

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002458.D
 Acq On : 17 Aug 2015 19:17
 Operator : UM/IZ
 Sample : G3227-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 18 02:02:50 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 01:54:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	147630	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	668726	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	342003	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	643378	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	428854	20.00	ng/ul	0.00
22) Perylene-d12	24.92	264	417908	20.00	ng/ul	0.01

System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	704557	20.15	ng/ul	0.00
10) Fluorene-d10	16.43	176	475566	19.36	ng/ul	0.00
14) Anthracene-d10	18.26	188	634211	20.44	ng/ul	0.00
18) Pyrene-d10	20.48	212	509713	26.81	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	424610	19.34	ng/ul	0.00

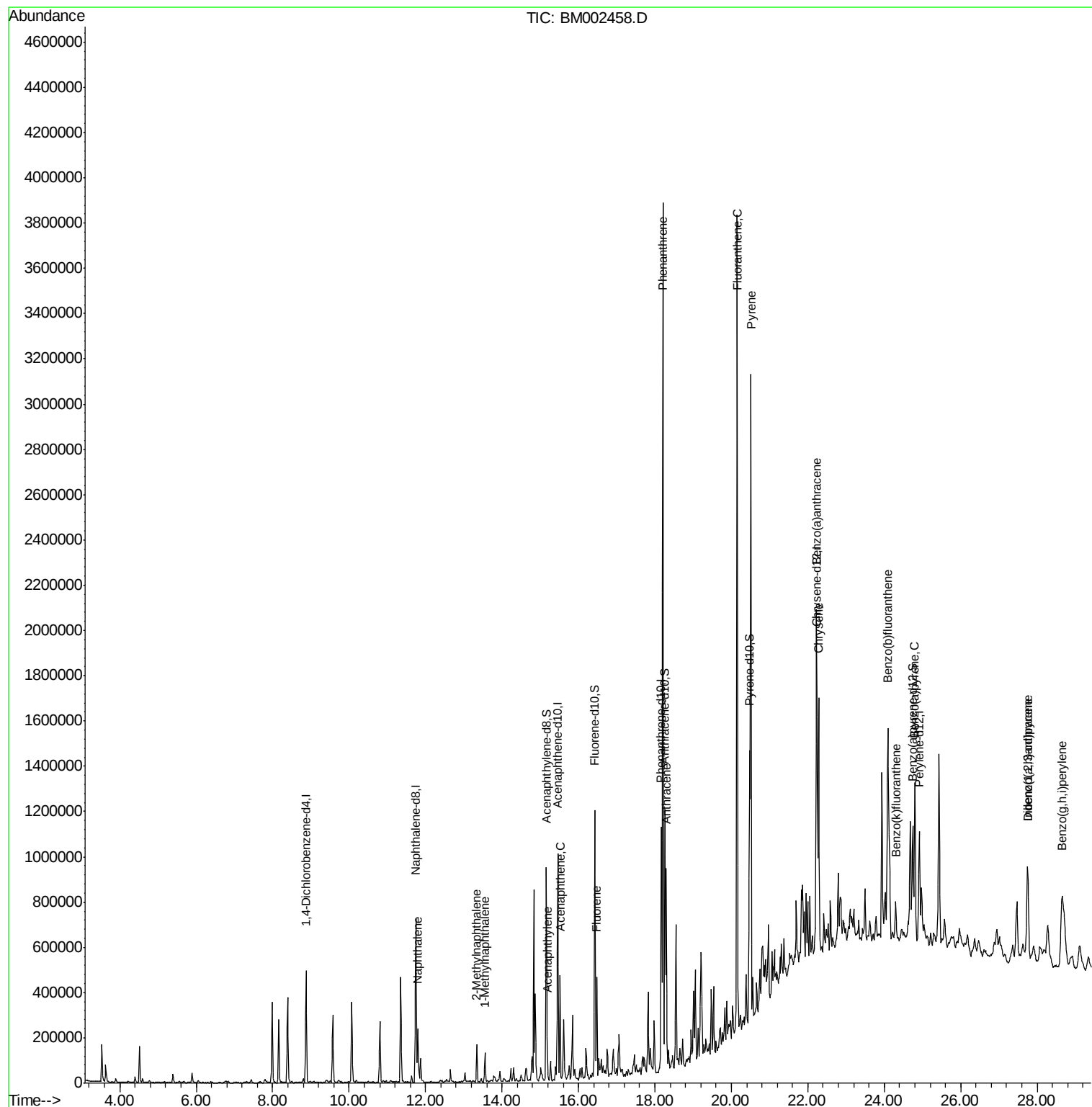
Target Compounds				Ovalue		
3) Naphthalene	11.80	128	214476	6.28	ng/ul	99
4) 2-Methylnaphthalene	13.34	142	82005	3.21	ng/ul	95
5) 1-Methylnaphthalene	13.55	142	63200	2.50	ng/ul	100
8) Acenaphthylene	15.19	152	37475	1.02	ng/ul	97
9) Acenaphthene	15.52	153	185572	7.70	ng/ul	98
11) Fluorene	16.48	166	203116	7.35	ng/ul	98
13) Phenanthrene	18.21	178	2415253	65.01	ng/ul	100
15) Anthracene	18.30	178	549139	14.58	ng/ul	99
16) Fluoranthene	20.15	202	2274058	54.07	ng/ul	97
19) Pyrene	20.51	202	1684235	67.04	ng/ul	100
20) Benzo(a)anthracene	22.23	228	705908	27.53	ng/ul	99
21) Chrysene	22.29	228	693672	28.92	ng/ul	97
23) Benzo(b)fluoranthene	24.09	252	905156	35.83	ng/ul	97
24) Benzo(k)fluoranthene	24.30	252	112158	4.68	ng/ul#	84
26) Benzo(a)pyrene	24.80	252	593237	24.58	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.76	276	464053	16.72	ng/ul	94
28) Dibenzo(a,h)anthracene	27.75	278	116536	5.02	ng/ul#	74
29) Benzo(g,h,i)perylene	28.64	276	419699	18.17	ng/ul	100

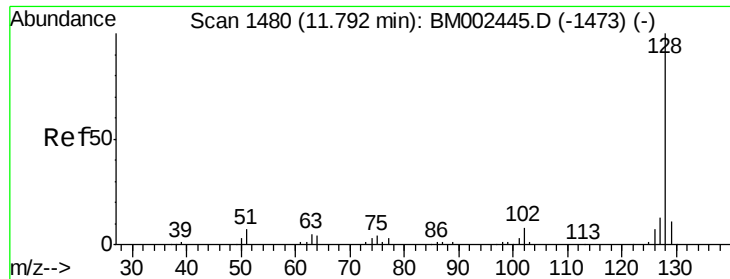
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 6.28 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002458.D

Acq: 17 Aug 2015 19:17

Instrument :

BNA_M

ClientSampleId :

