

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002417.D
 Acq On : 15 Aug 2015 10:20
 Operator : UM/IZ
 Sample : G3219-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 02:56:24 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:54:04 2015
 Response via : Initial Calibration

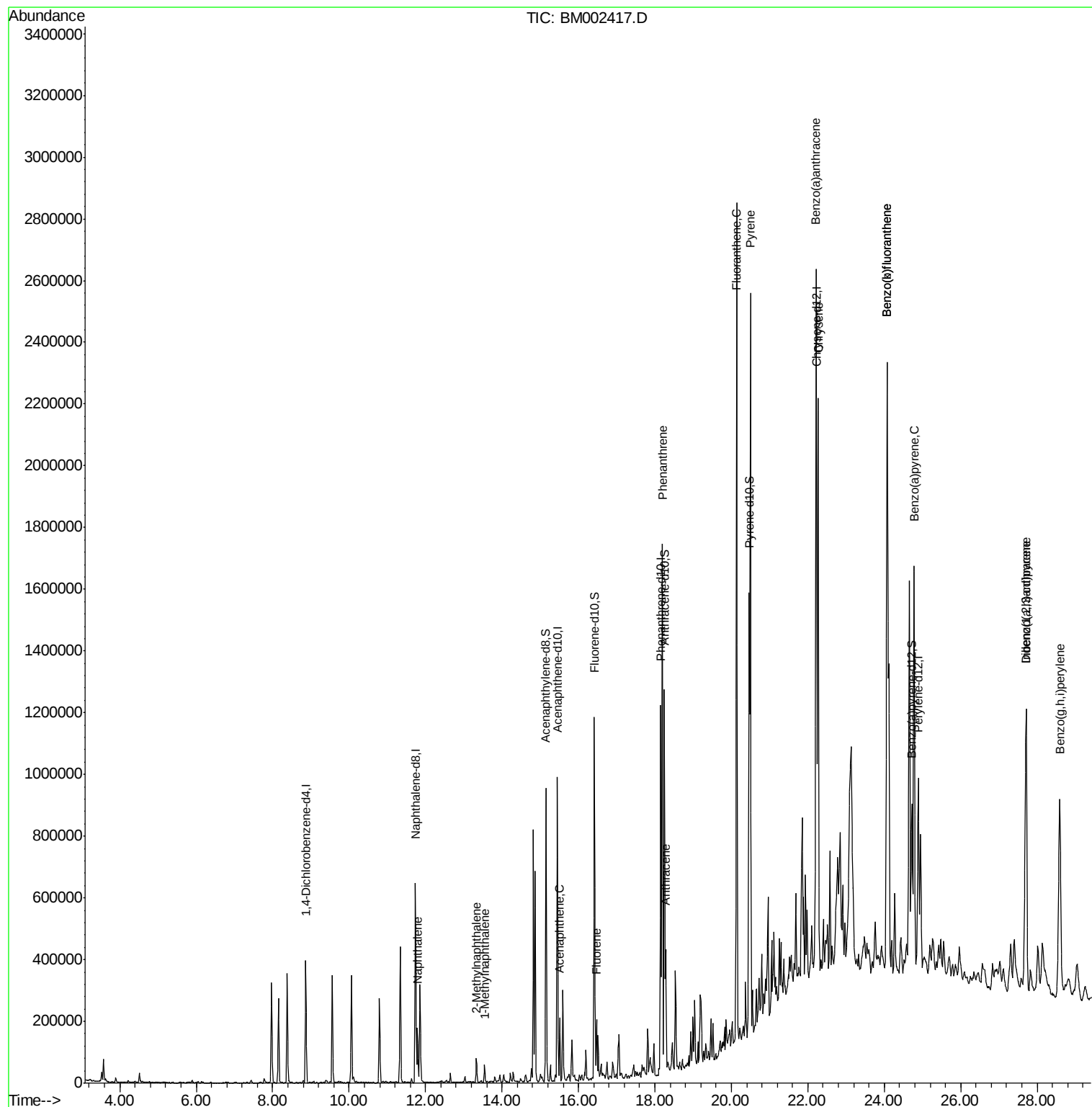
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	119646	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	586717	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.44	164	341203	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	725909	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	650845	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	528338	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	716865	20.55	ng/ul	0.00
10) Fluorene-d10	16.42	176	473545	19.33	ng/ul	0.00
14) Anthracene-d10	18.25	188	695703	19.87	ng/ul	0.00
18) Pyrene-d10	20.47	212	678302	23.51	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.72	264	481024	17.33	ng/ul	0.01
Target Compounds				Ovalue		
3) Naphthalene	11.79	128	159559	5.33	ng/ul	99
4) 2-Methylnaphthalene	13.33	142	41092	1.83	ng/ul	99
5) 1-Methylnaphthalene	13.55	142	29032	1.31	ng/ul	99
9) Acenaphthene	15.51	153	82475	3.43	ng/ul	98
11) Fluorene	16.47	166	90609	3.29	ng/ul	99
13) Phenanthrene	18.20	178	1102077	26.29	ng/ul	100
15) Anthracene	18.29	178	253028	5.96	ng/ul	100
16) Fluoranthene	20.14	202	1648874	34.74	ng/ul	98
19) Pyrene	20.50	202	1393828	36.56	ng/ul	99
20) Benzo(a)anthracene	22.21	228	1043222	26.80	ng/ul	98
21) Chrysene	22.27	228	1206237	33.14	ng/ul	98
23) Benzo(b)fluoranthene	24.07	252	2085004	65.28	ng/ul	99
24) Benzo(k)fluoranthene	24.07	252	522395	17.26	ng/ul	99
26) Benzo(a)pyrene	24.78	252	1149243	37.67	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.71	276	986622	28.12	ng/ul	94
28) Dibenzo(a,h)anthracene	27.71	278	318772	10.87	ng/ul#	78
29) Benzo(g,h,i)perylene	28.59	276	887974	30.40	ng/ul	99

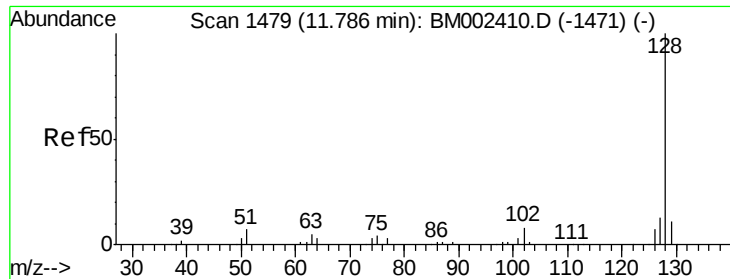
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 5.33 ng/ul

