

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
 Data File : BM004787.D
 Acq On : 25 Mar 2016 20:55
 Operator : UM/SJ
 Sample : H1909-11MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T45MSD

Quant Time: Mar 26 02:45:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 26 02:43:19 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1236	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5712	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3346	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	7501	5.00	ng/ul	0.00
18) Chrysene-d12	21.39	240	7624	5.00	ng/ul	0.00
22) Perylene-d12	23.68	264	6629	5.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.40	96	8	0.01	ng/uL	0.08
6) 2-Methylnaphthalene-d10	12.21	152	2354	0.30	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	6073	0.34	ng/ul	0.00

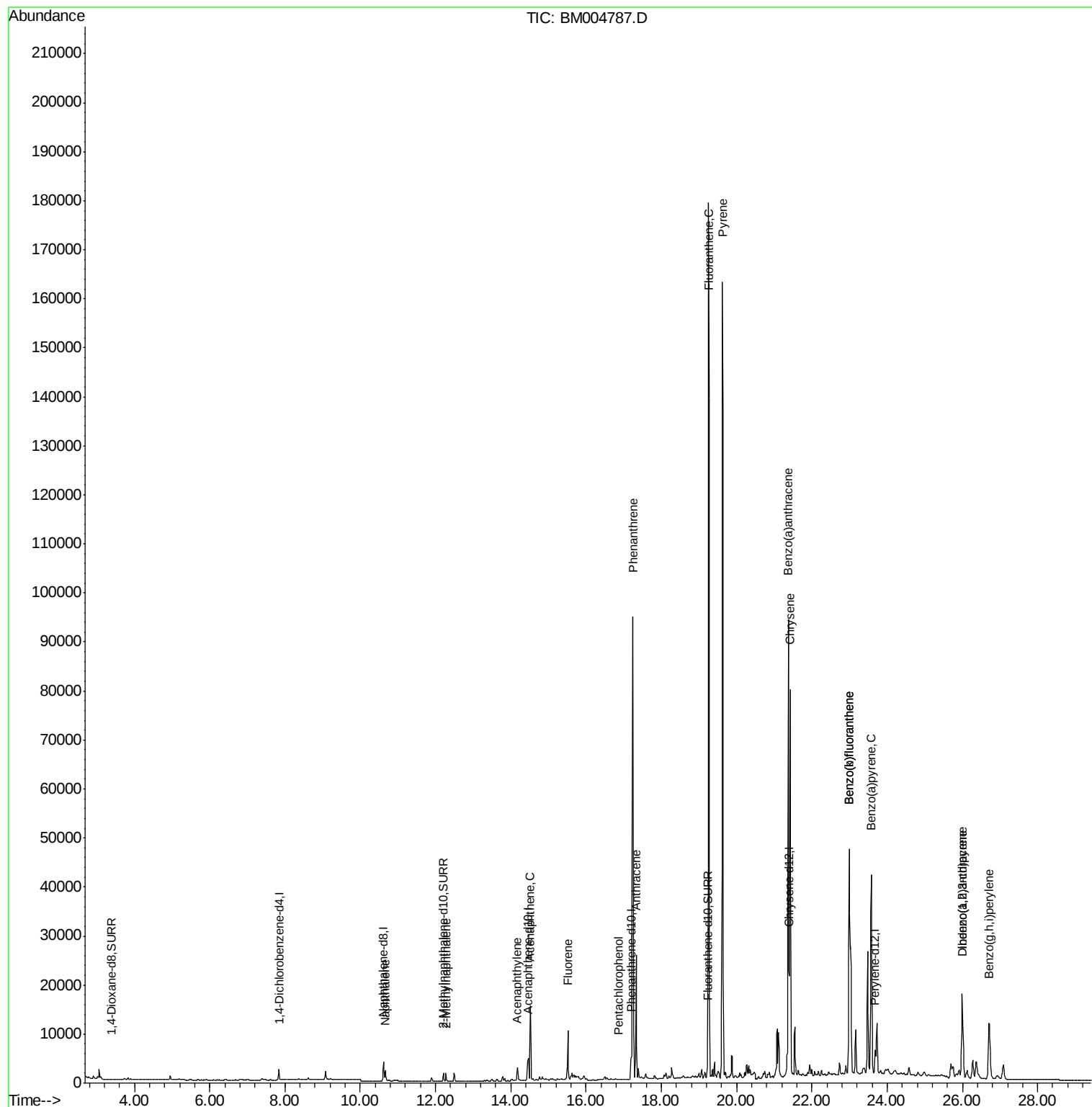
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	2950	0.21	ng/ul#	92
7) 2-Methylnaphthalene	12.28	142	1235	0.12	ng/ul	99
9) Acenaphthylene	14.18	152	3236	0.21	ng/ul#	94
10) Acenaphthene	14.52	153	8928	0.82	ng/ul	91
11) Fluorene	15.51	166	6752	0.52	ng/ul	92
13) Pentachlorophenol	16.87	266	56	0.03	ng/ul	96
14) Phenanthrene	17.24	178	105609	5.01	ng/ul	96
15) Anthracene	17.33	178	28941	1.45	ng/ul	96
17) Fluoranthene	19.26	202	181915	7.58	ng/ul	94
19) Pyrene	19.62	202	171416	6.57	ng/ul	98
20) Benzo(a)anthracene	21.37	228	80824	3.45	ng/ul#	92
21) Chrysene	21.42	228	75174	3.32	ng/ul	95
23) Benzo(b)fluoranthene	22.99	252	108105	4.84	ng/ul	97
24) Benzo(k)fluoranthene	22.99	252	108105	5.22	ng/ul#	94
25) Benzo(a)pyrene	23.58	252	56066	2.75	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	26.00	276	26937	1.43	ng/ul#	89
27) Dibenzo(a,h)anthracene	26.01	278	6654	0.45	ng/ul#	82
28) Benzo(g,h,i)perylene	26.72	276	23660	1.51	ng/ul	95

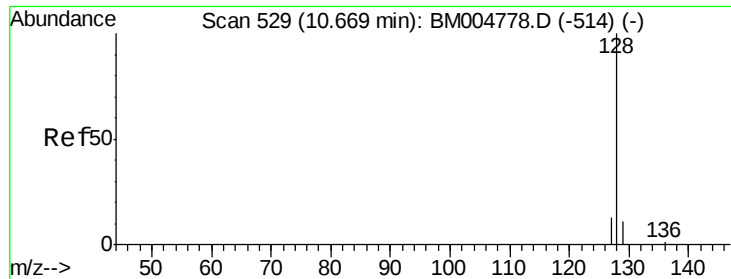
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
Data File : BM004787.D
Acq On : 25 Mar 2016 20:55
Operator : UM/SJ
Sample : H1909-11MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4T45MSD