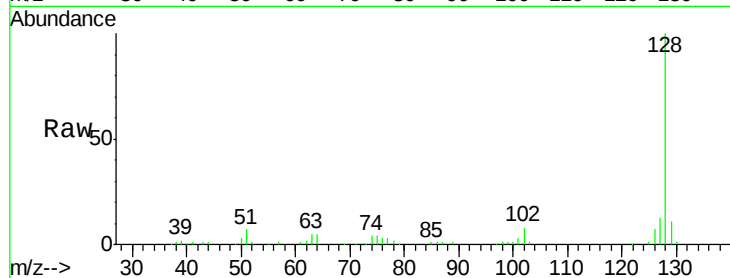
Tot Ion:128 Resp: 214476

Ion Ratio Lower Upper

128 100

129 11.4 8.6 12.8

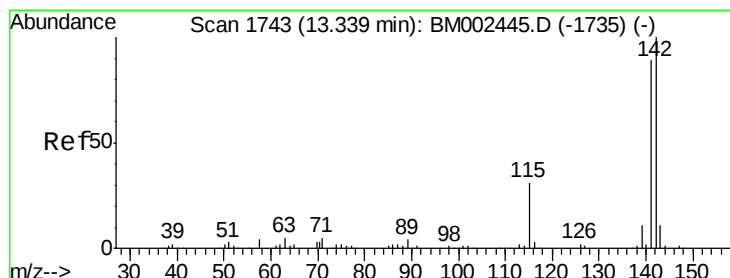
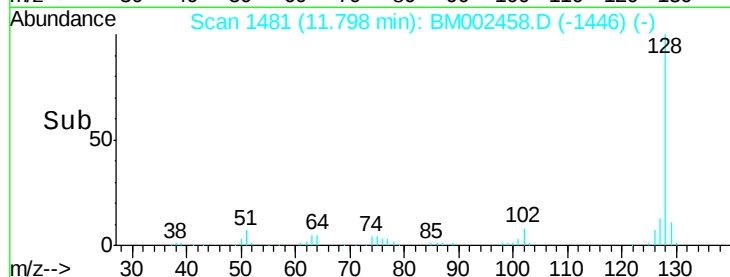
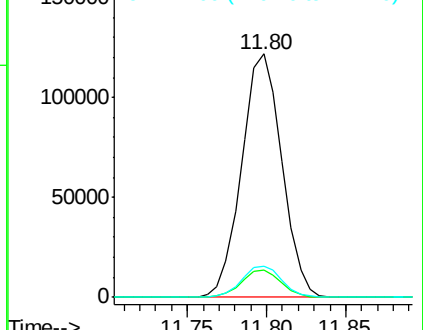
127 13.0 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 3.21 ng/ul

RT: 13.34 min Scan# 1743

Delta R.T. 0.00 min

Lab File: BM002458.D

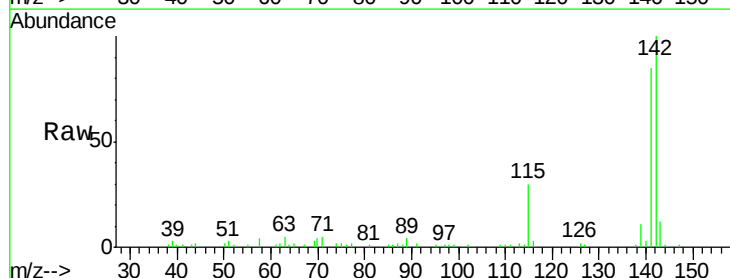
Acq: 17 Aug 2015 19:17

Tgt Ion:142 Resp: 82005

Ion Ratio Lower Upper

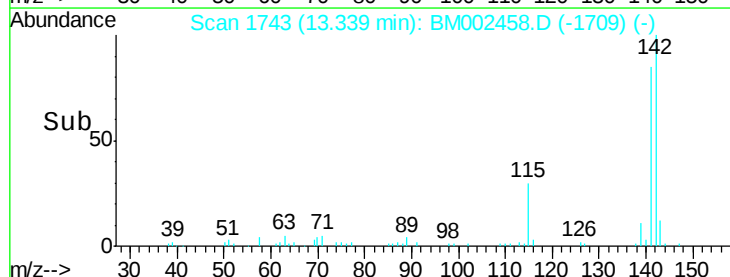
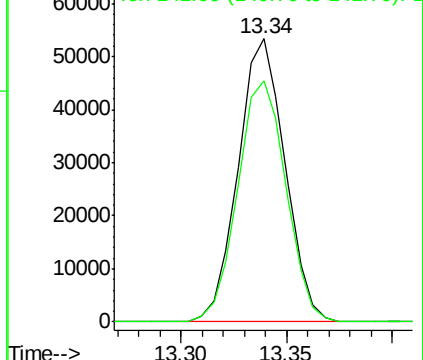
142 100

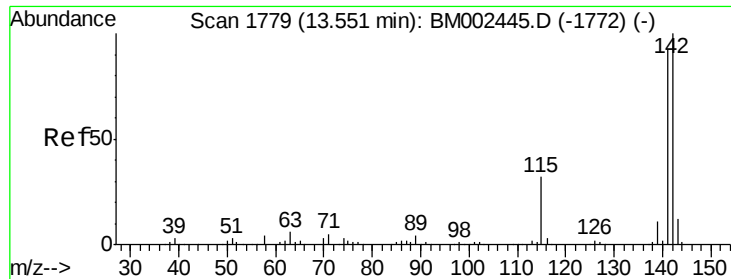
141 85.2 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 2.50 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BM002458.D

Acq: 17 Aug 2015 19:17

Instrument :

BNA_M

ClientSampleId :

