

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071817\
 Data File : BM010886.D
 Acq On : 19 Jul 2017 00:30
 Operator : SJ/JU
 Sample : I4199-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 3578-CC7

Quant Time: Jul 19 06:19:54 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	7.44	152	273715	20.00	ng	-0.01
21) Naphthalene-d8	10.20	136	1105875	20.00	ng	-0.01
38) Acenaphthene-d10	14.09	164	733955	20.00	ng	0.00
63) Phenanthrene-d10	16.84	188	1729334	20.00	ng	0.00
75) Chrysene-d12	21.06	240	1698066	20.00	ng	0.00
86) Perylene-d12	23.19	264	1470554	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.08	112	1002442	60.67	ng	0.00
7) Phenol-d6	6.63	99	847436	37.20	ng	0.00
23) Nitrobenzene-d5	8.59	82	2691047	93.53	ng	0.00
41) 2,4,6-Tribromophenol	15.60	330	1764272	157.30	ng	0.00
44) 2-Fluorobiphenyl	12.70	172	5999314	101.69	ng	0.00
78) Terphenyl-d14	19.51	244	8479283	96.58	ng	0.00

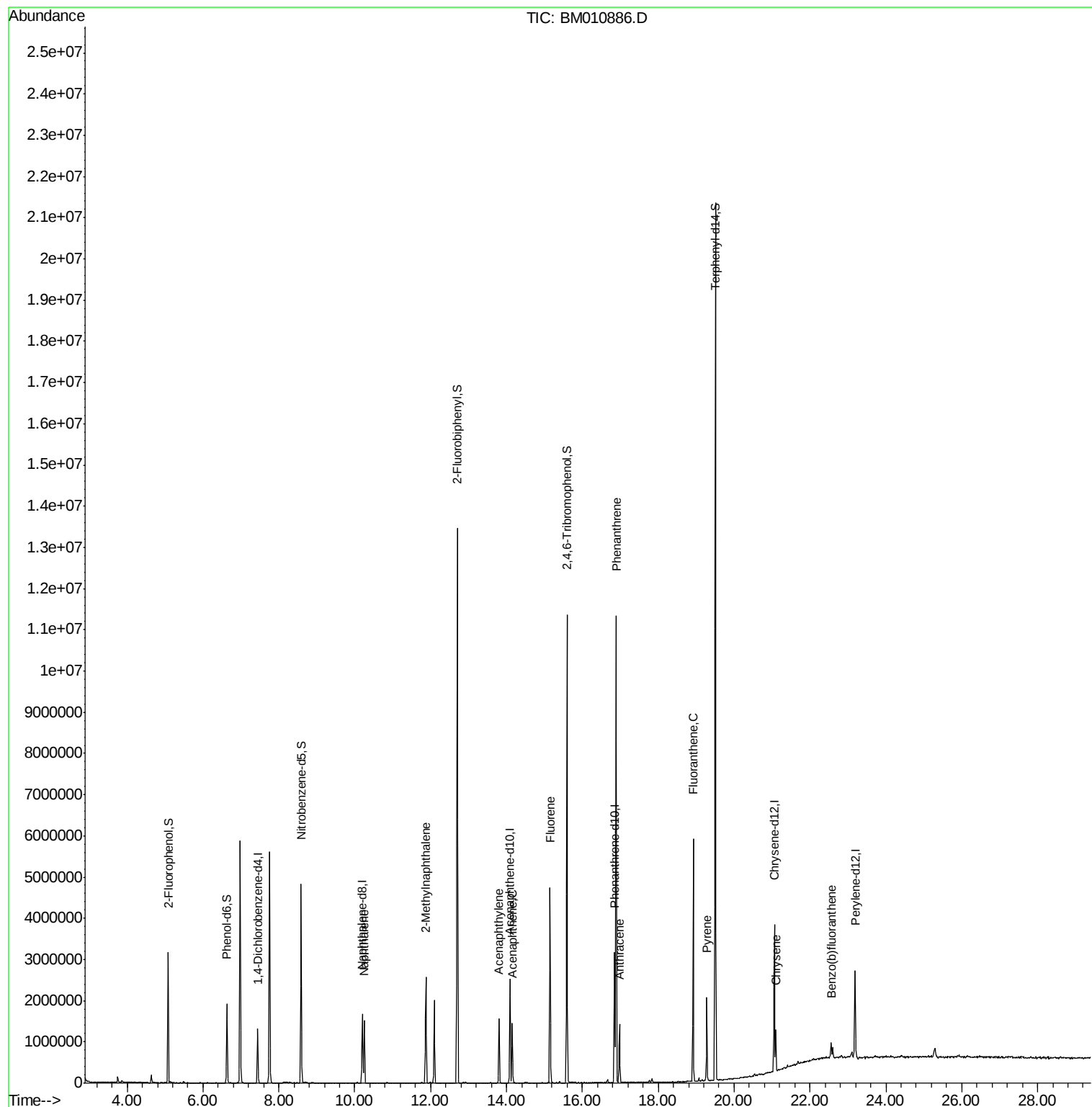
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.25	128	1012141	18.000	ng	99
37) 2-Methylnaphthalene	11.87	142	1014648	25.122	ng	# 90
48) Acenaphthylene	13.81	152	979630	14.048	ng	99
51) Acenaphthene	14.16	154	469824	11.026	ng	98
57) Fluorene	15.15	166	1919278	32.392	ng	97
70) Phenanthrene	16.89	178	6178291	68.675	ng	99
71) Anthracene	16.98	178	805785	9.023	ng	98
74) Fluoranthene	18.92	202	3471452	31.157	ng	97
77) Pyrene	19.28	202	1193921	12.128	ng	99
82) Chrysene	21.10	228	488919	5.218	ng	98
87) Benzo(b)fluoranthene	22.56	252	240626	2.576	ng	# 91

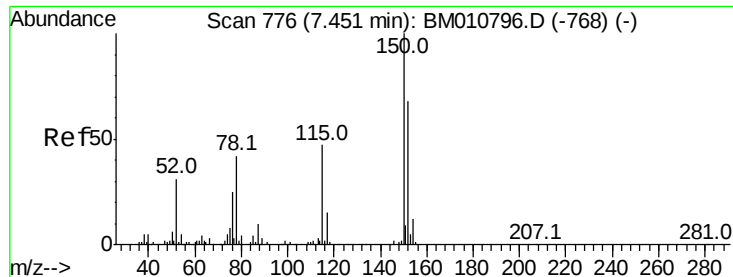
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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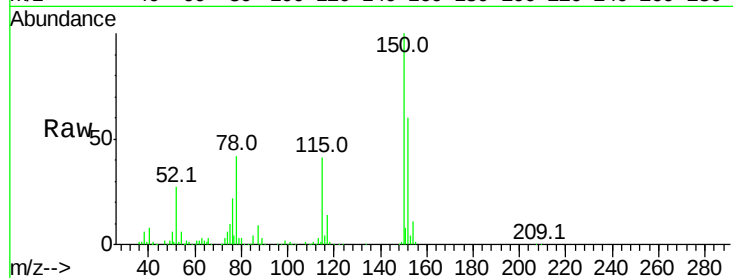


#1

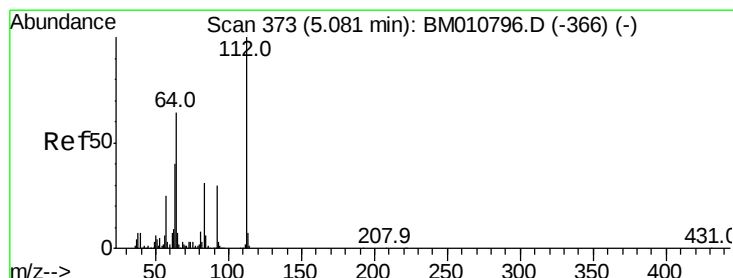
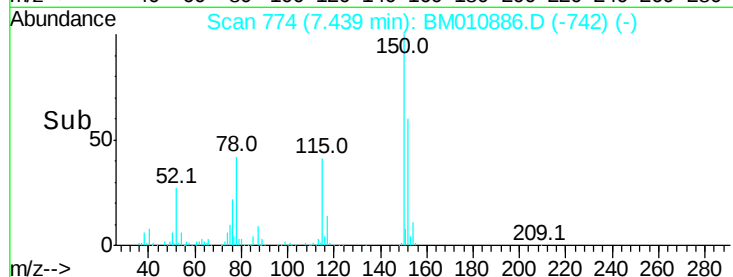
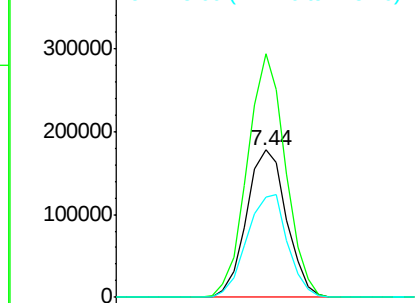
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.44 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM010886.D
Acq: 19 Jul 2017 00:30

