

Data Path : Z:\HPCHEM1\BNA_M\Data\BM081215\
 Data File : BM002362.D
 Acq On : 12 Aug 2015 15:48
 Operator : UM/IZ
 Sample : G3163-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C95

Quant Time: Aug 12 18:11:04 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 17:25:11 2015
 Response via : Initial Calibration

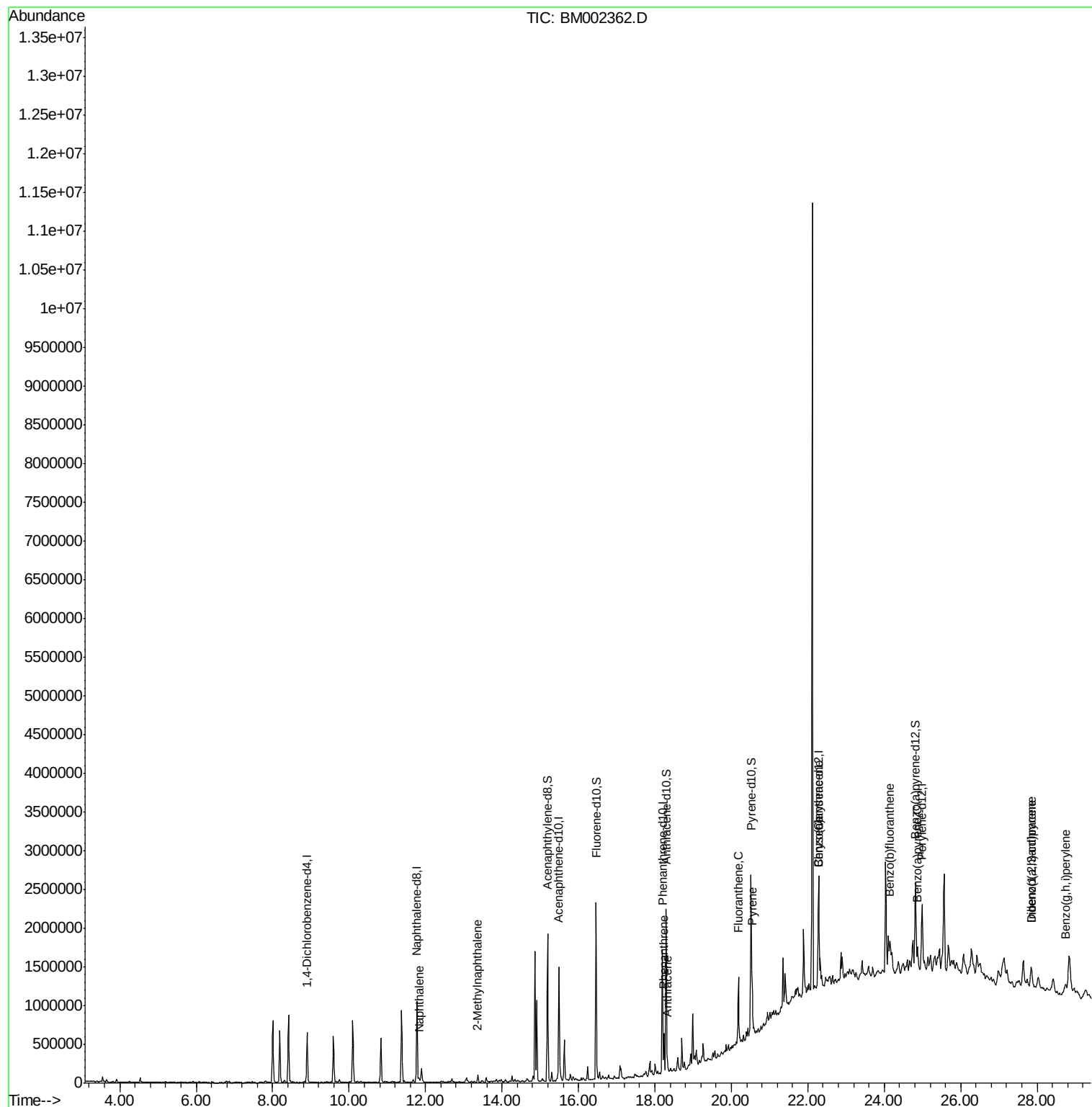
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	190193	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	929980	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	507968	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	939045	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	680066	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	658551	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.19	160	1391453	26.44	ng/ul	0.00
10) Fluorene-d10	16.46	176	925078	25.28	ng/ul	0.00
14) Anthracene-d10	18.29	188	1205091	26.45	ng/ul	0.00
18) Pyrene-d10	20.52	212	1006219	30.51	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	890723	25.47	ng/ul	0.02
Target Compounds						
3) Naphthalene	11.83	128	57092	1.17	ng/ul	Qvalue 99
4) 2-Methylnaphthalene	13.37	142	41685	1.19	ng/ul	99
13) Phenanthrene	18.24	178	313685	5.80	ng/ul	100
15) Anthracene	18.33	178	70269	1.26	ng/ul	96
16) Fluoranthene	20.19	202	527788	8.82	ng/ul	98
19) Pyrene	20.54	202	415614	9.45	ng/ul	96
20) Benzo(a)anthracene	22.27	228	234975	5.66	ng/ul	96
21) Chrysene	22.27	228	234622	5.96	ng/ul	95
23) Benzo(b)fluoranthene	24.16	252	374185	9.14	ng/ul#	93
26) Benzo(a)pyrene	24.87	252	213744	5.46	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	27.85	276	173521	3.87	ng/ul	99
28) Dibenzo(a,h)anthracene	27.86	278	50579	1.33	ng/ul#	62
29) Benzo(g,h,i)perylene	28.74	276	168497	4.45	ng/ul	93