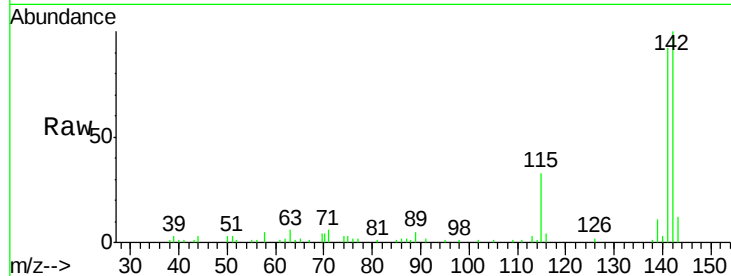
Tot Ion:142 Resp: 63200

Ion Ratio Lower Upper

142 100

141 92.2 73.9 110.9

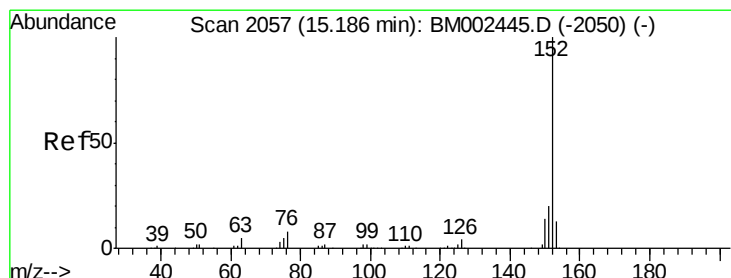
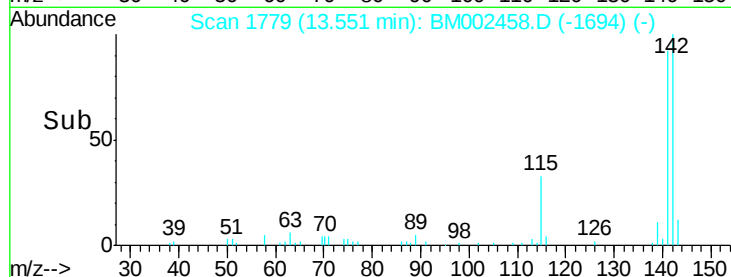
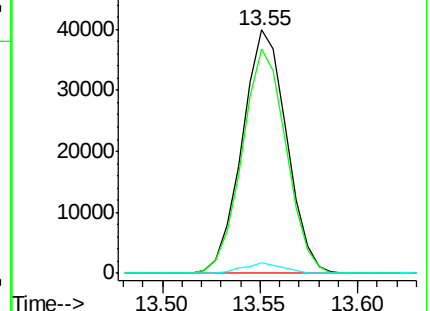
116 4.2 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 1.02 ng/ul

RT: 15.19 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BM002458.D

Acq: 17 Aug 2015 19:17

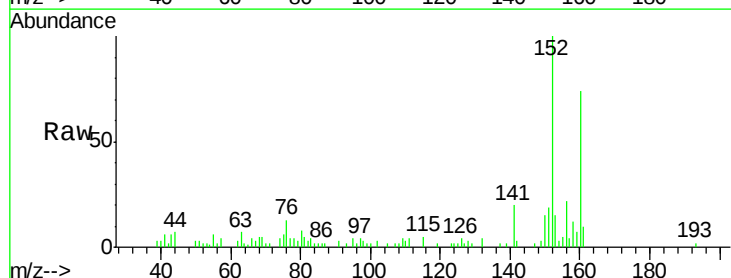
Tgt Ion:152 Resp: 37475

Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5

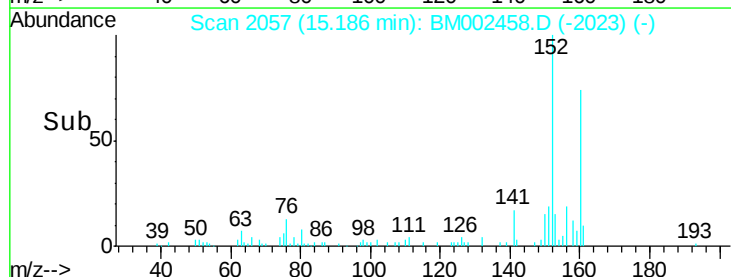
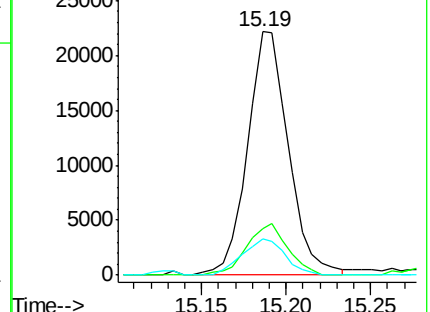
153 14.9 10.2 15.4

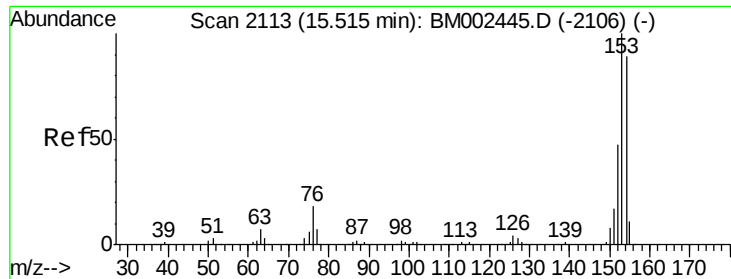


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 7.70 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BM002458.D

Acq: 17 Aug 2015 19:17

Instrument :

BNA_M

ClientSampleId :

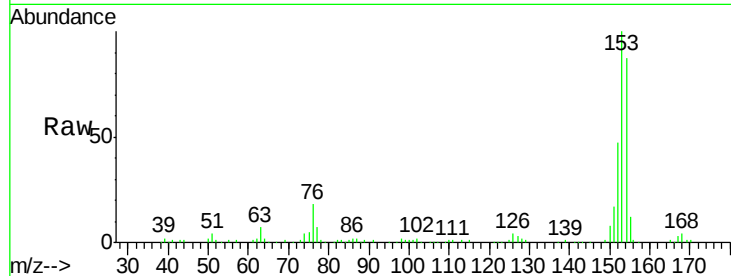
Tot Ion:153 Resp: 185572

Ion Ratio Lower Upper

153 100

152 46.8 36.9 55.3

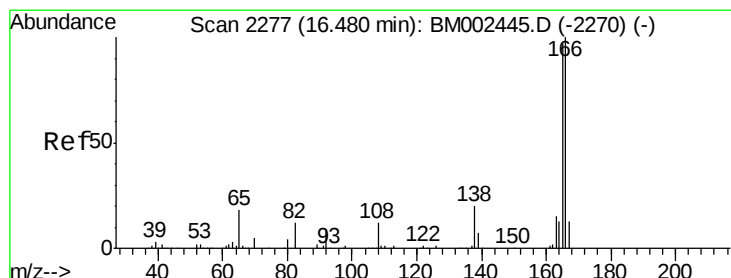
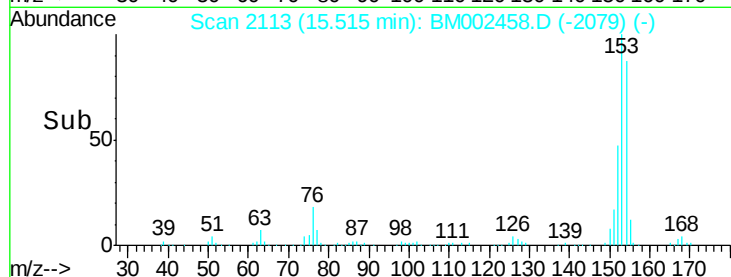
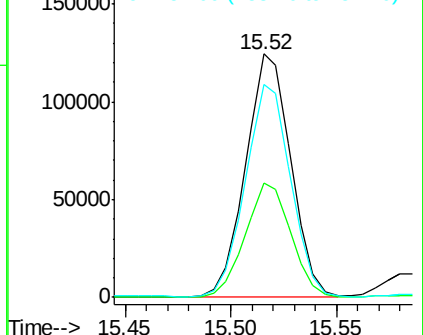
154 87.4 71.3 106.9



