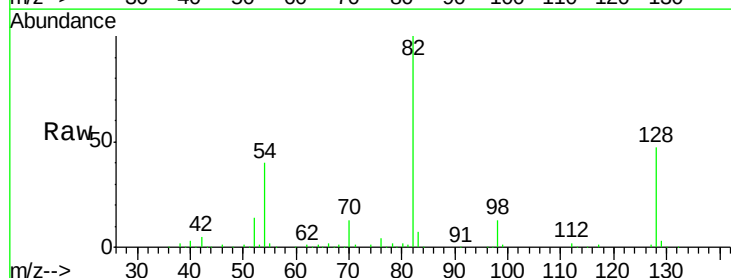
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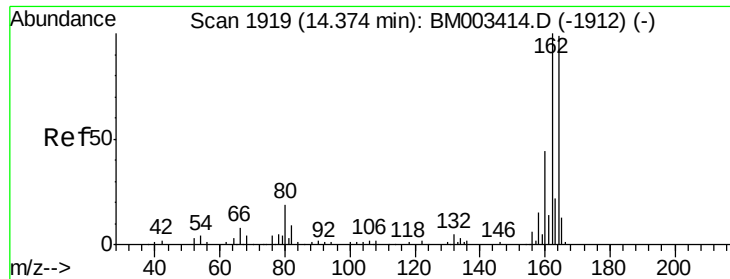
Tgt Ion:	136	Resp:	350836
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	5.8	4.6	6.8
68	5.5	3.7	5.5#



#23
Nitrobenzene-d5
Concen: 87.40 ng
RT: 8.88 min Scan# 985
Delta R.T. 0.00 min
Lab File: BM003435.D
Acq: 10 Dec 2015 04:42

Tgt Ion:	82	Resp:	494516
Ion	Ratio	Lower	Upper
82	100		
128	46.6	32.8	49.2
54	40.1	40.6	60.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.37 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM003435.D

Acq: 10 Dec 2015 04:42

Instrument :

BNA_M

ClientSampleId :

20151130-MGP214-BRV114

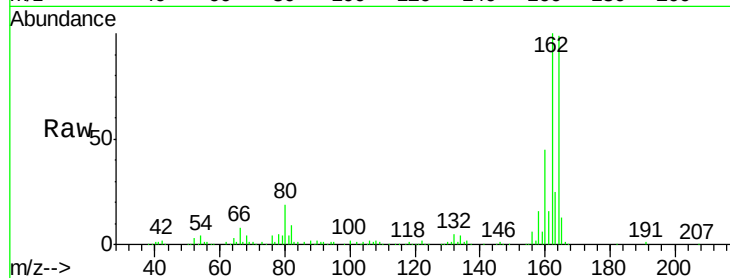
Tgt Ion:164 Resp: 209153

Ion Ratio Lower Upper

164 100

162 101.3 82.4 123.6

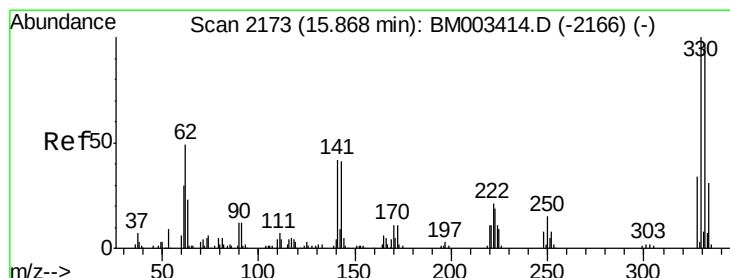
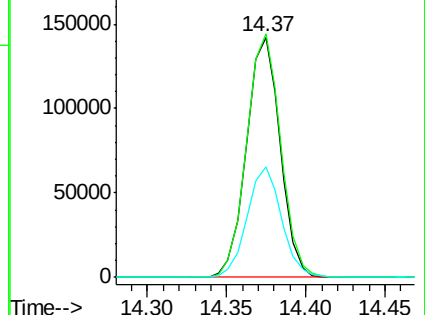
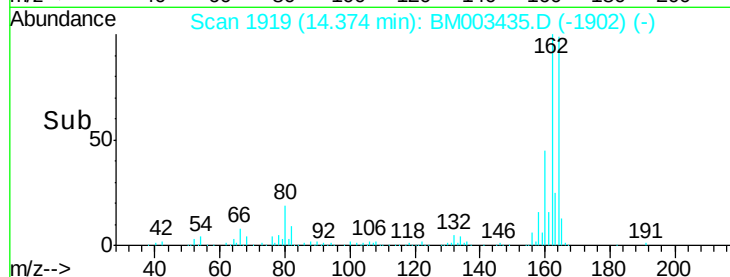
160 45.8 35.8 53.6



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: 131.74 ng

RT: 15.87 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BM003435.D

Acq: 10 Dec 2015 04:42

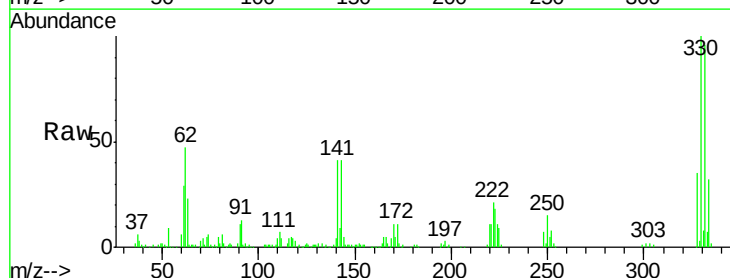
Tgt Ion:330 Resp: 275182

Ion Ratio Lower Upper

330 100

332 97.0 0.0 0.0#

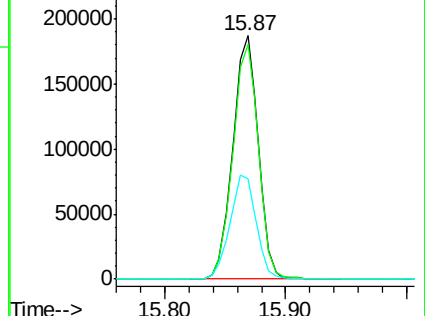
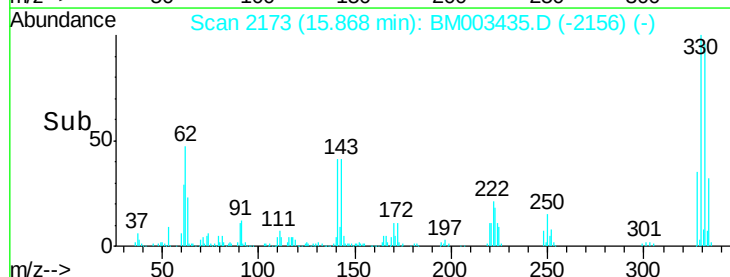
141 44.2 0.0 0.0#