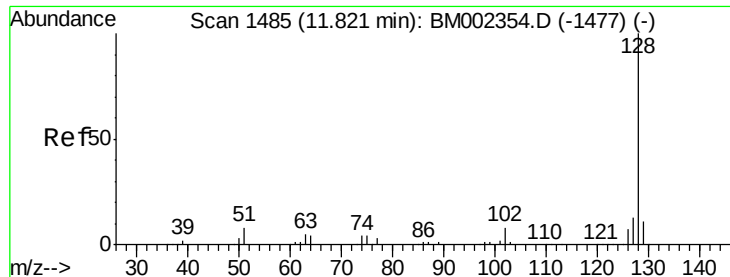
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Naphthalene

Concen: 1.17 ng/ul

RT: 11.83 min Scan# 1486

Delta R.T. 0.01 min

Lab File: BM002362.D

Acq: 12 Aug 2015 15:48

Instrument :

BNA_M

ClientSampleId :

D9C95

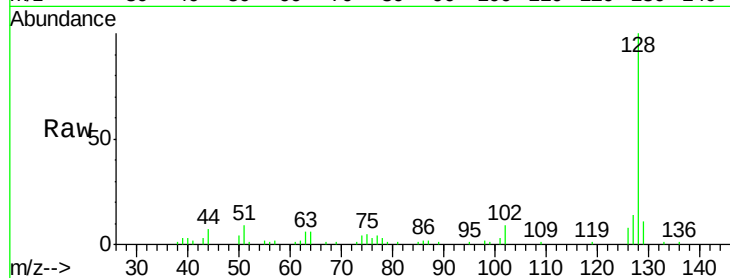
Tgt Ion:128 Resp: 57092

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

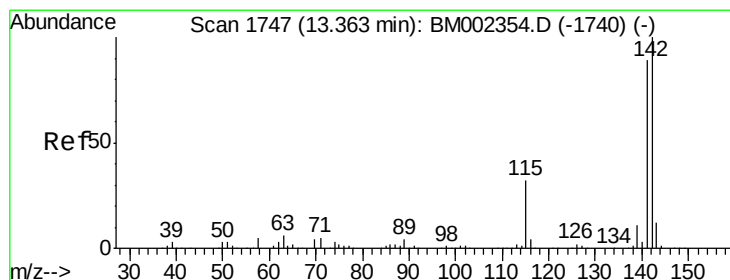
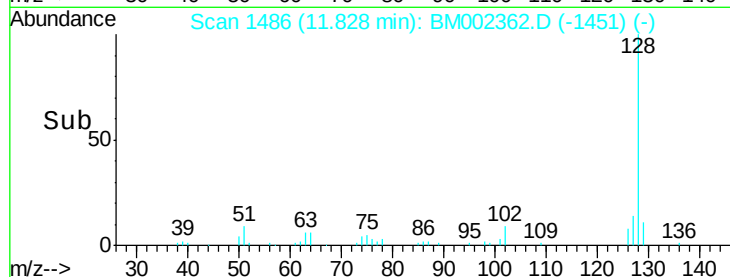
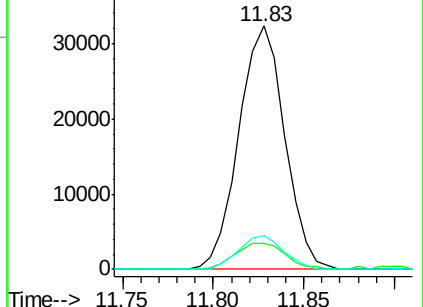
127 13.7 10.4 15.6



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: 1.19 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. 0.01 min

Lab File: BM002362.D

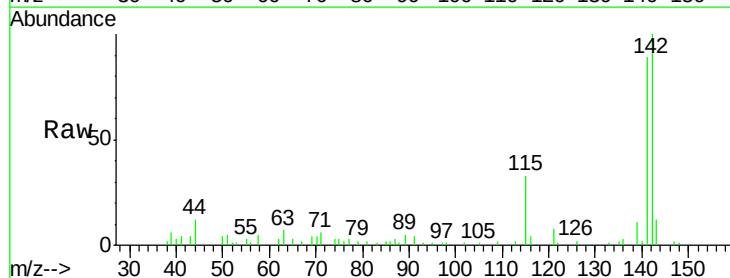
Acq: 12 Aug 2015 15:48

Tgt Ion:142 Resp: 41685

Ion Ratio Lower Upper

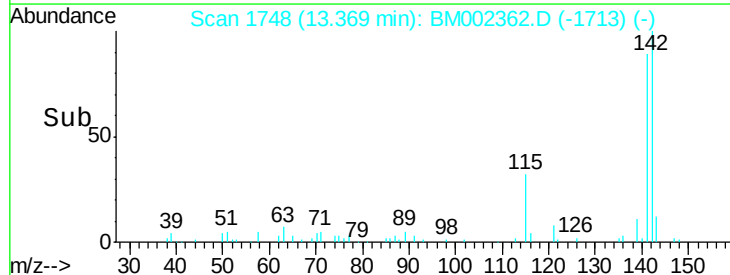
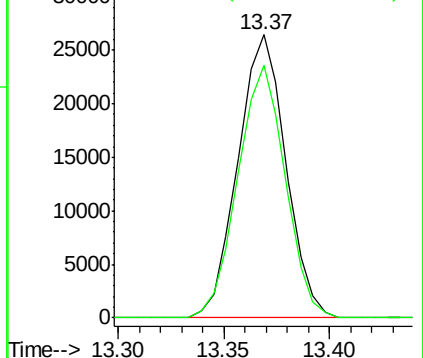
142 100