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: 7.35 ng/ul

RT: 16.48 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BM002458.D

Acq: 17 Aug 2015 19:17

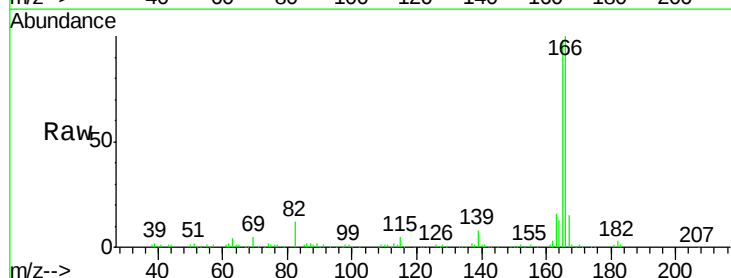
Tgt Ion:166 Resp: 203116

Ion Ratio Lower Upper

166 100

165 98.2 77.6 116.4

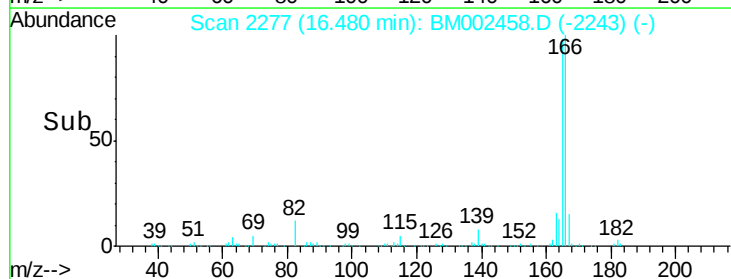
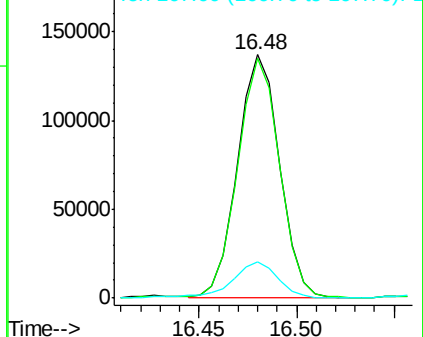
167 14.9 10.7 16.1

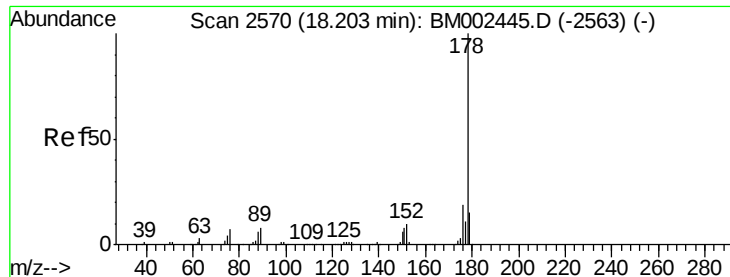


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 65.01 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. 0.01 min

Lab File: BM002458.D

Acq: 17 Aug 2015 19:17

Instrument :

BNA_M

ClientSampleId :

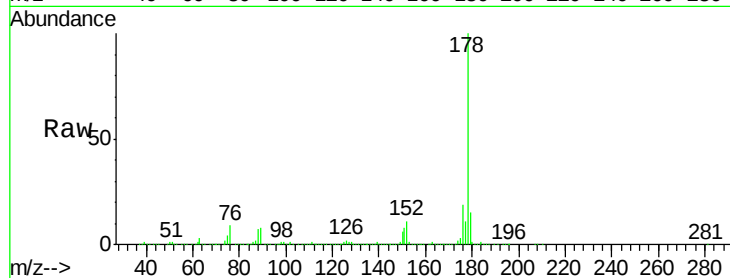
Tot Ion:178 Resp: 2415253

Ion Ratio Lower Upper

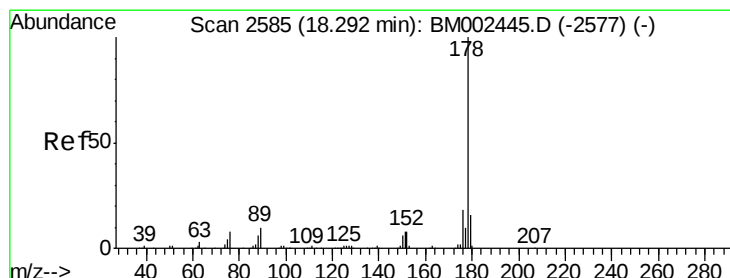
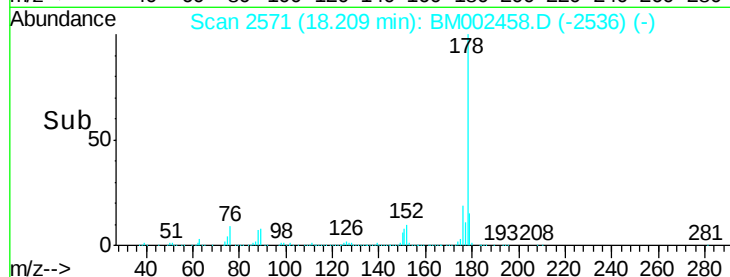
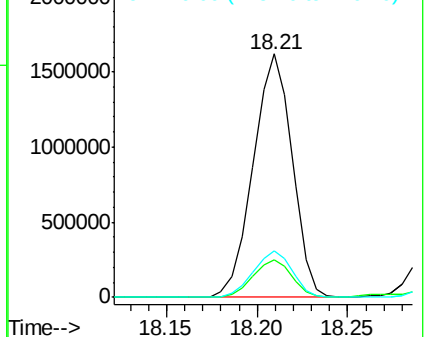
178 100

179 15.5 12.4 18.6

176 19.1 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#15

Anthracene

Concen: 14.58 ng/ul

RT: 18.30 min Scan# 2586

Delta R.T. 0.01 min

Lab File: BM002458.D

Acq: 17 Aug 2015 19:17

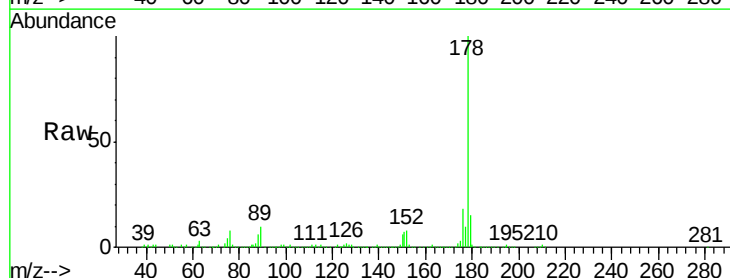
Tgt Ion:178 Resp: 549139

Ion Ratio Lower Upper

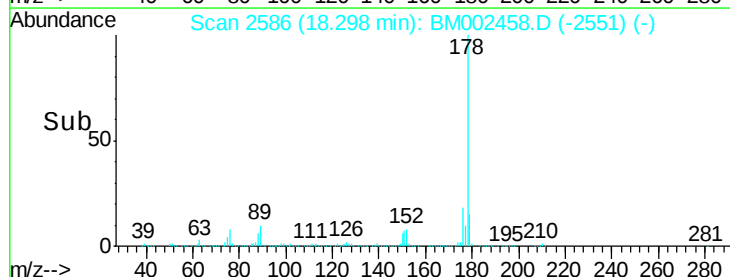
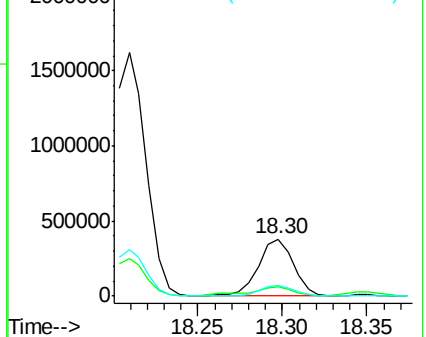
178 100