RT: 11.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM002417.D

Acq: 15 Aug 2015 10:20

Instrument :

BNA_M

ClientSampleId :

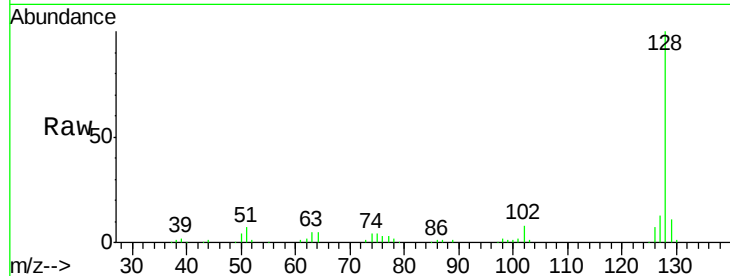
Tot Ion:128 Resp: 159559

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

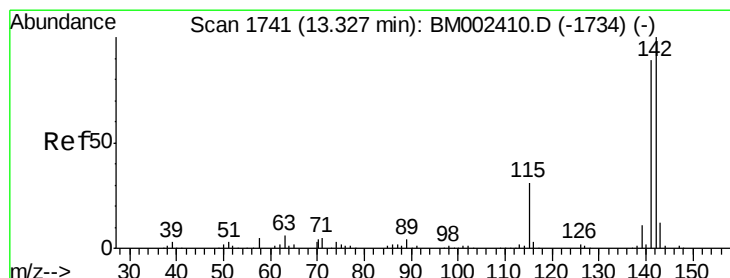
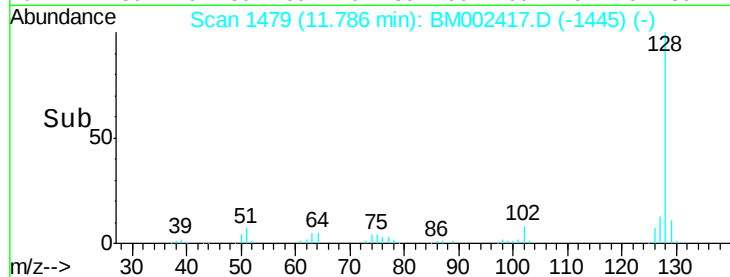
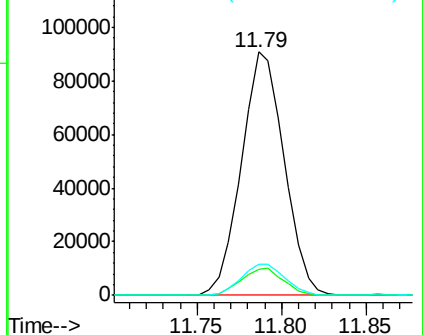
127 12.7 10.4 15.6



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: 1.83 ng/ul

RT: 13.33 min Scan# 1741

Delta R.T. 0.00 min

Lab File: BM002417.D

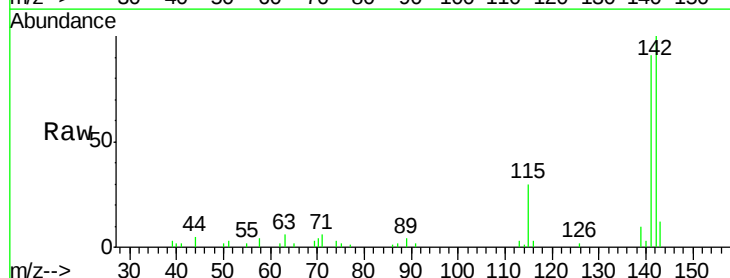
Acq: 15 Aug 2015 10:20

Tgt Ion:142 Resp: 41092

Ion Ratio Lower Upper

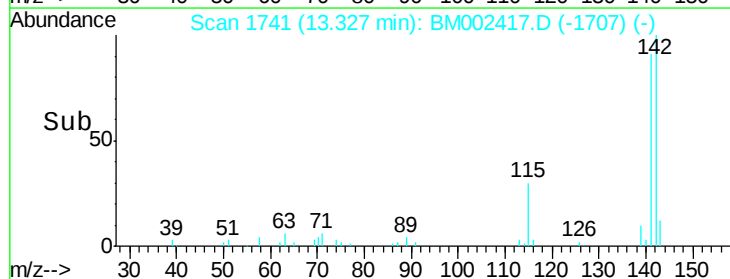
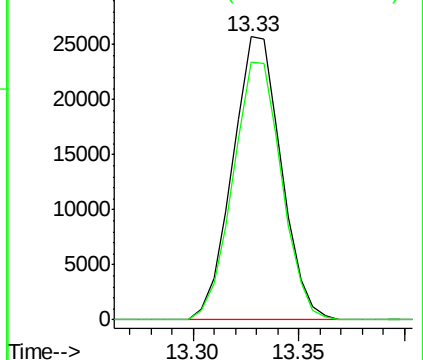
142 100

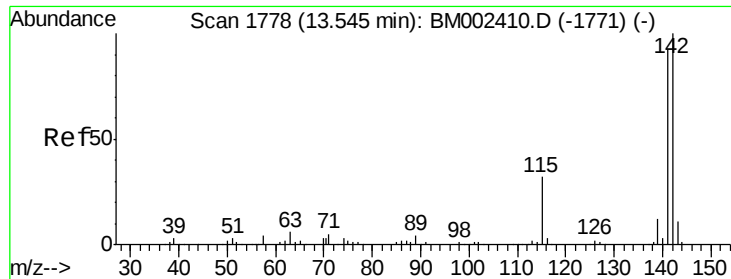
141 90.8 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.31 ng/ul

RT: 13.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BM002417.D

Acq: 15 Aug 2015 10:20

Instrument :

BNA_M

ClientSampled :