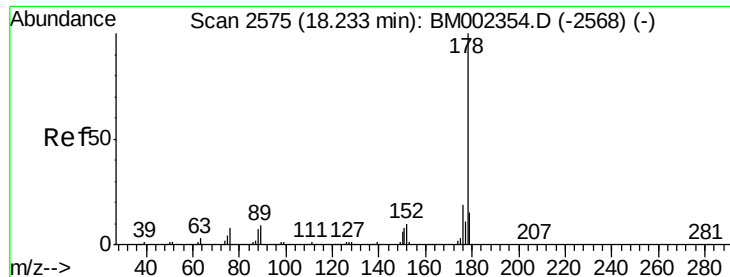
141 89.4 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#13

Phenanthrene

Concen: 5.80 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BM002362.D

Acq: 12 Aug 2015 15:48

Instrument :

BNA_M

ClientSampleId :

D9C95

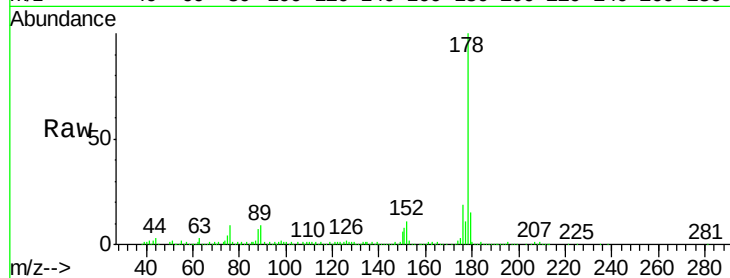
Tgt Ion:178 Resp: 313685

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

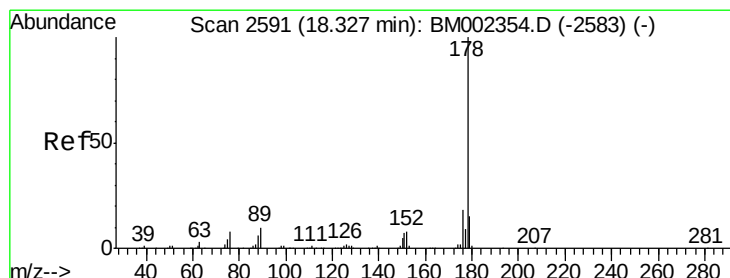
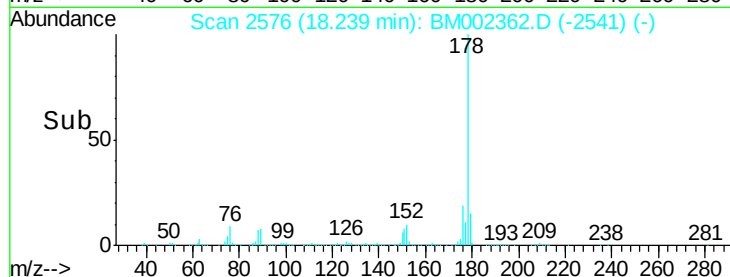
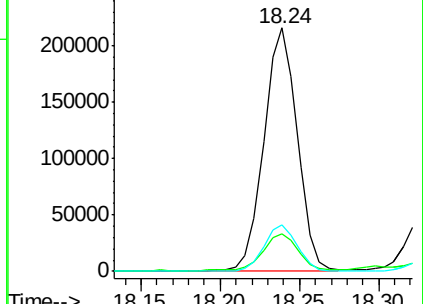
176 19.3 15.3 22.9



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: 1.26 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. 0.00 min

