

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002470.D
 Acq On : 18 Aug 2015 02:41
 Operator : UM/IZ
 Sample : G3227-20
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 18 04:19:15 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 03:02:54 2015
 Response via : Initial Calibration

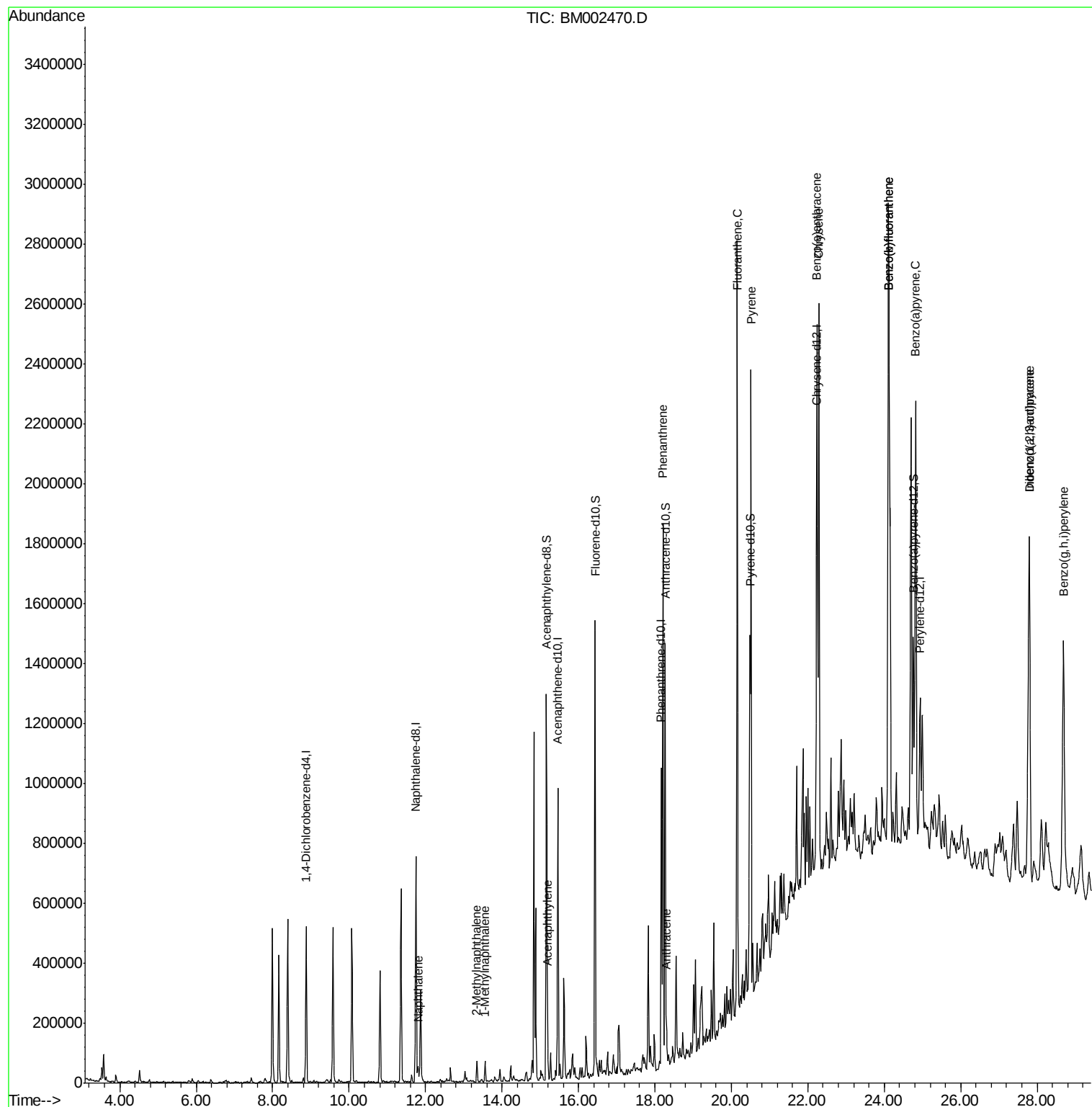
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	161175	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	701627	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	344549	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	596496	20.00	ng/ul	0.00
17) Chrysene-d12	22.25	240	403658	20.00	ng/ul	0.00
22) Perylene-d12	24.93	264	422316	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	989743	28.10	ng/ul	0.00
10) Fluorene-d10	16.43	176	637697	25.77	ng/ul	0.00
14) Anthracene-d10	18.27	188	803917	27.94	ng/ul	0.00
18) Pyrene-d10	20.49	212	622057	34.77	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.76	264	575862	25.96	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.80	128	45963	1.28	ng/ul	98
4) 2-Methylnaphthalene	13.35	142	35919	1.34	ng/ul	96
5) 1-Methylnaphthalene	13.56	142	33569	1.27	ng/ul	99
8) Acenaphthylene	15.19	152	78536	2.13	ng/ul	99
13) Phenanthrene	18.21	178	1124921	32.66	ng/ul	100
15) Anthracene	18.30	178	102813	2.95	ng/ul	99
16) Fluoranthene	20.16	202	1597887	40.98	ng/ul	99
19) Pyrene	20.52	202	1257222	53.17	ng/ul	98
20) Benzo(a)anthracene	22.23	228	875279	36.26	ng/ul	98
21) Chrysene	22.29	228	1193081	52.84	ng/ul	98
23) Benzo(b)fluoranthene	24.11	252	2284933	89.50	ng/ul	97
24) Benzo(k)fluoranthene	24.11	252	577971	23.89	ng/ul	98
26) Benzo(a)pyrene	24.82	252	1274477	52.26	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.80	276	1241183	44.26	ng/ul	94
28) Dibenzo(a,h)anthracene	27.79	278	408561	17.43	ng/ul#	92
29) Benzo(a,h,i)perylene	28.69	276	1130840	48.44	ng/ul	99