Instrument :
BNA_M
ClientSampleId :
3578-CC7

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.5	119.5	179.3
115	68.3	43.0	64.4



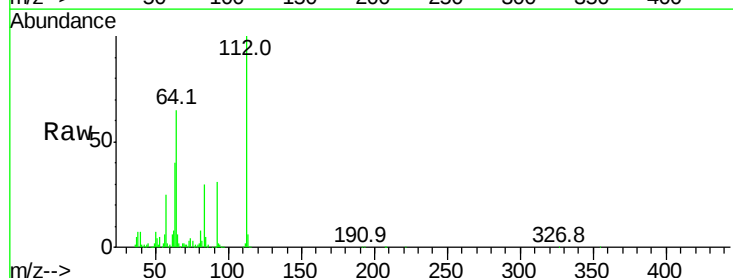
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



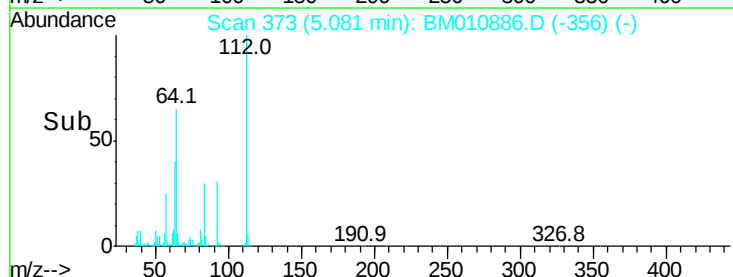
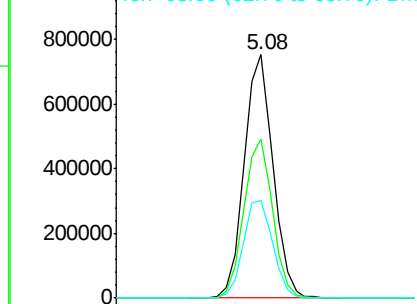
#5

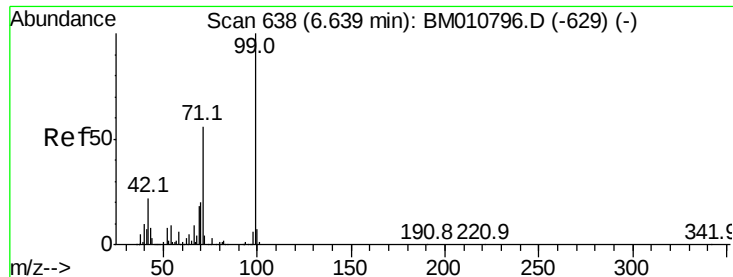
2-Fluorophenol
Concen: 60.667 ng
RT: 5.08 min Scan# 373
Delta R.T. 0.00 min
Lab File: BM010886.D
Acq: 19 Jul 2017 00:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	38.6	57.8
63	40.2	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: 37.202 ng

RT: 6.63 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

BNA_M

ClientSampleId :

3578-CC7

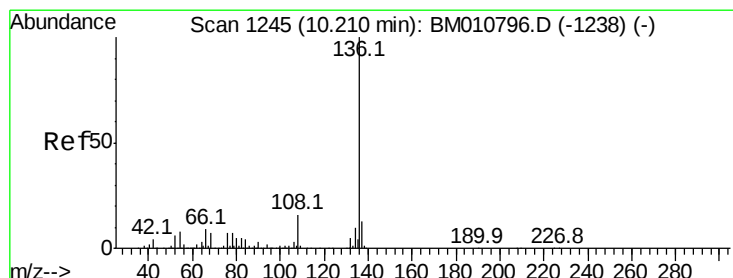
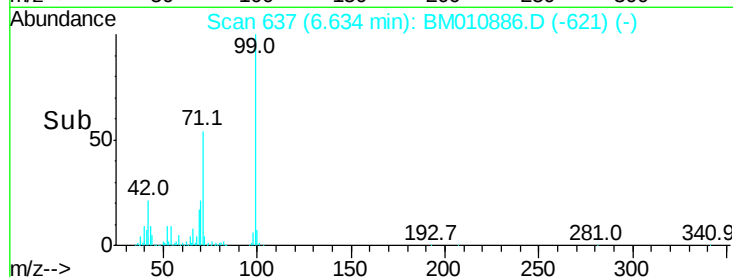
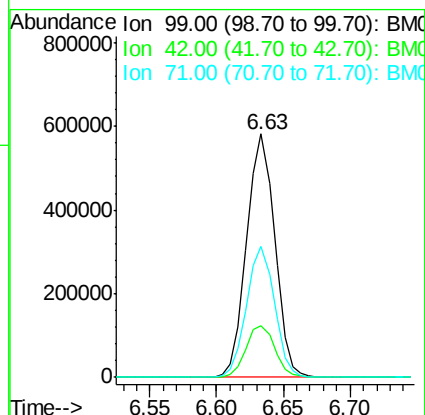
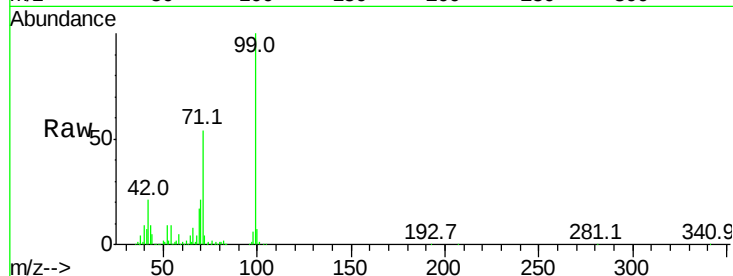
Tot Ion: 99 Resp: 847436

Ion Ratio Lower Upper

99 100

42 21.4 11.0 16.4#

71 53.7 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.20 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Tgt Ion: 136 Resp: 1105875

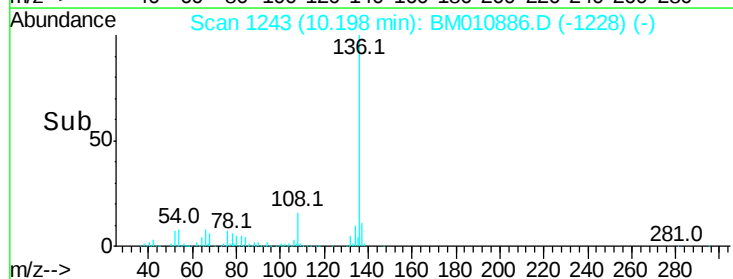
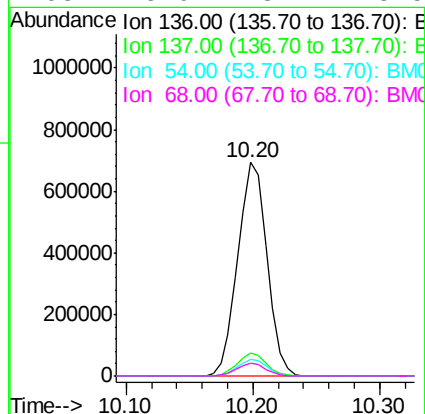
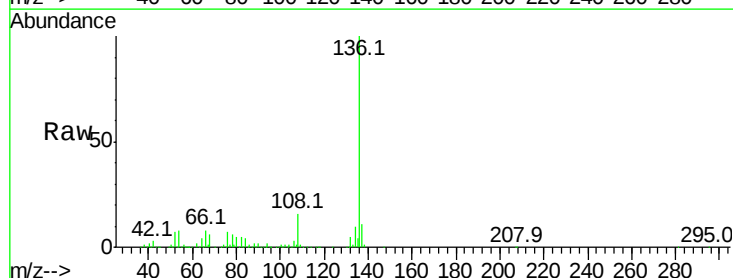
Ion Ratio Lower Upper

