

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002474.D
 Acq On : 18 Aug 2015 05:08
 Operator : UM/IZ
 Sample : G3227-24
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 18 06:57:24 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

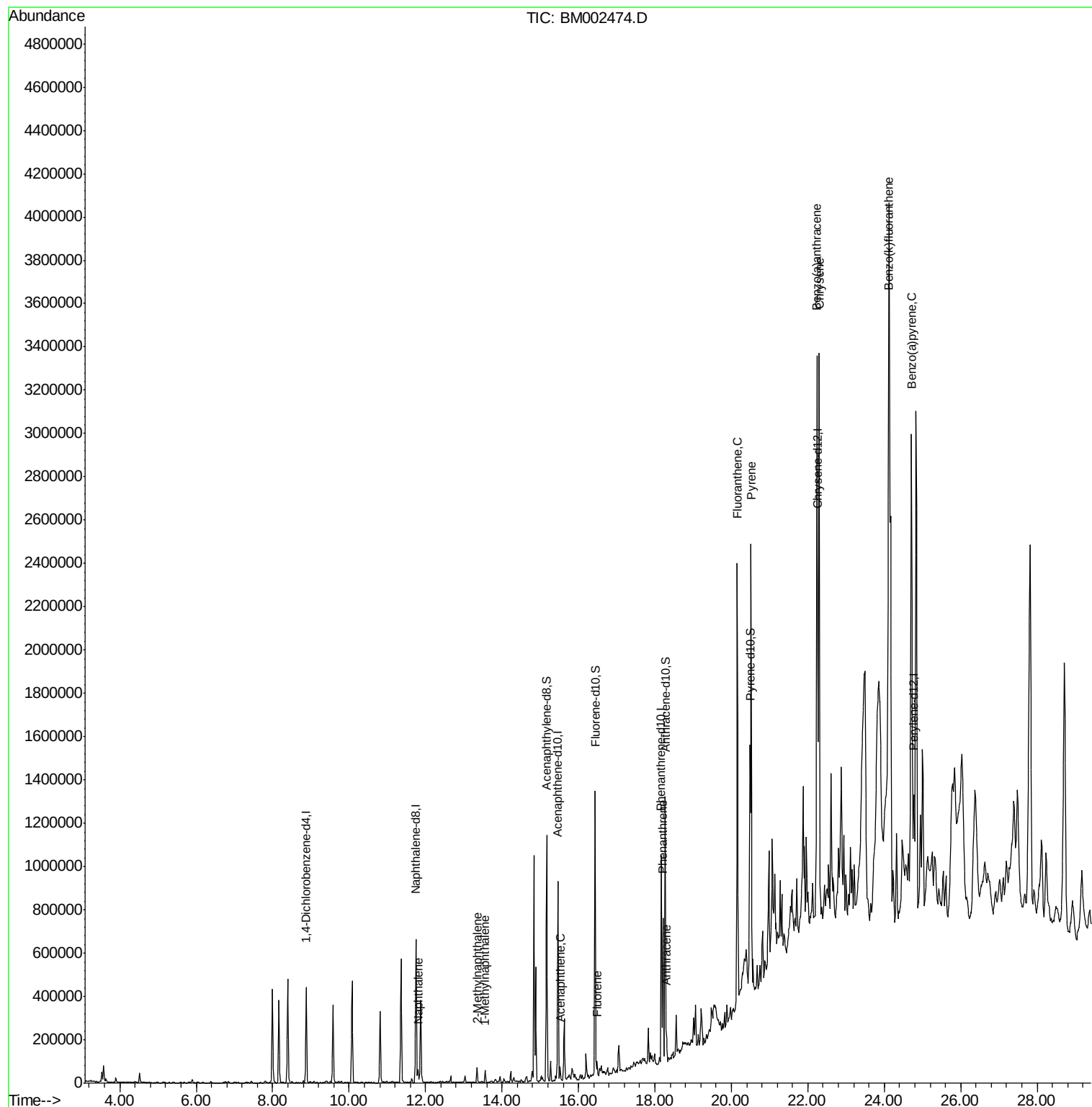
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	134726	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	613071	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	315509	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	579546	20.00	ng/ul	0.00
17) Chrysene-d12	22.26	240	388555	20.00	ng/ul	0.00
22) Perylene-d12	24.77	264	352079	20.00	ng/ul	-0.16
System Monitoring Compounds						
7) Acenaphthylene-d8	15.17	160	853608	26.46	ng/ul	0.00
10) Fluorene-d10	16.43	176	532678	23.51	ng/ul	0.00
14) Anthracene-d10	18.27	188	696406	24.91	ng/ul	0.00
18) Pyrene-d10	20.49	212	506431	29.40	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.59	264	170	0.01	ng/ul	-0.17
Target Compounds						
					Ovalue	
3) Naphthalene	11.80	128	56055	1.79	ng/ul	98
4) 2-Methylnaphthalene	13.35	142	34540	1.47	ng/ul	95
5) 1-Methylnaphthalene	13.56	142	26833	1.16	ng/ul	99
9) Acenaphthene	15.52	153	24726	1.11	ng/ul	94
11) Fluorene	16.49	166	27384	1.07	ng/ul#	96
13) Phenanthrene	18.22	178	435220	13.00	ng/ul	99
15) Anthracene	18.30	178	89335	2.63	ng/ul	100
16) Fluoranthene	20.16	202	1282333	33.84	ng/ul	98
19) Pyrene	20.52	202	1221108	53.65	ng/ul	100
20) Benzo(a)anthracene	22.24	228	1371384	59.02	ng/ul	99
21) Chrysene	22.30	228	1583145	72.85	ng/ul	97
24) Benzo(k)fluoranthene	24.13	252	3452401	171.16	ng/ul	98
26) Benzo(a)pyrene	24.71	252	1849617	90.98	ng/ul#	95