Quant Time: Mar 26 02:45:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 26 02:43:19 2016
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.21 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

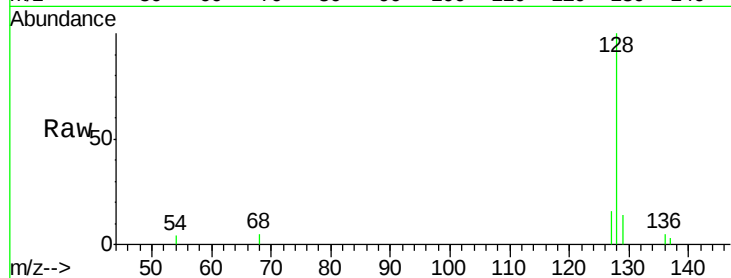
Tgt Ion:128 Resp: 2950

Ion Ratio Lower Upper

128 100

129 14.0 9.0 13.6#

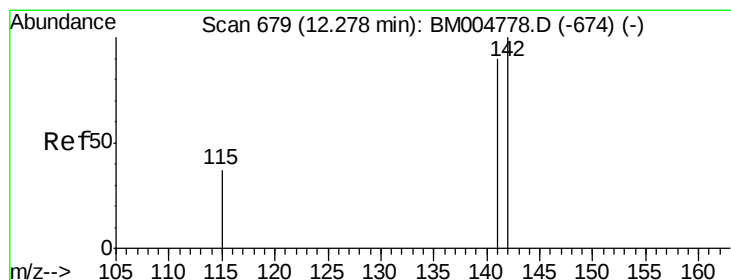
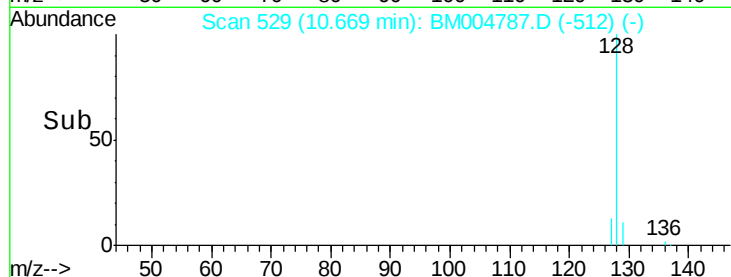
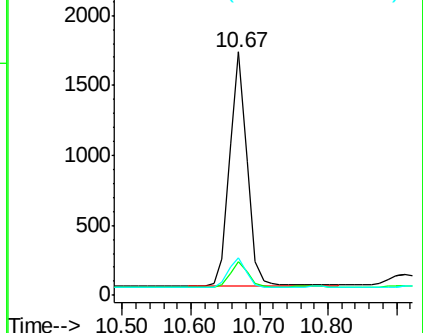
127 15.5 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.12 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004787.D

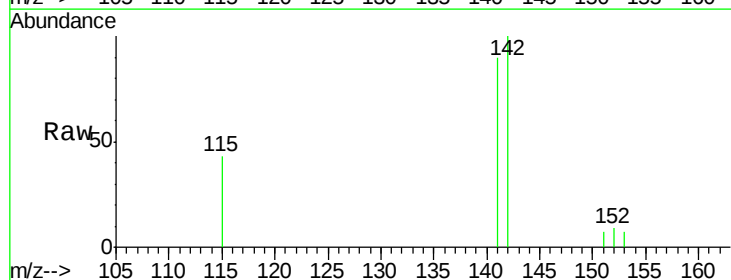
Acq: 25 Mar 2016 20:55

Tgt Ion:142 Resp: 1235

Ion Ratio Lower Upper

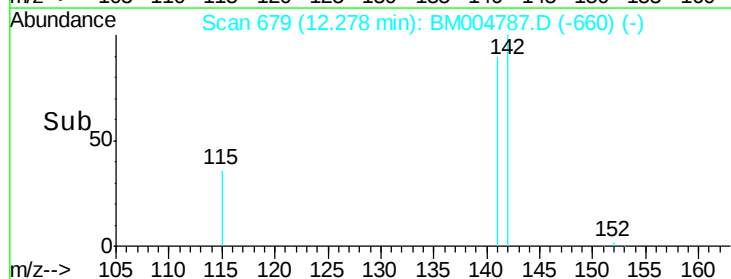
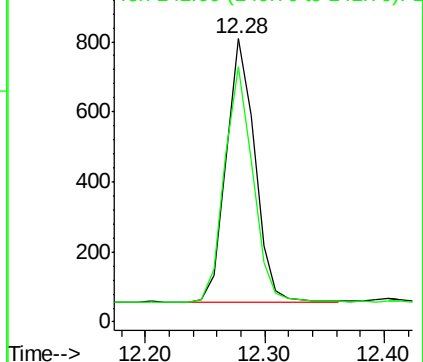
142 100

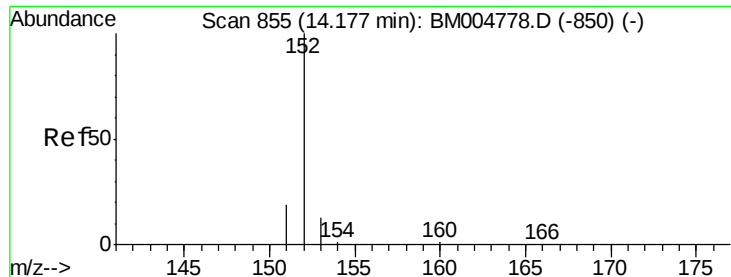
141 89.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.21 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