Lab File: BM002362.D

Acq: 12 Aug 2015 15:48

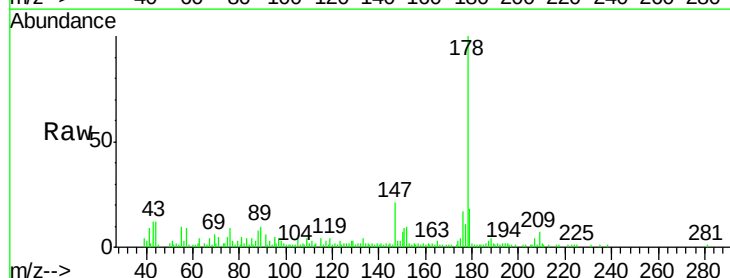
Tgt Ion:178 Resp: 70269

Ion Ratio Lower Upper

178 100

179 18.3 12.3 18.5

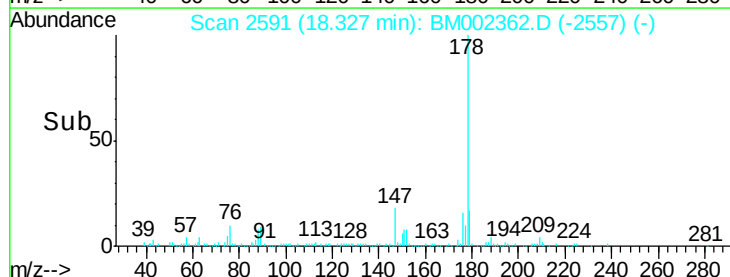
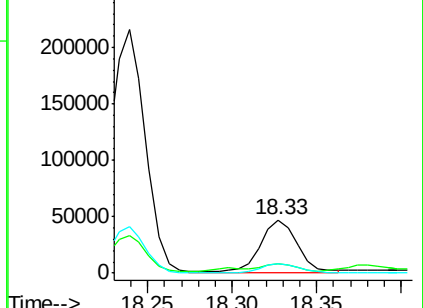
176 17.1 14.5 21.7

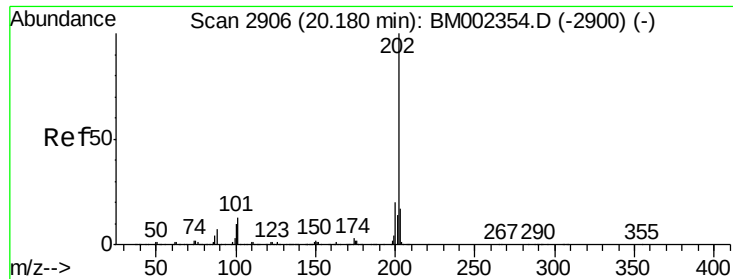


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

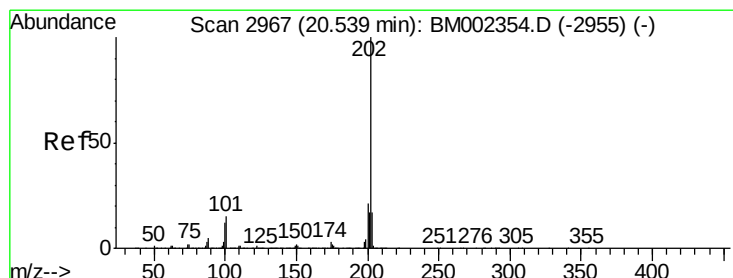
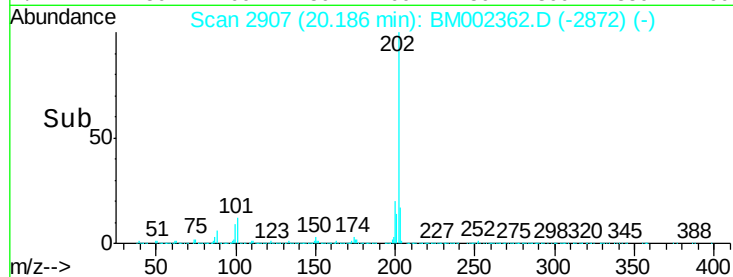
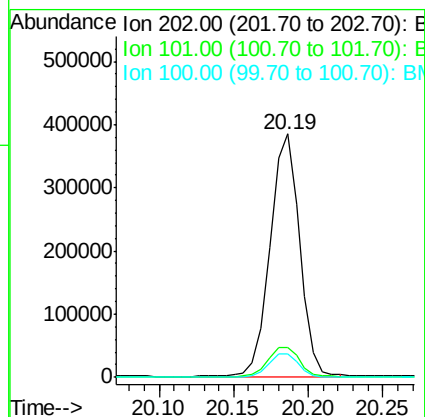
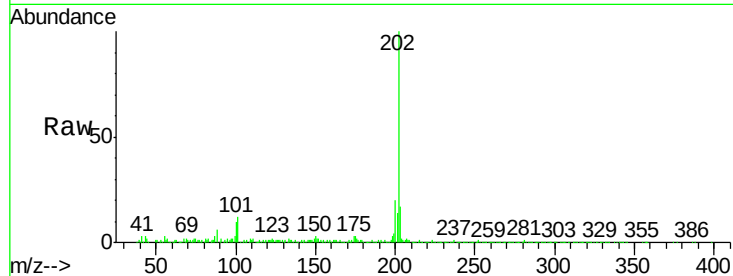




#16
Fluoranthene
Concen: 8.82 ng/ul
RT: 20.19 min Scan# 2907
Delta R.T. 0.01 min
Lab File: BM002362.D
Acq: 12 Aug 2015 15:48