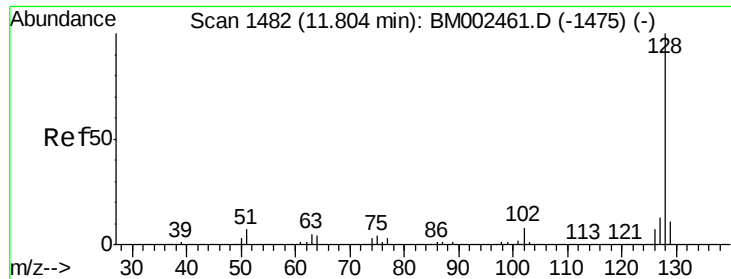
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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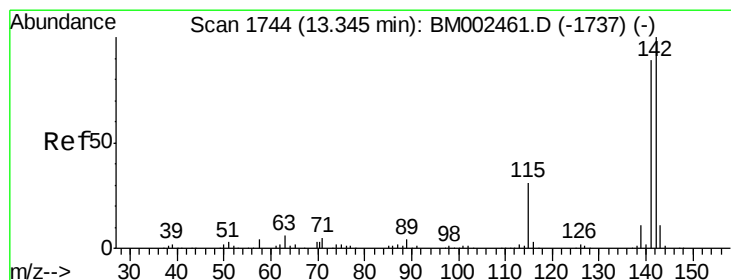
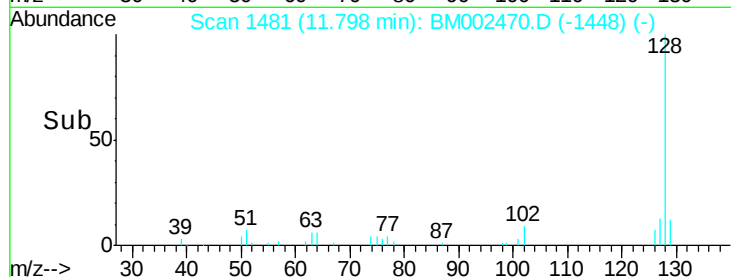
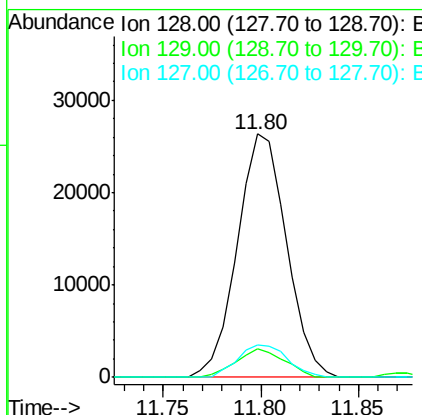
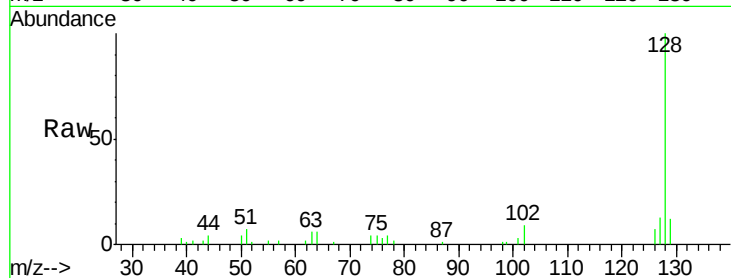




#3
Naphthalene
Concen: 1.28 ng/ul
RT: 11.80 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BM002470.D
Acq: 18 Aug 2015 02:41

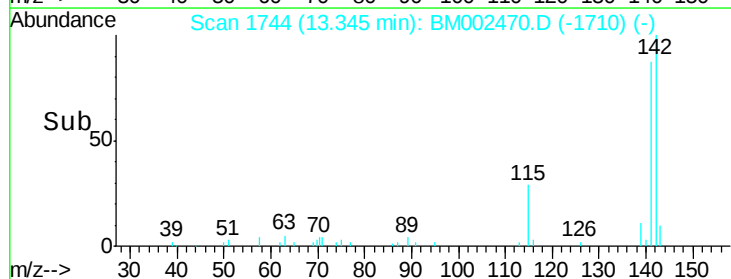
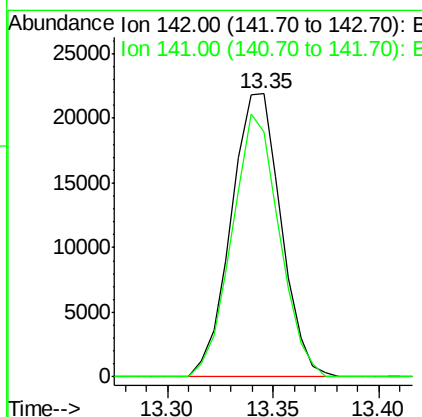
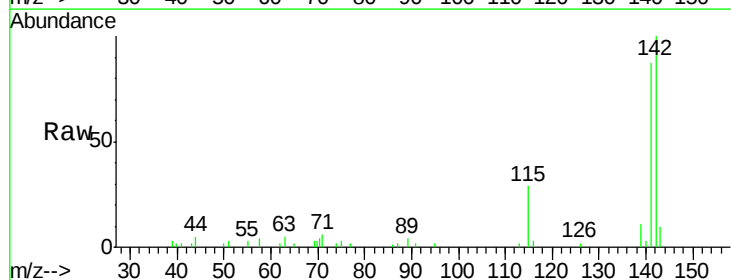
Instrument :
BNA_M
ClientSampleId :

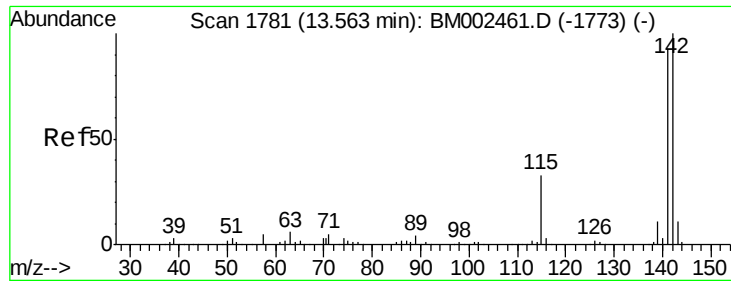
Tot Ion:128 Resp: 45963
Ion Ratio Lower Upper
128 100
129 11.9 8.6 12.8
127 13.1 10.4 15.6



#4
2-Methylnaphthalene
Concen: 1.34 ng/ul
RT: 13.35 min Scan# 1744
Delta R.T. 0.00 min
Lab File: BM002470.D
Acq: 18 Aug 2015 02:41

