

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002425.D
 Acq On : 15 Aug 2015 15:21
 Operator : UM/IZ
 Sample : G3219-05DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D98DL

Quant Time: Aug 17 02:57:41 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	163465	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	758570	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	407447	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	816174	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	564592	20.00	ng/ul	0.01
22) Perylene-d12	24.90	264	501914	20.00	ng/ul	0.02

System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	253742	6.09	ng/ul	0.00
10) Fluorene-d10	16.42	176	171201	5.85	ng/ul	0.00
14) Anthracene-d10	18.26	188	236907	6.02	ng/ul	0.01
18) Pyrene-d10	20.47	212	186335	7.45	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.73	264	108637	4.12	ng/ul	0.02

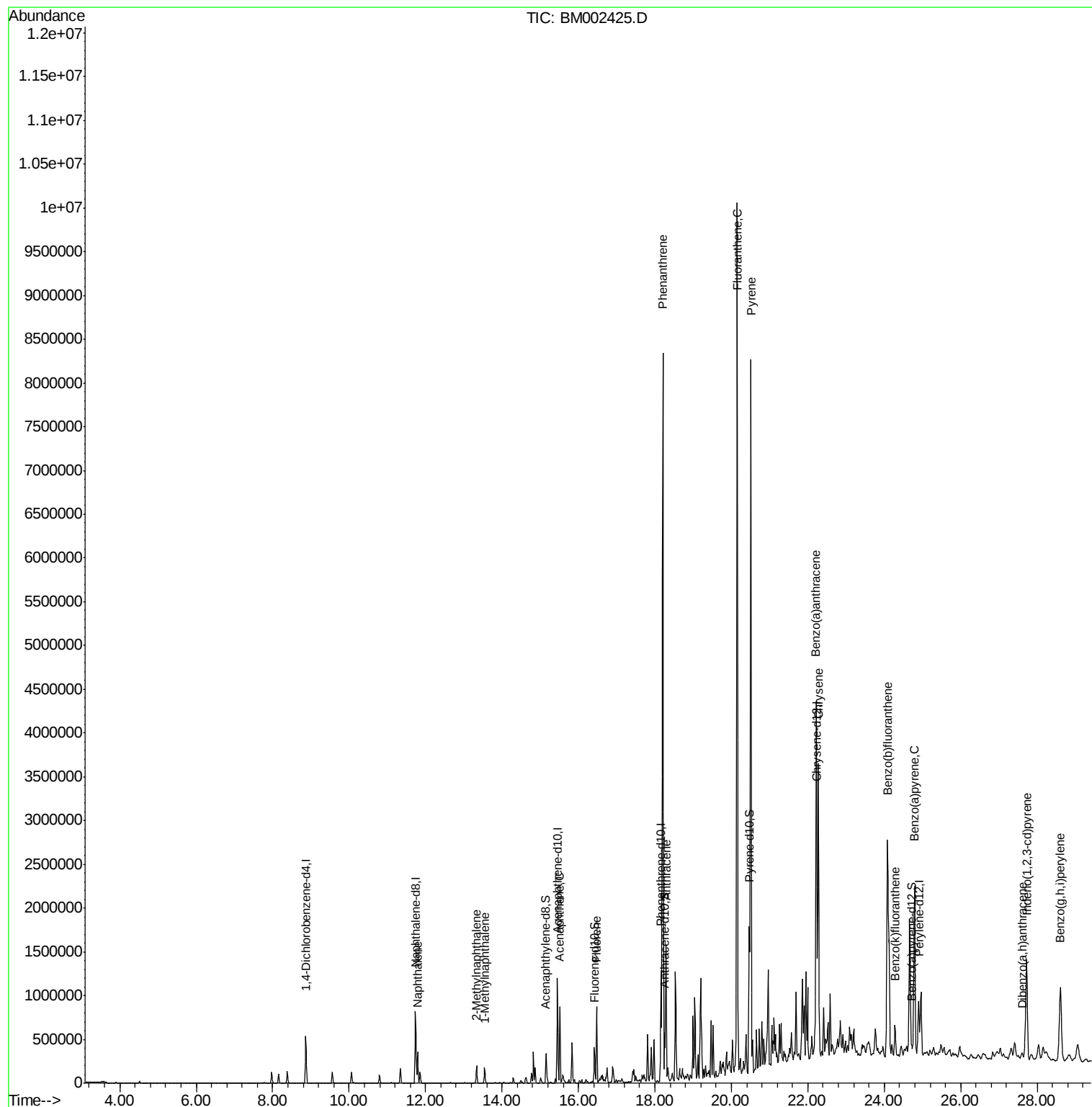
Target Compounds				Ovalue		
3) Naphthalene	11.79	128	315626	8.15	ng/ul	100
4) 2-Methylnaphthalene	13.33	142	99854	3.44	ng/ul	99
5) 1-Methylnaphthalene	13.54	142	87927	3.06	ng/ul	98
9) Acenaphthene	15.51	153	379744	13.22	ng/ul	99
11) Fluorene	16.47	166	392752	11.93	ng/ul	99
13) Phenanthrene	18.21	178	5623262	119.31	ng/ul	98
15) Anthracene	18.29	178	1008188	21.11	ng/ul	100
16) Fluoranthene	20.16	202	6943237	130.12	ng/ul#	94
19) Pyrene	20.51	202	5585939	168.88	ng/ul	96
20) Benzo(a)anthracene	22.22	228	2150889	63.71	ng/ul	99
21) Chrysene	22.28	228	2068118	65.49	ng/ul	97
23) Benzo(b)fluoranthene	24.09	252	2536665	83.60	ng/ul	98
24) Benzo(k)fluoranthene	24.29	252	243725	8.48	ng/ul#	87
26) Benzo(a)pyrene	24.79	252	1640882	56.62	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.73	276	1251626	37.55	ng/ul	93
28) Dibenzo(a,h)anthracene	27.60	278	57360	2.06	ng/ul	94
29) Benzo(g,h,i)perylene	28.61	276	1140466	41.11	ng/ul	99

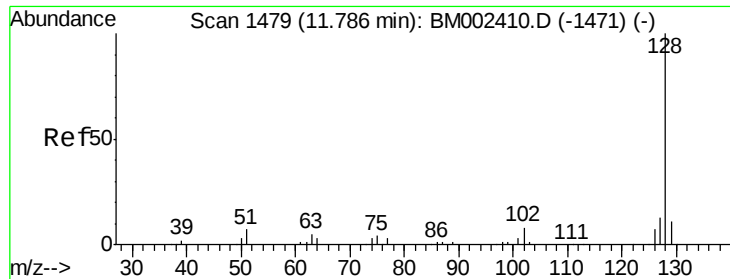
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 8.15 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