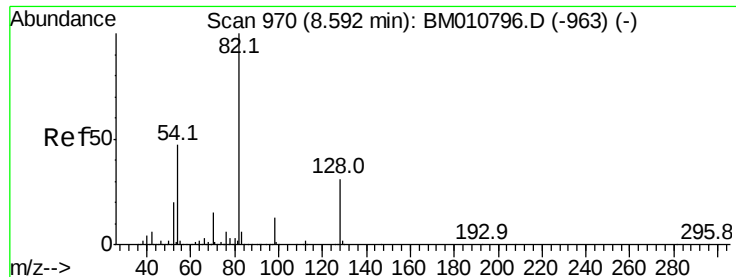
136 100

137 10.6 8.7 13.1

54 8.1 4.6 6.8#

68 5.9 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 93.534 ng

RT: 8.59 min Scan# 969

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

BNA_M

ClientSampleId :

3578-CC7

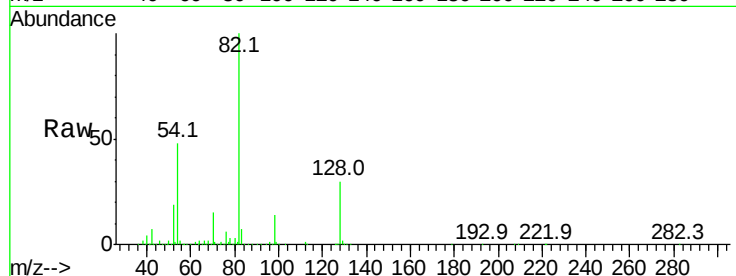
Tot Ion: 82 Resp: 2691047

Ion Ratio Lower Upper

82 100

128 30.4 32.8 49.2#

54 47.9 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM010796.D (-963) (-)

Ion 128.00 (127.70 to 128.70): BM010796.D (-963) (-)

Ion 54.00 (53.70 to 54.70): BM010796.D (-963) (-)

8.59

1500000

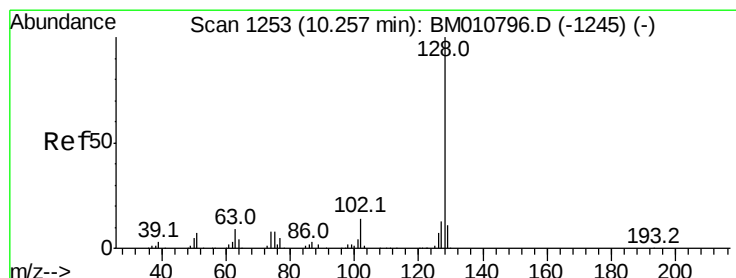
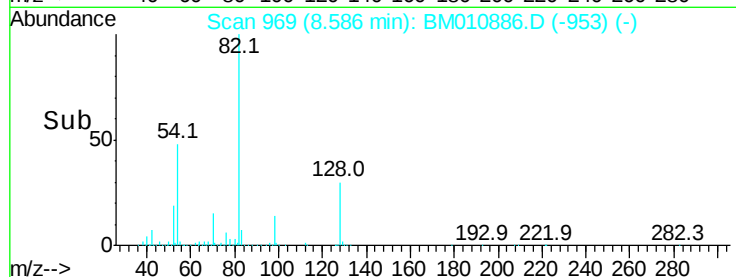
1000000

500000

0

Time-->

8.50 8.55 8.60 8.65 8.70



#31

Naphthalene

Concen: 18.000 ng

RT: 10.25 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

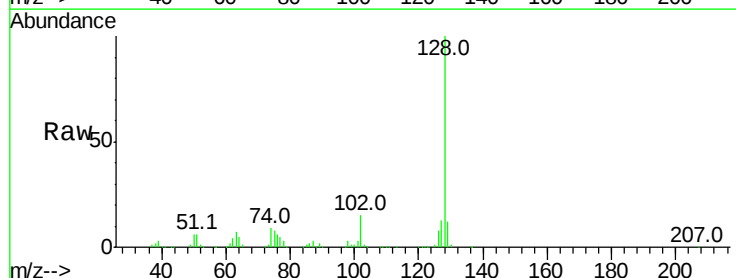
Tgt Ion: 128 Resp: 1012141

Ion Ratio Lower Upper

128 100

129 12.0 8.9 13.3

127 12.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): BM010796.D (-1245) (-)

Ion 129.00 (128.70 to 129.70): BM010796.D (-1245) (-)

Ion 127.00 (126.70 to 127.70): BM010796.D (-1245) (-)

10.25

800000

600000

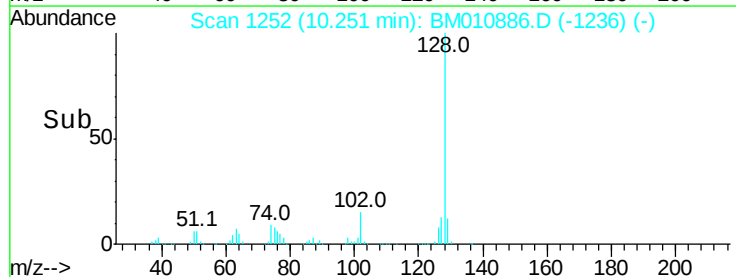
400000

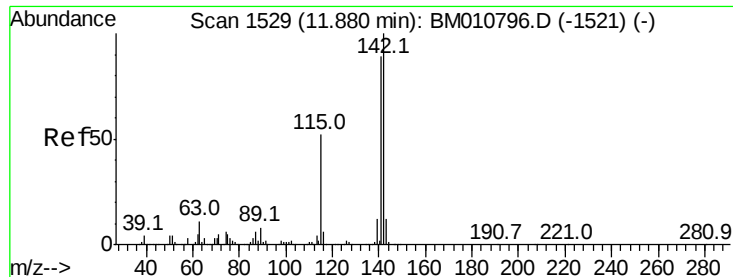
200000

0

Time-->

10.20 10.25 10.30

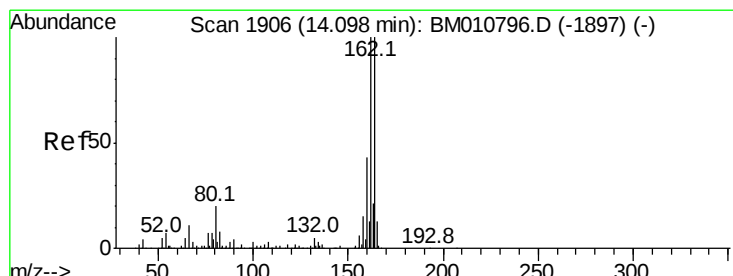
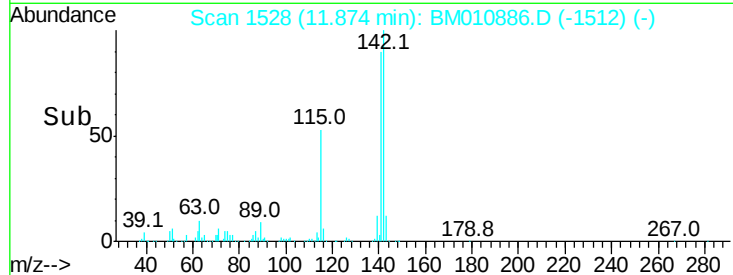
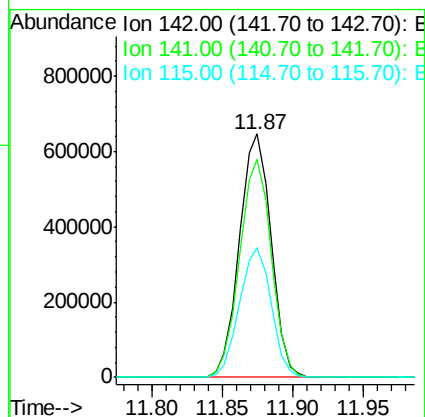
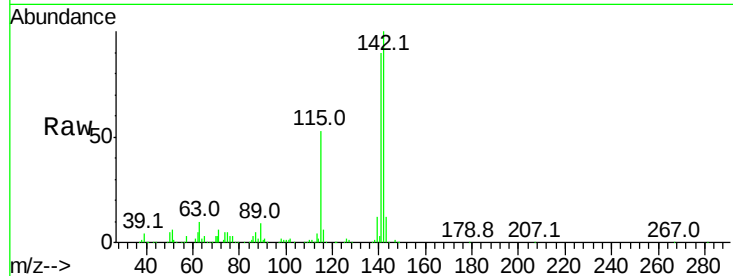




#37
 2-Methylnaphthalene
 Concen: 25.122 ng
 RT: 11.87 min Scan# 1528
 Delta R.T. -0.01 min
 Lab File: BM010886.D
 Acq: 19 Jul 2017 00:30