Tgt Ion:142 Resp: 35919
Ion Ratio Lower Upper
142 100
141 86.7 72.2 108.2





#5

1-Methylnaphthalene

Concen: 1.27 ng/ul

RT: 13.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

Instrument :

BNA_M

ClientSampled :

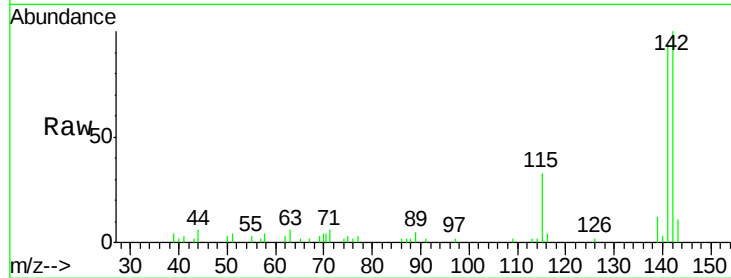
Tot Ion:142 Resp: 33569

Ion Ratio Lower Upper

142 100

141 93.5 73.9 110.9

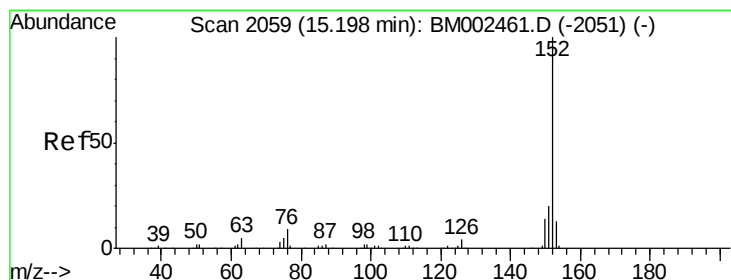
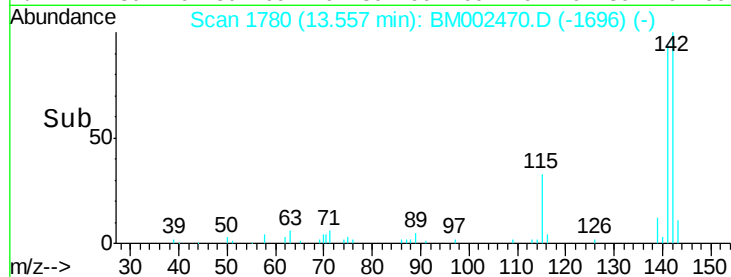
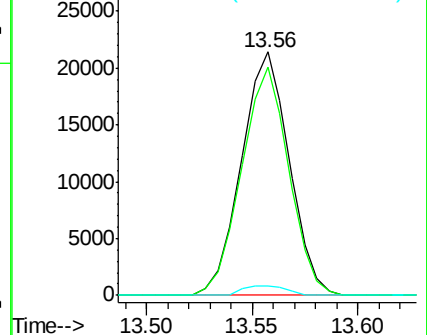
116 3.6 3.0 4.4



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: 2.13 ng/ul

RT: 15.19 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

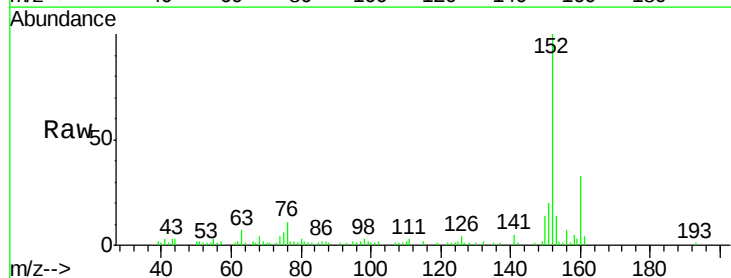
Tgt Ion:152 Resp: 78536

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

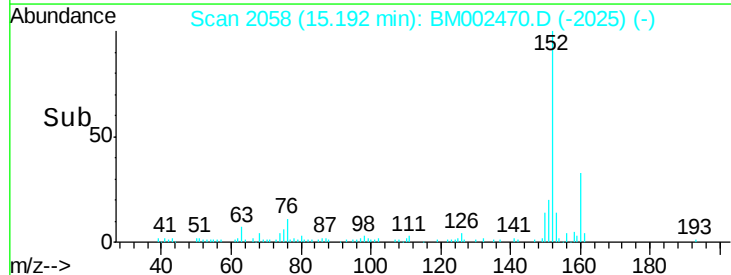
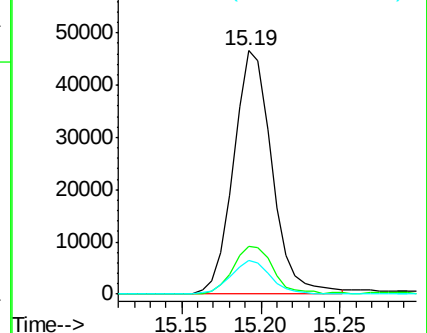
153 13.8 10.2 15.4