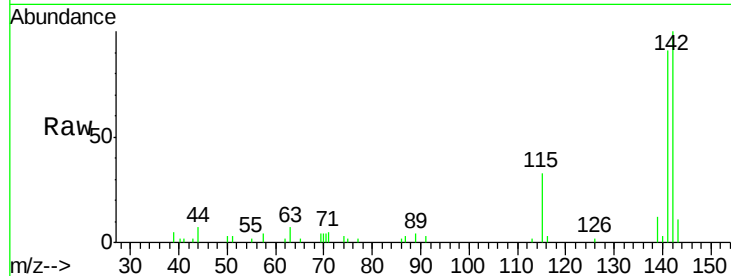
Tot Ion:142 Resp: 29032

Ion Ratio Lower Upper

142 100

141 91.3 73.9 110.9

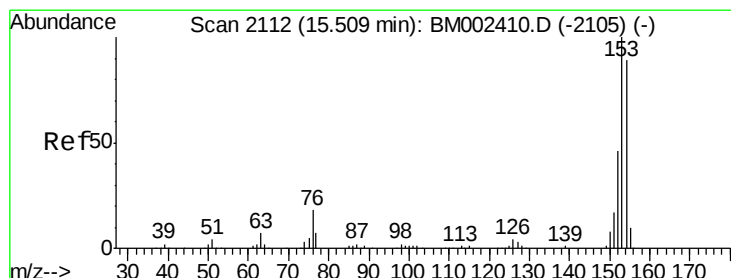
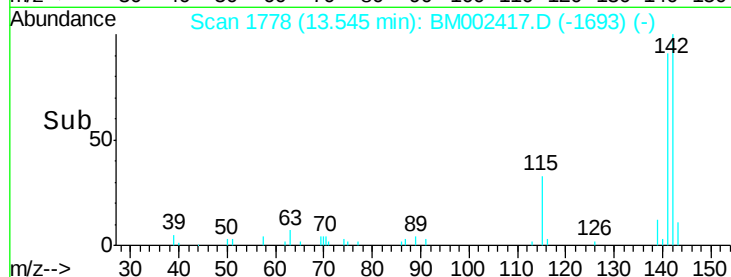
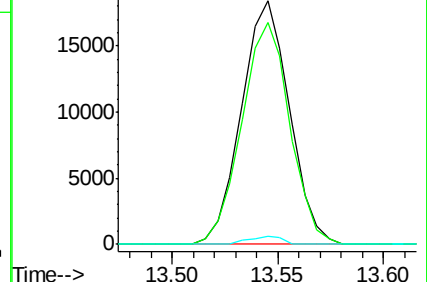
116 3.3 3.0 4.4



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



#9

Acenaphthene

Concen: 3.43 ng/ul

RT: 15.51 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BM002417.D

Acq: 15 Aug 2015 10:20

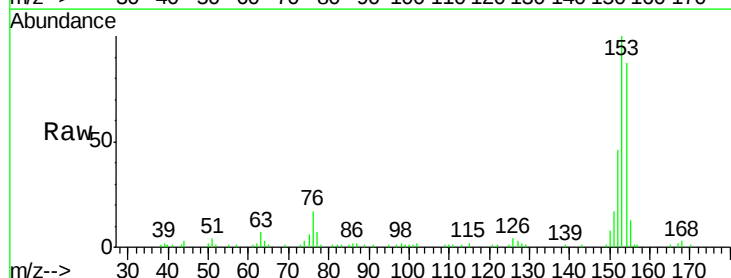
Tgt Ion:153 Resp: 82475

Ion Ratio Lower Upper

153 100

152 46.1 36.9 55.3

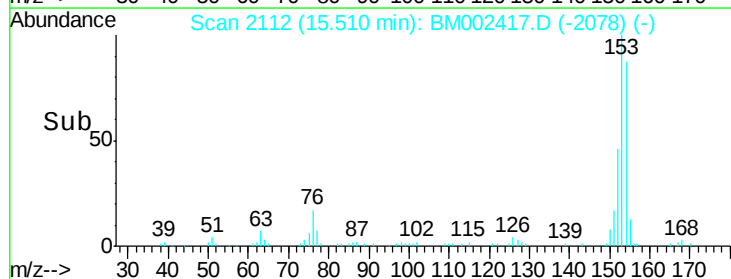
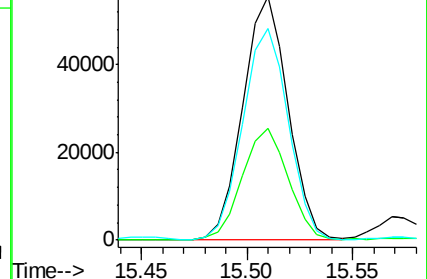
154 86.7 71.3 106.9

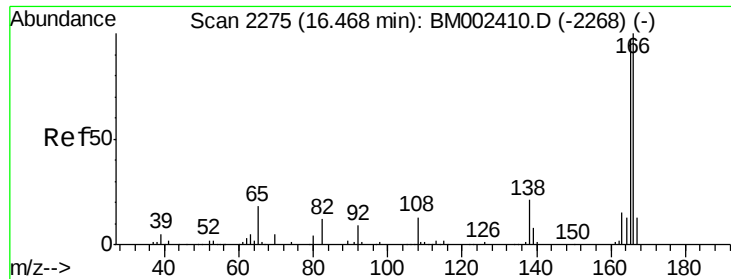


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

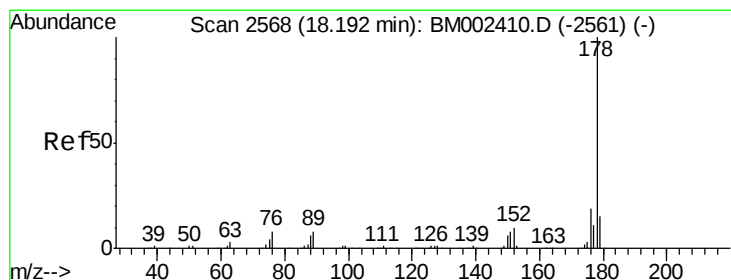
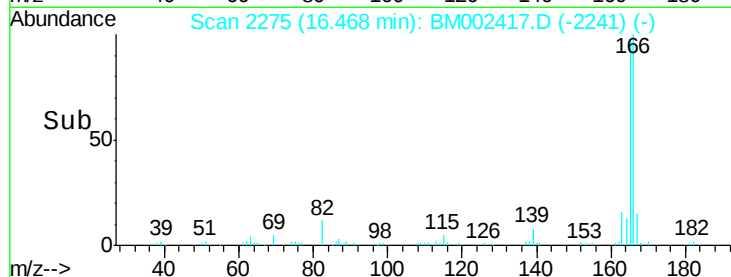
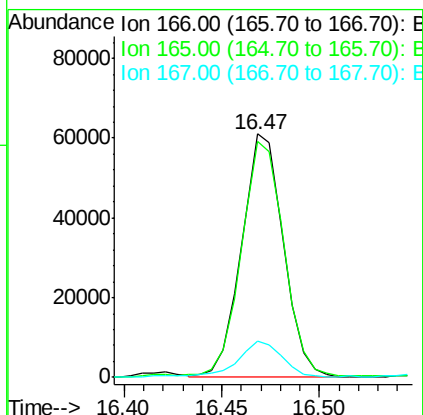
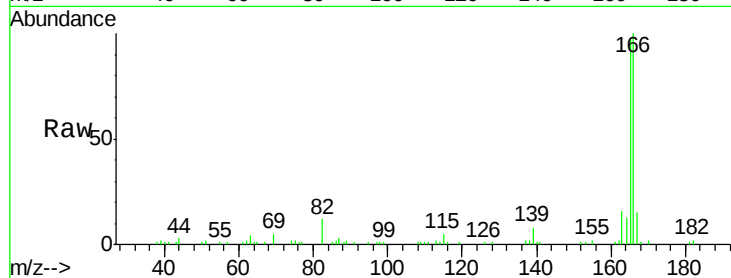