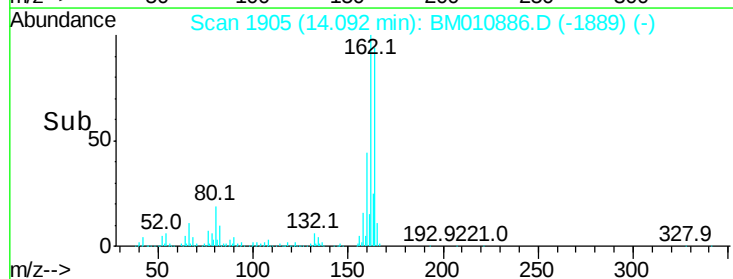
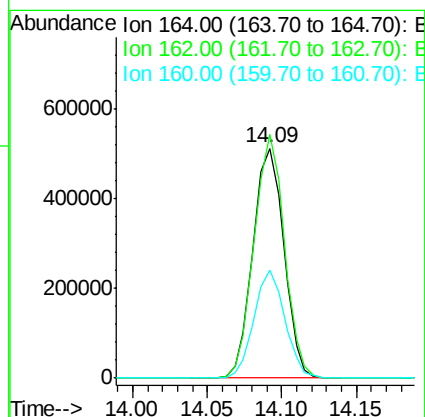
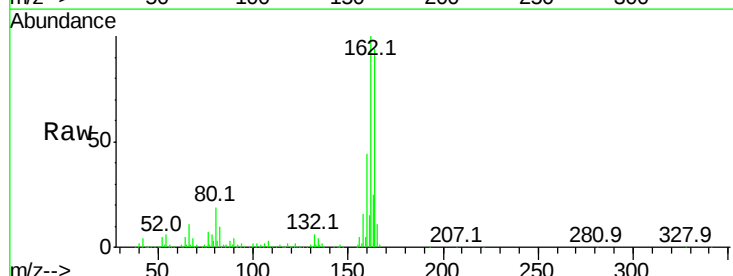
Instrument :
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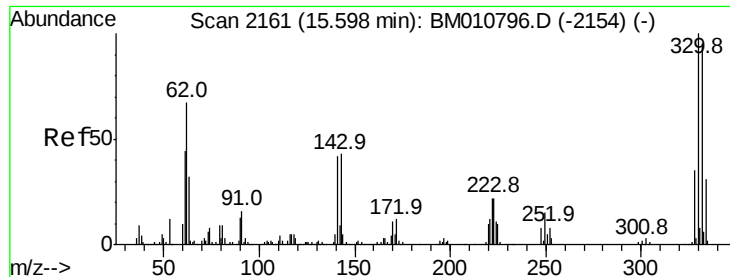
Tot Ion:142 Resp: 1014648
 Ion Ratio Lower Upper
 142 100
 141 89.6 71.9 107.9
 115 53.0 25.4 38.0#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.09 min Scan# 1905
 Delta R.T. -0.01 min
 Lab File: BM010886.D
 Acq: 19 Jul 2017 00:30

Tgt Ion:164 Resp: 733955
 Ion Ratio Lower Upper
 164 100
 162 106.1 82.4 123.6
 160 46.9 35.8 53.6

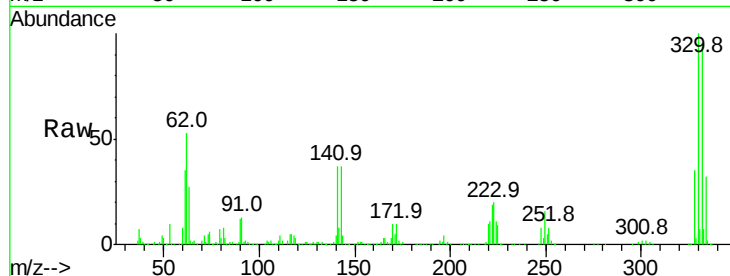




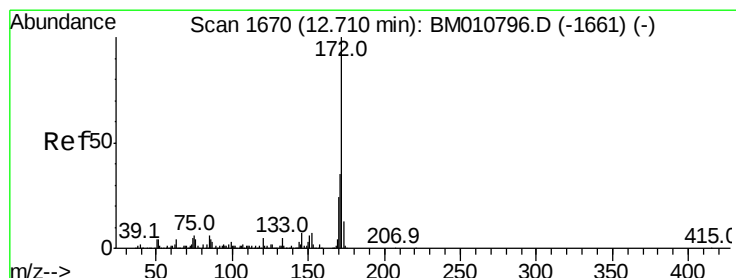
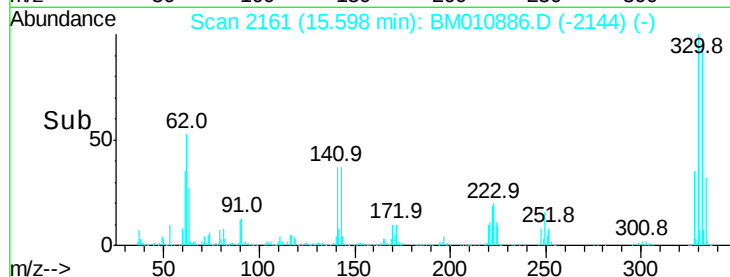
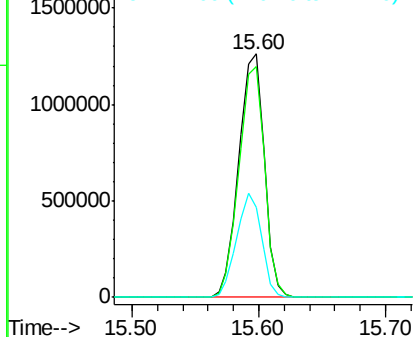
#41
 2,4,6-Tribromophenol
 Concen: 157.297 ng
 RT: 15.60 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM010886.D
 Acq: 19 Jul 2017 00:30

Instrument :
 BNA_M
 ClientSampleId :
 3578-CC7

Tot Ion:330 Resp: 1764272
 Ion Ratio Lower Upper
 330 100
 332 95.4 0.0 0.0#
 141 41.9 0.0 0.0#

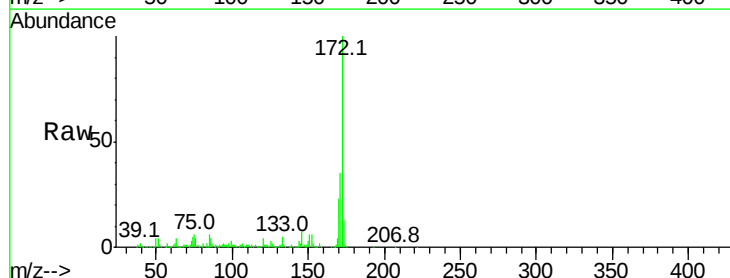


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

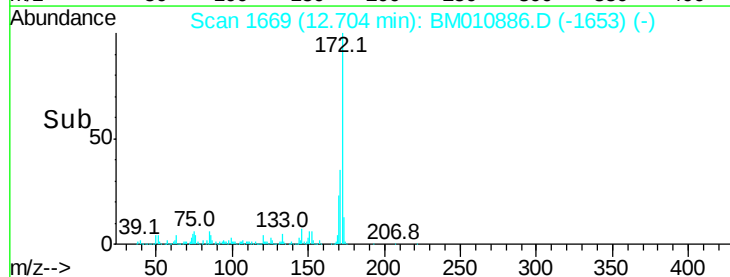
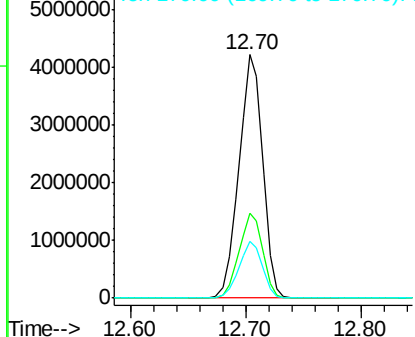


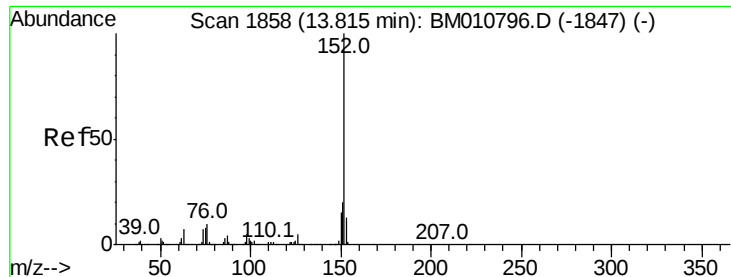
#44
 2-Fluorobiphenyl
 Concen: 101.686 ng
 RT: 12.70 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: BM010886.D
 Acq: 19 Jul 2017 00:30