D9D98DL

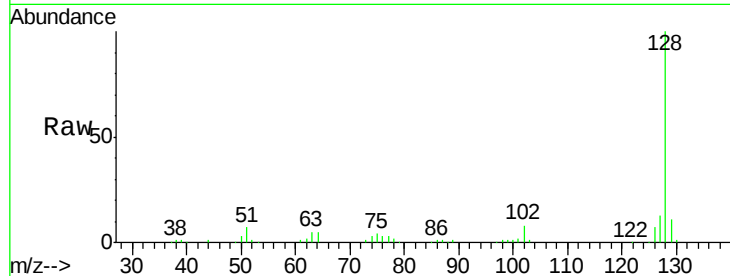
Tot Ion:128 Resp: 315626

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

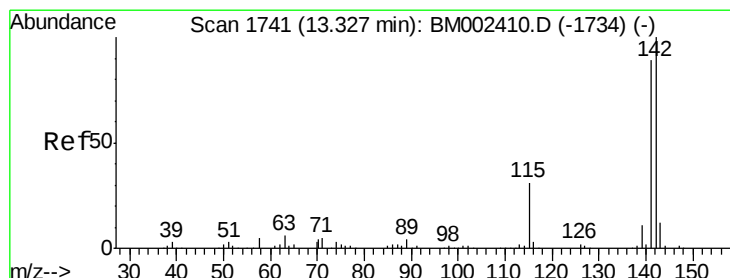
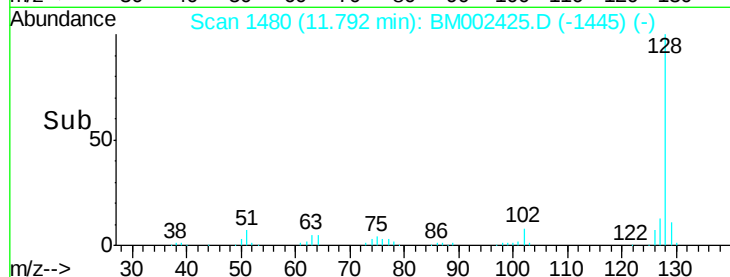
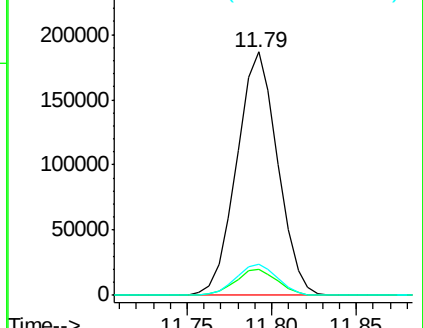
127 12.7 10.4 15.6



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: 3.44 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. 0.01 min

Lab File: BM002425.D

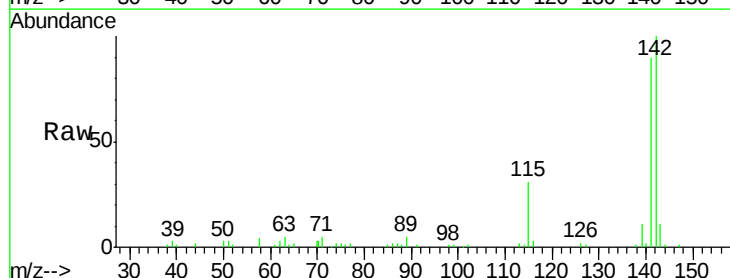
Acq: 15 Aug 2015 15:21

Tgt Ion:142 Resp: 99854

Ion Ratio Lower Upper

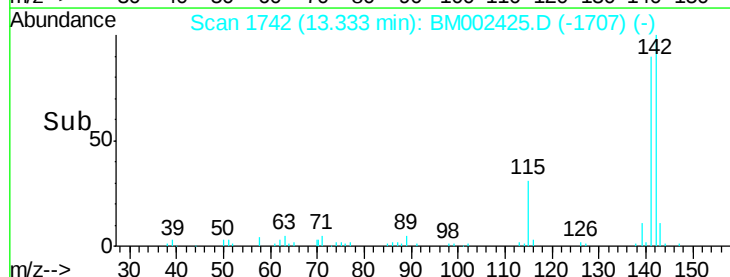
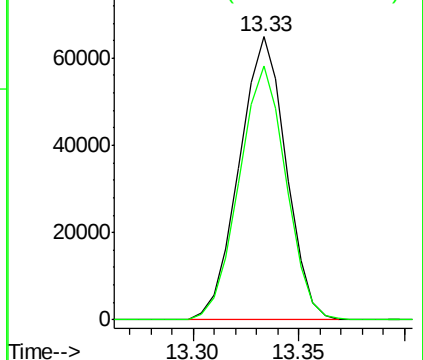
142 100

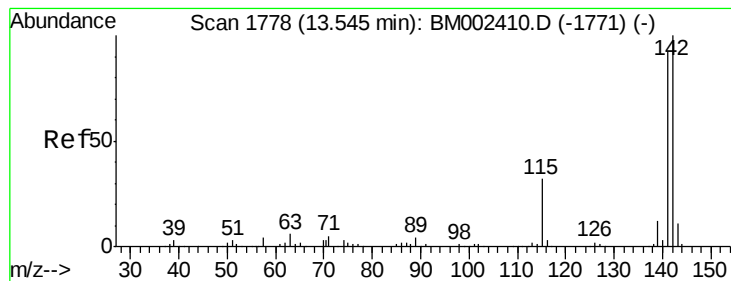
141 89.7 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 3.06 ng/ul