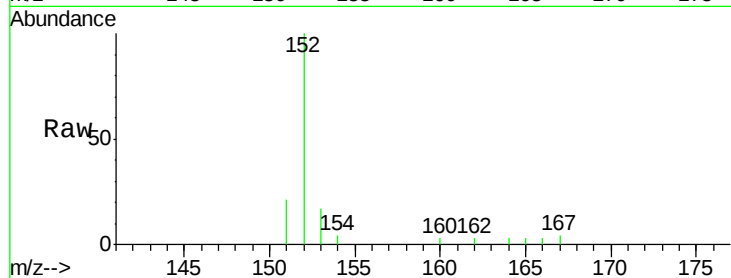
Tgt Ion:152 Resp: 3236

Ion Ratio Lower Upper

152 100

151 21.1 17.6 26.4

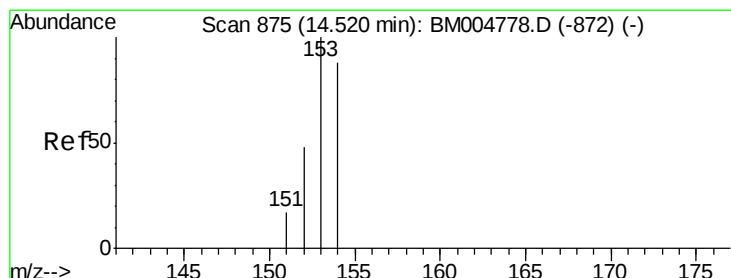
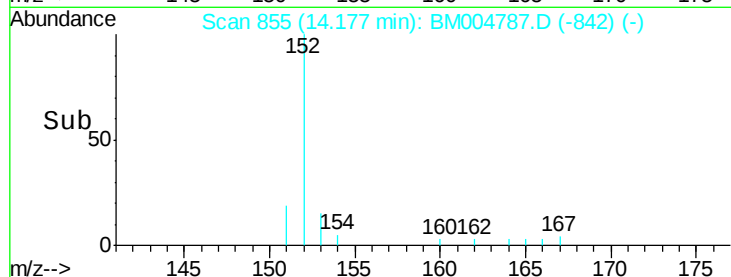
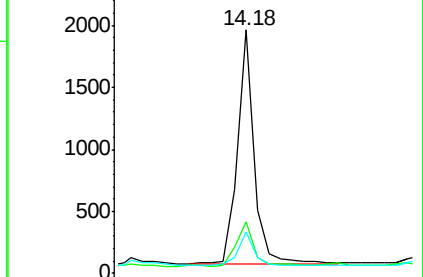
153 17.1 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.82 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

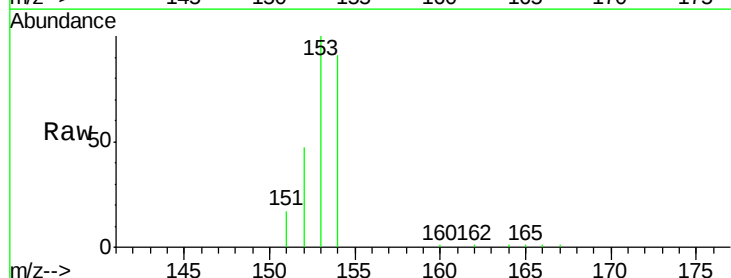
Tgt Ion:153 Resp: 8928

Ion Ratio Lower Upper

153 100

152 47.0 33.9 50.9

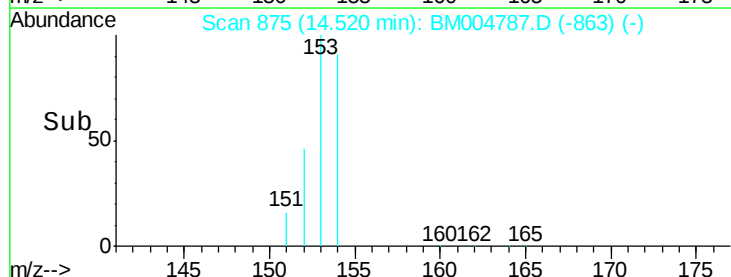
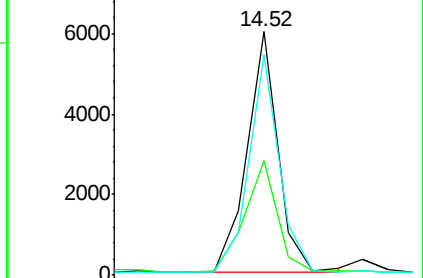
154 90.5 80.6 121.0

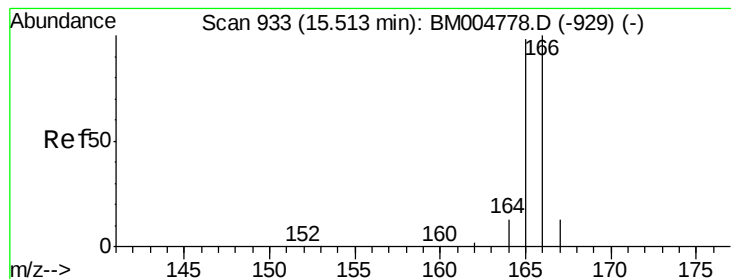


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.52 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

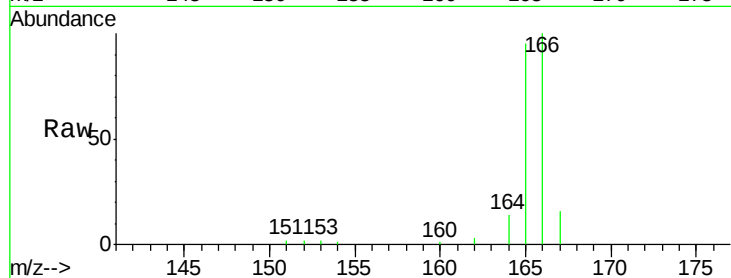
Tgt Ion:166 Resp: 6752

Ion Ratio Lower Upper

166 100

165 95.5 69.6 104.4

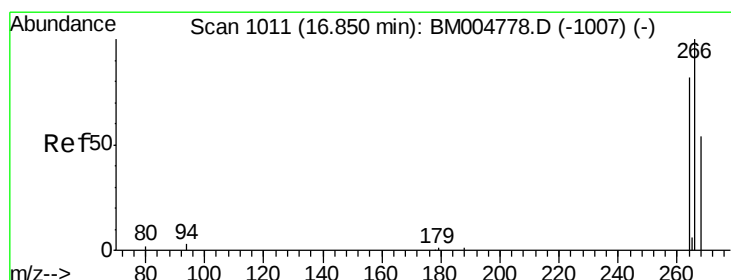
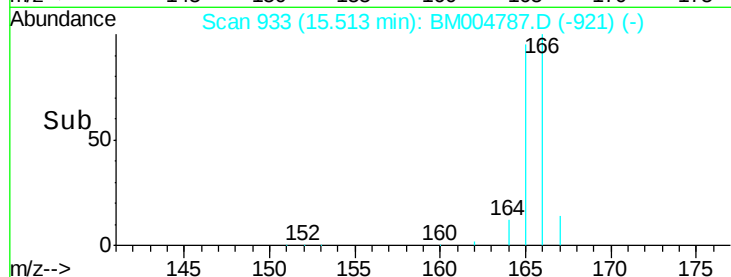
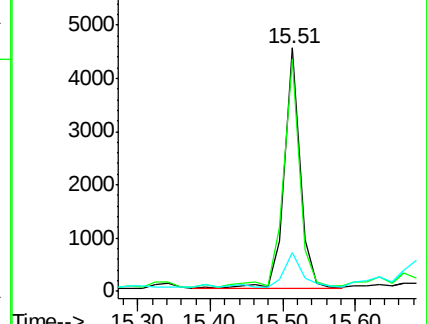
167 15.7 11.9 17.9