Tgt Ion:172 Resp: 5999314
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.5 42.7
 170 23.1 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





#48

Acenaphthylene

Concen: 14.048 ng

RT: 13.81 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

BNA_M

ClientSampleId :

3578-CC7

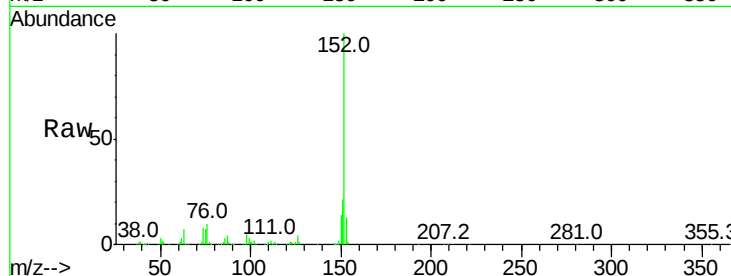
Tot Ion:152 Resp: 979630

Ion Ratio Lower Upper

152 100

151 20.7 15.9 23.9

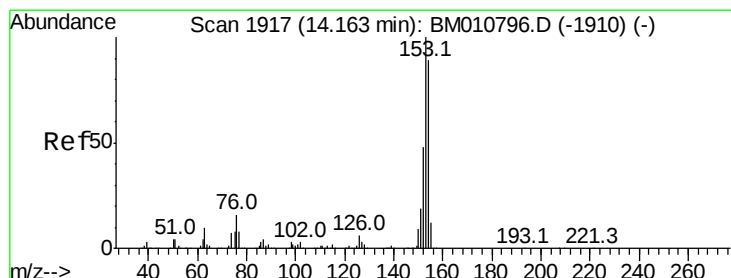
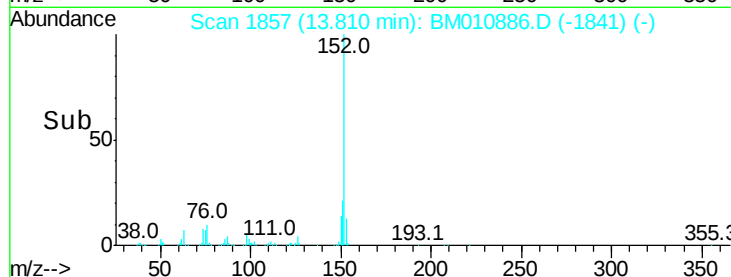
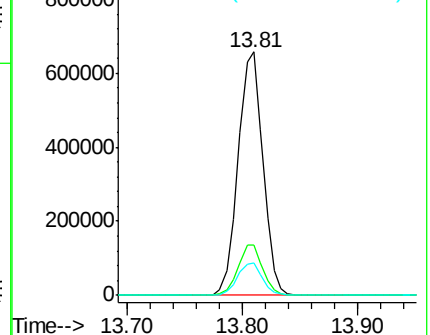
153 13.4 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 11.026 ng

RT: 14.16 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

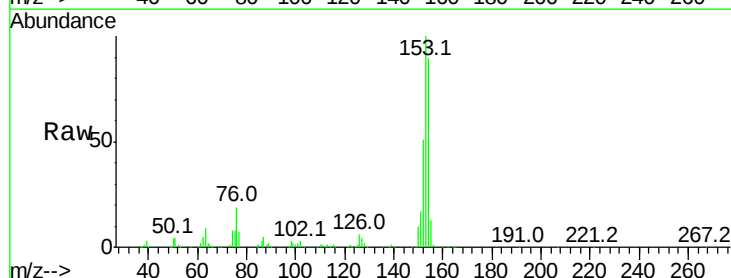
Tgt Ion:154 Resp: 469824

Ion Ratio Lower Upper

154 100

153 111.7 90.0 135.0

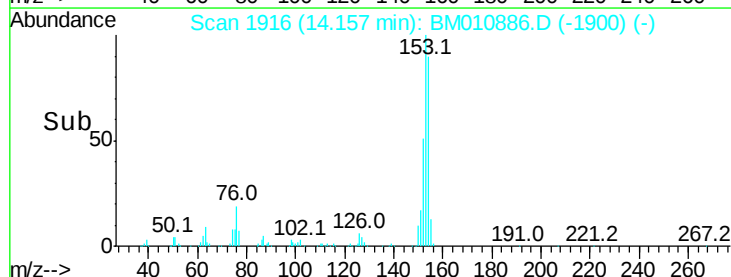
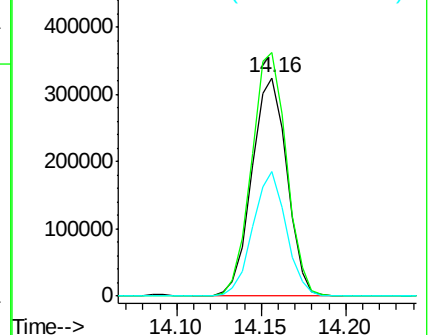
152 56.9 42.6 63.8

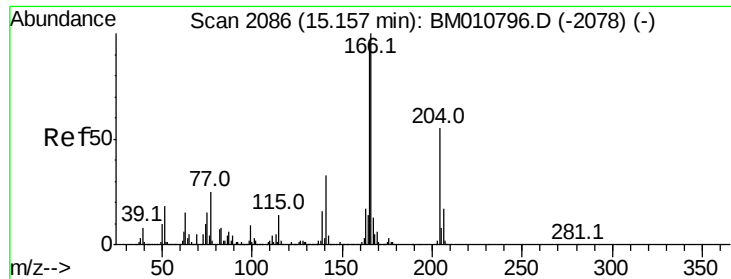


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 32.392 ng

RT: 15.15 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

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ClientSampleId :

3578-CC7

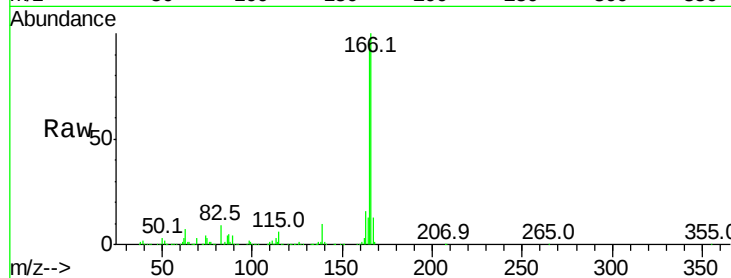
Tot Ion:166 Resp: 1919278

Ion Ratio Lower Upper

166 100

165 95.5 79.0 118.4

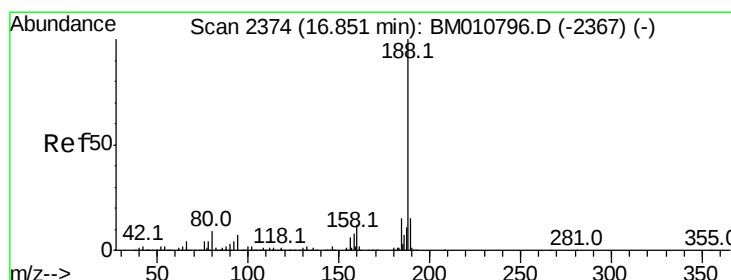
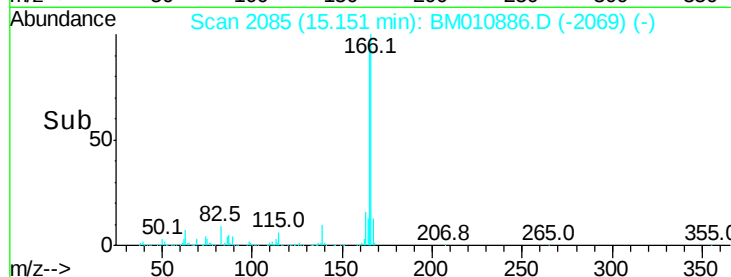
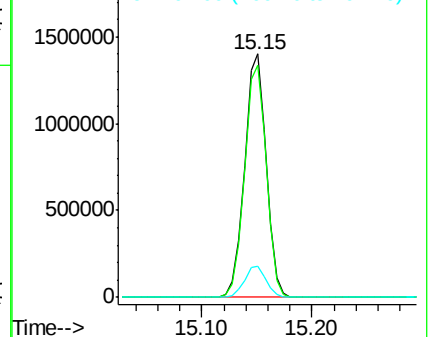
167 13.0 10.3 15.5