#11
 Fluorene
 Concen: 3.29 ng/ul
 RT: 16.47 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: BM002417.D
 Acq: 15 Aug 2015 10:20

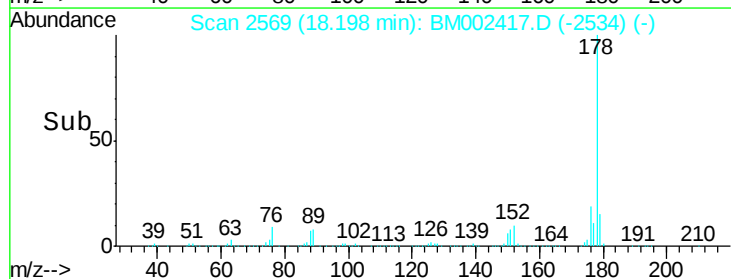
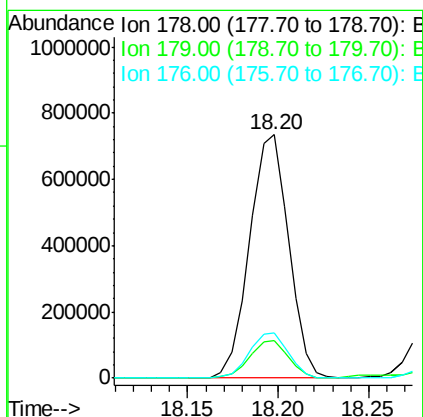
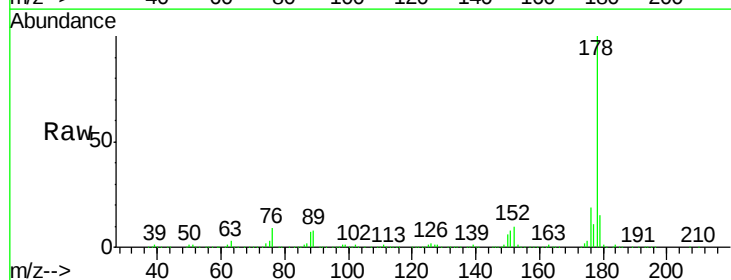
Instrument :
 BNA_M
 ClientSampleId :

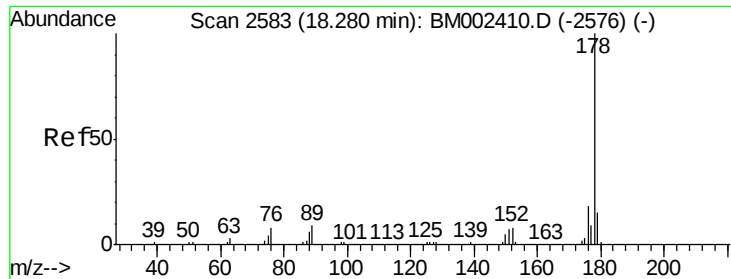
Tot Ion:166 Resp: 90609
 Ion Ratio Lower Upper
 166 100
 165 97.1 77.6 116.4
 167 14.7 10.7 16.1



#13
 Phenanthrene
 Concen: 26.29 ng/ul
 RT: 18.20 min Scan# 2569
 Delta R.T. 0.01 min
 Lab File: BM002417.D
 Acq: 15 Aug 2015 10:20

Tgt Ion:178 Resp: 1102077
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.4 18.6
 176 18.8 15.1 22.7





#15

Anthracene

Concen: 5.96 ng/ul

RT: 18.29 min Scan# 2584

Delta R.T. 0.01 min

Lab File: BM002417.D

Acq: 15 Aug 2015 10:20

Instrument :

BNA_M

ClientSampled :

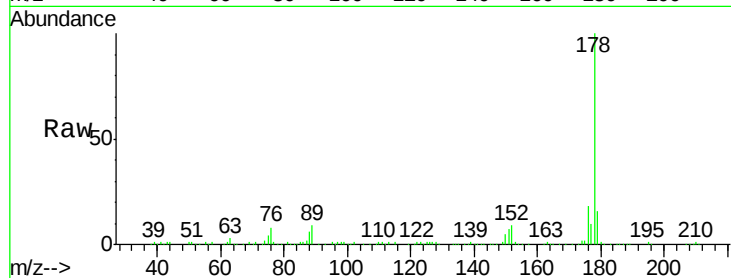
Tot Ion:178 Resp: 253028

Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

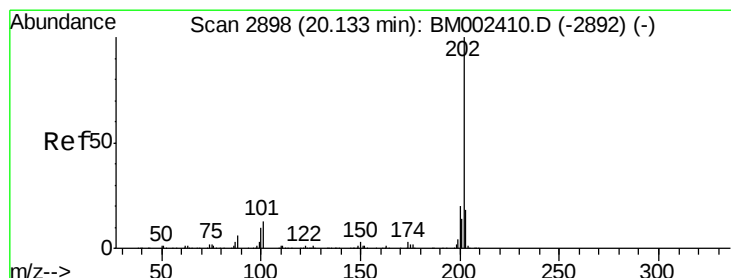
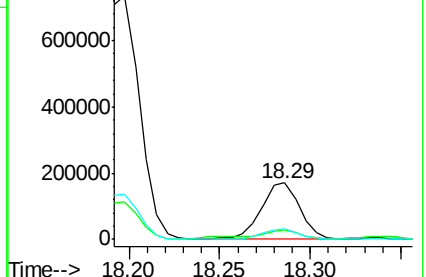
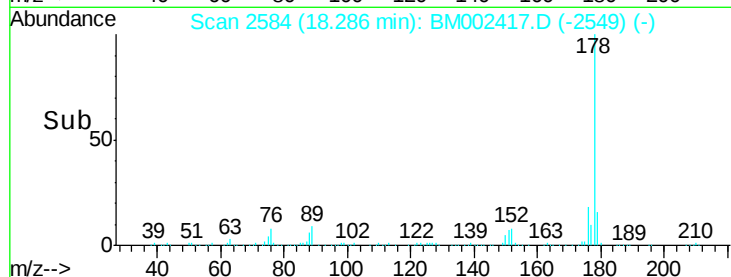
176 18.0 14.5 21.7