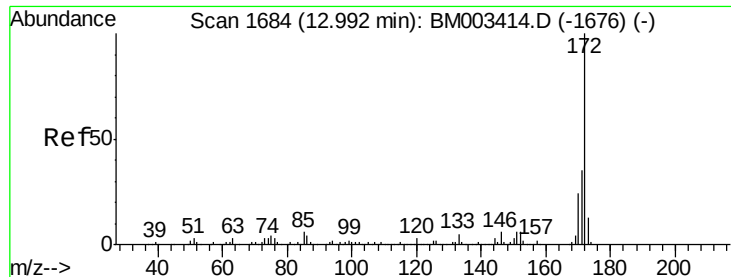


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

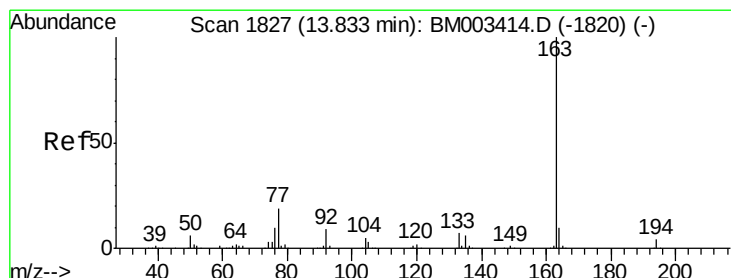
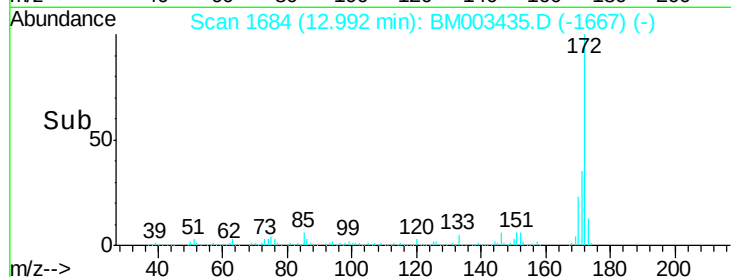
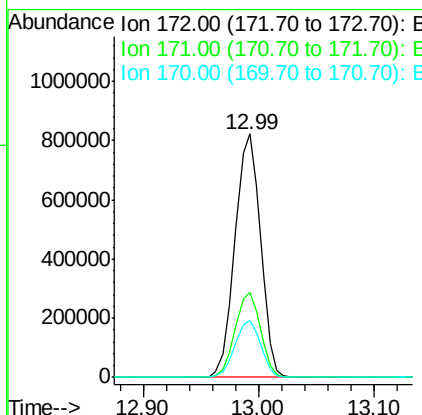
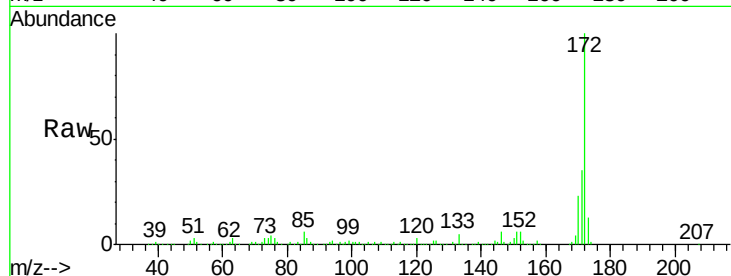




#44
2-Fluorobiphenyl
Concen: 82.01 ng
RT: 12.99 min Scan# 1684
Delta R.T. 0.00 min
Lab File: BM003435.D
Acq: 10 Dec 2015 04:42

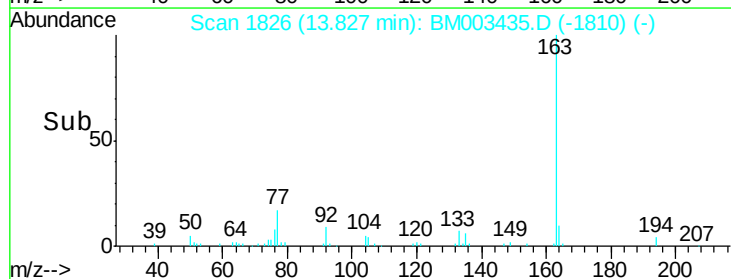
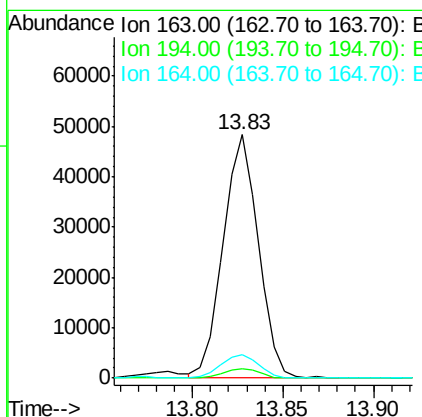
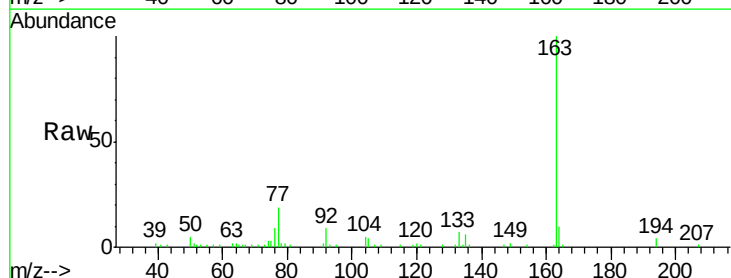
Instrument :
BNA_M
ClientSampleId :
20151130-MGP214-BRV114