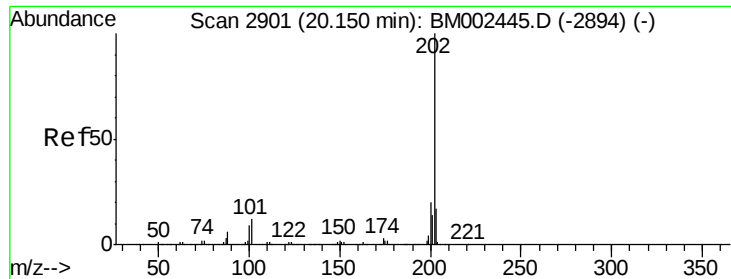
179 15.3 12.6 18.8

176 18.3 14.5 21.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

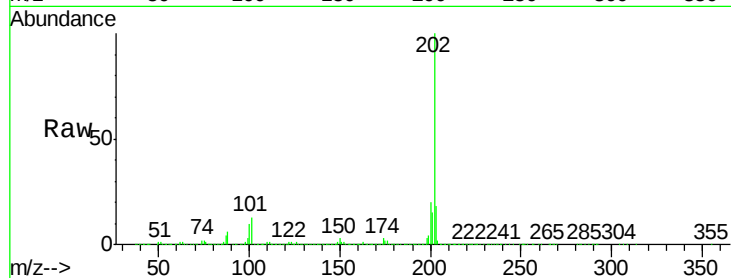




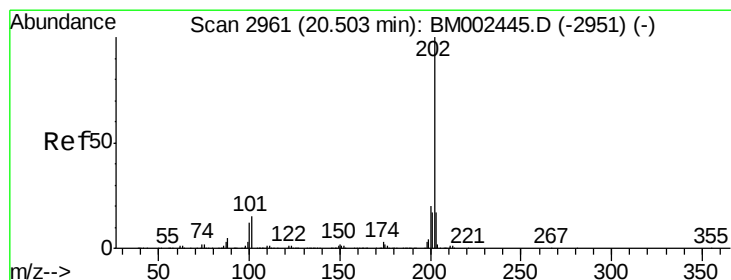
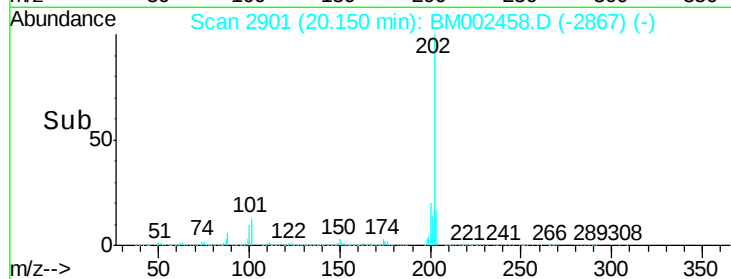
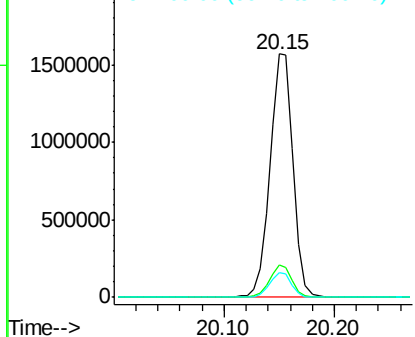
#16
Fluoranthene
Concen: 54.07 ng/ul
RT: 20.15 min Scan# 2901
Delta R.T. 0.00 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 2274058
Ion Ratio Lower Upper
202 100
101 13.4 9.7 14.5
100 10.1 7.4 11.2

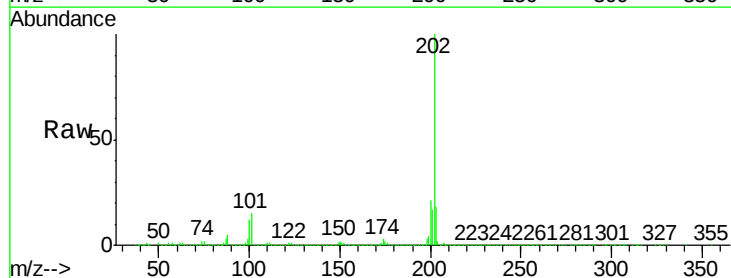


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

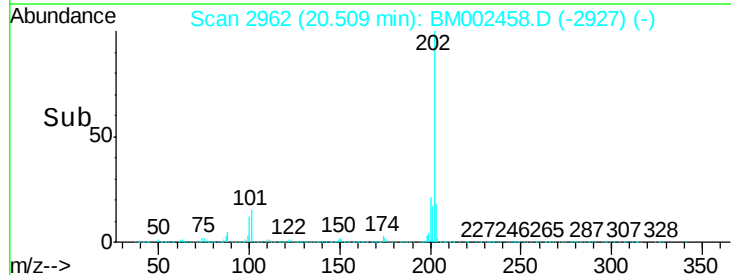
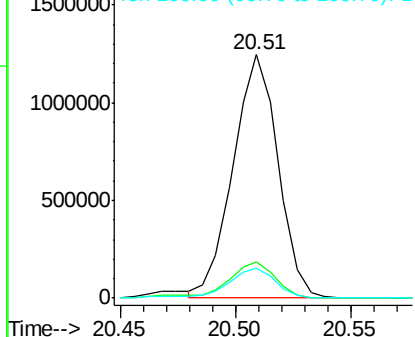


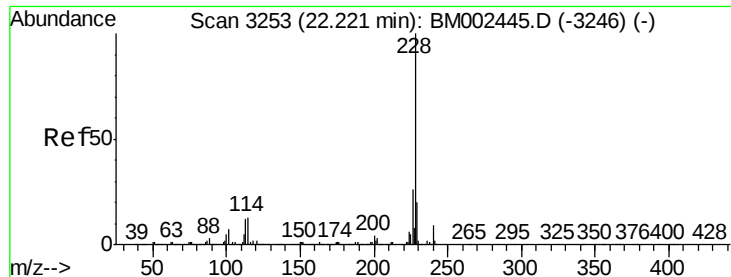
#19
Pyrene
Concen: 67.04 ng/ul
RT: 20.51 min Scan# 2962
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Tgt Ion:202 Resp: 1684235
Ion Ratio Lower Upper
202 100
101 15.0 12.0 18.0
100 12.3 9.7 14.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