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



#13

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 16.87 min Scan# 1012

Delta R.T. 0.02 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

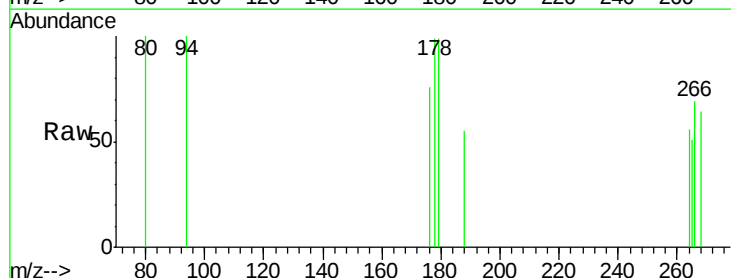
Tgt Ion:266 Resp: 56

Ion Ratio Lower Upper

266 100

264 62.5 51.8 77.8

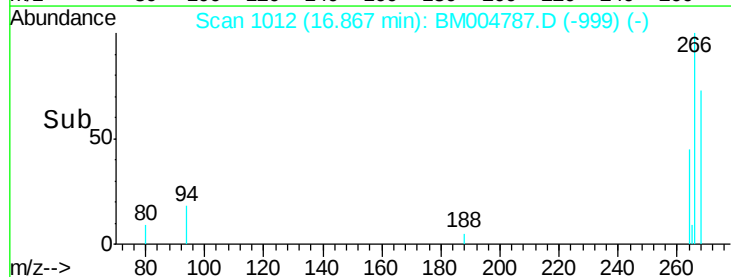
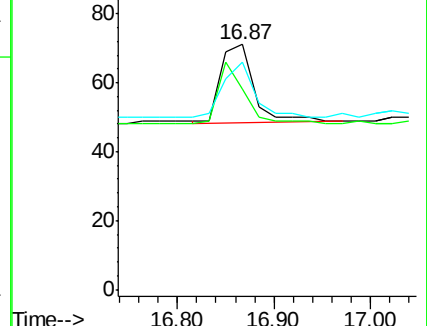
268 62.5 46.8 70.2

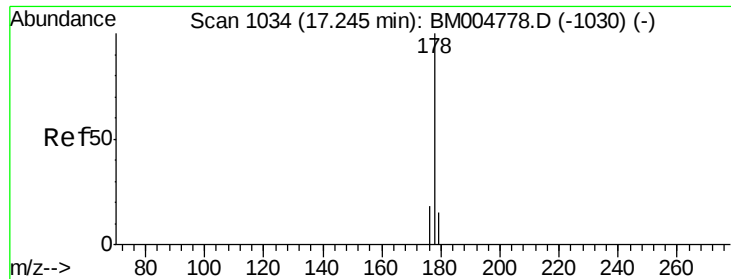


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 5.01 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

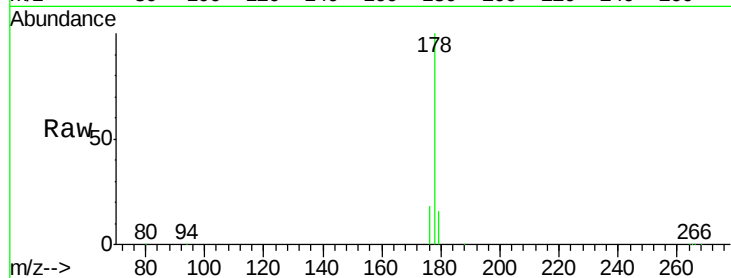
Tgt Ion:178 Resp: 105609

Ion Ratio Lower Upper

178 100

176 18.0 13.0 19.4

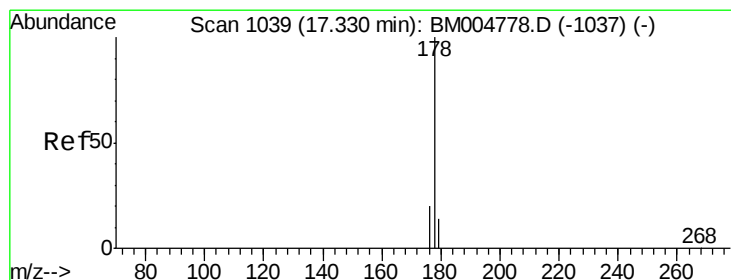
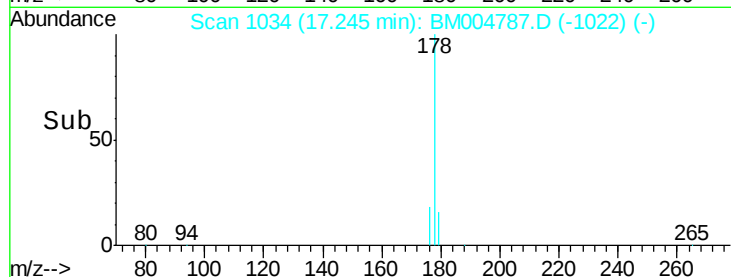
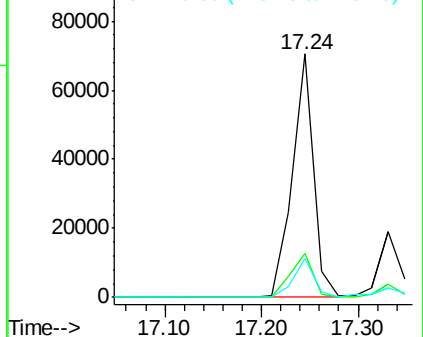
179 16.1 14.2 21.2



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



#15

Anthracene

Concen: 1.45 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

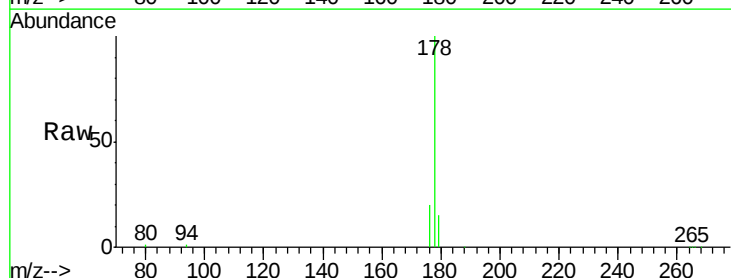
Tgt Ion:178 Resp: 28941

Ion Ratio Lower Upper

178 100

176 19.6 14.0 21.0

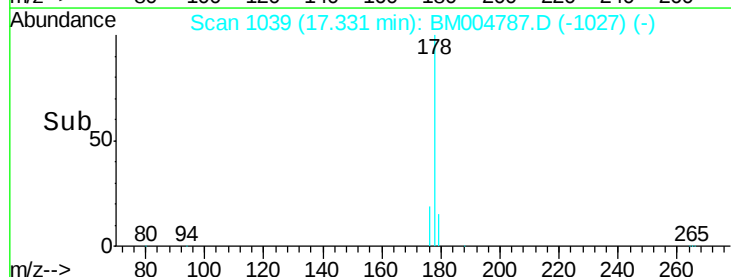
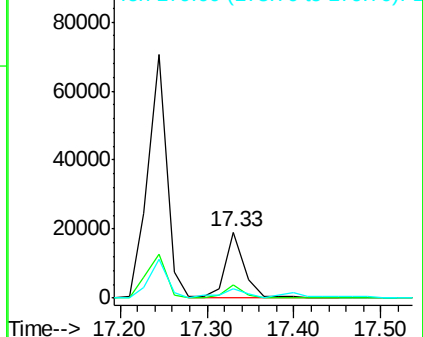
179 15.0 12.9 19.3