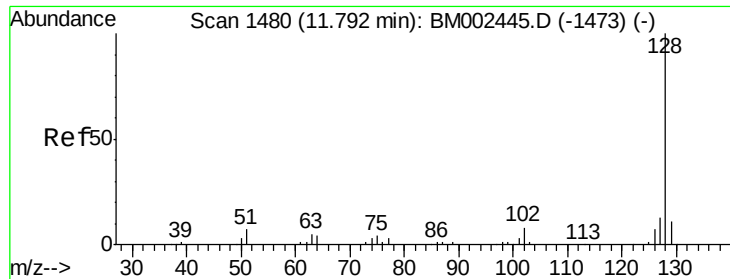
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.79 ng/ul

RT: 11.80 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BM002474.D

Acq: 18 Aug 2015 05:08

Instrument :

BNA_M

ClientSampleId :

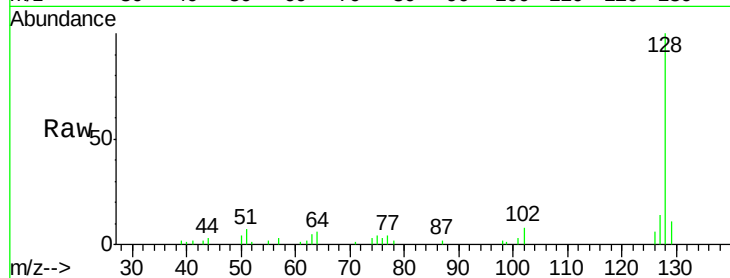
Tot Ion:128 Resp: 56055

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

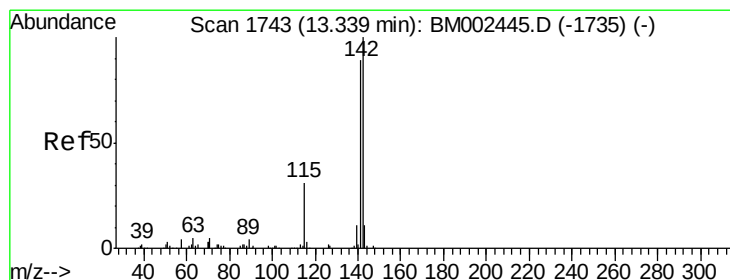
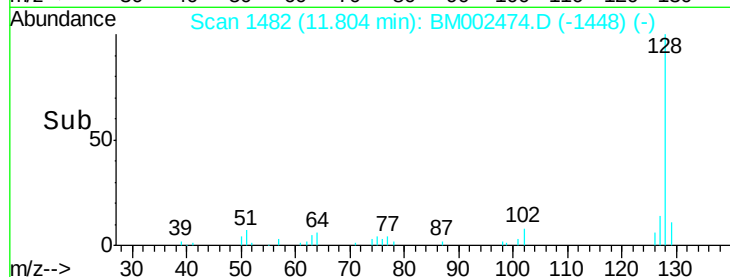
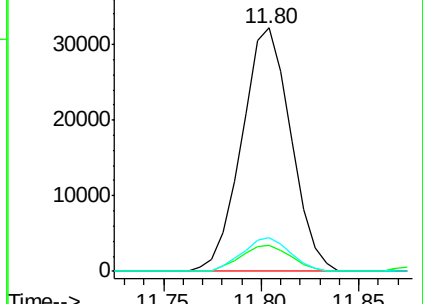