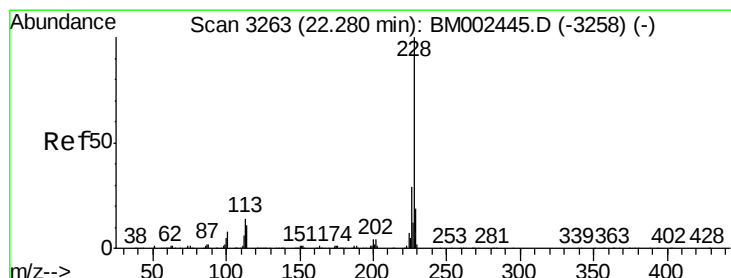
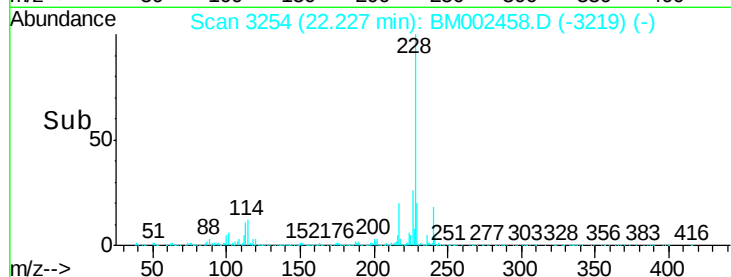
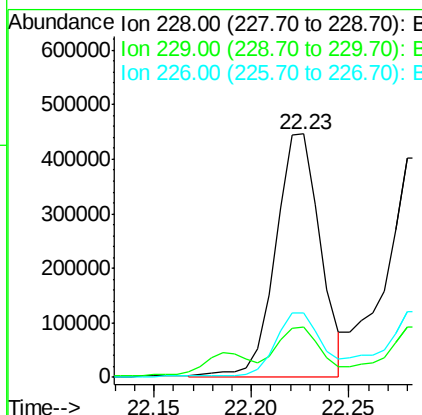
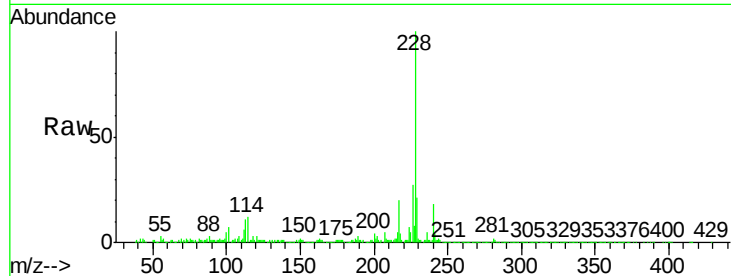




#20
Benzo(a)anthracene
Concen: 27.53 ng/ul
RT: 22.23 min Scan# 3254
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

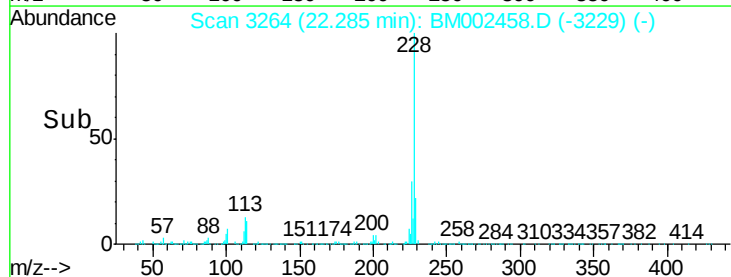
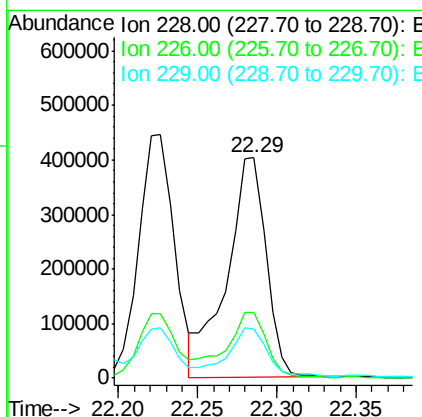
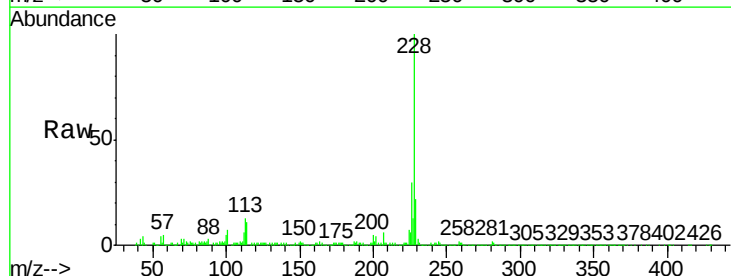
Instrument :
BNA_M
ClientSampleId :

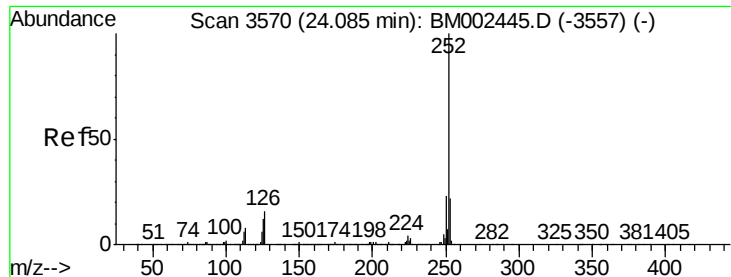
Tot Ion:228 Resp: 705908
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.6
226 26.6 21.1 31.7



#21
Chrysene
Concen: 28.92 ng/ul
RT: 22.29 min Scan# 3264
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Tgt Ion:228 Resp: 693672
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 22.4 15.7 23.5

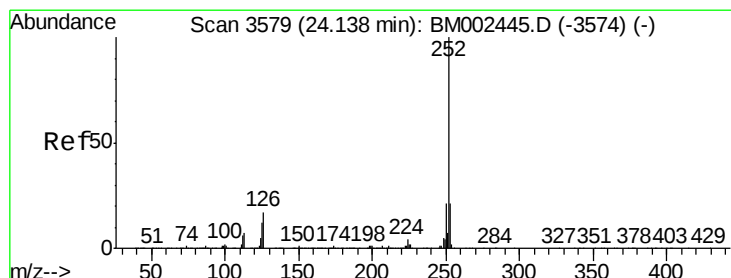
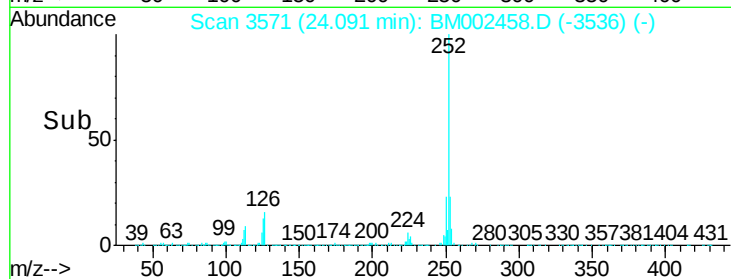
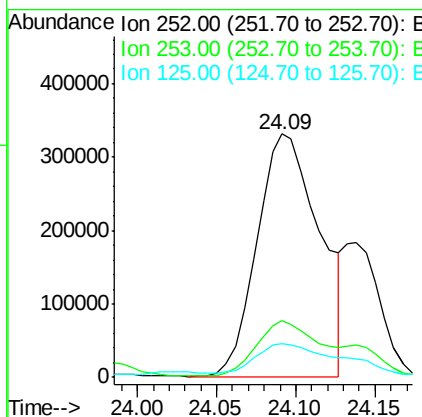
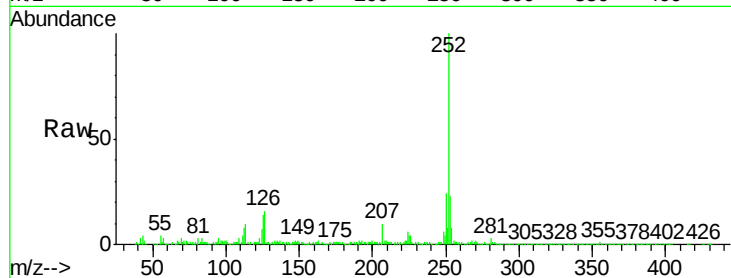