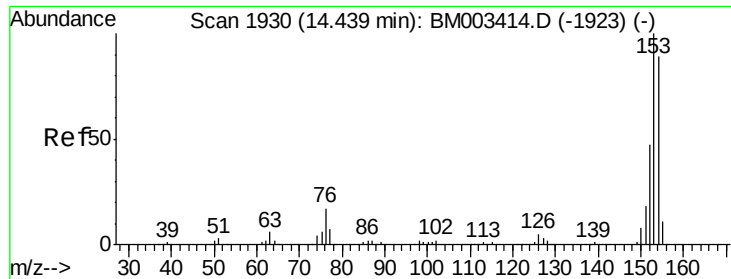
Tgt Ion:172 Resp: 1259019
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.5 18.8 28.2



#49
Dimethylphthalate
Concen: 3.79 ng
RT: 13.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BM003435.D
Acq: 10 Dec 2015 04:42

Tgt Ion:163 Resp: 65246
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.6 8.2 12.2





#51

Acenaphthene

Concen: 10.92 ng

RT: 14.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BM003435.D

Acq: 10 Dec 2015 04:42

Instrument :

BNA_M

ClientSampleId :

20151130-MGP214-BRV114

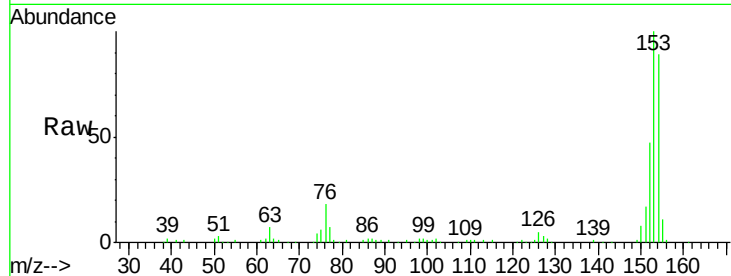
Tgt Ion:154 Resp: 143773

Ion Ratio Lower Upper

154 100

153 112.9 90.0 135.0

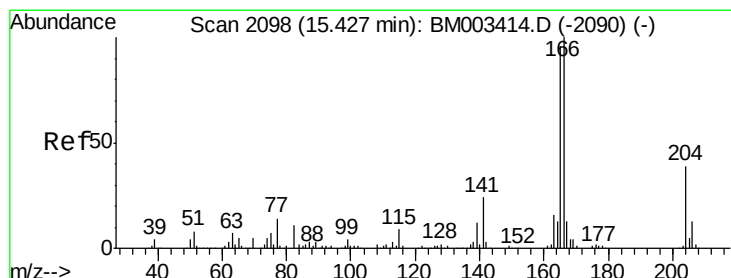
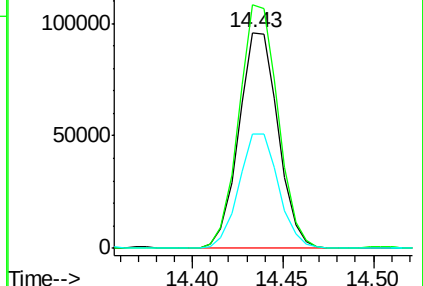
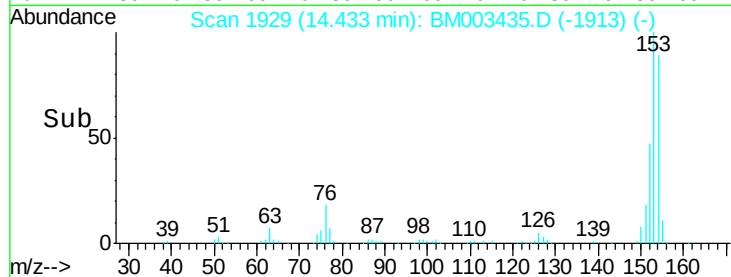
152 53.2 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 4.11 ng

RT: 15.42 min Scan# 2097

Delta R.T. -0.01 min

Lab File: BM003435.D

Acq: 10 Dec 2015 04:42

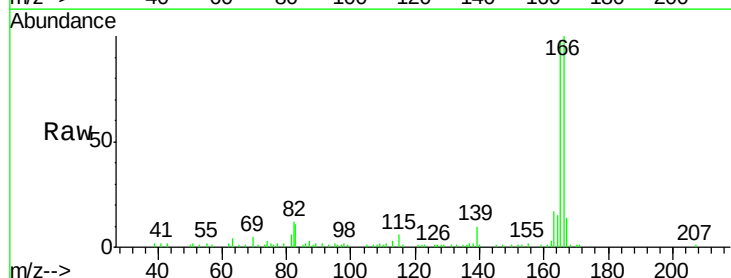
Tgt Ion:166 Resp: 64840

Ion Ratio Lower Upper

166 100

165 98.3 79.0 118.4

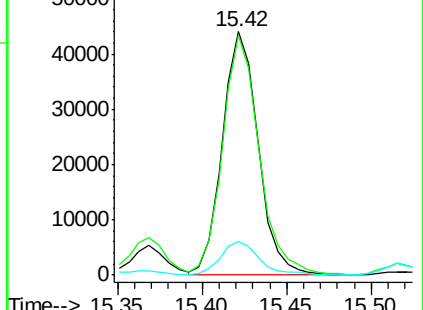
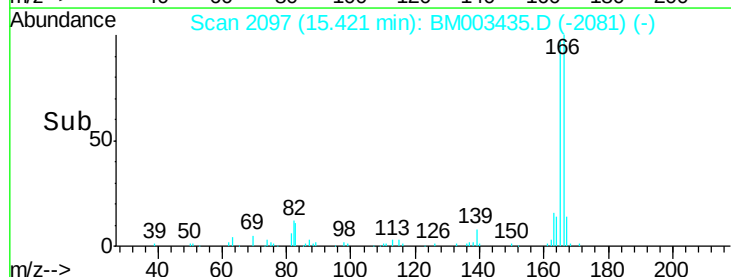
167 13.8 10.3 15.5