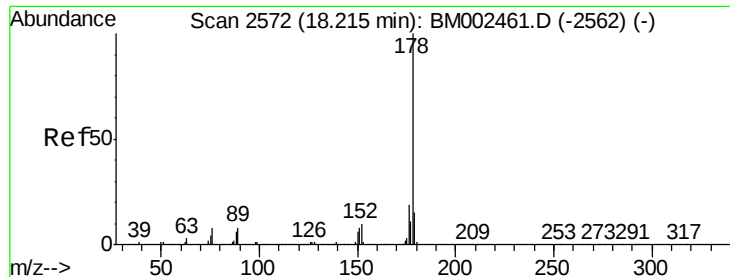


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

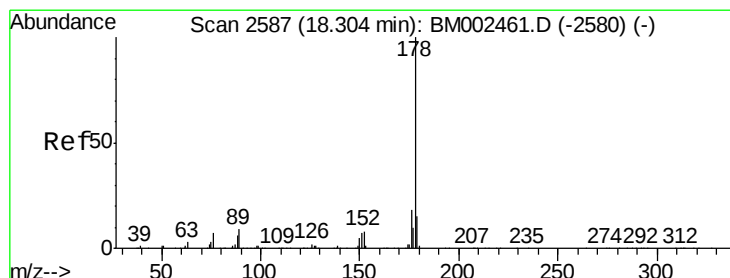
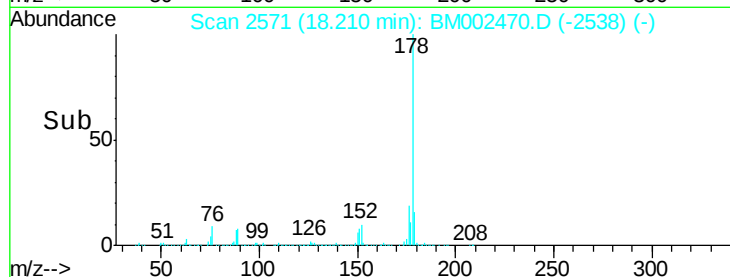
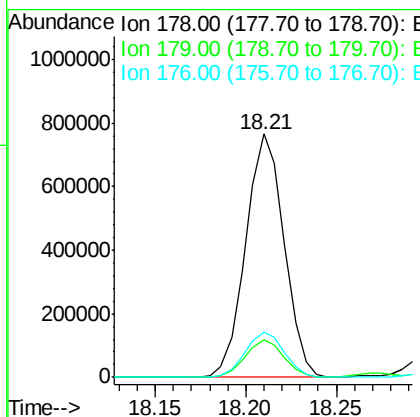
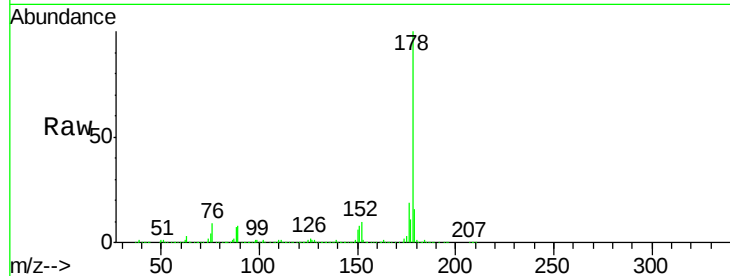




#13
 Phenanthrene
 Concen: 32.66 ng/ul
 RT: 18.21 min Scan# 2571
 Delta R.T. -0.01 min
 Lab File: BM002470.D
 Acq: 18 Aug 2015 02:41

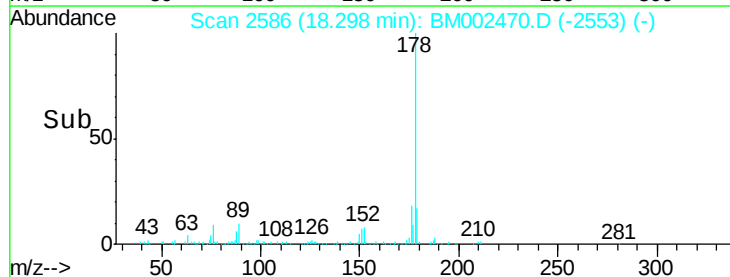
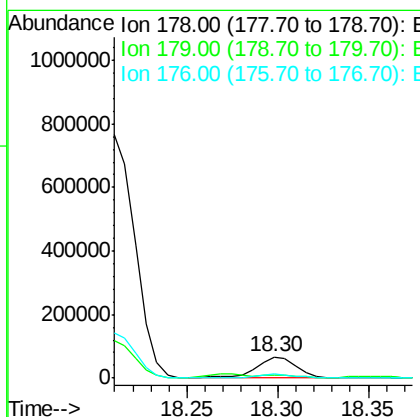
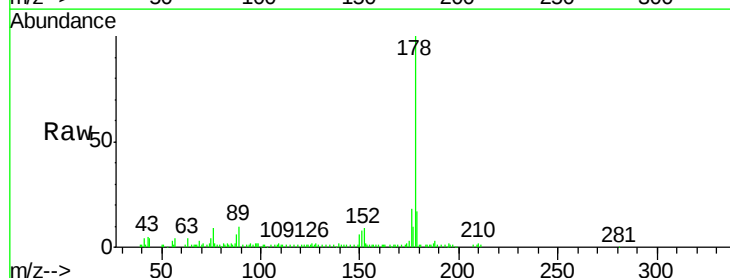
Instrument :
 BNA_M
 ClientSampleId :

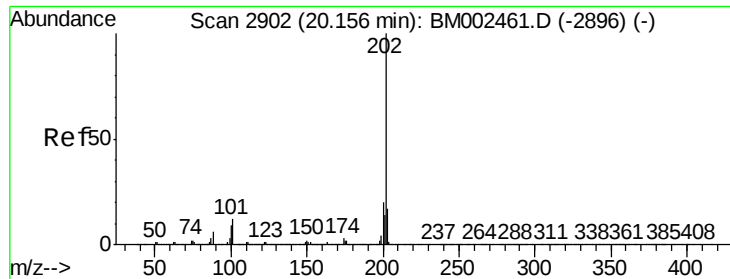
Tot Ion:178 Resp: 1124921
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.4 18.6
 176 18.8 15.1 22.7



#15
 Anthracene
 Concen: 2.95 ng/ul
 RT: 18.30 min Scan# 2586
 Delta R.T. -0.01 min
 Lab File: BM002470.D
 Acq: 18 Aug 2015 02:41

Tgt Ion:178 Resp: 102813
 Ion Ratio Lower Upper
 178 100
 179 16.7 12.6 18.8
 176 18.1 14.5 21.7