RT: 13.54 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

D9D98DL

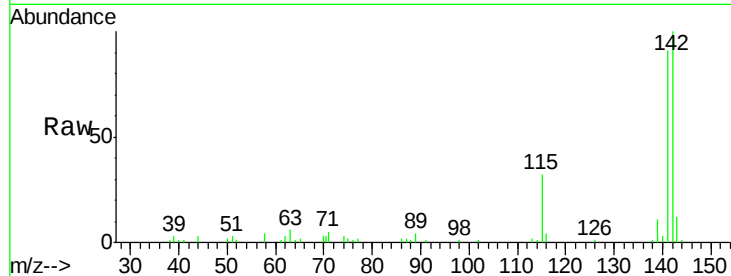
Tot Ion:142 Resp: 87927

Ion Ratio Lower Upper

142 100

141 90.6 73.9 110.9

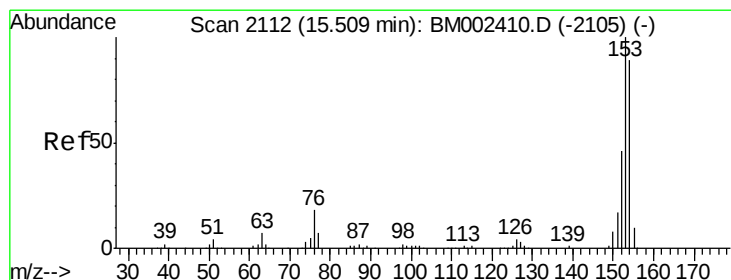
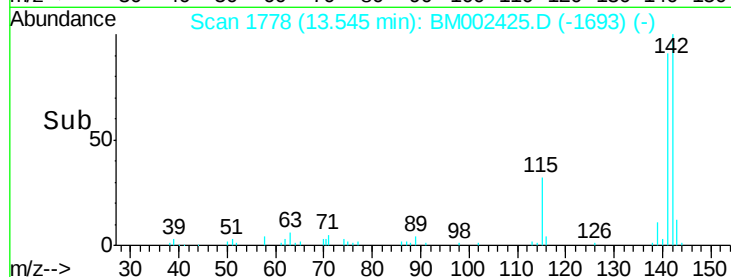
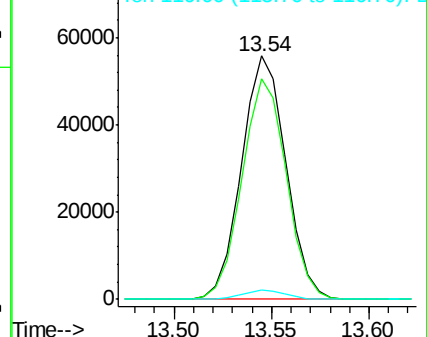
116 3.7 3.0 4.4



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: 13.22 ng/ul

RT: 15.51 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

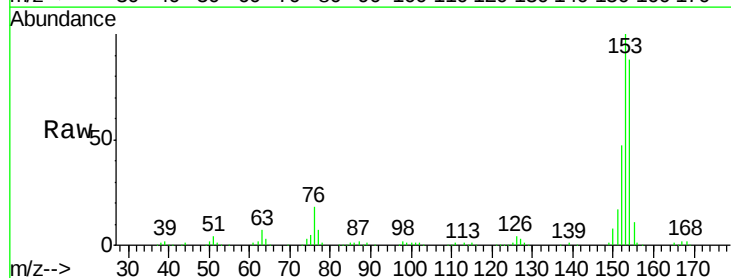
Tgt Ion:153 Resp: 379744

Ion Ratio Lower Upper

153 100

152 46.6 36.9 55.3

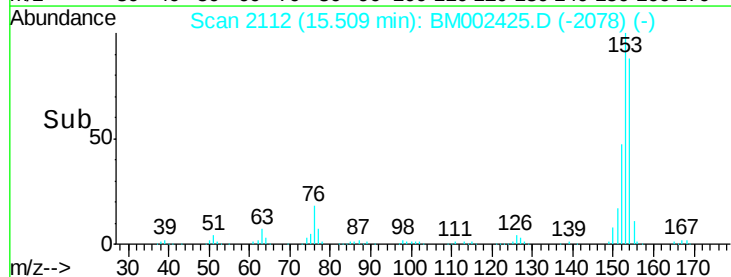
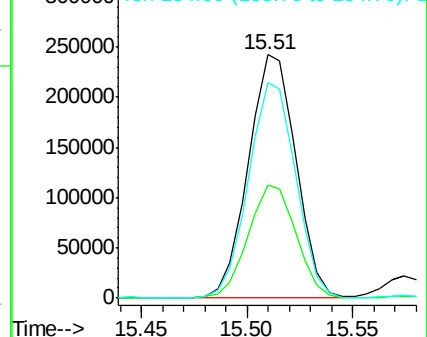
154 88.2 71.3 106.9

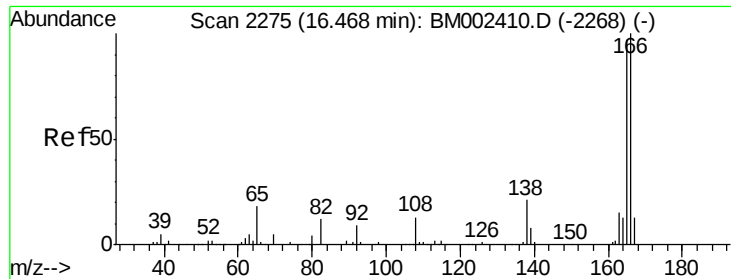


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 11.93 ng/ul

RT: 16.47 min Scan# 2276

Delta R.T. 0.01 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

D9D98DL

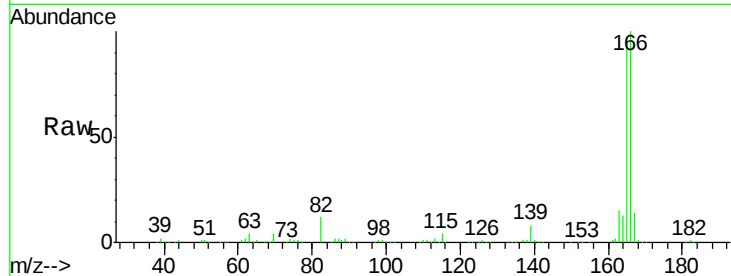
Tot Ion:166 Resp: 392752

Ion Ratio Lower Upper

166 100

165 96.6 77.6 116.4

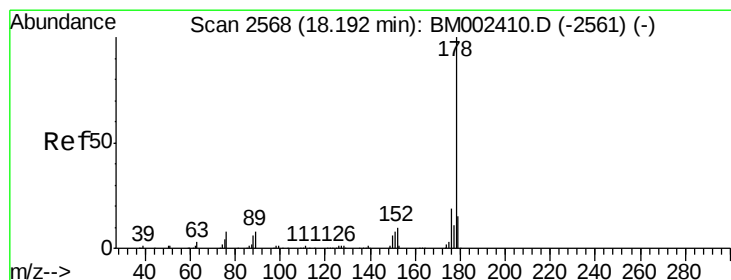
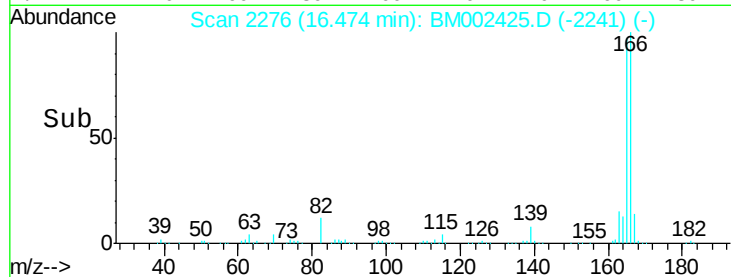
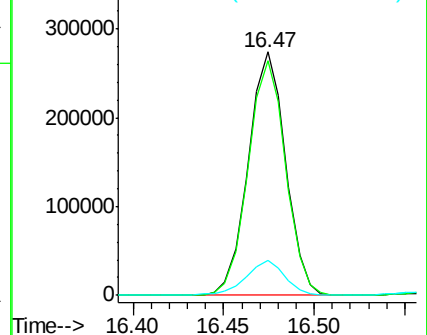
167 14.2 10.7 16.1