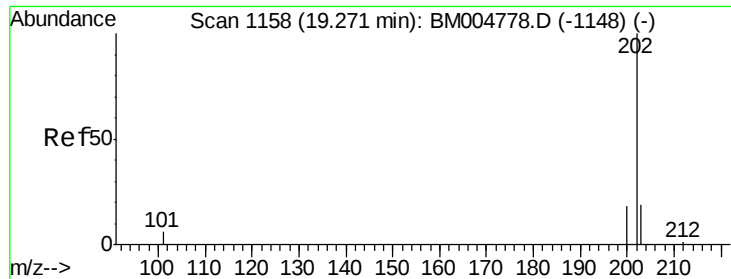


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 7.58 ng/ul

RT: 19.26 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

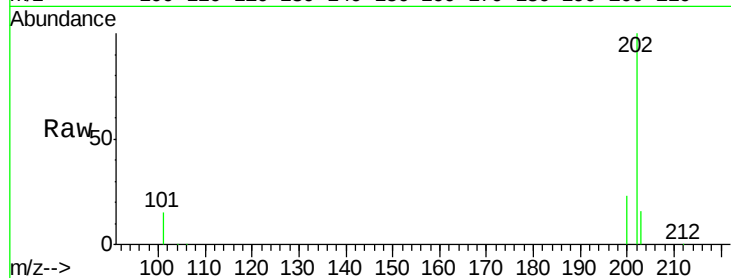
Tgt Ion:202 Resp: 181915

Ion Ratio Lower Upper

202 100

101 15.2 0.0 29.6

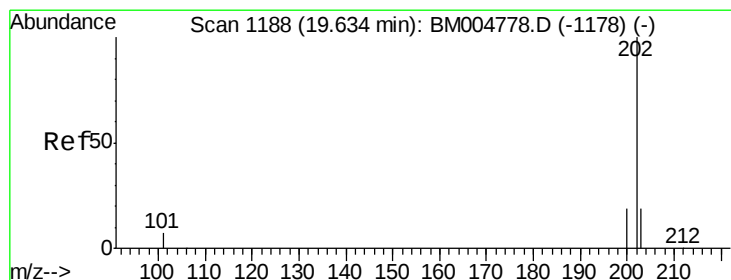
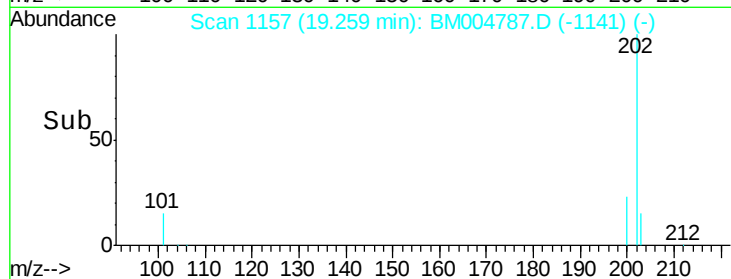
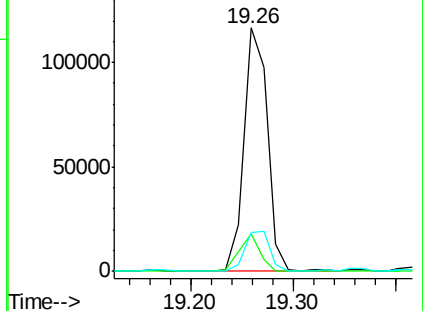
203 15.8 0.0 36.3



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



#19

Pyrene

Concen: 6.57 ng/ul

RT: 19.62 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

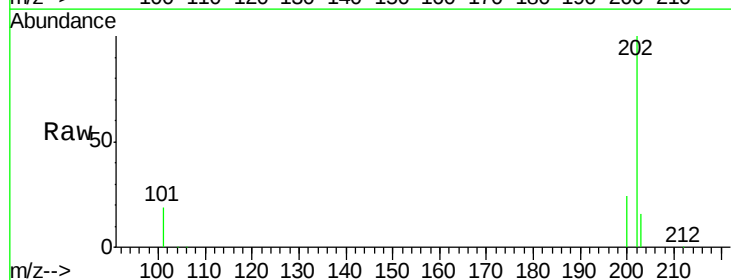
Tgt Ion:202 Resp: 171416

Ion Ratio Lower Upper

202 100

200 23.5 17.8 26.8

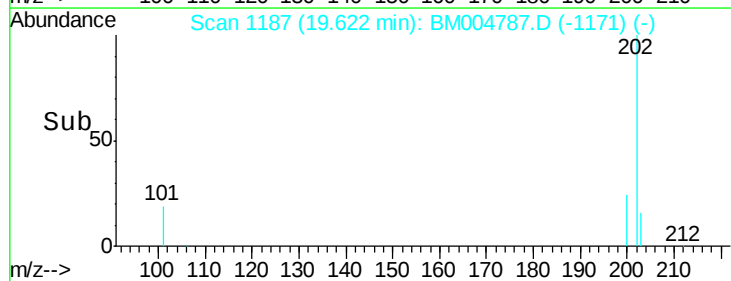
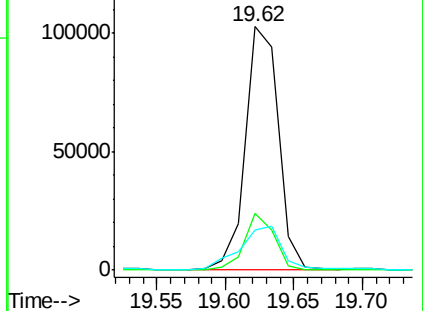
203 16.4 12.8 19.2

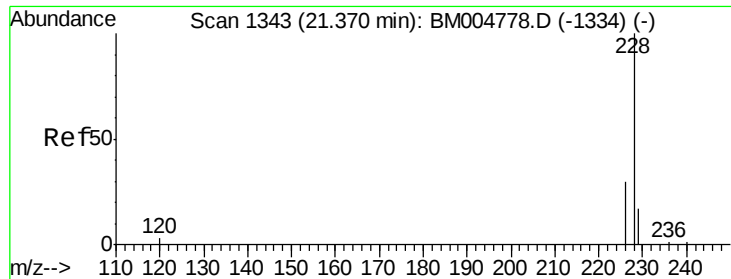


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 3.45 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