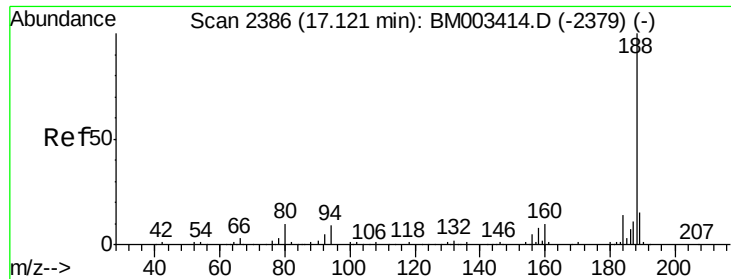


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.12 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BM003435.D

Acq: 10 Dec 2015 04:42

Instrument :

BNA_M

ClientSampleId :

20151130-MGP214-BRV114

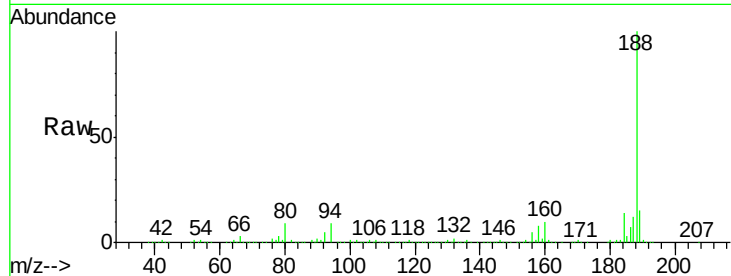
Tgt Ion:188 Resp: 438850

Ion Ratio Lower Upper

188 100

94 9.2 8.7 13.1

80 9.5 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

400000

300000

200000

100000

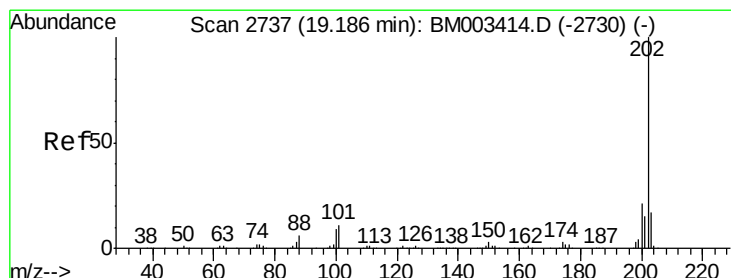
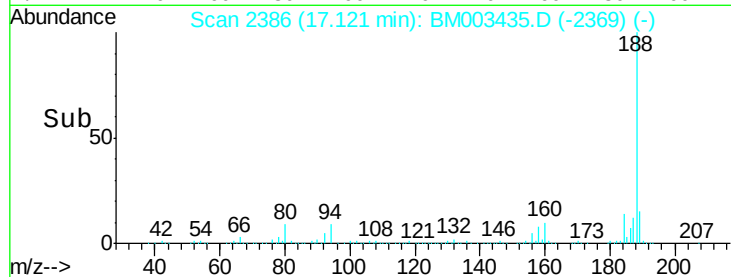
0

17.12

17.10

17.20

Time-->



#74

Fluoranthene

Concen: 3.25 ng

RT: 19.19 min Scan# 2737

Delta R.T. 0.00 min

Lab File: BM003435.D

Acq: 10 Dec 2015 04:42

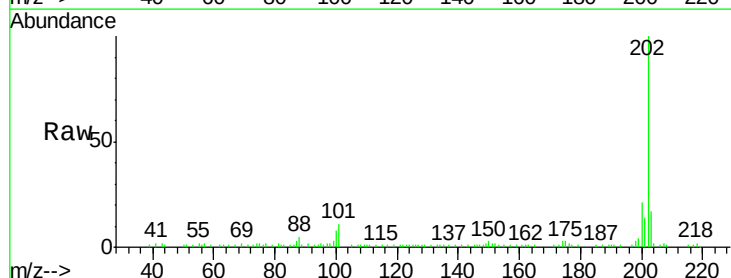
Tgt Ion:202 Resp: 82525

Ion Ratio Lower Upper

202 100

101 10.6 0.0 28.7

203 17.2 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

80000

60000

40000

20000

0

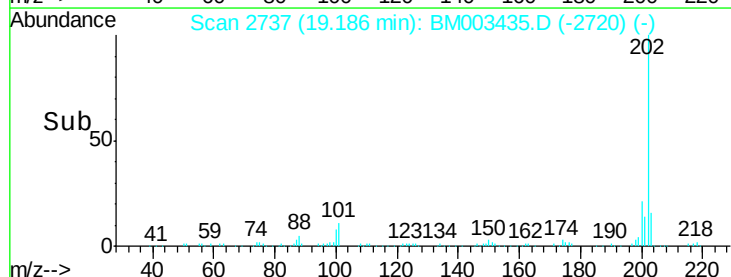
19.19

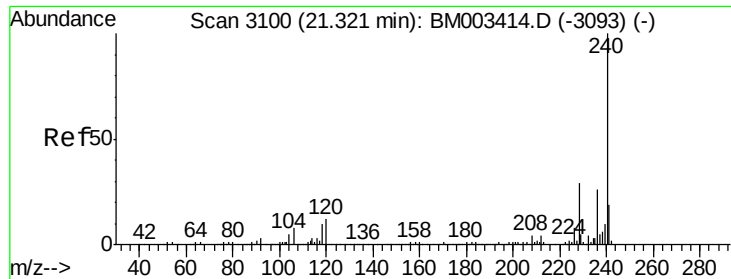
19.15

19.20

19.25

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.32 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM003435.D

Acq: 10 Dec 2015 04:42

Instrument :

BNA_M

ClientSampleId :