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: 119.31 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. 0.02 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

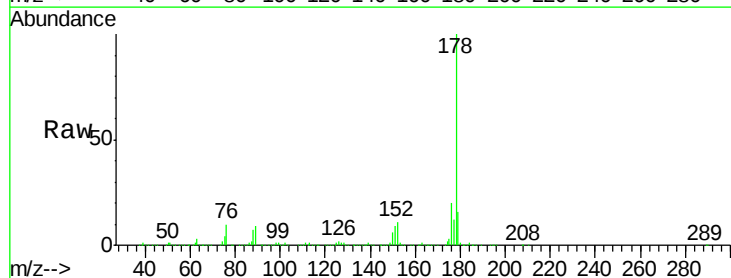
Tgt Ion:178 Resp: 5623262

Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

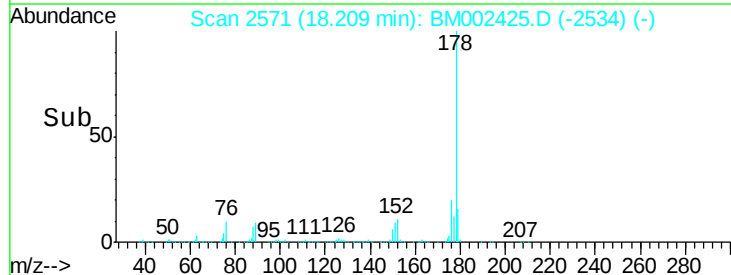
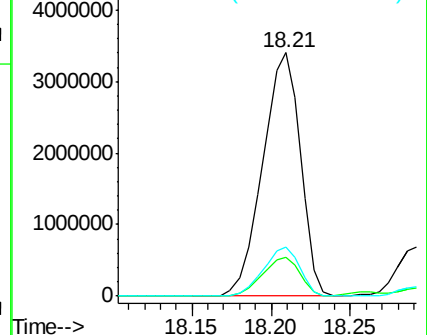
176 20.0 15.1 22.7

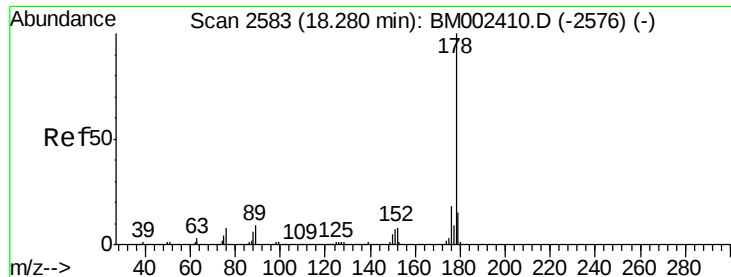


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 21.11 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

D9D98DL

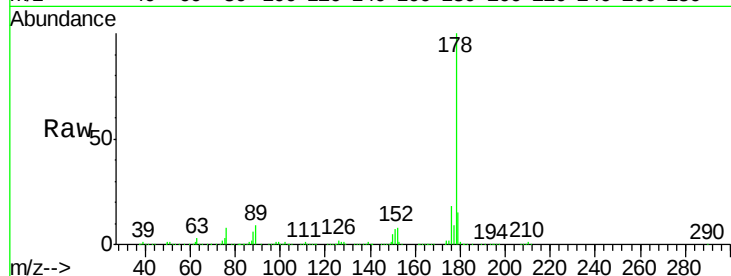
Tot Ion:178 Resp: 1008188

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

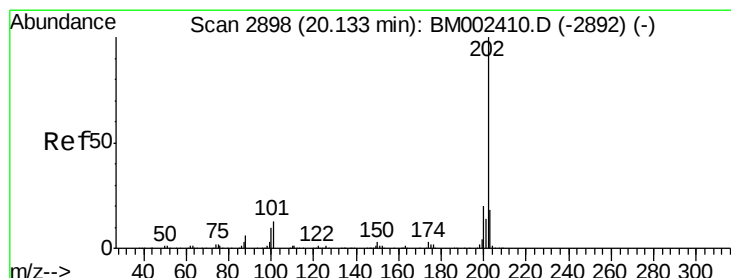
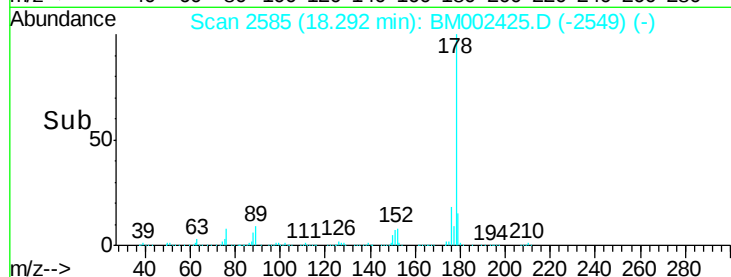
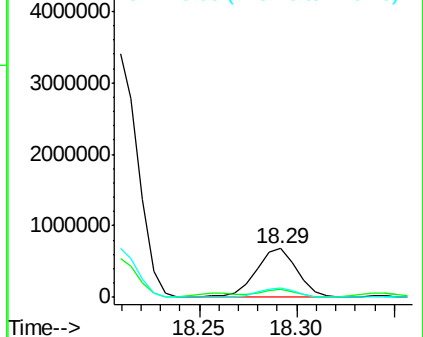
176 18.2 14.5 21.7