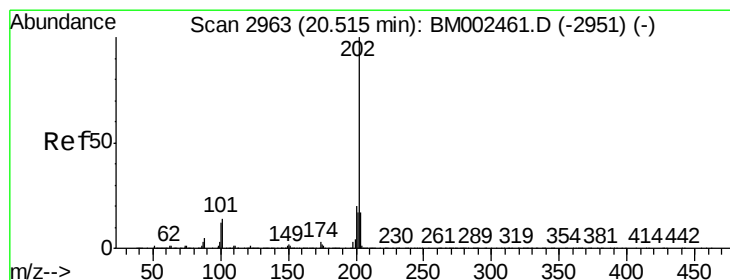
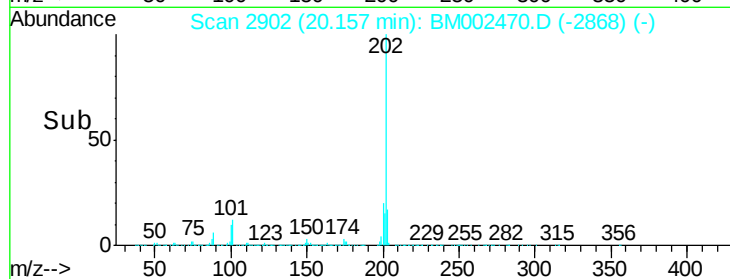
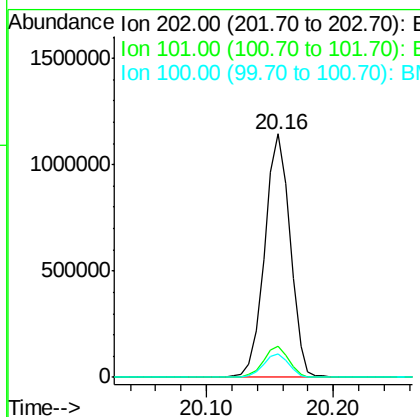
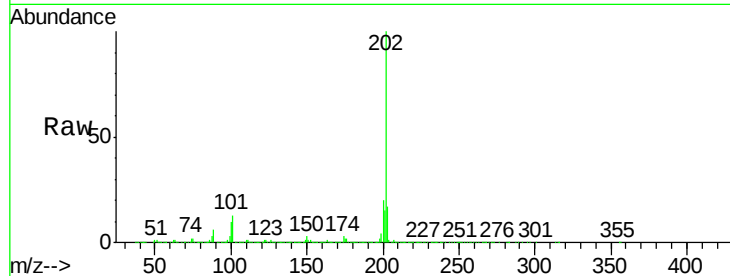


#16
 Fluoranthene
 Concen: 40.98 ng/ul
 RT: 20.16 min Scan# 2902
 Delta R.T. 0.00 min
 Lab File: BM002470.D
 Acq: 18 Aug 2015 02:41

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 1597887

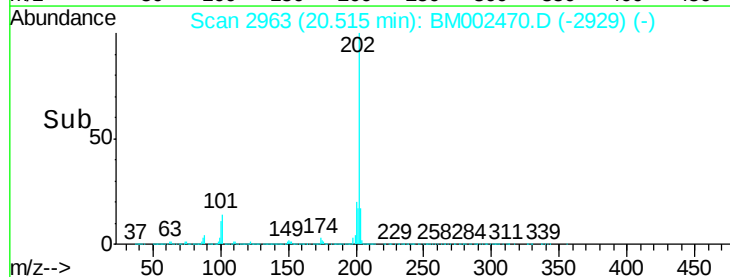
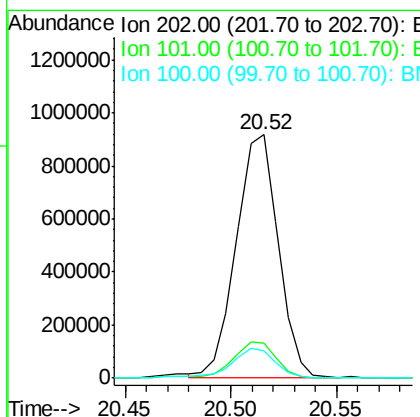
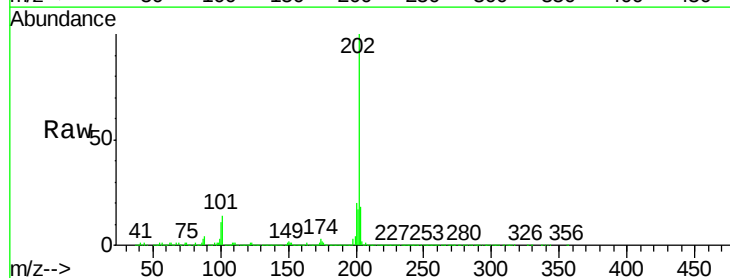
Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.7	14.5
100	9.6	7.4	11.2

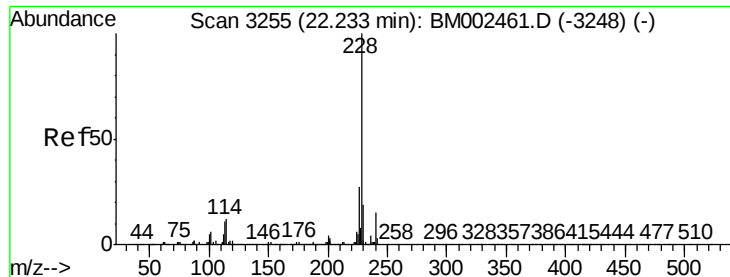


#19
 Pyrene
 Concen: 53.17 ng/ul
 RT: 20.52 min Scan# 2963
 Delta R.T. 0.00 min
 Lab File: BM002470.D
 Acq: 18 Aug 2015 02:41

Tgt Ion:202 Resp: 1257222

Ion	Ratio	Lower	Upper
202	100		
101	14.3	12.0	18.0
100	11.3	9.7	14.5





#20

Benzo(a)anthracene

Concen: 36.26 ng/ul

RT: 22.23 min Scan# 3255

Delta R.T. 0.00 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

Instrument :

BNA_M

ClientSampleId :