20151130-MGP214-BRV114

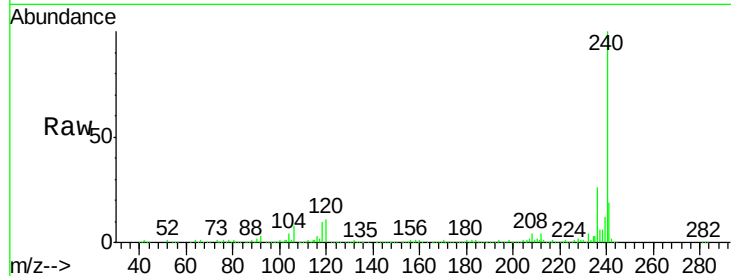
Tgt Ion:240 Resp: 375942

Ion Ratio Lower Upper

240 100

120 11.2 8.2 12.2

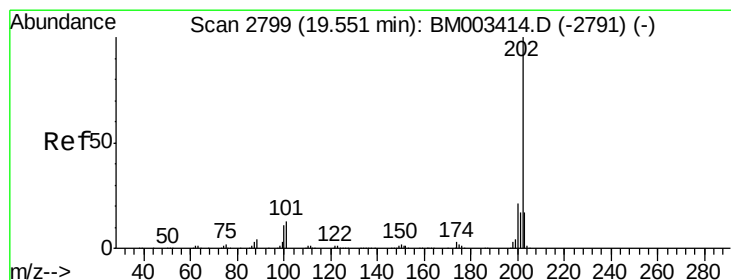
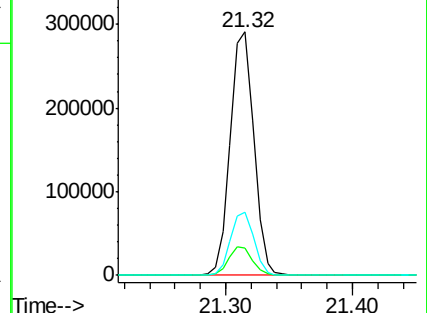
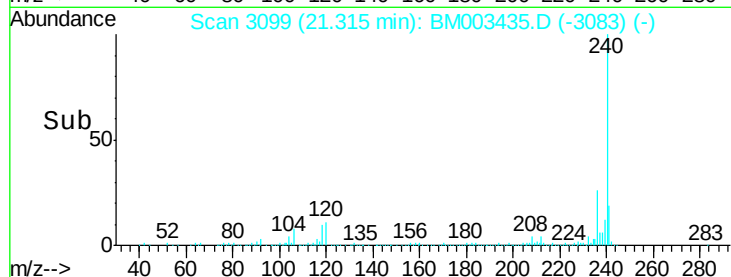
236 25.7 20.0 30.0



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



#77

Pyrene

Concen: 3.43 ng

RT: 19.54 min Scan# 2798

Delta R.T. -0.01 min

Lab File: BM003435.D

Acq: 10 Dec 2015 04:42

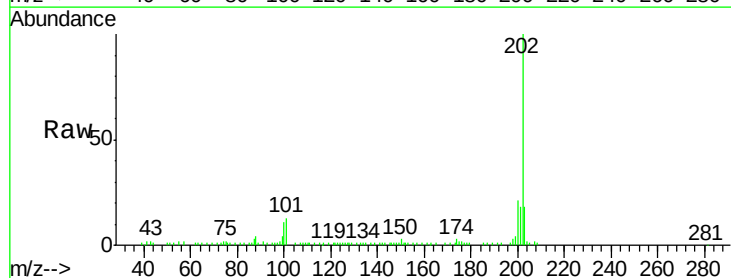
Tgt Ion:202 Resp: 90516

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

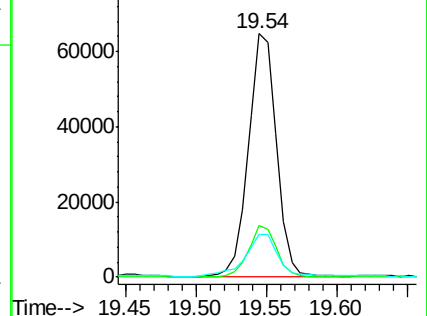
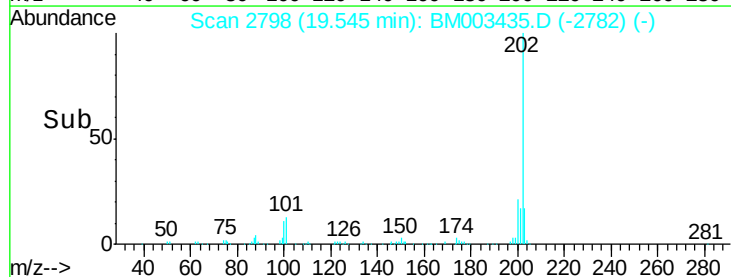
203 17.8 14.1 21.1

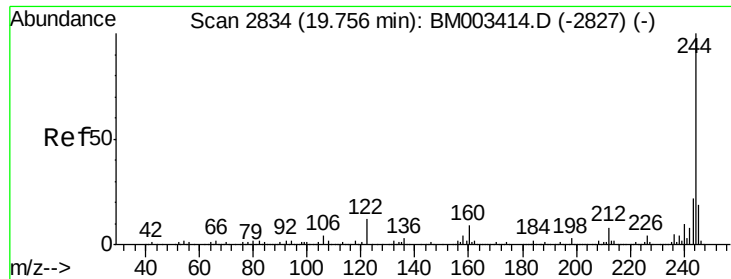


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.03 ng

RT: 19.76 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BM003435.D

Acq: 10 Dec 2015 04:42

Instrument :

BNA_M

ClientSampleId :