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: 130.12 ng/ul

RT: 20.16 min Scan# 2902

Delta R.T. 0.02 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

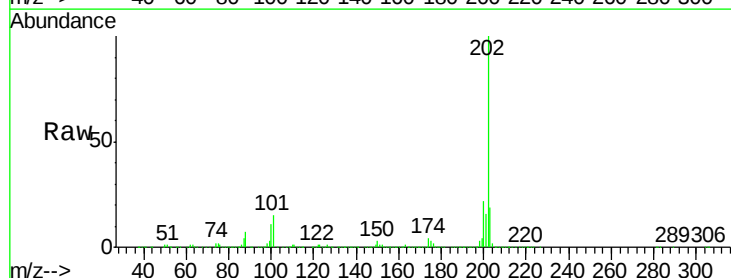
Tgt Ion:202 Resp: 6943237

Ion Ratio Lower Upper

202 100

101 14.8 9.7 14.5#

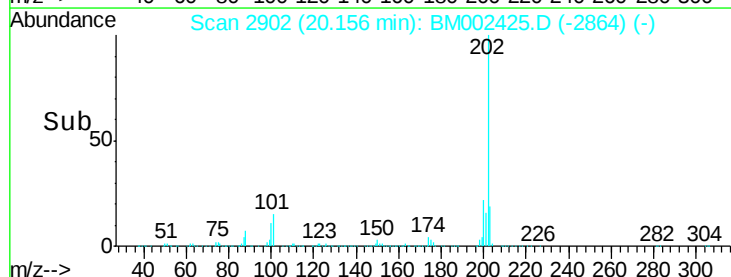
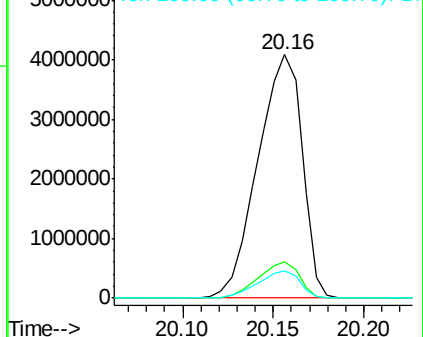
100 11.4 7.4 11.2#

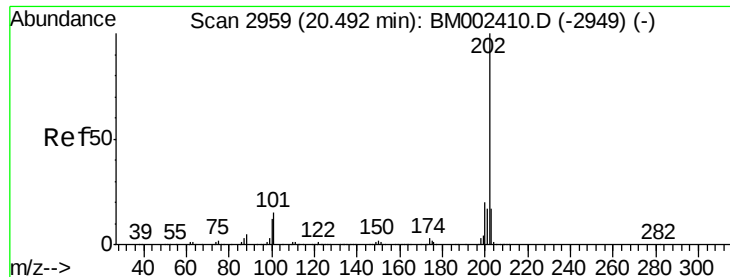


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

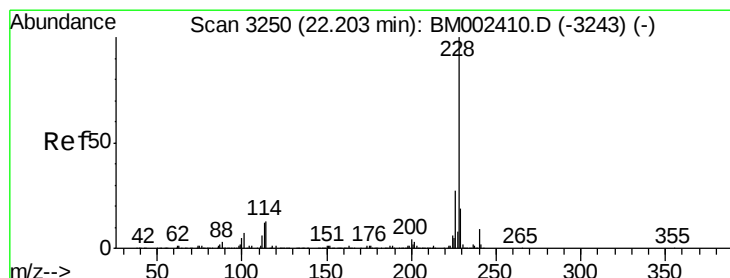
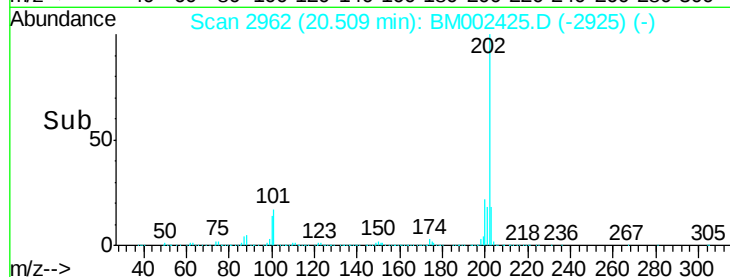
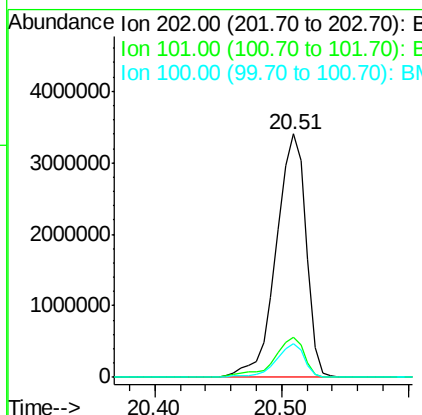
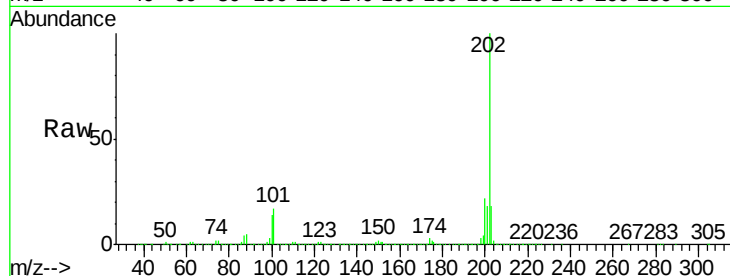




#19
Pvrene
Concen: 168.88 ng/ul
RT: 20.51 min Scan# 2962
Delta R.T. 0.02 min
Lab File: BM002425.D
Acq: 15 Aug 2015 15:21

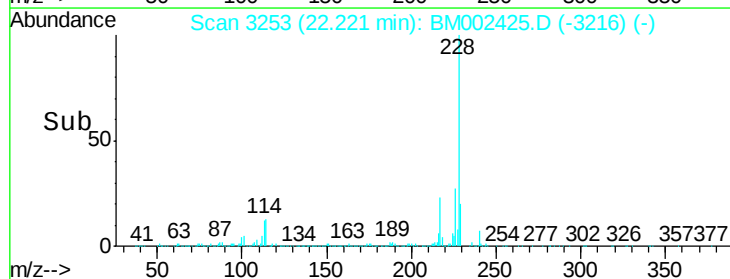
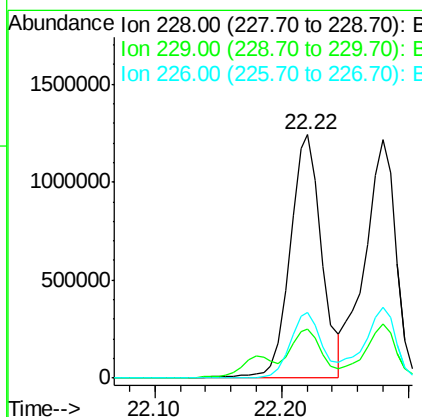
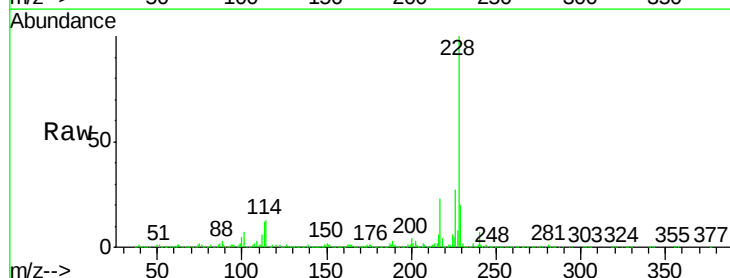
Instrument :
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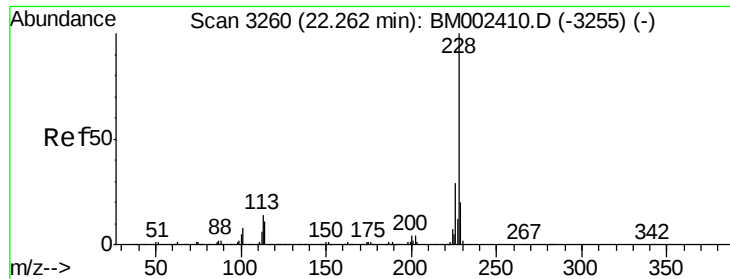
Tot Ion:202 Resp: 5585939
Ion Ratio Lower Upper
202 100
101 16.6 12.0 18.0
100 13.6 9.7 14.5