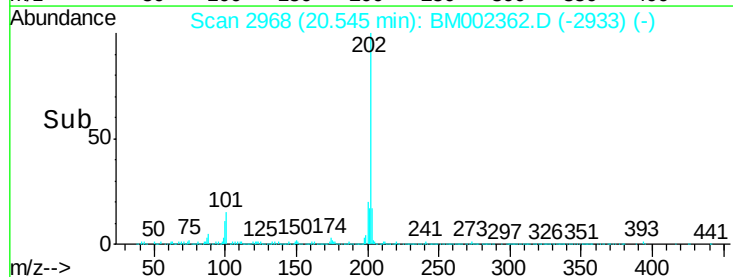
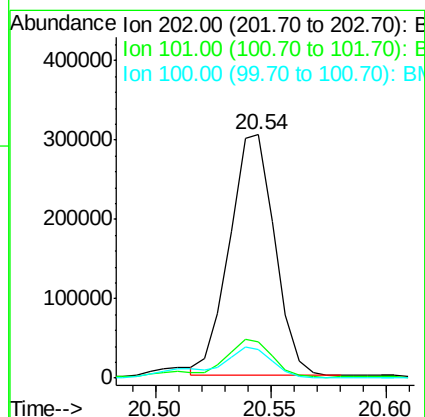
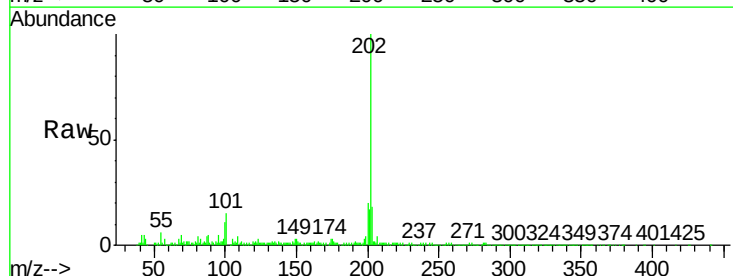
Instrument :
BNA_M
ClientSampleId :
D9C95

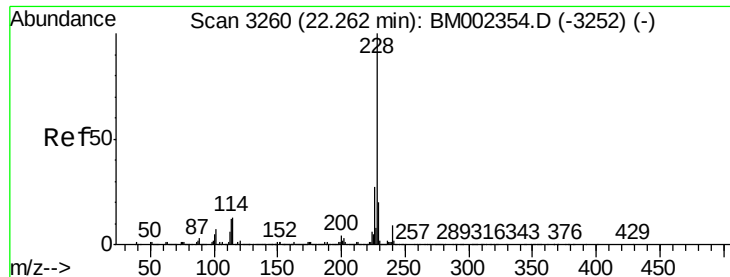
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	10.6	15.8
100	9.5	8.2	12.4



#19
Pyrene
Concen: 9.45 ng/ul
RT: 20.54 min Scan# 2968
Delta R.T. 0.01 min
Lab File: BM002362.D
Acq: 12 Aug 2015 15:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	13.0	19.6
100	11.5	11.0	16.4





#20

Benzo(a)anthracene

Concen: 5.66 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.01 min

Lab File: BM002362.D

Acq: 12 Aug 2015 15:48

Instrument :

BNA_M

ClientSampleId :

D9C95

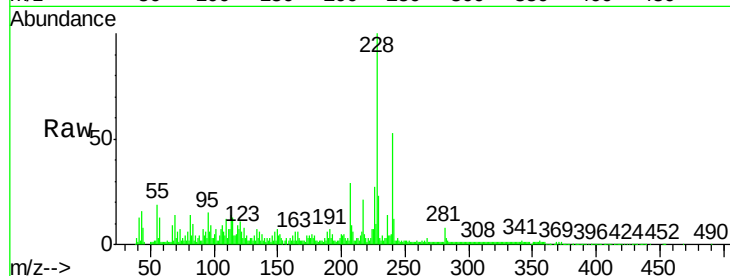
Tgt Ion:228 Resp: 234975

Ion Ratio Lower Upper

228 100

229 22.9 15.7 23.5

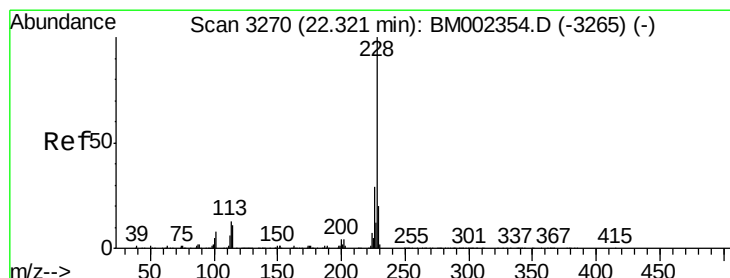
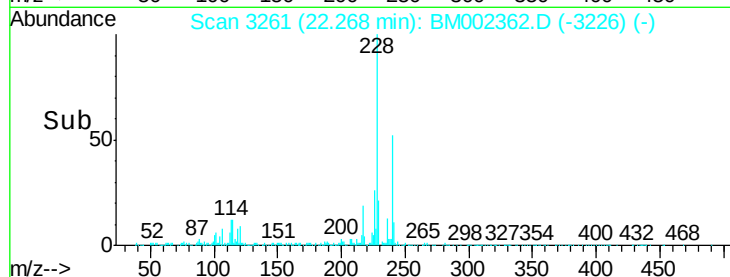
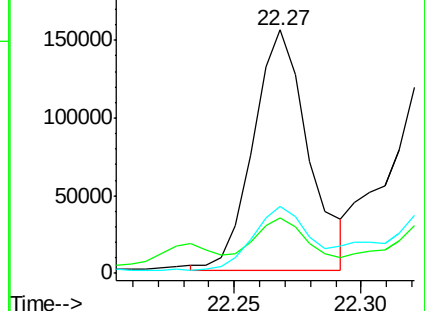
226 27.3 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#21