#23
Benzo(b)fluoranthene
Concen: 35.83 ng/ul
RT: 24.09 min Scan# 3571
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

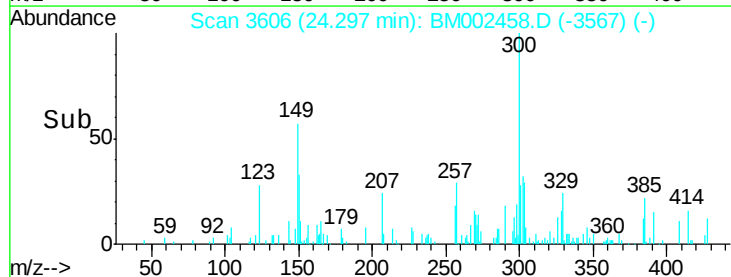
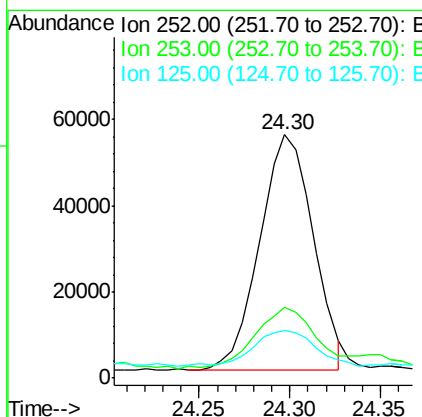
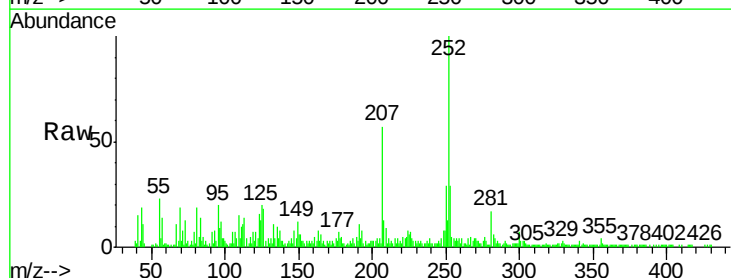
Instrument :
BNA_M
ClientSampleId :

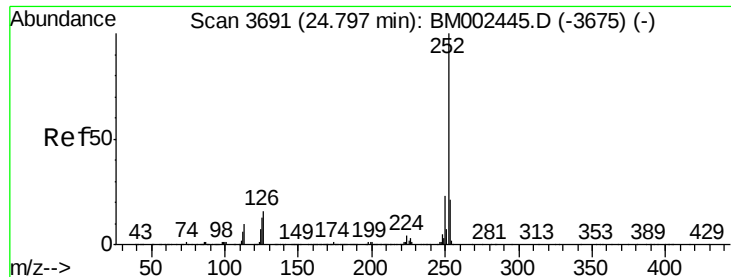
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	13.8	10.0	15.0



#24
Benzo(k)fluoranthene
Concen: 4.68 ng/ul
RT: 24.30 min Scan# 3606
Delta R.T. 0.16 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.8	26.6#
125	19.7	9.8	14.8#

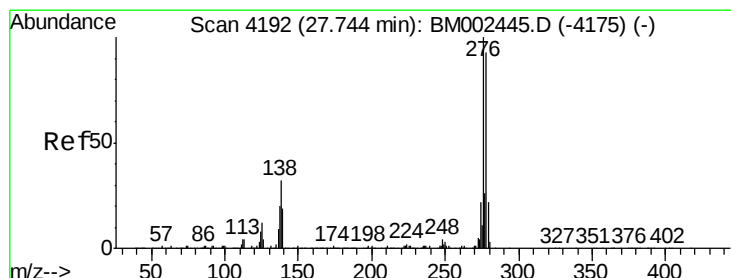
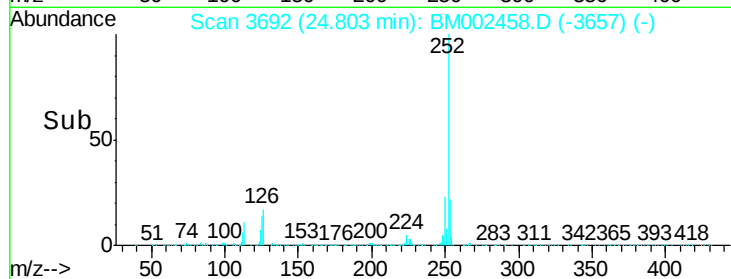
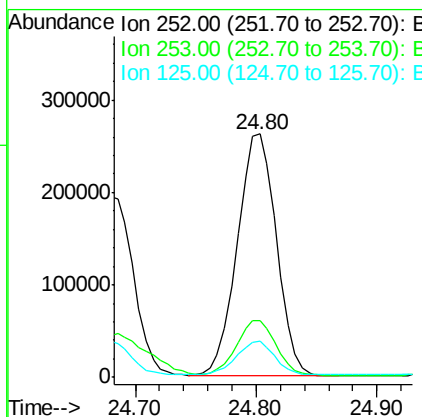
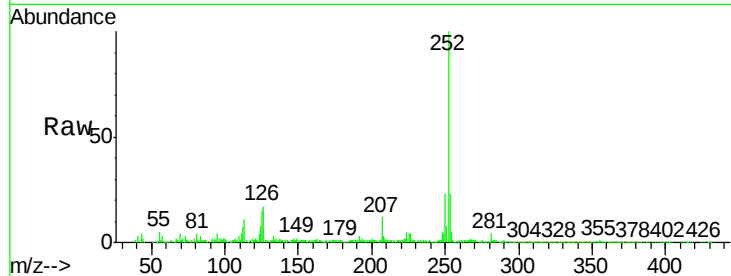