#20
Benzo(a)anthracene
Concen: 63.71 ng/ul
RT: 22.22 min Scan# 3253
Delta R.T. 0.02 min
Lab File: BM002425.D
Acq: 15 Aug 2015 15:21

Tgt Ion:228 Resp: 2150889
Ion Ratio Lower Upper
228 100
229 20.2 15.8 23.6
226 27.2 21.1 31.7





#21

Chrysene

Concen: 65.49 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.02 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

D9D98DL

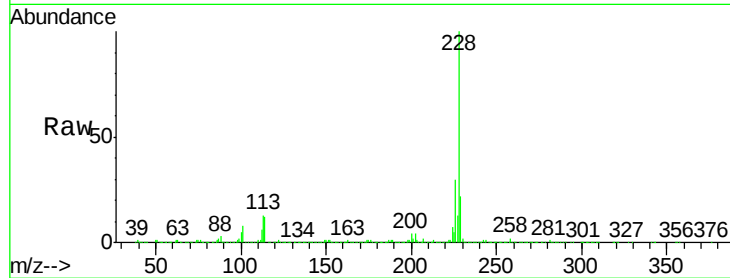
Tot Ion:228 Resp: 2068118

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

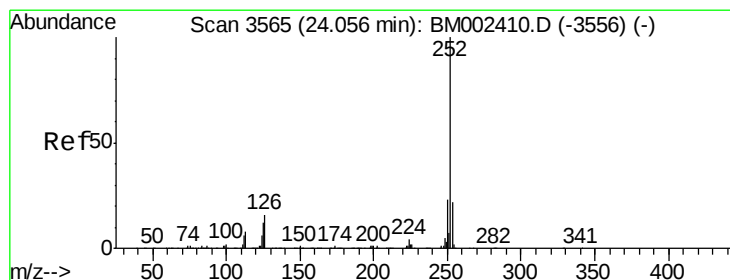
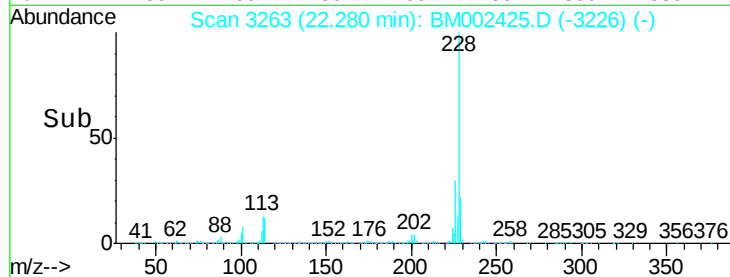
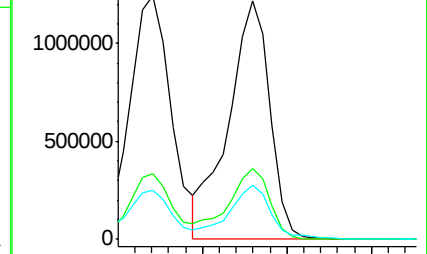
229 22.5 15.7 23.5



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: 83.60 ng/ul

RT: 24.09 min Scan# 3570

Delta R.T. 0.03 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

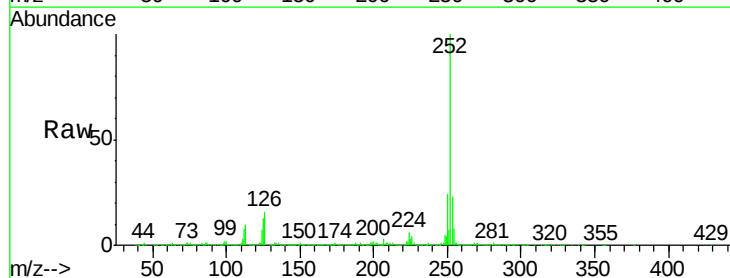
Tgt Ion:252 Resp: 2536665

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

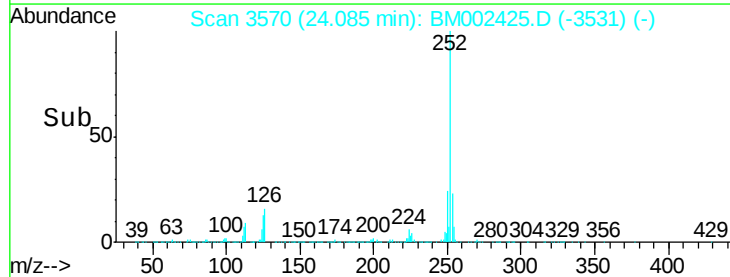
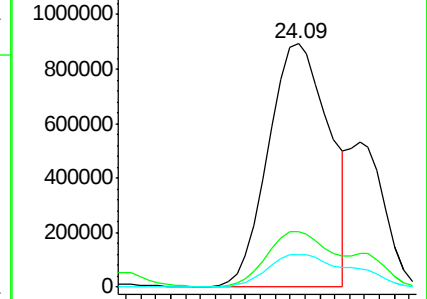
125 13.4 10.0 15.0