127 14.0 10.4 15.6



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: 1.47 ng/ul

RT: 13.35 min Scan# 1744

Delta R.T. 0.00 min

Lab File: BM002474.D

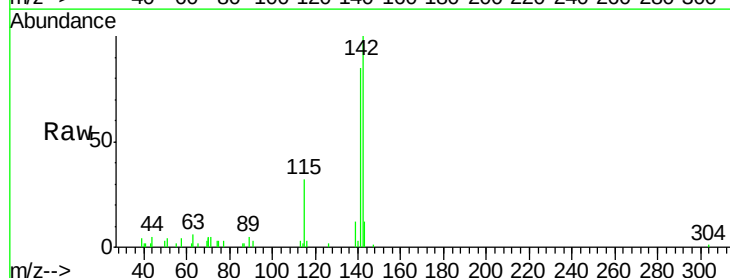
Acq: 18 Aug 2015 05:08

Tgt Ion:142 Resp: 34540

Ion Ratio Lower Upper

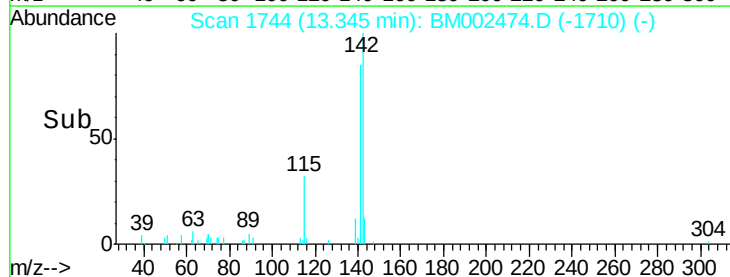
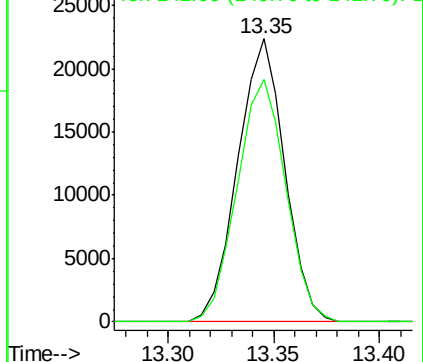
142 100

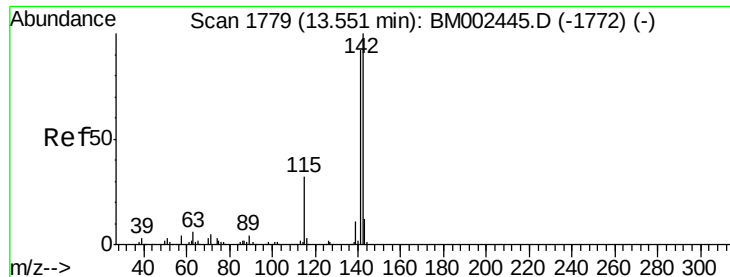
141 85.5 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.16 ng/ul