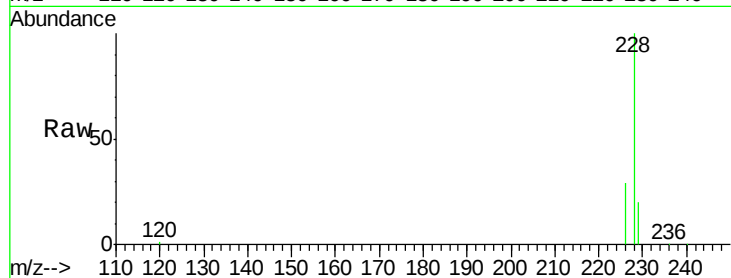
Tgt Ion:228 Resp: 80824

Ion Ratio Lower Upper

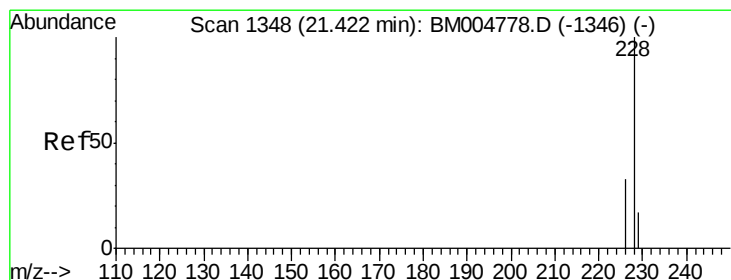
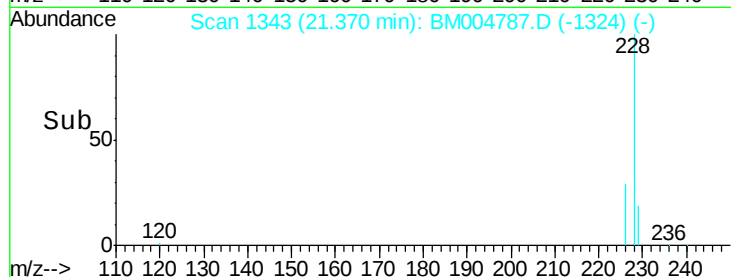
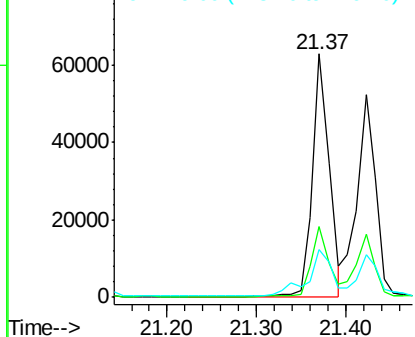
228 100

226 29.0 18.8 28.2#

229 19.7 17.1 25.7



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



#21

Chrysene

Concen: 3.32 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

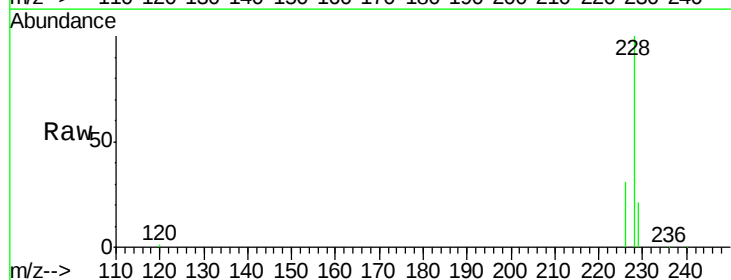
Tgt Ion:228 Resp: 75174

Ion Ratio Lower Upper

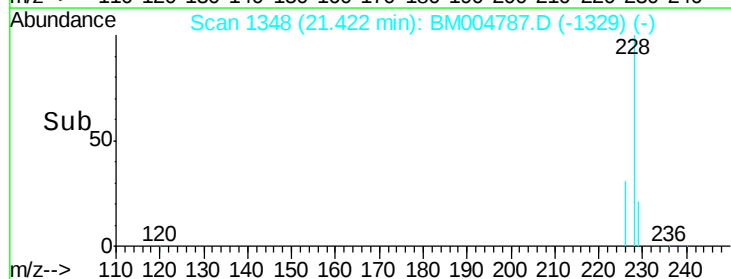
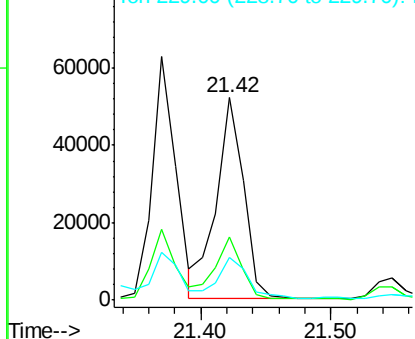
228 100