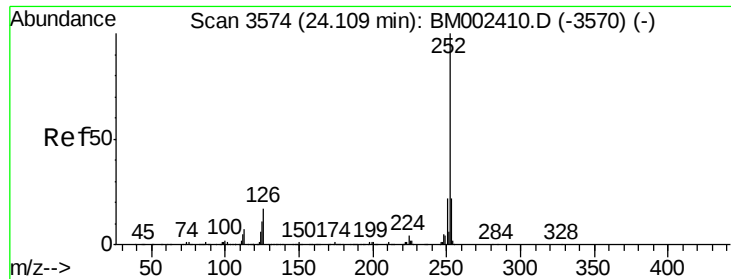


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

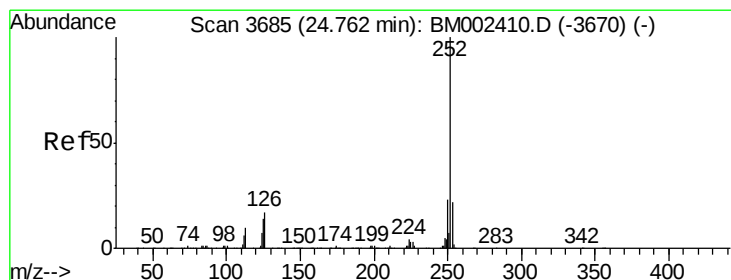
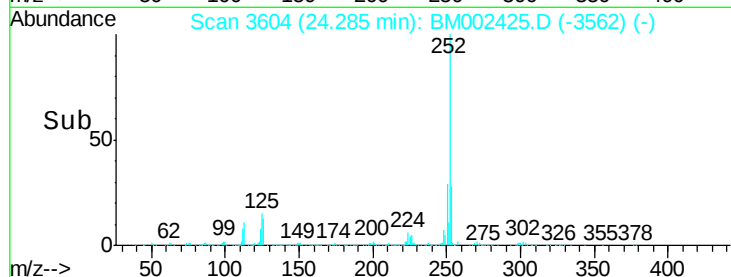
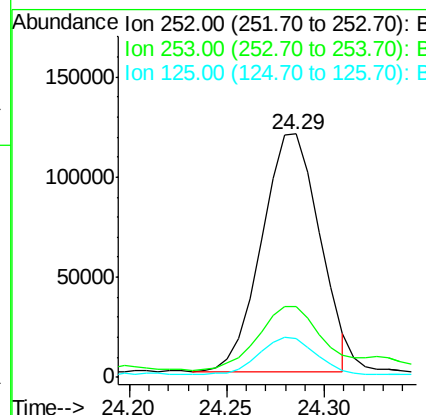
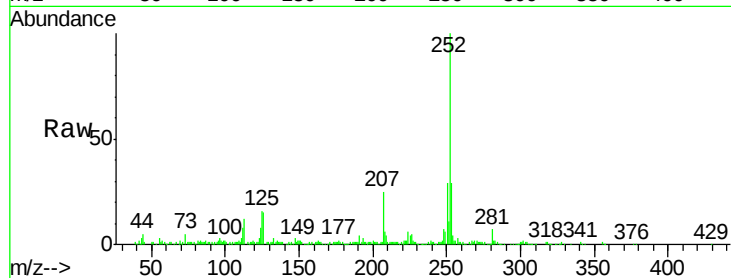




#24
Benzo(k)fluoranthene
Concen: 8.48 ng/ul
RT: 24.29 min Scan# 3604
Delta R.T. 0.18 min
Lab File: BM002425.D
Acq: 15 Aug 2015 15:21

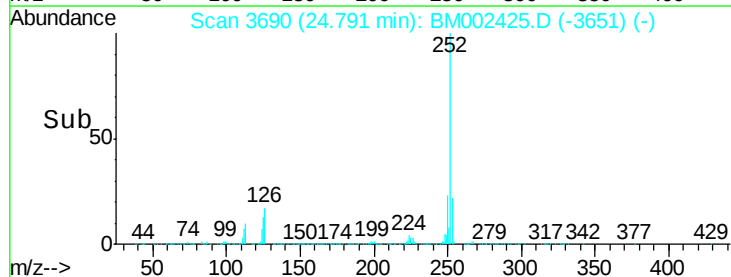
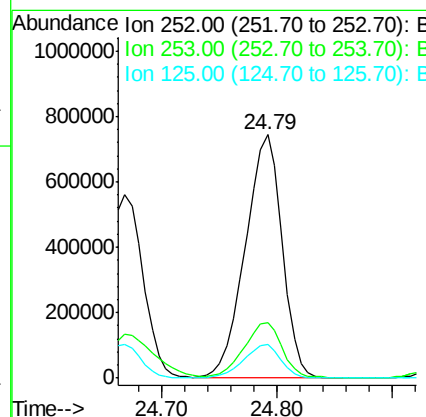
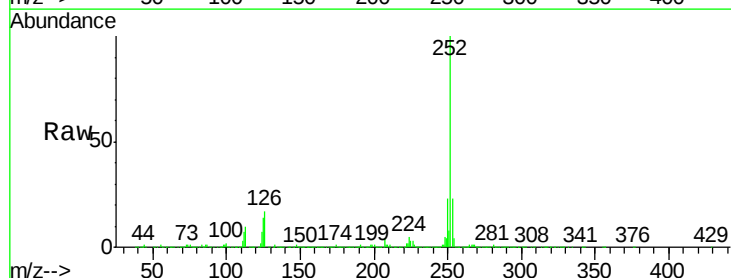
Instrument :
BNA_M
ClientSampleId :
D9D98DL

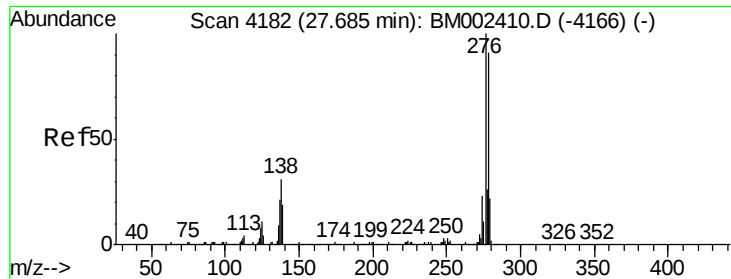
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.8	26.6
125	15.9	9.8	14.8



#26
Benzo(a)pyrene
Concen: 56.62 ng/ul
RT: 24.79 min Scan# 3690
Delta R.T. 0.03 min
Lab File: BM002425.D
Acq: 15 Aug 2015 15:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	13.7	10.7	16.1