#26
Benzo(a)pyrene
Concen: 24.58 ng/ul
RT: 24.80 min Scan# 3692
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

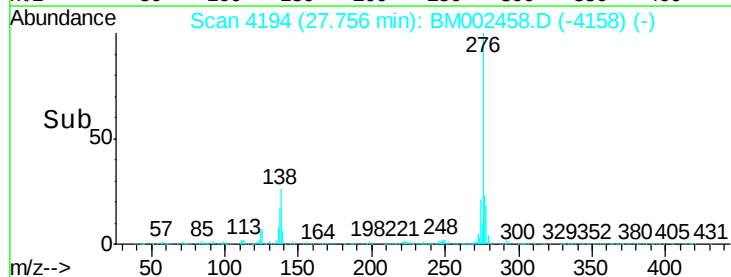
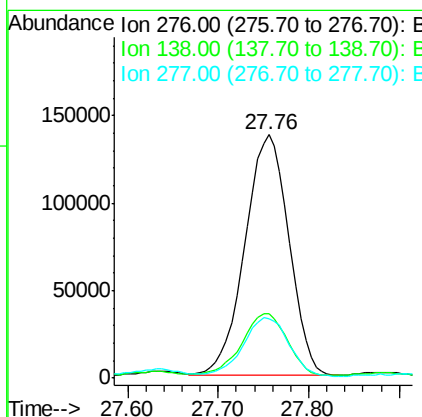
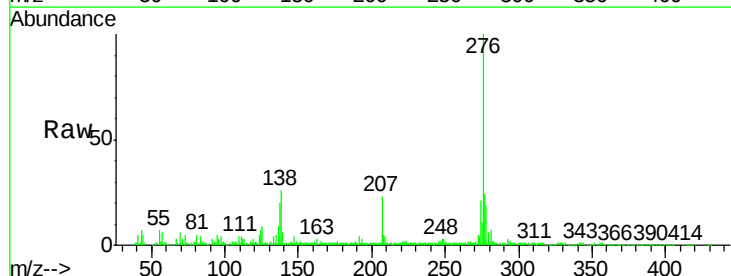
Instrument :
BNA_M
ClientSampleId :

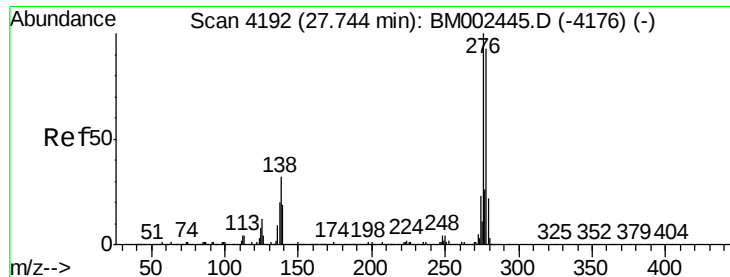
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	14.9	10.7	16.1



#27
Indeno(1,2,3-cd)pyrene
Concen: 16.72 ng/ul
RT: 27.76 min Scan# 4194
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.4	25.3	37.9
277	24.3	20.2	30.2





#28

Dibenzo(a,h)anthracene

Concen: 5.02 ng/ul

RT: 27.75 min Scan# 4193

Delta R.T. 0.01 min

Lab File: BM002458.D

Acq: 17 Aug 2015 19:17

Instrument :

BNA_M

ClientSampleId :

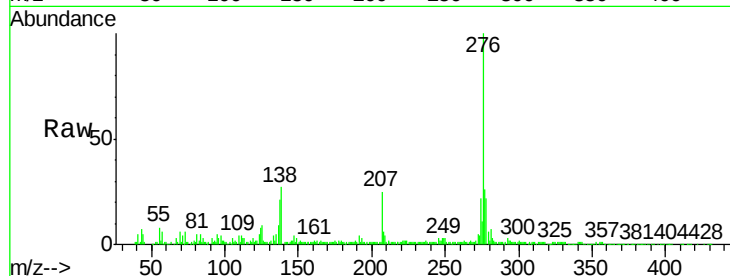
Tot Ion:278 Resp: 116536

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

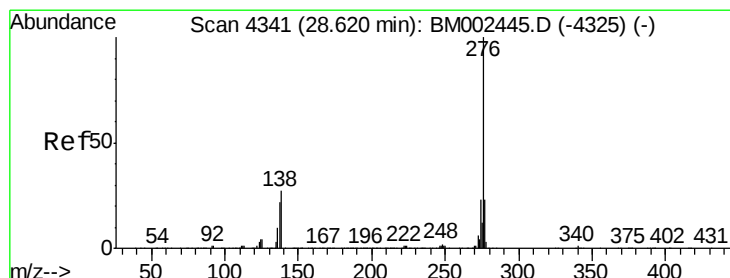
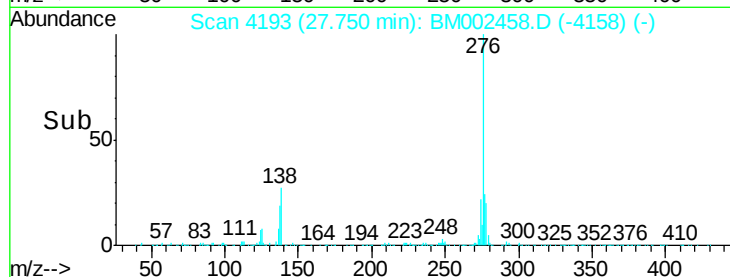
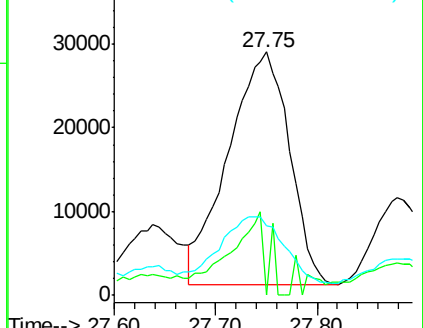
279 28.7 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#29

Benzo(g,h,i)perylene

Concen: 18.17 ng/ul

RT: 28.64 min Scan# 4345

Delta R.T. 0.02 min

Lab File: BM002458.D

Acq: 17 Aug 2015 19:17

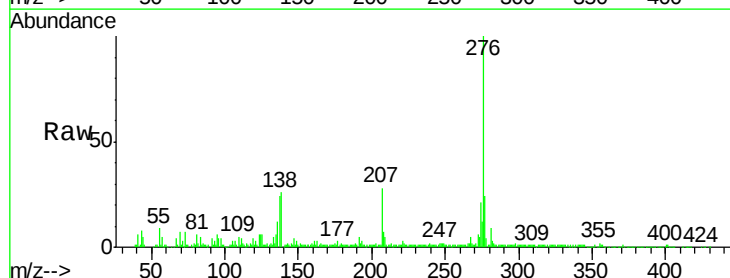
Tgt Ion:276 Resp: 419699

Ion Ratio Lower Upper

276 100

138 26.2 21.0 31.6

277 24.3 19.2 28.8



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