Chrysene

Concen: 5.96 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.05 min

Lab File: BM002362.D

Acq: 12 Aug 2015 15:48

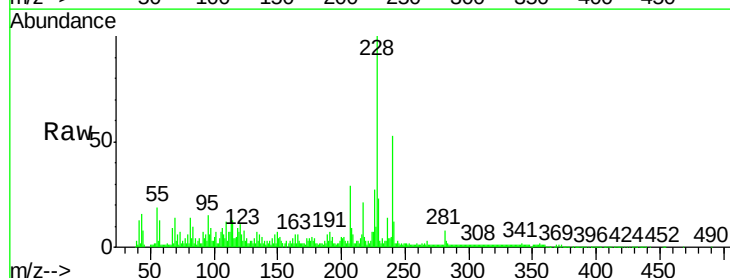
Tgt Ion:228 Resp: 234622

Ion Ratio Lower Upper

228 100

226 27.3 23.4 35.0

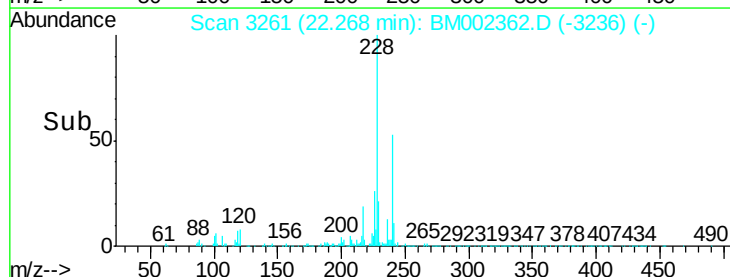
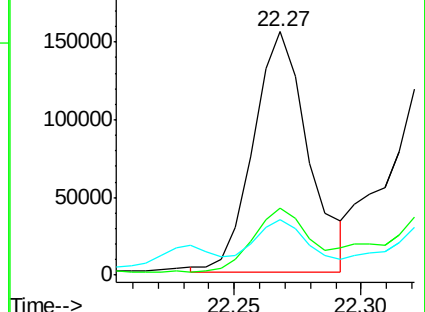
229 22.9 15.5 23.3

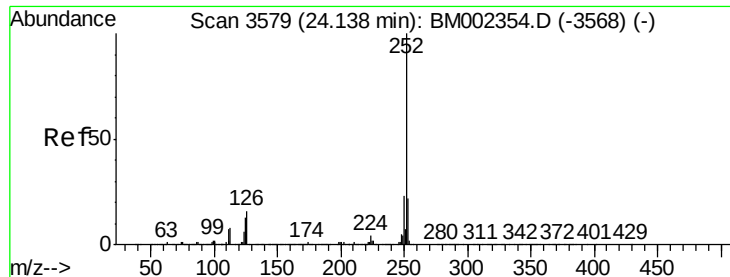


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 9.14 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. 0.02 min

Lab File: BM002362.D

Acq: 12 Aug 2015 15:48

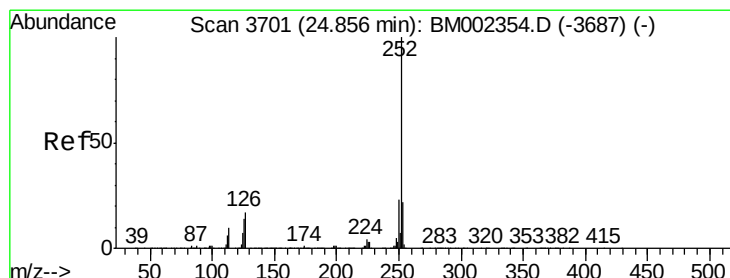
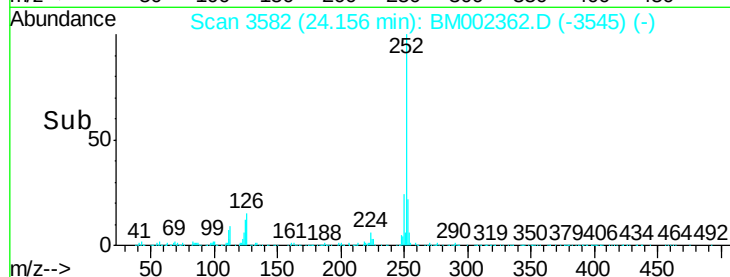
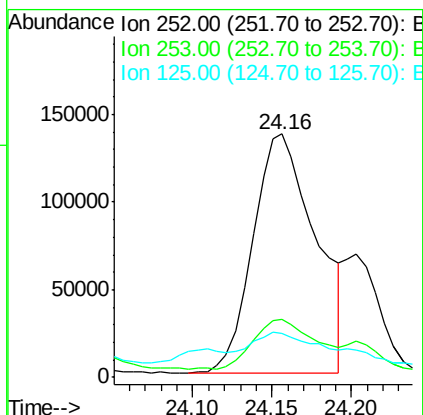
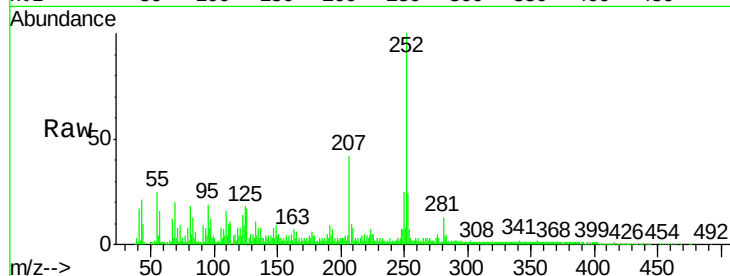
Instrument :