20151130-MGP214-BRV114

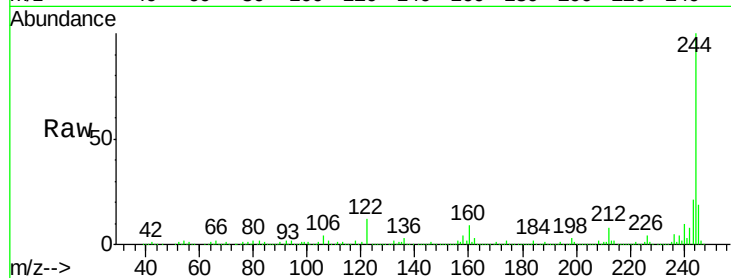
Tgt Ion:244 Resp: 1243852

Ion Ratio Lower Upper

244 100

212 8.1 4.9 7.3#

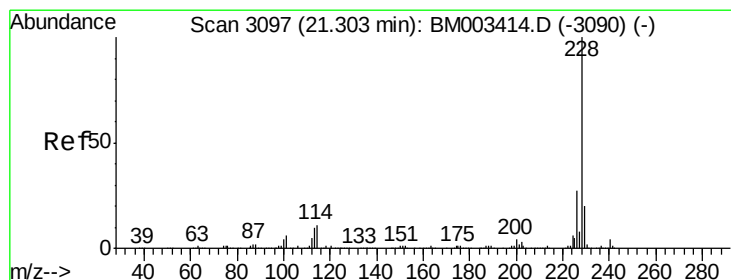
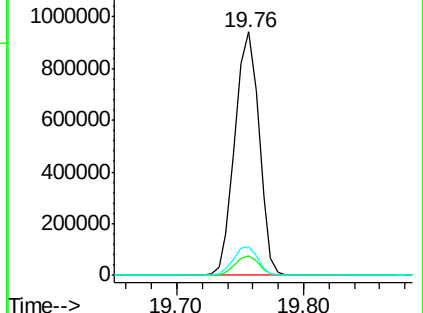
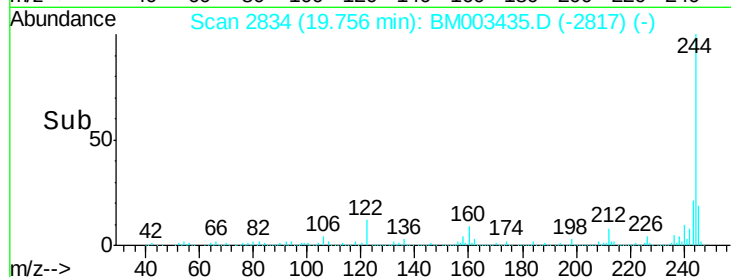
122 11.6 6.2 9.4#



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



#80

Benzo(a)anthracene

Concen: 2.17 ng

RT: 21.30 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BM003435.D

Acq: 10 Dec 2015 04:42

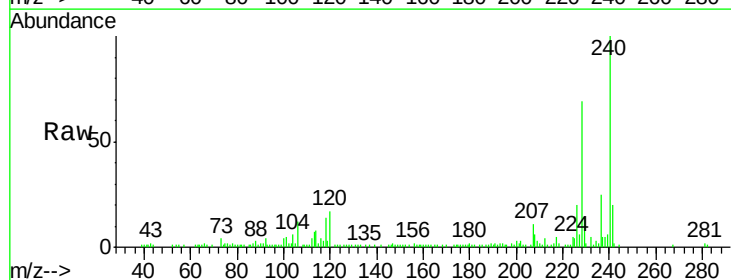
Tgt Ion:228 Resp: 49021

Ion Ratio Lower Upper

228 100

226 28.9 21.7 32.5

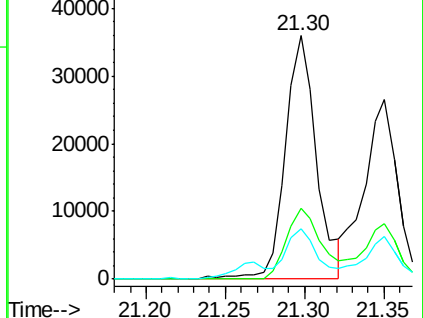
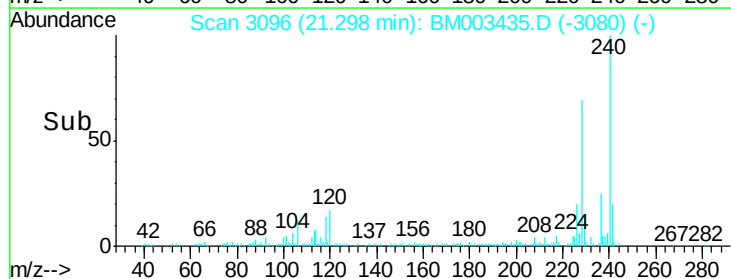
229 20.8 16.0 24.0