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: 34.74 ng/ul

RT: 20.14 min Scan# 2899

Delta R.T. 0.01 min

Lab File: BM002417.D

Acq: 15 Aug 2015 10:20

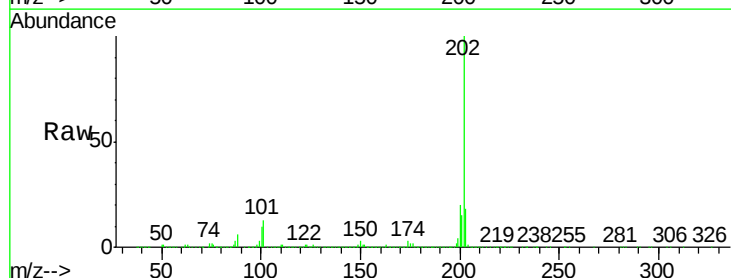
Tgt Ion:202 Resp: 1648874

Ion Ratio Lower Upper

202 100

101 13.0 9.7 14.5

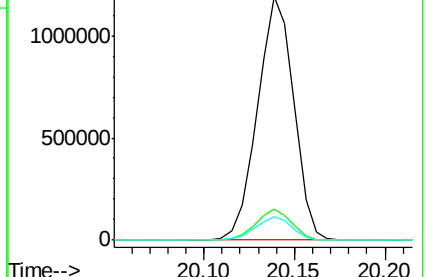
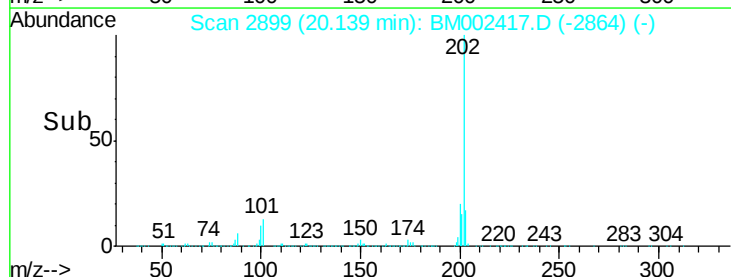
100 9.7 7.4 11.2

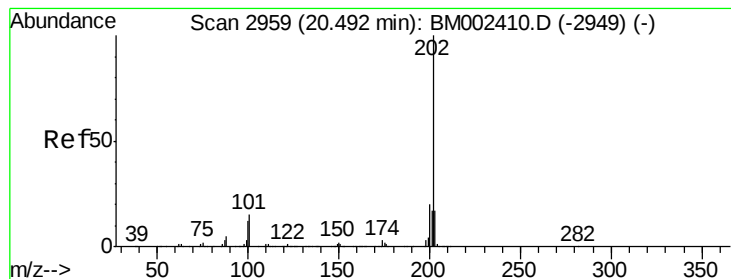


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 36.56 ng/ul

RT: 20.50 min Scan# 2960

Delta R.T. 0.01 min

Lab File: BM002417.D

Acq: 15 Aug 2015 10:20

Instrument :

BNA_M

ClientSampleId :

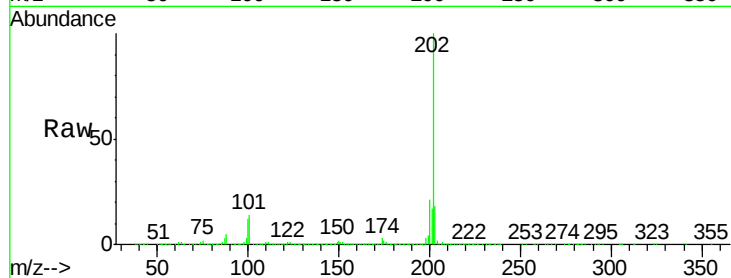
Tot Ion:202 Resp: 1393828

Ion Ratio Lower Upper

202 100

101 14.5 12.0 18.0

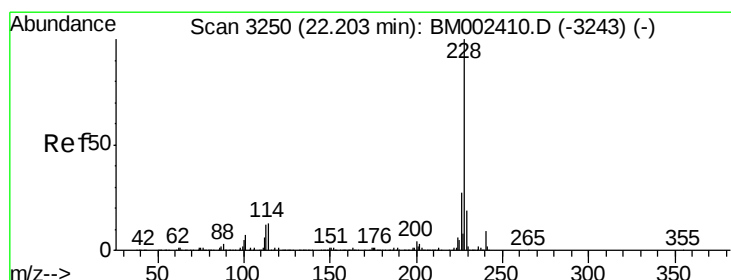
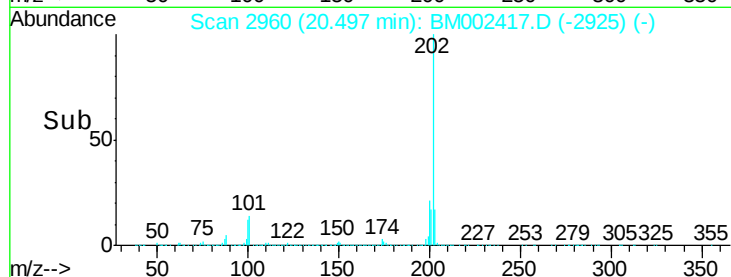
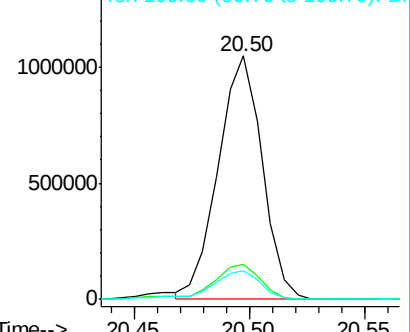
100 11.7 9.7 14.5