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: 20.000 ng

RT: 16.84 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

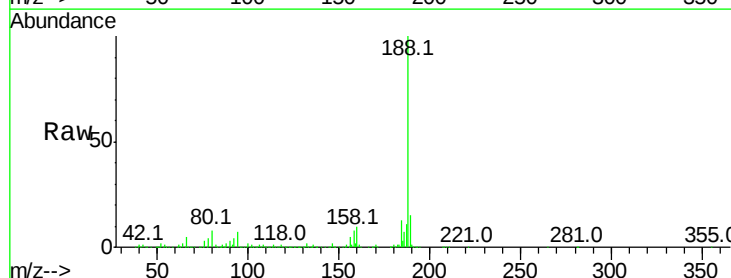
Tgt Ion:188 Resp: 1729334

Ion Ratio Lower Upper

188 100

94 6.7 8.7 13.1#

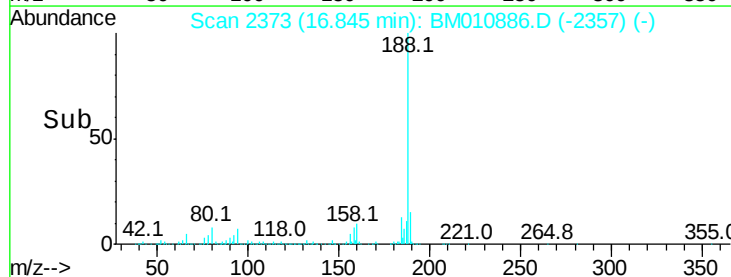
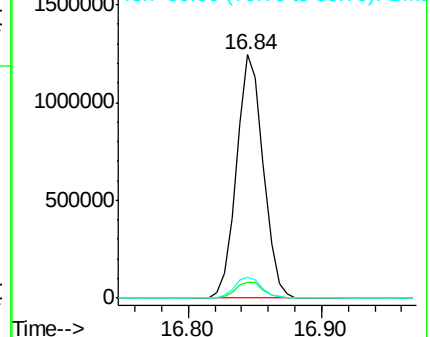
80 8.3 9.3 13.9#

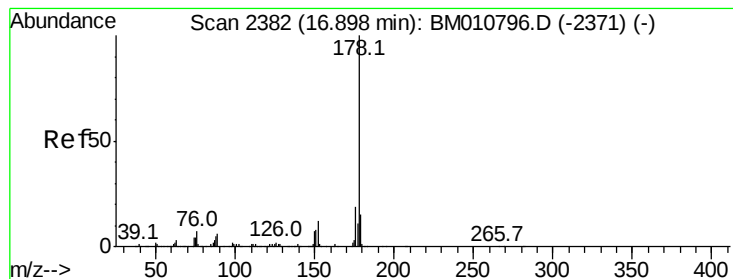


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#70

Phenanthrene

Concen: 68.675 ng

RT: 16.89 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

BNA_M

ClientSampleId :

3578-CC7

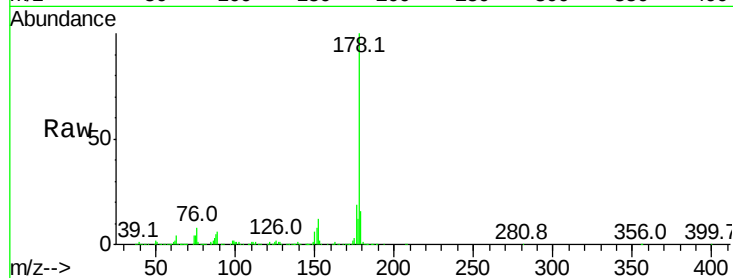
Tot Ion:178 Resp: 6178291

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

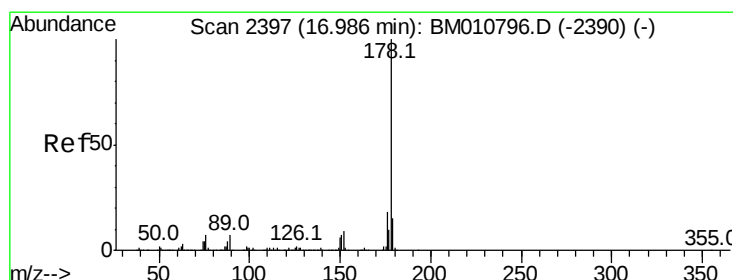
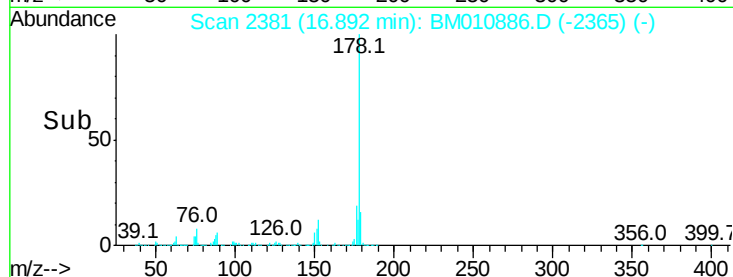
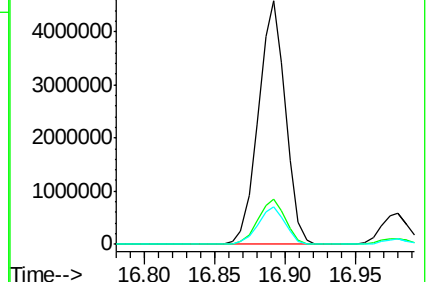
179 15.6 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 9.023 ng

RT: 16.98 min Scan# 2396

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

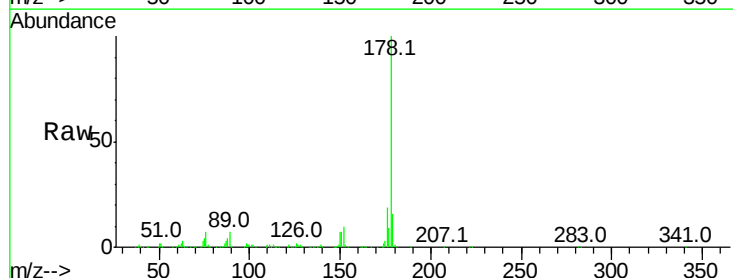
Tgt Ion:178 Resp: 805785

Ion Ratio Lower Upper

178 100

176 19.5 14.6 22.0

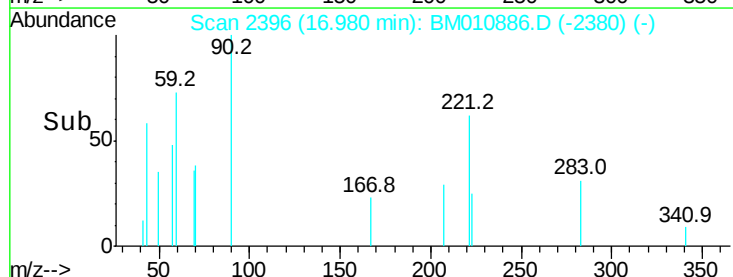
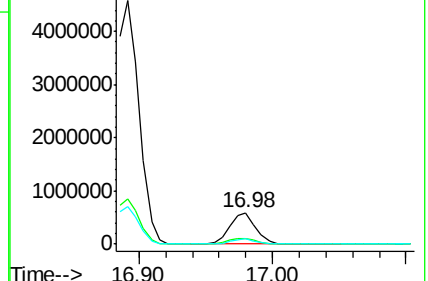
179 15.9 12.6 19.0

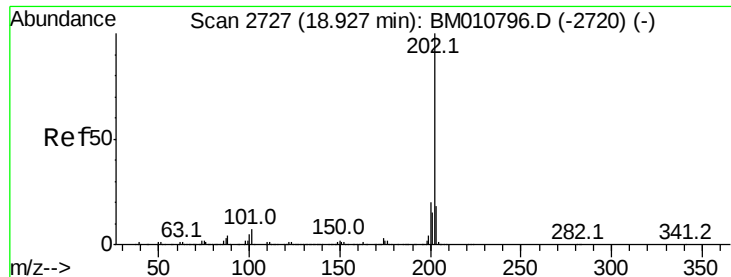


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 31.157 ng

RT: 18.92 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

BNA_M

ClientSampleId :