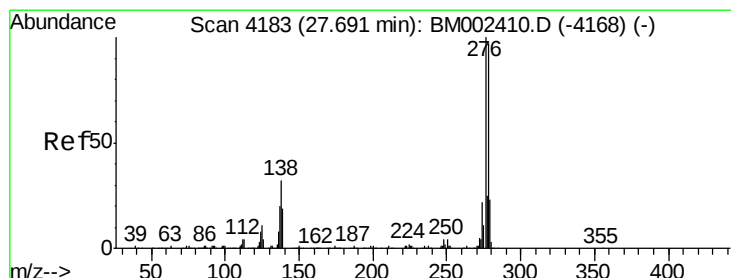
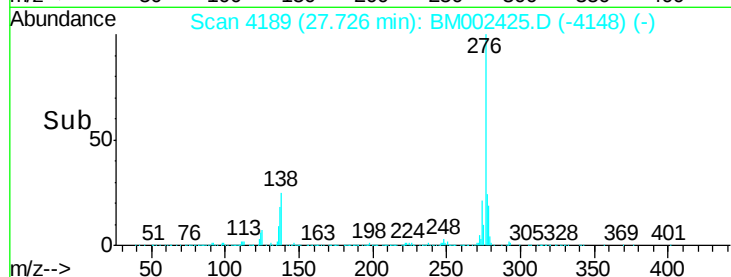
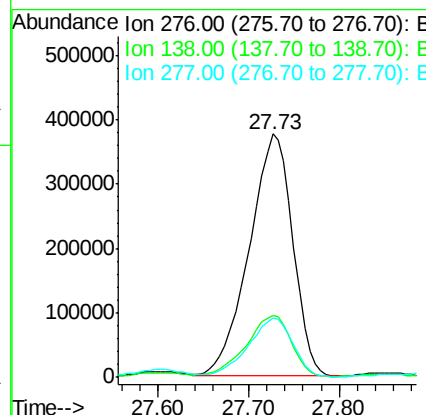
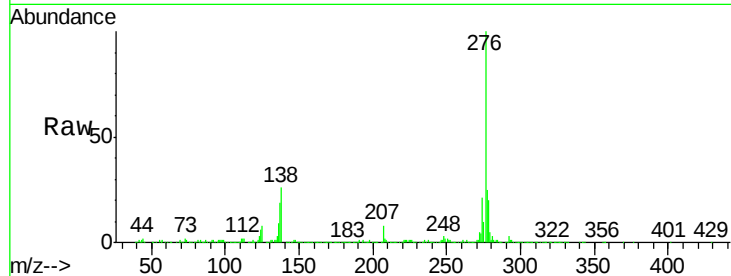




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 37.55 ng/ul
 RT: 27.73 min Scan# 4189
 Delta R.T. 0.04 min
 Lab File: BM002425.D
 Acq: 15 Aug 2015 15:21

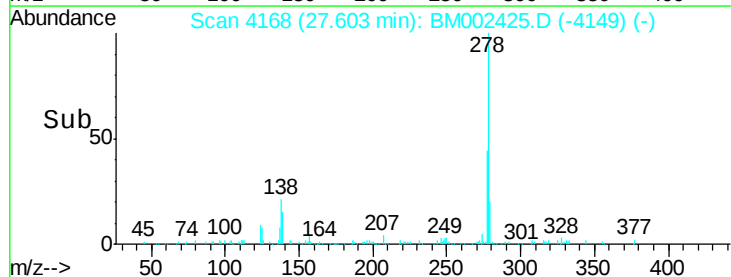
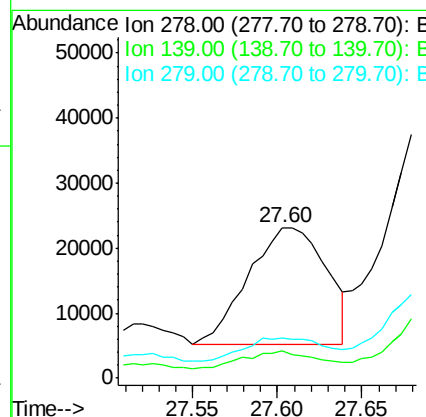
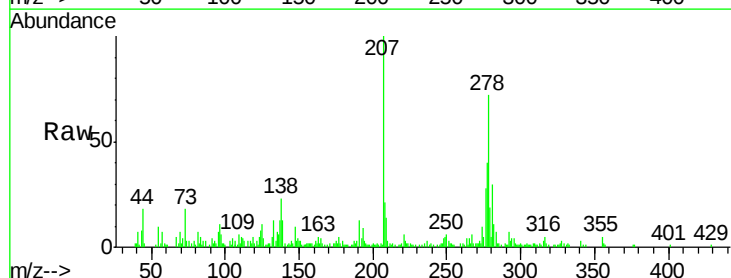
Instrument :
 BNA_M
 ClientSampleId :
 D9D98DL

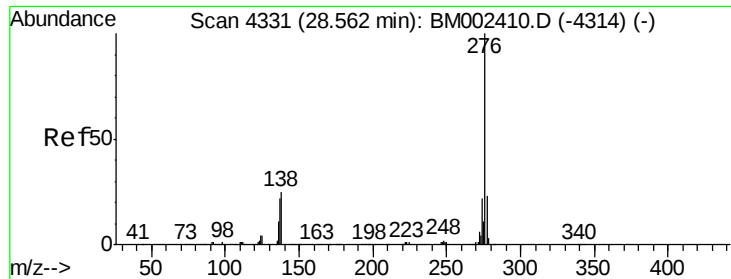
Tot Ion:276 Resp: 1251626
 Ion Ratio Lower Upper
 276 100
 138 25.6 25.3 37.9
 277 24.6 20.2 30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 2.06 ng/ul
 RT: 27.60 min Scan# 4168
 Delta R.T. -0.09 min
 Lab File: BM002425.D
 Acq: 15 Aug 2015 15:21

Tgt Ion:278 Resp: 57360
 Ion Ratio Lower Upper
 278 100
 139 17.8 16.5 24.7
 279 26.4 18.8 28.2





#29

Benzo(a,h,i)perylene

Concen: 41.11 ng/ul

RT: 28.61 min Scan# 4339

Delta R.T. 0.05 min

Lab File: BM002425.D

Acq: 15 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

D9D98DL

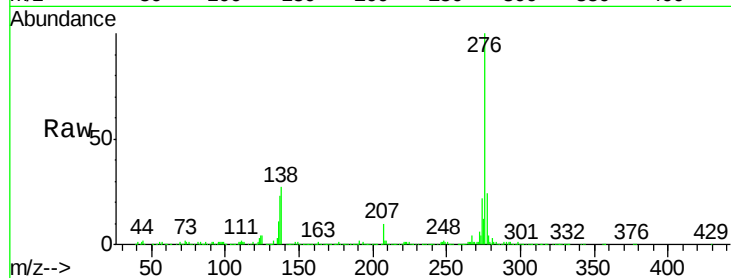
Tot Ion:276 Resp: 1140466

Ion Ratio Lower Upper

276 100

138 27.1 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