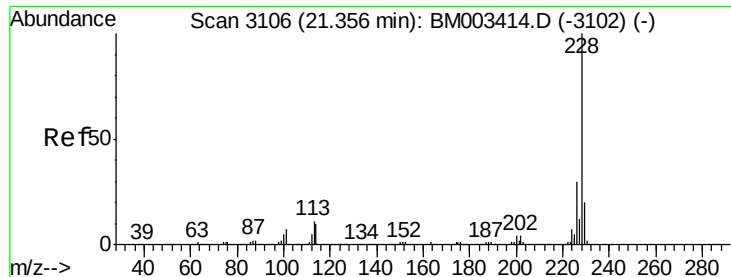


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

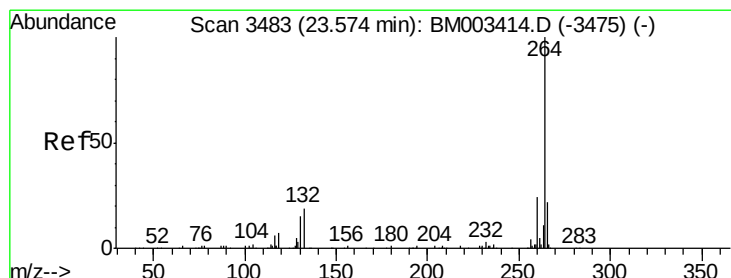
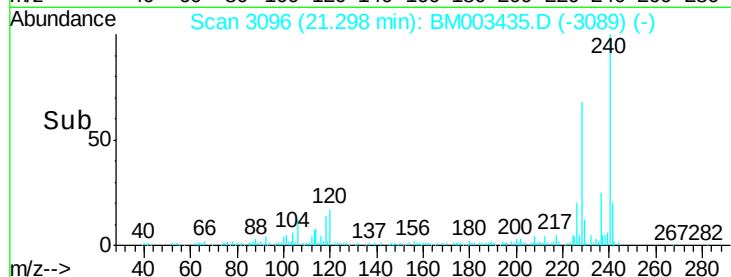
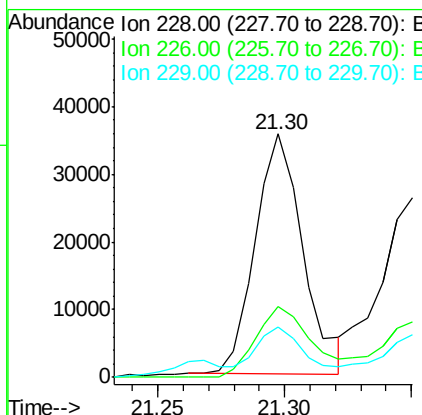
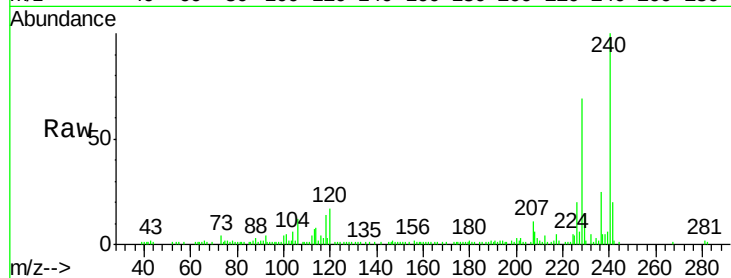




#82
Chrysene
Concen: 2.14 ng
RT: 21.30 min Scan# 3096
Delta R.T. -0.06 min
Lab File: BM003435.D
Acq: 10 Dec 2015 04:42

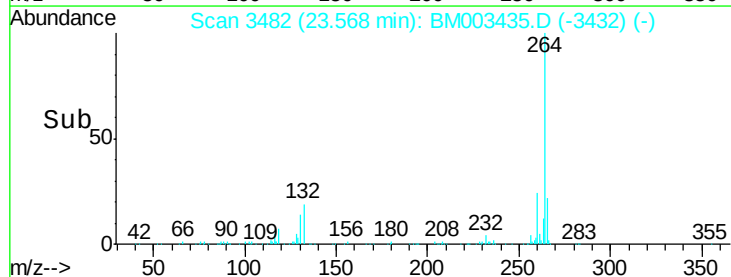
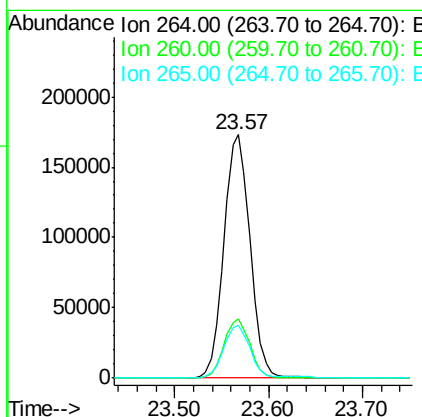
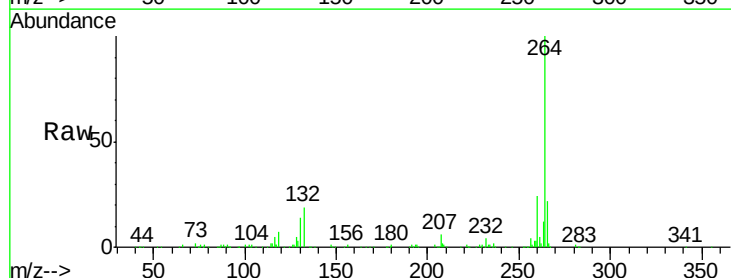
Instrument :
BNA_M
ClientSampleId :
20151130-MGP214-BRV114

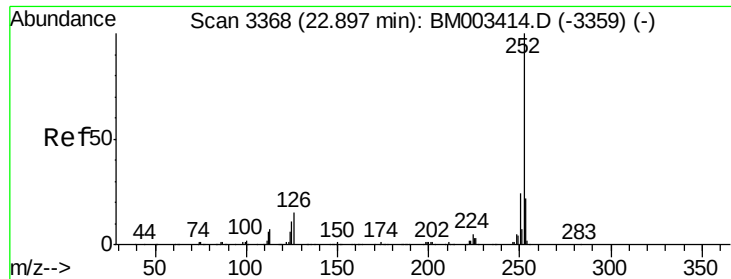
Tgt Ion:228 Resp: 46512
Ion Ratio Lower Upper
228 100
226 28.9 24.1 36.1
229 20.8 15.5 23.3



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.57 min Scan# 3482
Delta R.T. -0.01 min
Lab File: BM003435.D
Acq: 10 Dec 2015 04:42

Tgt Ion:264 Resp: 334968
Ion Ratio Lower Upper
264 100
260 24.4 18.6 27.8
265 21.7 17.3 25.9