BNA_M

ClientSampleId :

D9C95

Tgt Ion:	252	Resp:	374185
Ion Ratio		Lower	Upper
252	100		
253	24.0	17.9	26.9
125	18.0	10.3	15.5#



#26

Benzo(a)pyrene

Concen: 5.46 ng/ul

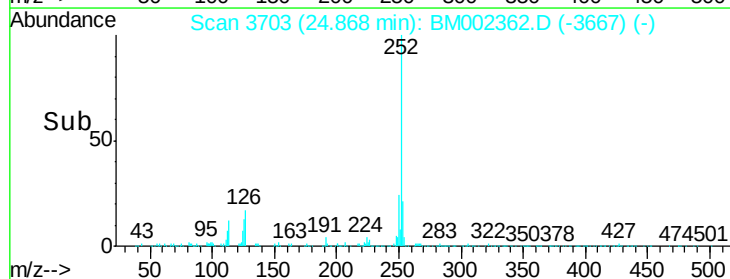
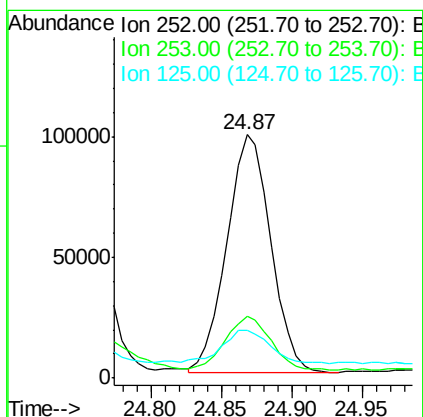
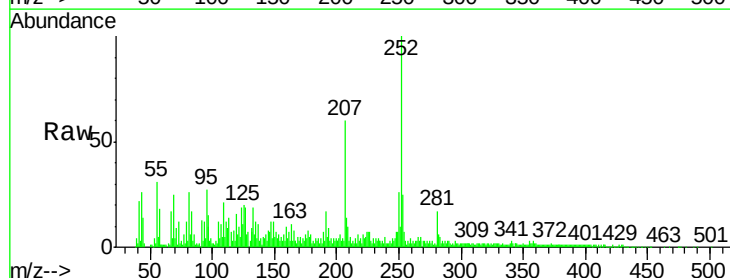
RT: 24.87 min Scan# 3703

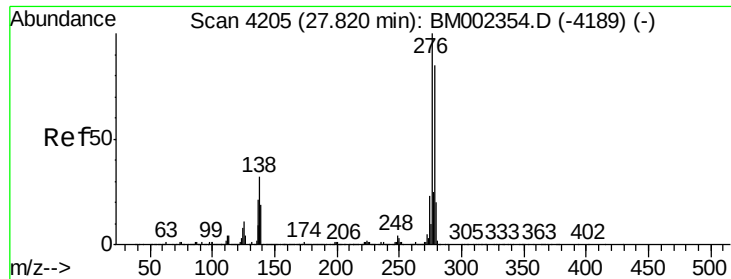
Delta R.T. 0.01 min

Lab File: BM002362.D

Acq: 12 Aug 2015 15:48

Tgt Ion:	252	Resp:	213744
Ion Ratio		Lower	Upper
252	100		
253	25.2	17.3	25.9
125	19.6	11.0	16.6#





#27

Indeno(1,2,3-cd)pyrene

Concen: 3.87 ng/ul

RT: 27.85 min Scan# 4210

Delta R.T. 0.03 min

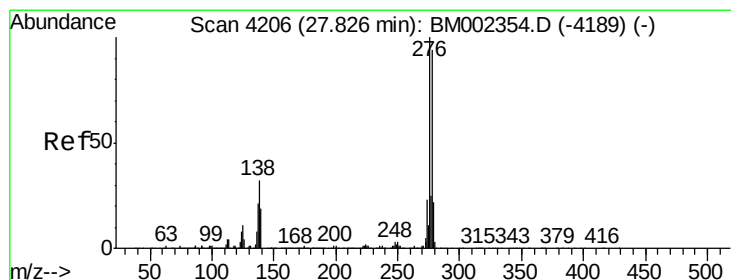
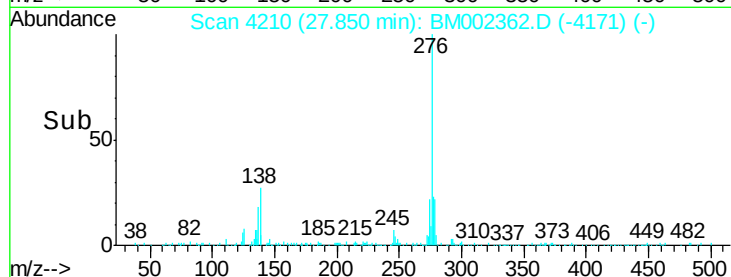
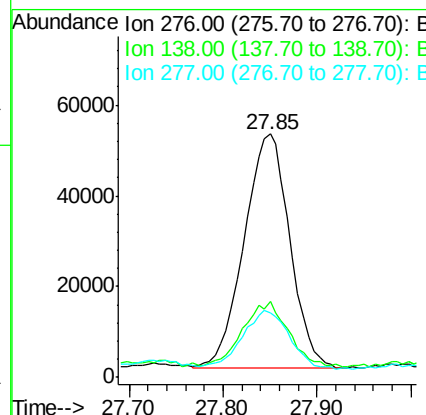
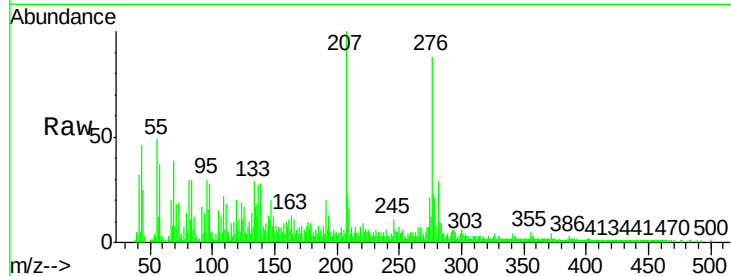
Lab File: BM002362.D