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: 26.80 ng/ul

RT: 22.21 min Scan# 3251

Delta R.T. 0.01 min

Lab File: BM002417.D

Acq: 15 Aug 2015 10:20

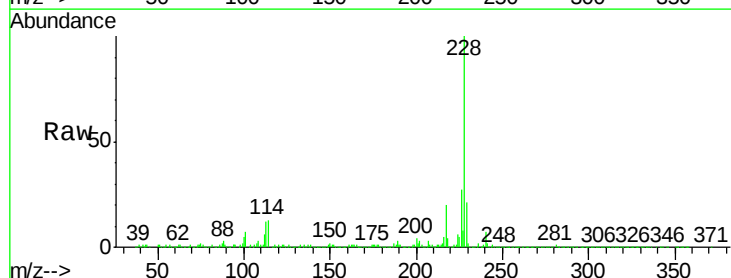
Tgt Ion:228 Resp: 1043222

Ion Ratio Lower Upper

228 100

229 20.8 15.8 23.6

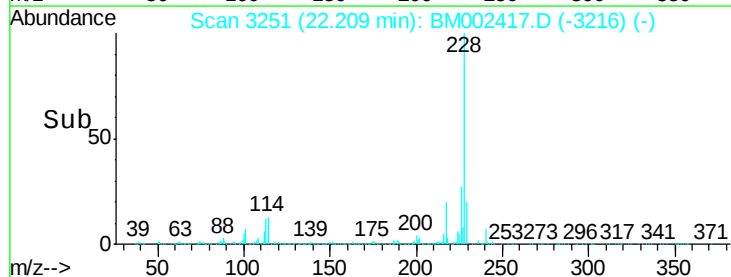
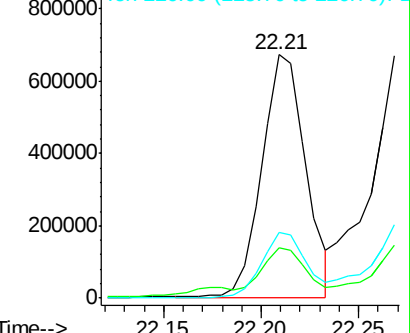
226 27.0 21.1 31.7

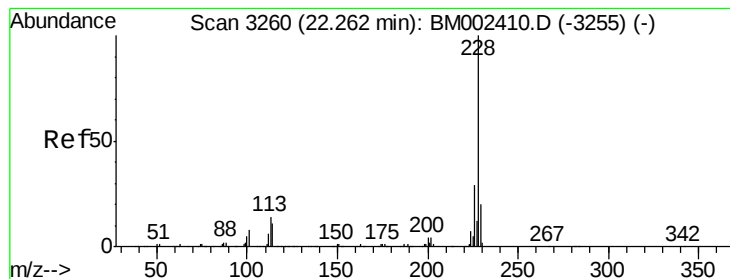


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 33.14 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. 0.01 min

Lab File: BM002417.D

Acq: 15 Aug 2015 10:20

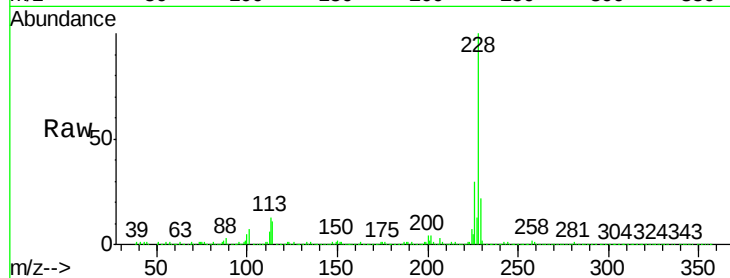
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1206237

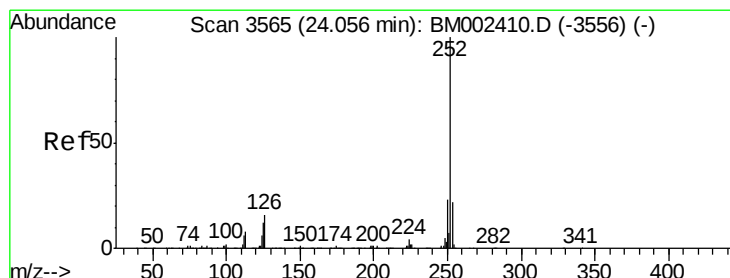
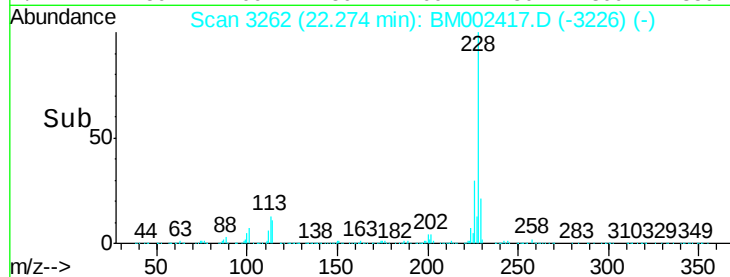
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.2
229	21.5	15.7	23.5



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: 65.28 ng/ul

RT: 24.07 min Scan# 3568

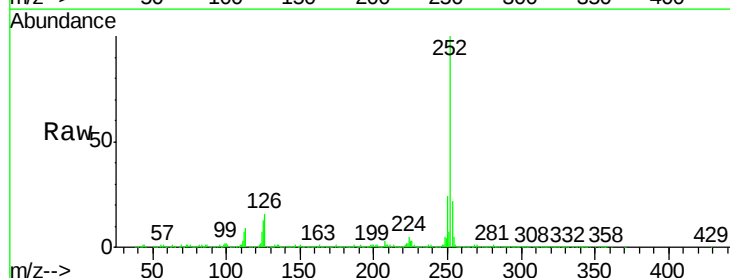
Delta R.T. 0.02 min

Lab File: BM002417.D

Acq: 15 Aug 2015 10:20

Tgt Ion:252 Resp: 2085004

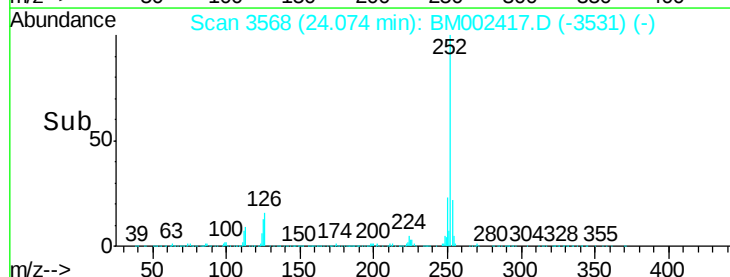
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	13.0	10.0	15.0