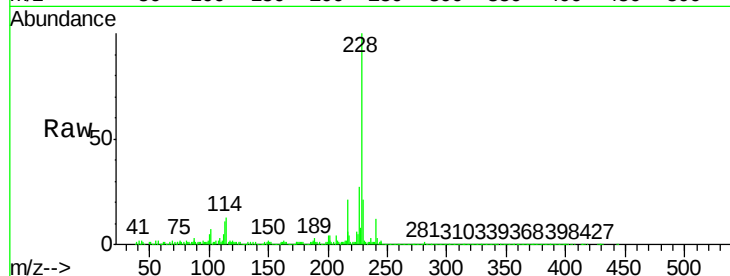
Tot Ion:228 Resp: 875279

Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

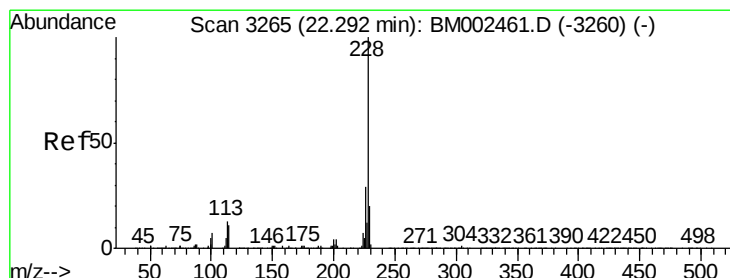
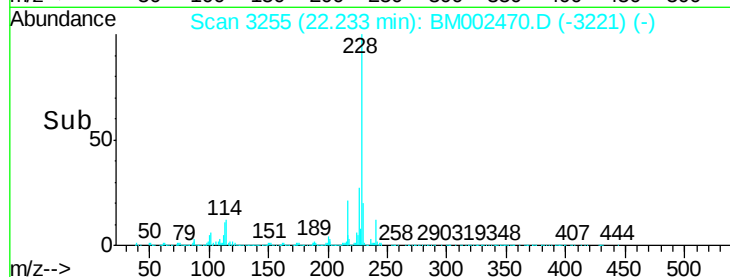
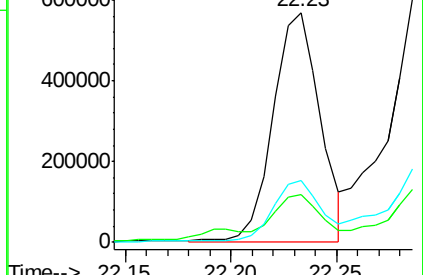
226 26.9 21.1 31.7



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: 52.84 ng/ul

RT: 22.29 min Scan# 3265

Delta R.T. 0.00 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

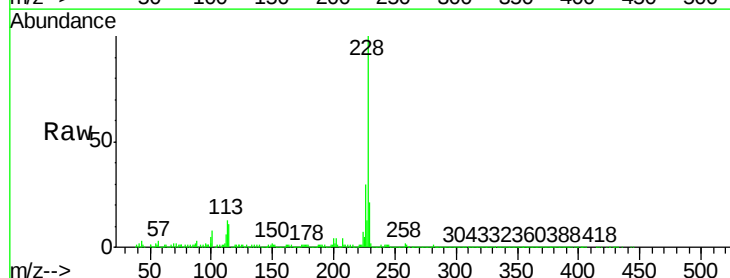
Tgt Ion:228 Resp: 1193081

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

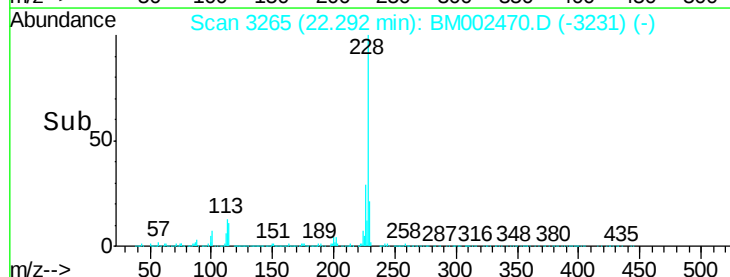
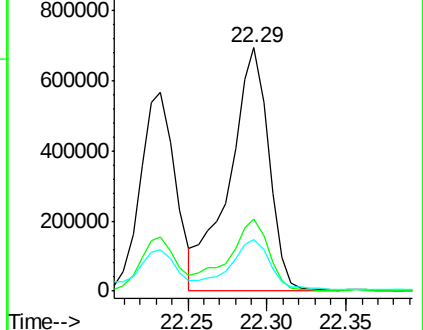
229 21.4 15.7 23.5

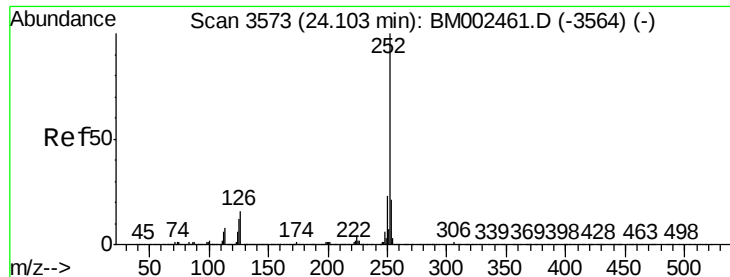


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 89.50 ng/ul

RT: 24.11 min Scan# 3574

Delta R.T. 0.01 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

Instrument :

BNA_M

ClientSampled :

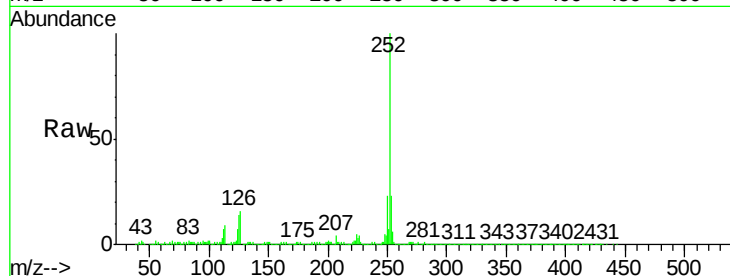
Tot Ion:252 Resp: 2284933

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

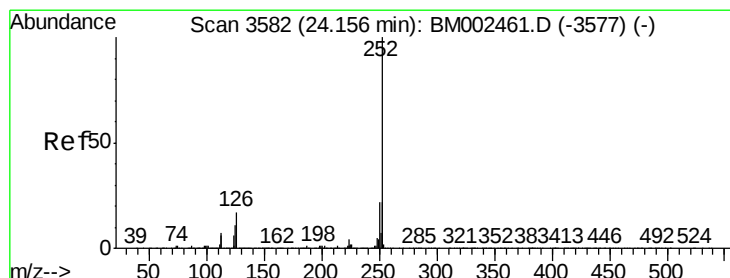
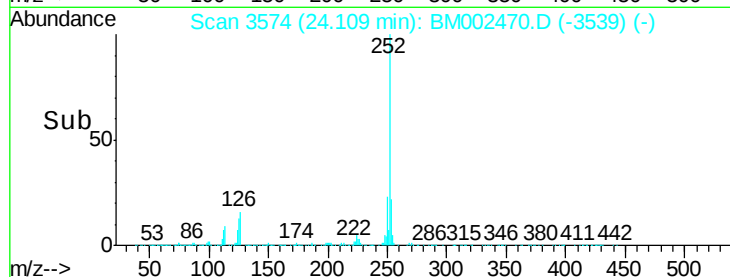
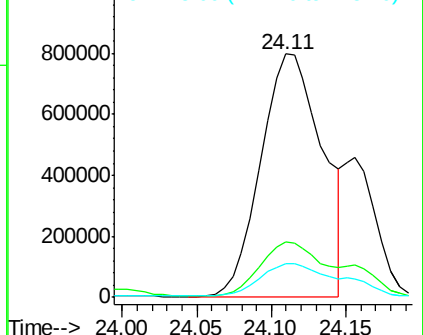
125 13.7 10.0 15.0