Acq: 12 Aug 2015 15:48

Instrument :
BNA_M
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D9C95

Tgt Ion: 276 Resp: 173521

Ion	Ratio	Lower	Upper
276	100		
138	31.4	25.6	38.4
277	26.6	21.0	31.4



#28

Dibenzo(a,h)anthracene

Concen: 1.33 ng/ul

RT: 27.86 min Scan# 4211

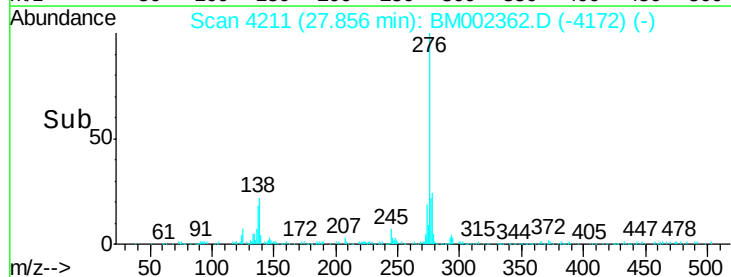
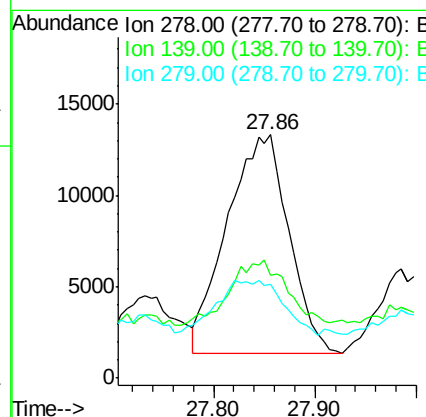
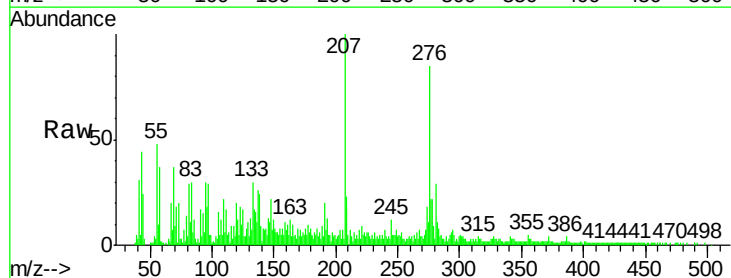
Delta R.T. 0.03 min

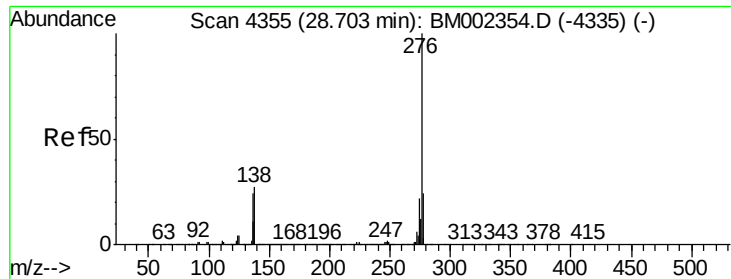
Lab File: BM002362.D

Acq: 12 Aug 2015 15:48

Tgt Ion: 278 Resp: 50579

Ion	Ratio	Lower	Upper
278	100		
139	42.0	16.4	24.6#
279	38.5	18.8	28.2#





#29

Benzo(g,h,i)perylene

Concen: 4.45 ng/ul

RT: 28.74 min Scan# 4361

Delta R.T. 0.04 min

Lab File: BM002362.D

Acq: 12 Aug 2015 15:48

Instrument :

BNA_M

ClientSampleId :

D9C95

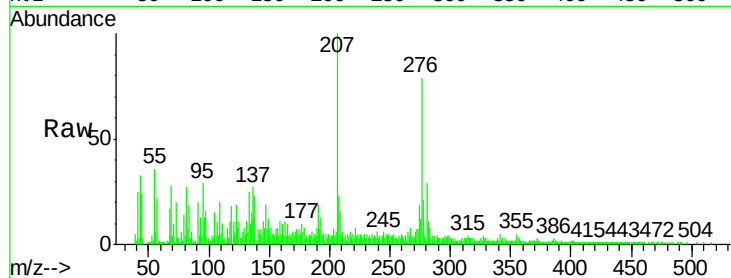
Tgt Ion:276 Resp: 168497

Ion Ratio Lower Upper

276 100

138 29.5 20.5 30.7

277 26.6 19.0 28.6



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