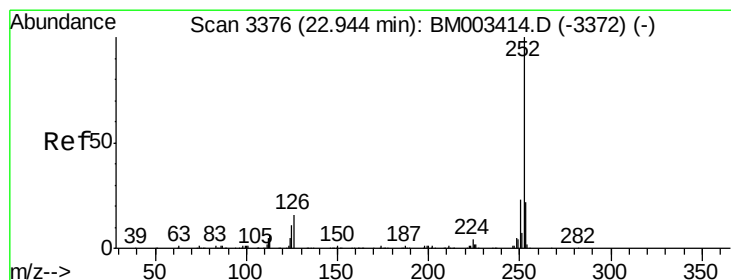
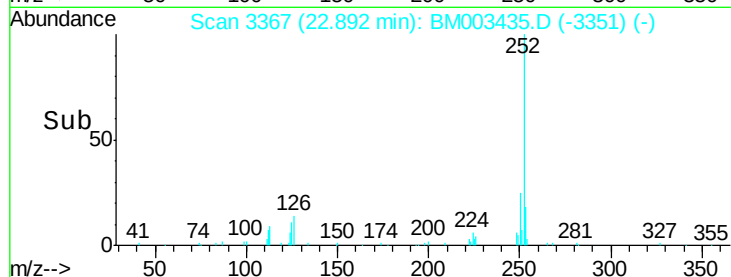
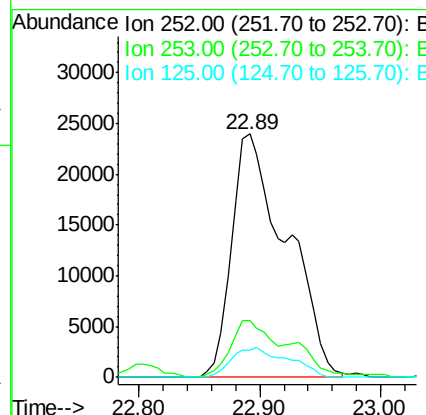
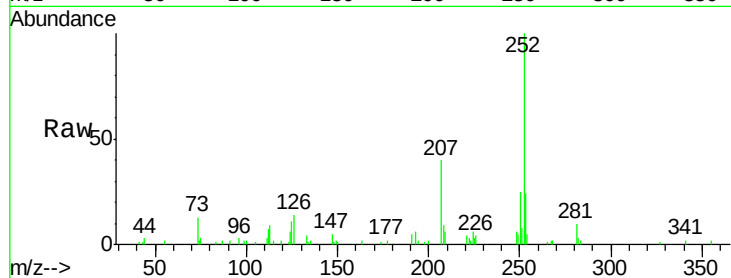




#87
Benzo(b)fluoranthene
Concen: 3.70 ng
RT: 22.89 min Scan# 3367
Delta R.T. -0.01 min
Lab File: BM003435.D
Acq: 10 Dec 2015 04:42

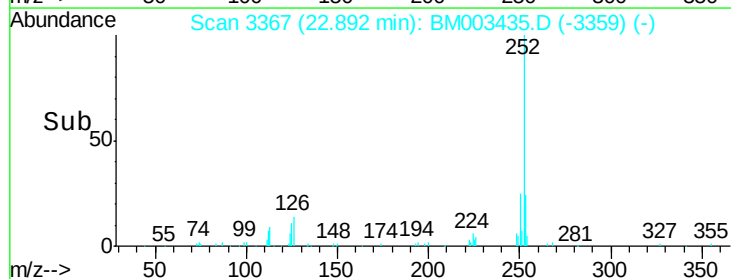
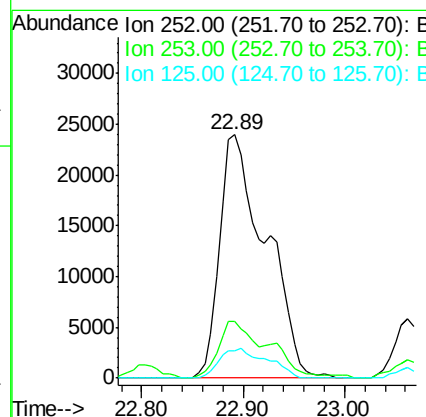
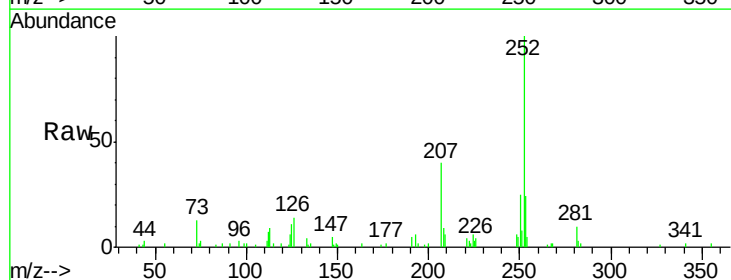
Instrument :
BNA_M
ClientSampleId :
20151130-MGP214-BRV114

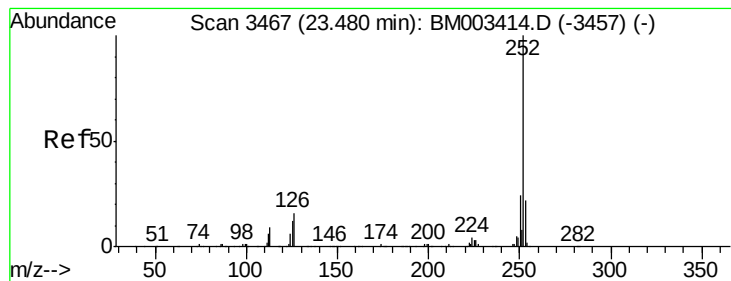
Tgt Ion:252 Resp: 75354
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 11.4 9.9 14.9



#88
Benzo(k)fluoranthene
Concen: 3.81 ng
RT: 22.89 min Scan# 3367
Delta R.T. -0.05 min
Lab File: BM003435.D
Acq: 10 Dec 2015 04:42

Tgt Ion:252 Resp: 75708
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 11.4 8.1 12.1





#89

Benzo(a)pyrene

Concen: 2.41 ng

RT: 23.47 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BM003435.D

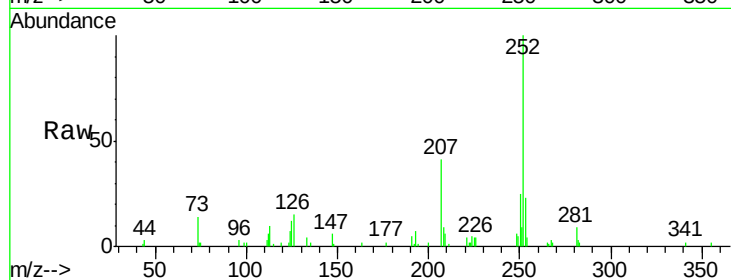
Acq: 10 Dec 2015 04:42

Instrument :

BNA_M

ClientSampleId :

20151130-MGP214-BRV114



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	11.9	7.4	11.2#