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: 23.89 ng/ul

RT: 24.11 min Scan# 3574

Delta R.T. -0.05 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

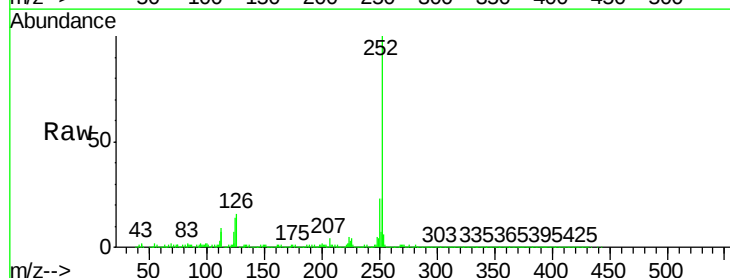
Tgt Ion:252 Resp: 577971

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

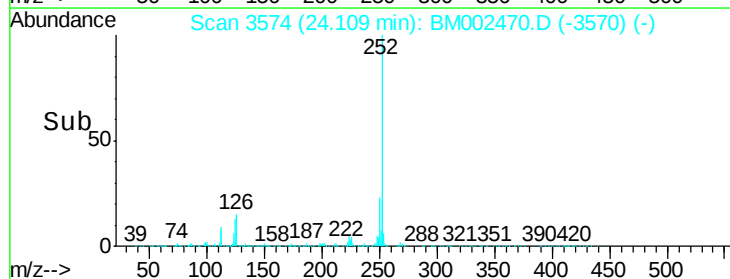
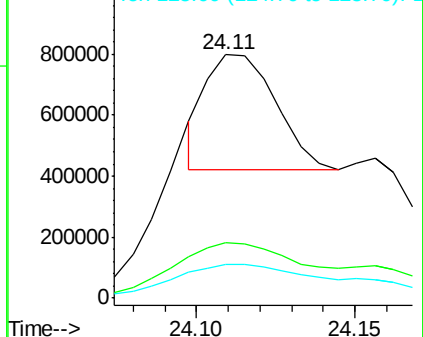
125 13.7 9.8 14.8

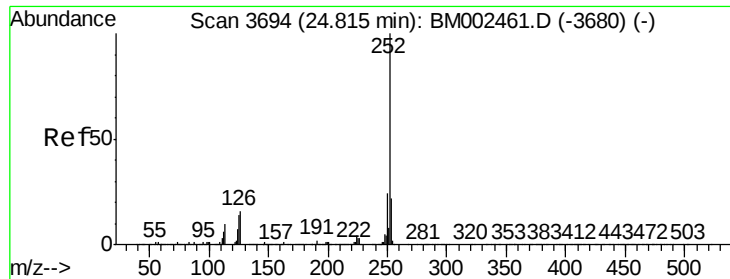


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 52.26 ng/ul

RT: 24.82 min Scan# 3695

Delta R.T. 0.01 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

Instrument :

BNA_M

ClientSampleId :

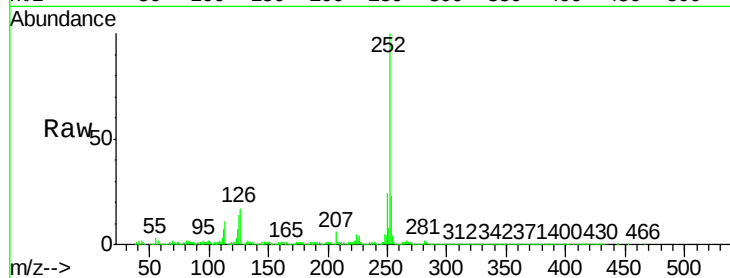
Tot Ion:252 Resp: 1274477

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

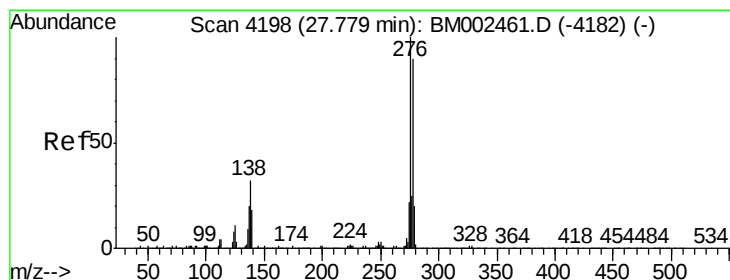
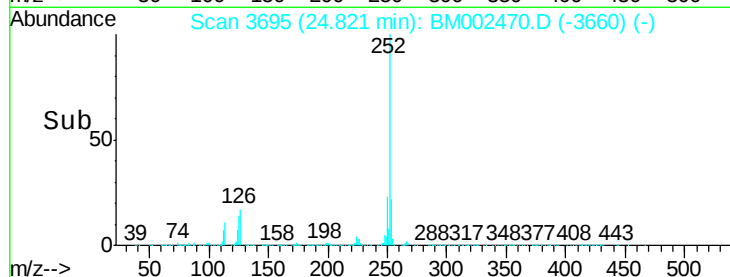
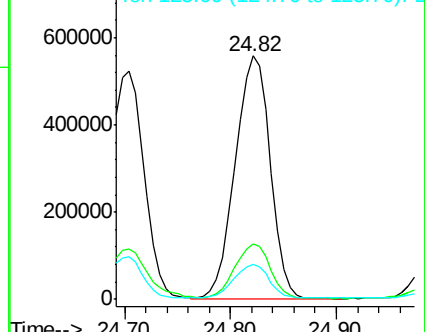
125 14.4 10.7 16.1