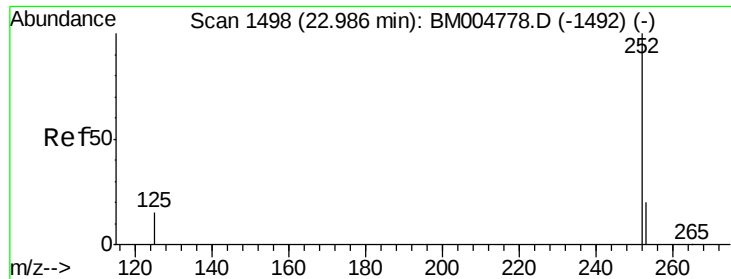
226 31.3 21.2 31.8

229 21.2 17.0 25.6



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





#23

Benzo(b)fluoranthene

Concen: 4.84 ng/u1

RT: 22.99 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

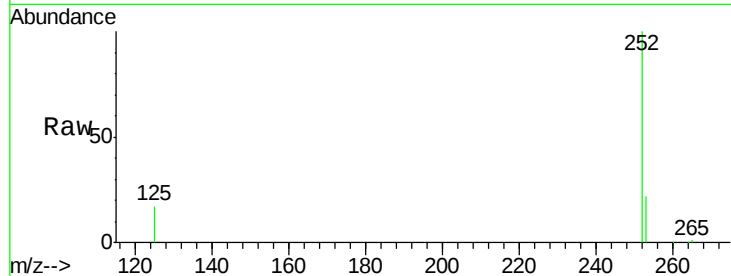
Tgt Ion:252 Resp: 108105

Ion Ratio Lower Upper

252 100

253 22.4 0.0 45.4

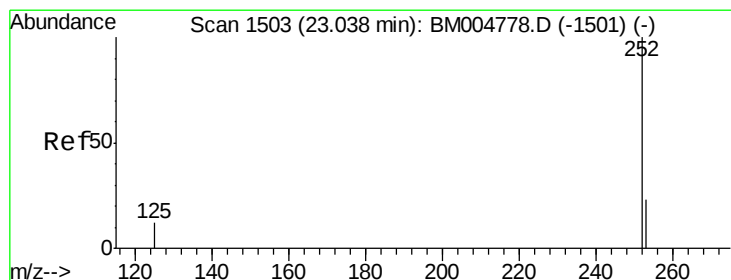
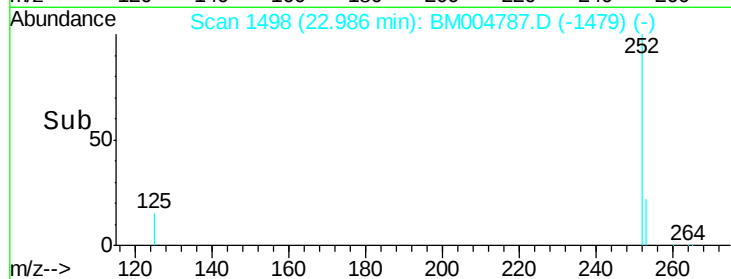
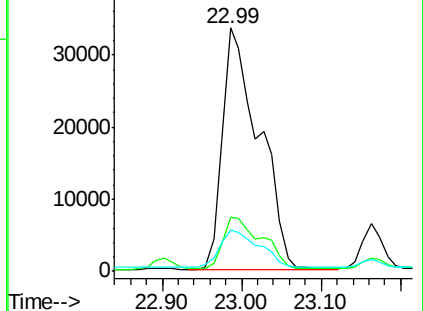
125 16.8 0.0 28.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Benzo(k)fluoranthene

Concen: 5.22 ng/u1

RT: 22.99 min Scan# 1498

Delta R.T. -0.05 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

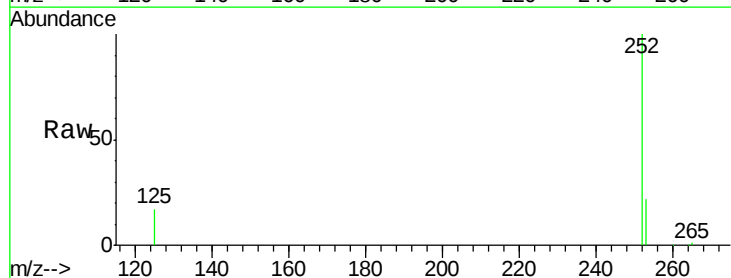
Tgt Ion:252 Resp: 108105

Ion Ratio Lower Upper

252 100

253 22.4 19.8 29.8

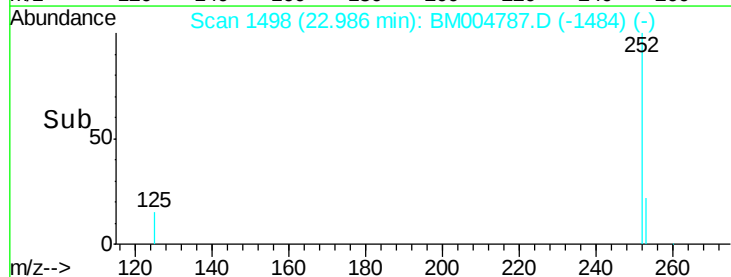
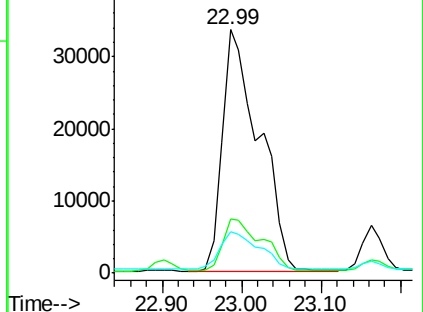
125 16.8 10.4 15.6#

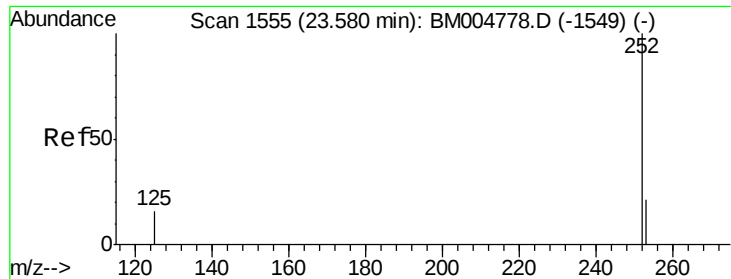


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 2.75 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. 0.00 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

Instrument :

BNA_M

ClientSampleId :

A4T45MSD

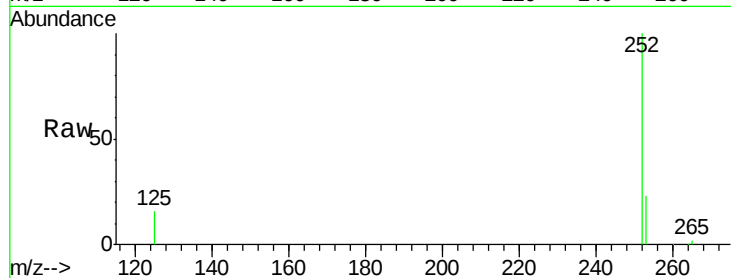
Tgt Ion:252 Resp: 56066

Ion Ratio Lower Upper

252 100

253 23.3 19.4 29.2

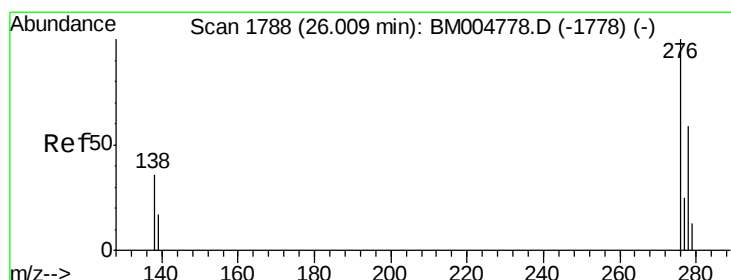
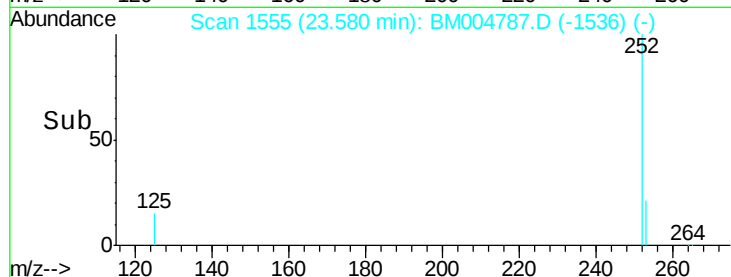
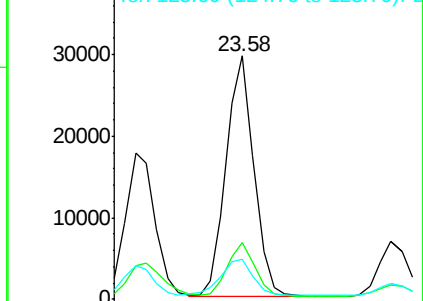
125 16.5 12.7 19.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 1.43 ng/ul