3578-CC7

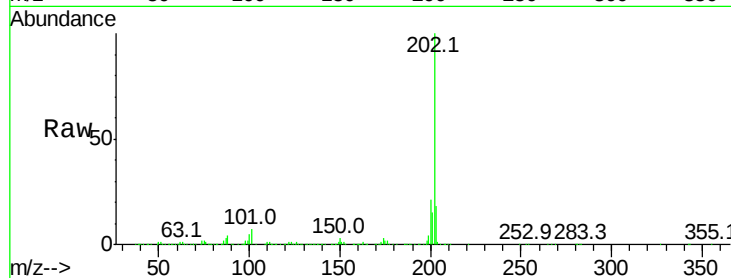
Tot Ion:202 Resp: 3471452

Ion Ratio Lower Upper

202 100

101 6.5 0.0 28.7

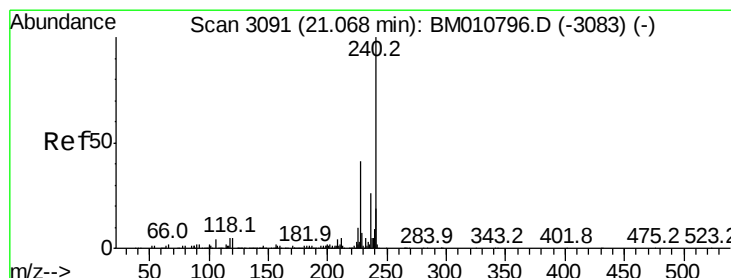
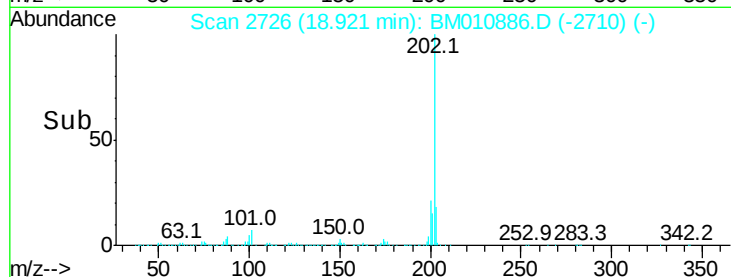
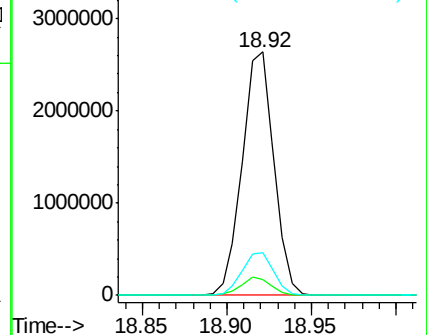
203 17.7 0.0 37.2



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

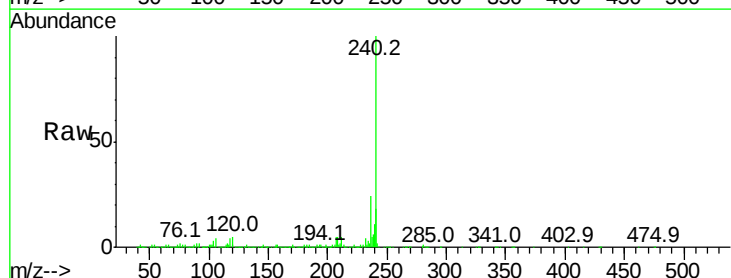
Tgt Ion:240 Resp: 1698066

Ion Ratio Lower Upper

240 100

120 5.1 8.2 12.2#

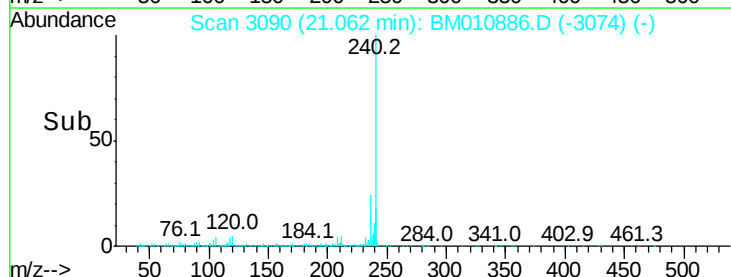
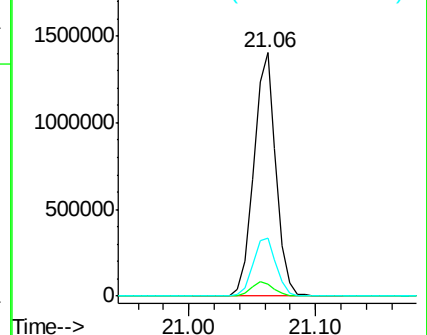
236 24.0 20.0 30.0

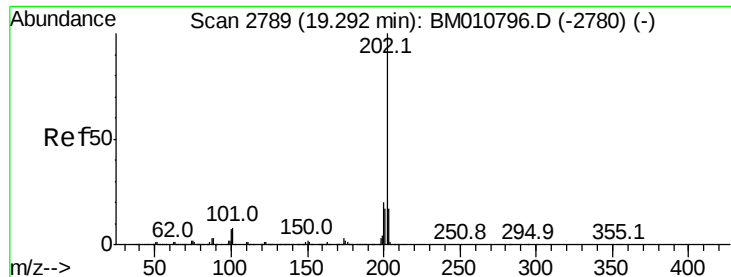


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.128 ng

RT: 19.28 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

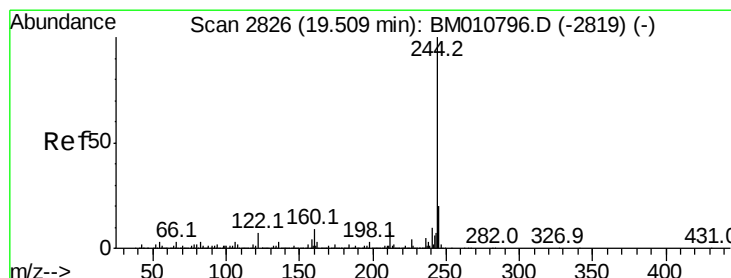
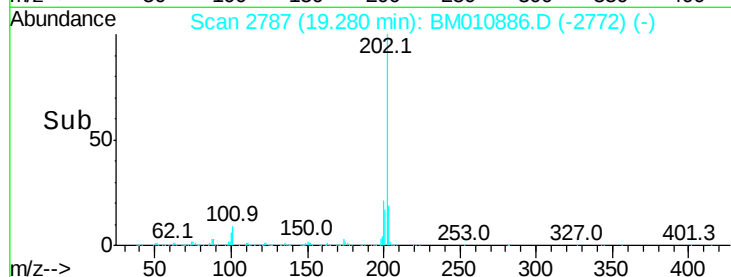
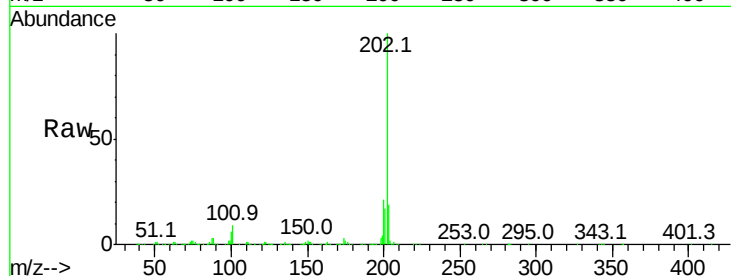
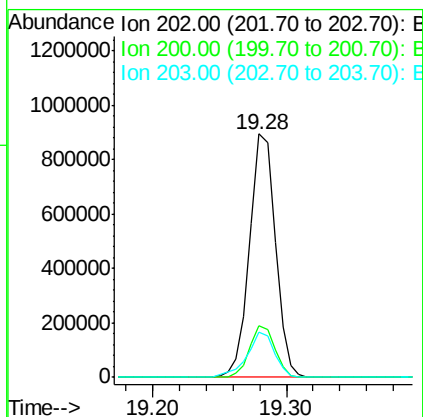
BNA_M

ClientSampleId :