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: 44.26 ng/ul

RT: 27.80 min Scan# 4201

Delta R.T. 0.02 min

Lab File: BM002470.D

Acq: 18 Aug 2015 02:41

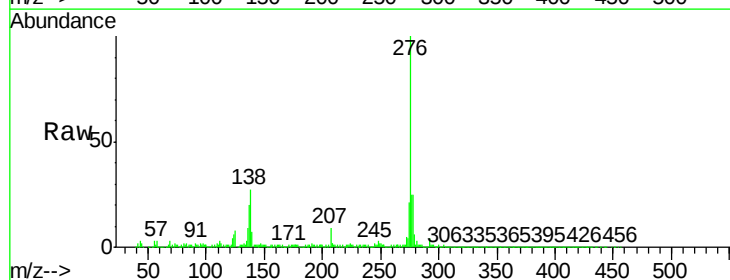
Tgt Ion:276 Resp: 1241183

Ion Ratio Lower Upper

276 100

138 26.5 25.3 37.9

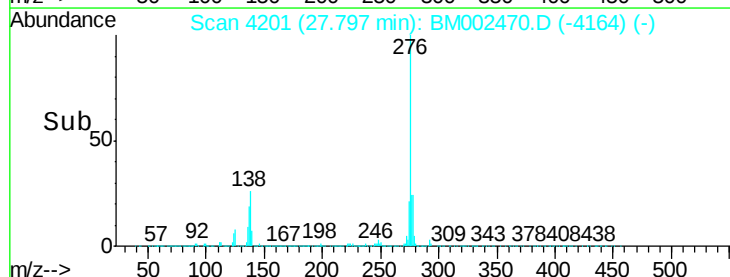
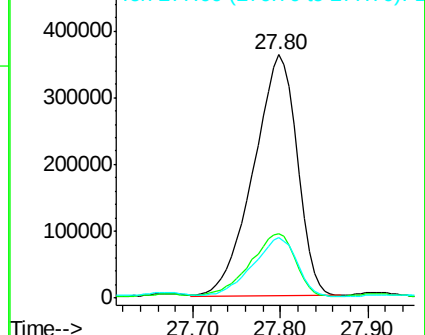
277 24.7 20.2 30.2

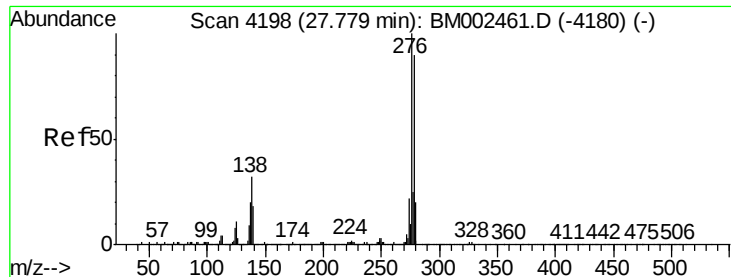


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

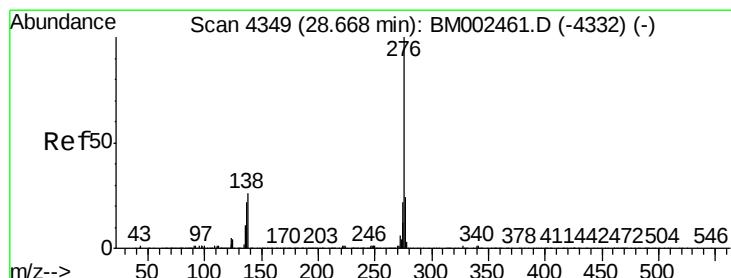
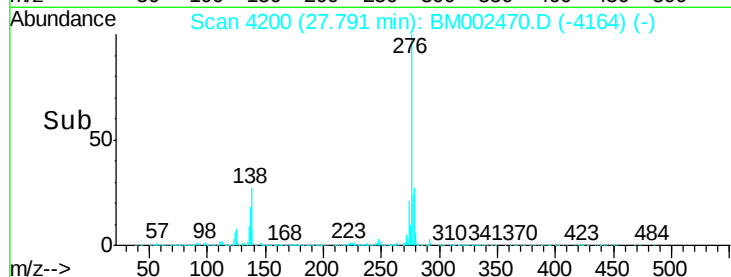
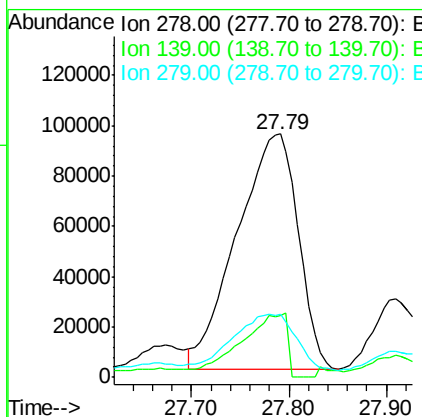
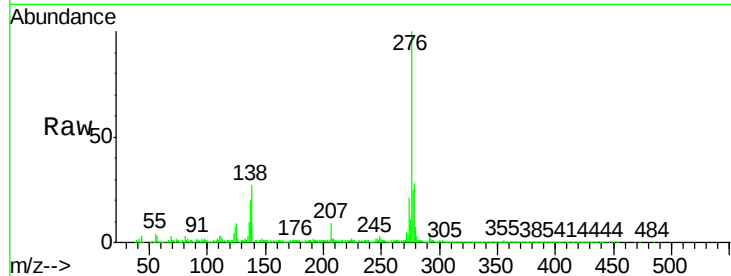




#28
Dibenzo(a,h)anthracene
Concen: 17.43 ng/ul
RT: 27.79 min Scan# 4200
Delta R.T. 0.01 min
Lab File: BM002470.D
Acq: 18 Aug 2015 02:41

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.6	16.5	24.7#
279	26.1	18.8	28.2



#29
Benzo(g,h,i)perylene
Concen: 48.44 ng/ul
RT: 28.69 min Scan# 4353
Delta R.T. 0.02 min
Lab File: BM002470.D
Acq: 18 Aug 2015 02:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.0	31.6
277	24.4	19.2	28.8