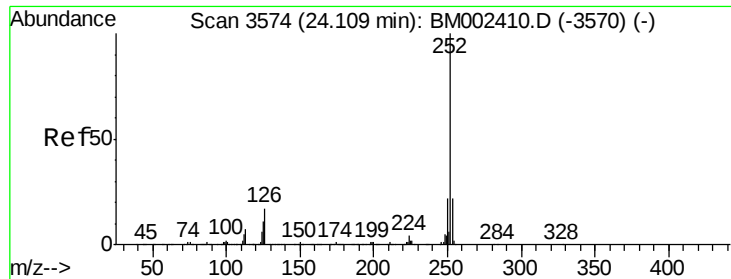


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 17.26 ng/ul

RT: 24.07 min Scan# 3568

Delta R.T. -0.04 min

Lab File: BM002417.D

Acq: 15 Aug 2015 10:20

Instrument :

BNA_M

ClientSampleId :

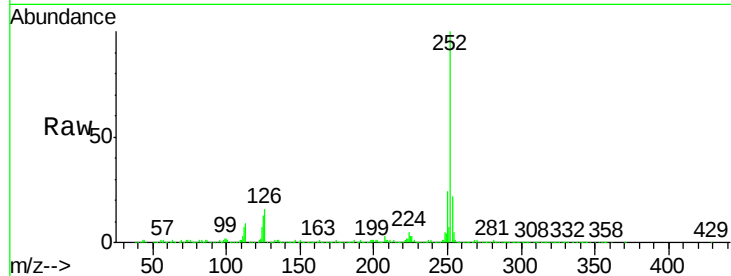
Tot Ion:252 Resp: 522395

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

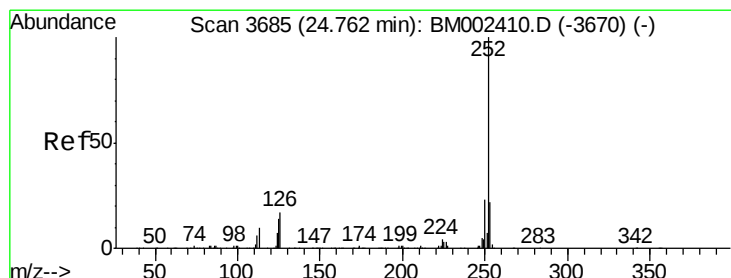
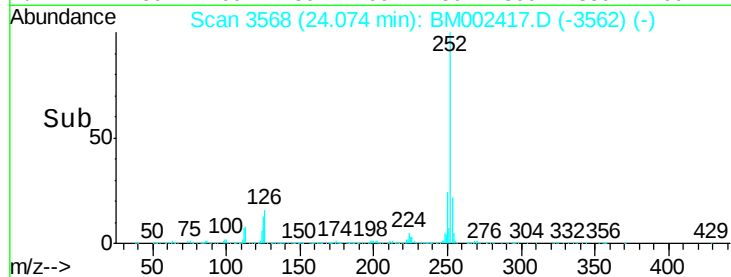
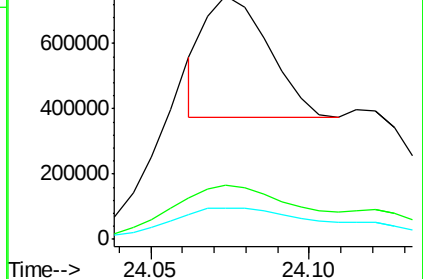
125 13.0 9.8 14.8



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



#26

Benzo(a)pyrene

Concen: 37.67 ng/ul

RT: 24.78 min Scan# 3688

Delta R.T. 0.02 min

Lab File: BM002417.D

Acq: 15 Aug 2015 10:20

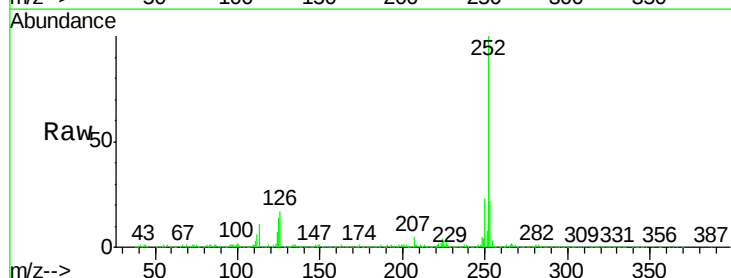
Tgt Ion:252 Resp: 1149243

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

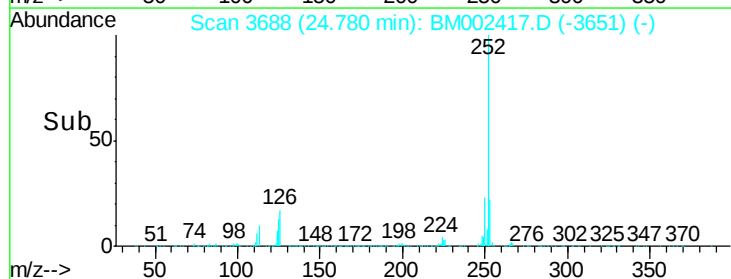
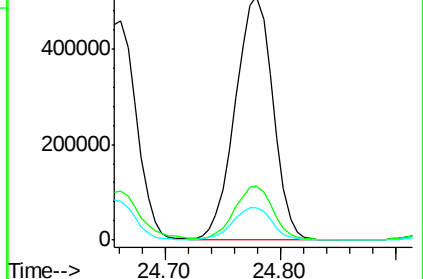
125 13.5 10.7 16.1