3578-CC7

Tot Ion:202 Resp: 1193921

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	18.6	14.1	21.1



#78

Terphenyl-d14

Concen: 96.579 ng

RT: 19.51 min Scan# 2826

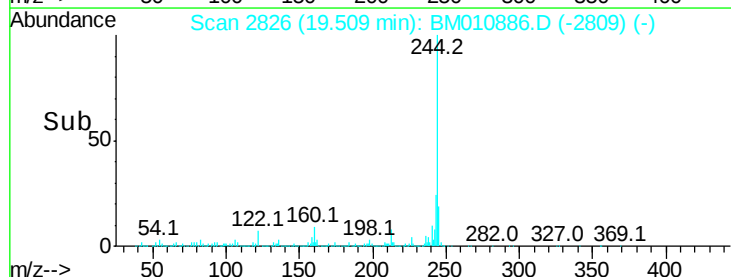
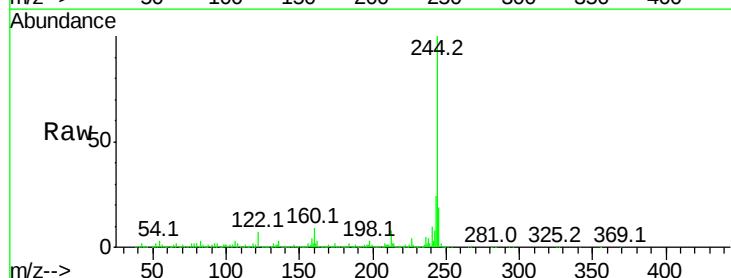
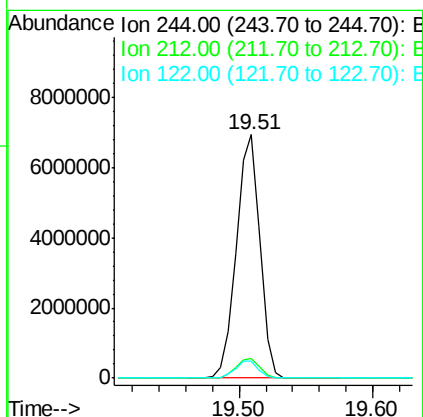
Delta R.T. -0.00 min

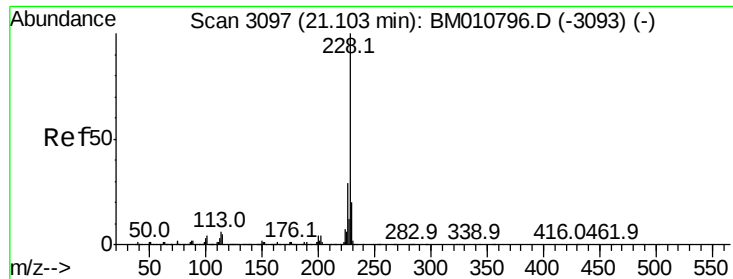
Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Tgt Ion:244 Resp: 8479283

Ion	Ratio	Lower	Upper
244	100		
212	8.1	4.9	7.3#
122	7.0	6.2	9.4

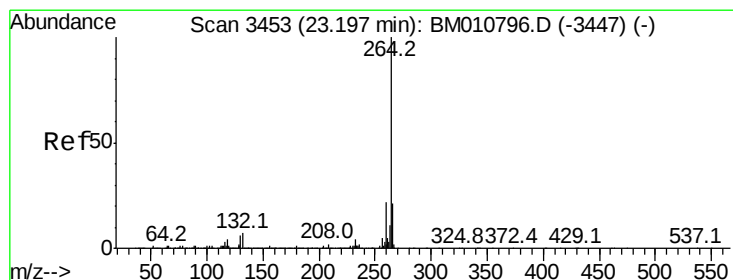
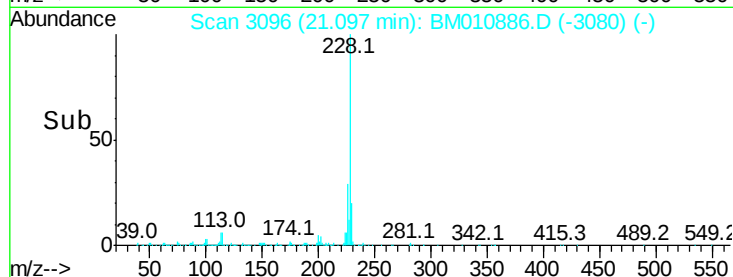
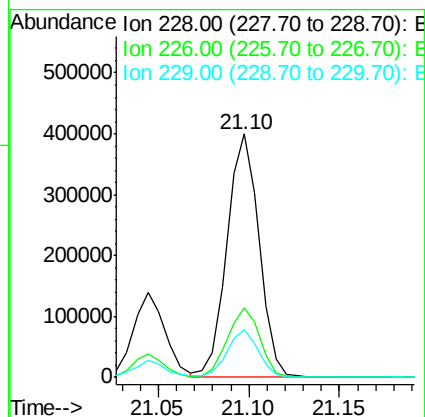
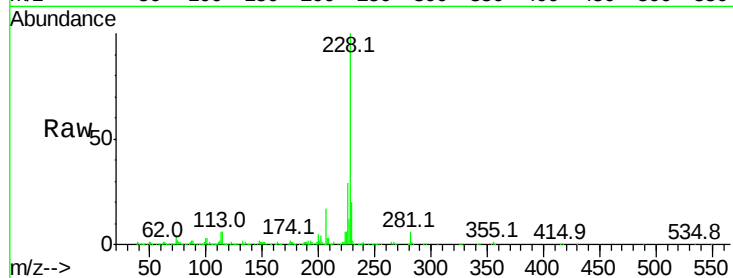




#82
Chrysene
Concen: 5.218 ng
RT: 21.10 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BM010886.D
Acq: 19 Jul 2017 00:30

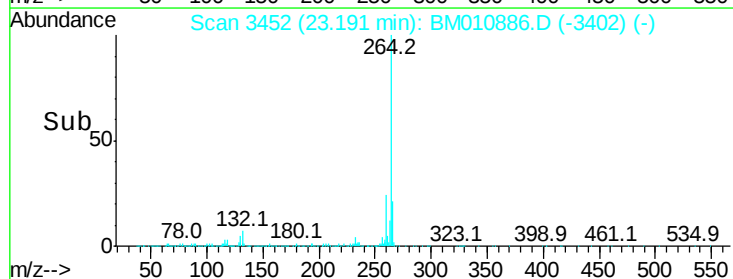
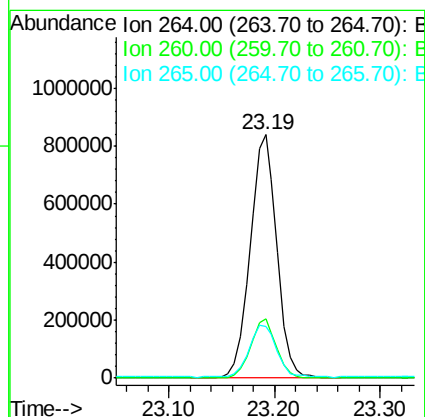
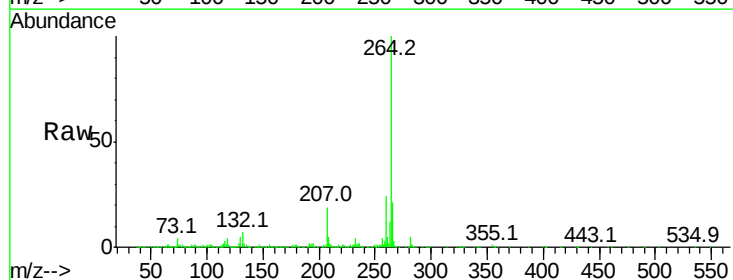
Instrument :
BNA_M
ClientSampleId :
3578-CC7

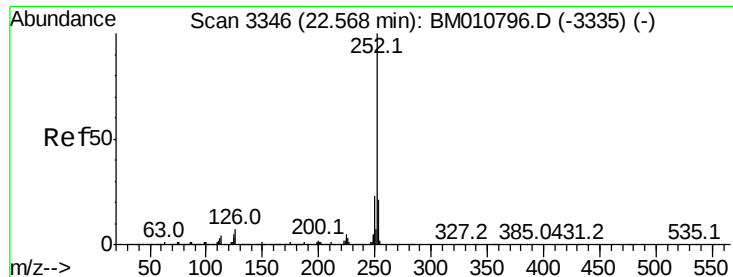
Tot Ion:228 Resp: 488919
Ion Ratio Lower Upper
228 100
226 28.6 24.1 36.1
229 19.6 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.19 min Scan# 3452
Delta R.T. -0.01 min
Lab File: BM010886.D
Acq: 19 Jul 2017 00:30

Tgt Ion:264 Resp: 1470554
Ion Ratio Lower Upper
264 100
260 24.2 18.6 27.8
265 21.4 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 2.576 ng

RT: 22.56 min Scan# 3344

Delta R.T. -0.01 min

Lab File: BM010886.D

Acq: 19 Jul 2017 00:30

Instrument :

BNA_M

ClientSampleId :

3578-CC7

Tot Ion:252 Resp: 240626

Ion Ratio Lower Upper

252 100

253 21.3 18.0 27.0

125 4.2 9.9 14.9#