RT: 26.00 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BM004787.D

Acq: 25 Mar 2016 20:55

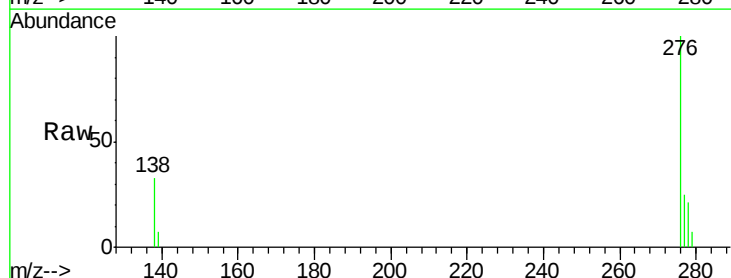
Tgt Ion:276 Resp: 26937

Ion Ratio Lower Upper

276 100

138 31.5 16.3 24.5#

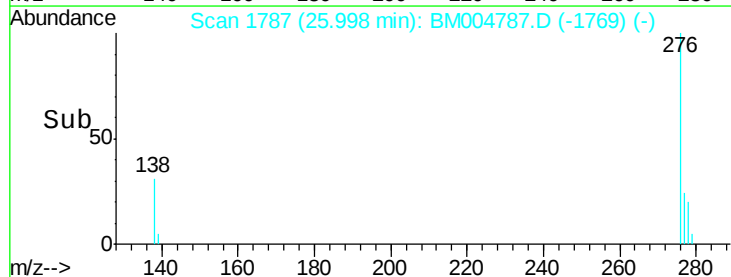
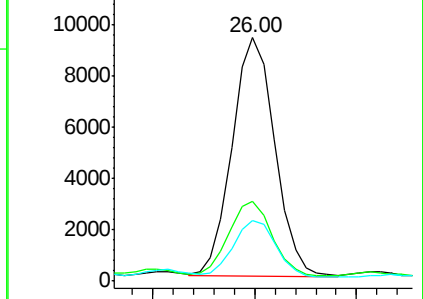
277 24.2 19.8 29.8

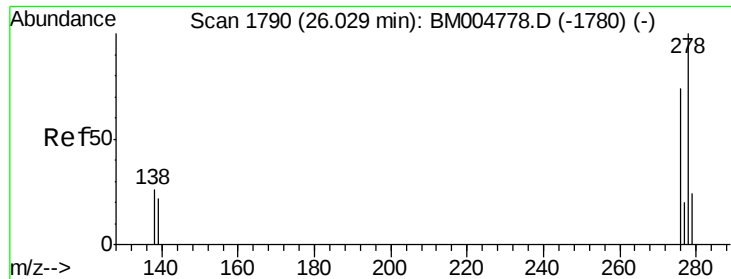


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

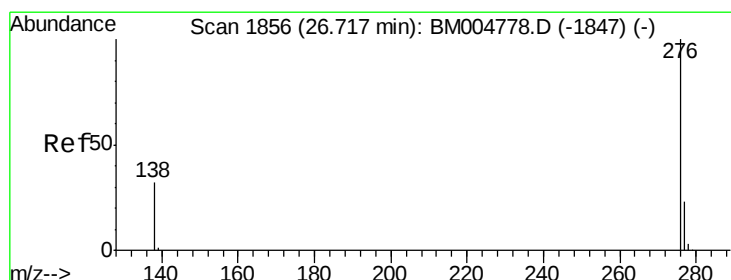
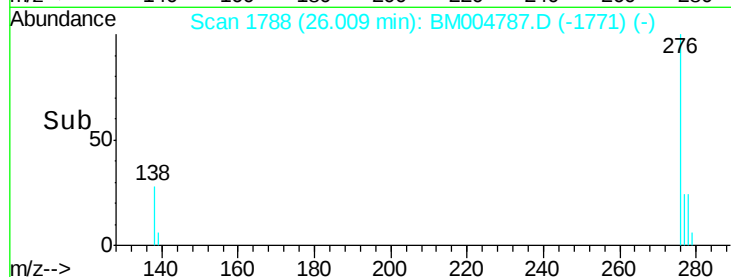
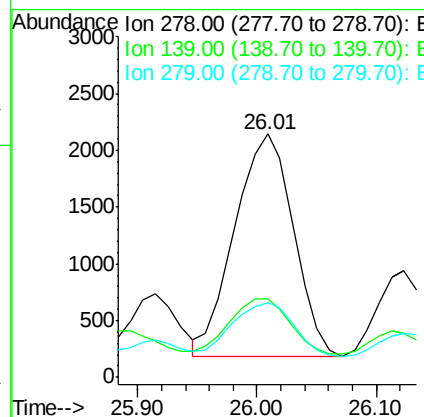
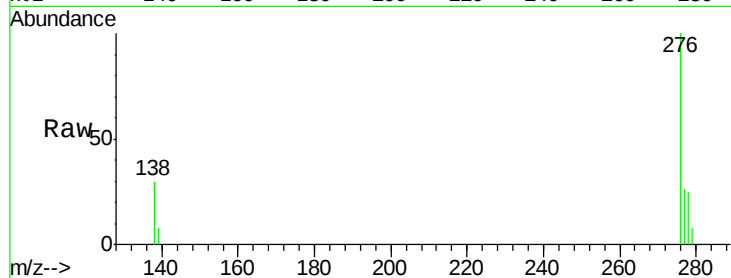




#27
Dibenzo(a,h)anthracene
Concen: 0.45 ng/ul
RT: 26.01 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BM004787.D
Acq: 25 Mar 2016 20:55

Instrument :
BNA_M
ClientSampleId :
A4T45MSD

Tgt Ion: 278 Resp: 6654
Ion Ratio Lower Upper
278 100
139 32.3 16.4 24.6#
279 30.8 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 1.51 ng/ul
RT: 26.72 min Scan# 1856
Delta R.T. 0.00 min
Lab File: BM004787.D
Acq: 25 Mar 2016 20:55

Tgt Ion: 276 Resp: 23660
Ion Ratio Lower Upper
276 100
277 25.2 18.9 28.3
138 31.8 22.5 33.7