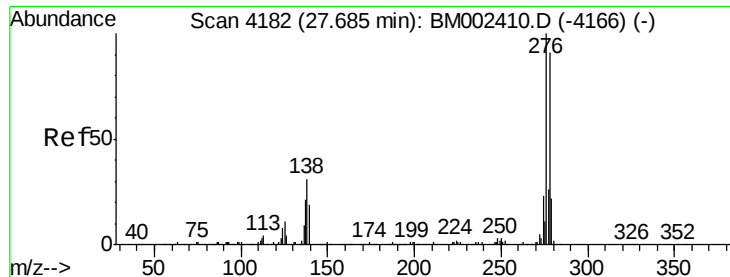


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



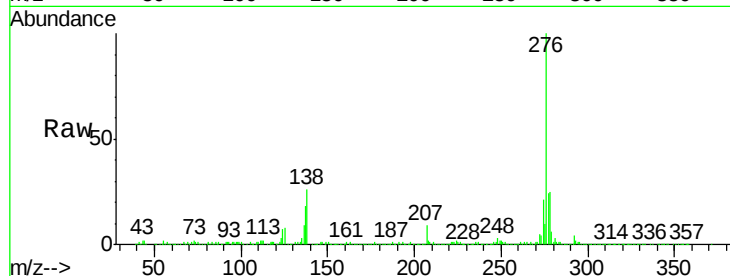


#27

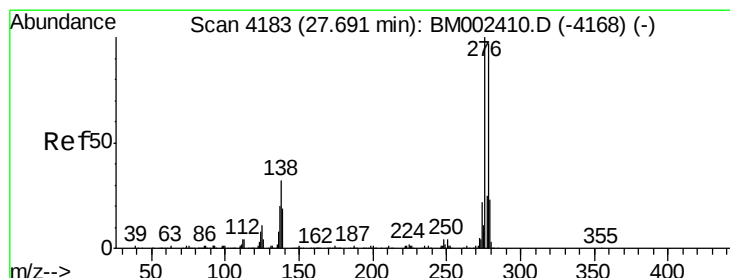
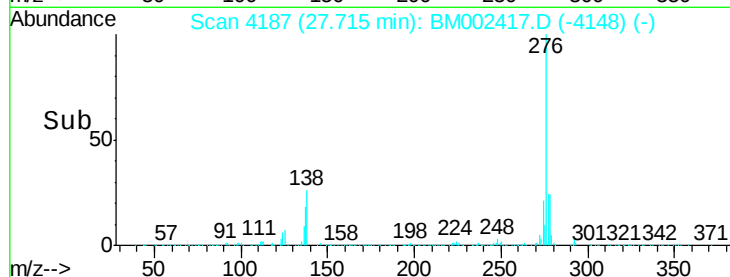
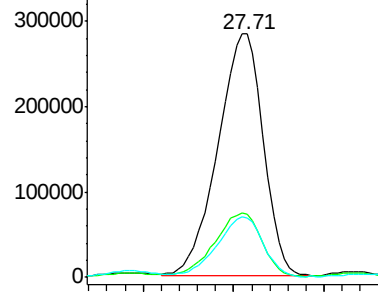
Indeno(1,2,3-cd)pyrene
Concen: 28.12 ng/ul
RT: 27.71 min Scan# 4187
Delta R.T. 0.03 min
Lab File: BM002417.D
Acq: 15 Aug 2015 10:20

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	25.3	37.9
277	24.2	20.2	30.2



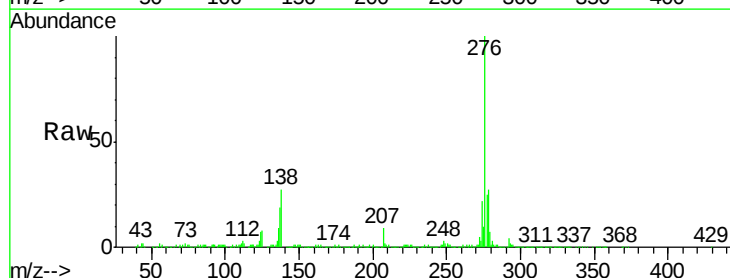
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



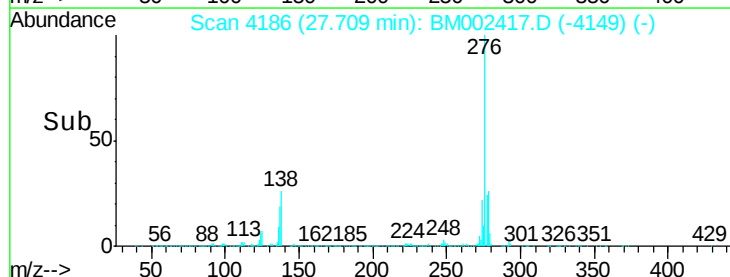
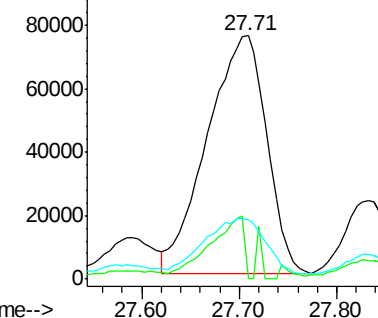
#28

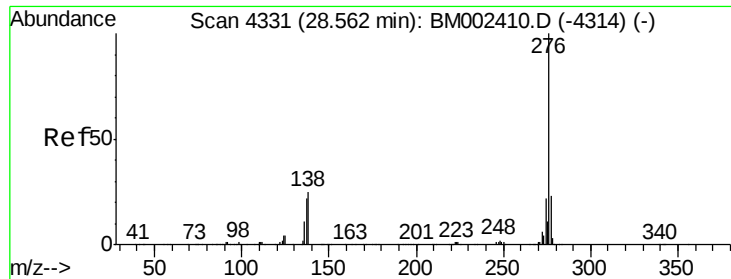
Dibenzo(a,h)anthracene
Concen: 10.87 ng/ul
RT: 27.71 min Scan# 4186
Delta R.T. 0.02 min
Lab File: BM002417.D
Acq: 15 Aug 2015 10:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.5	24.7#
279	24.6	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(a,h,i)perylene

Concen: 30.40 ng/ul

RT: 28.59 min Scan# 4336

Delta R.T. 0.03 min

Lab File: BM002417.D

Acq: 15 Aug 2015 10:20

Instrument :

BNA_M

ClientSampleId :

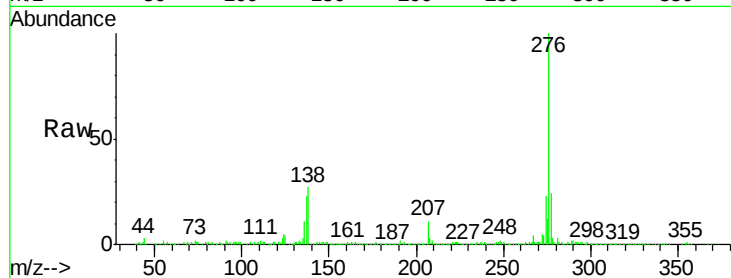
Tot Ion:276 Resp: 887974

Ion Ratio Lower Upper

276 100

138 27.5 21.0 31.6

277 23.9 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