RT: 13.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BM002474.D

Acq: 18 Aug 2015 05:08

Instrument :

BNA_M

ClientSampleId :

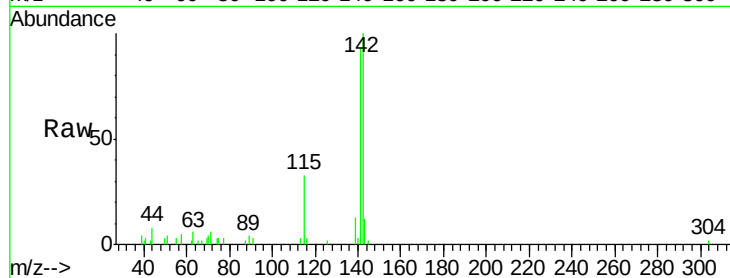
Tot Ion:142 Resp: 26833

Ion Ratio Lower Upper

142 100

141 93.2 73.9 110.9

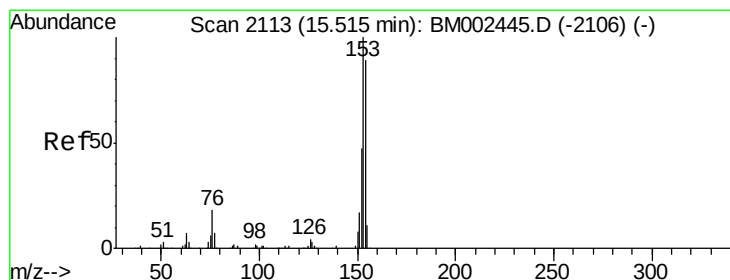
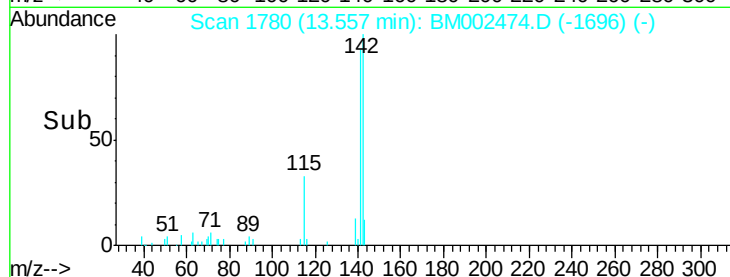
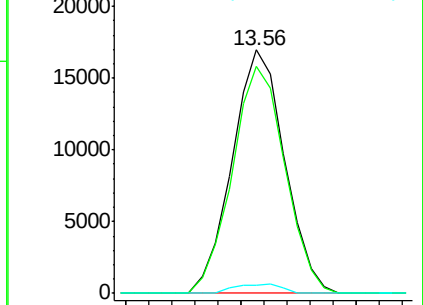
116 3.2 3.0 4.4



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



#9

Acenaphthene

Concen: 1.11 ng/ul

RT: 15.52 min Scan# 2114

Delta R.T. -0.01 min

Lab File: BM002474.D

Acq: 18 Aug 2015 05:08

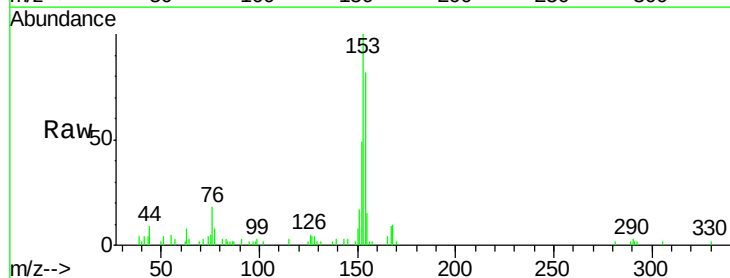
Tgt Ion:153 Resp: 24726

Ion Ratio Lower Upper

153 100

152 48.8 36.9 55.3

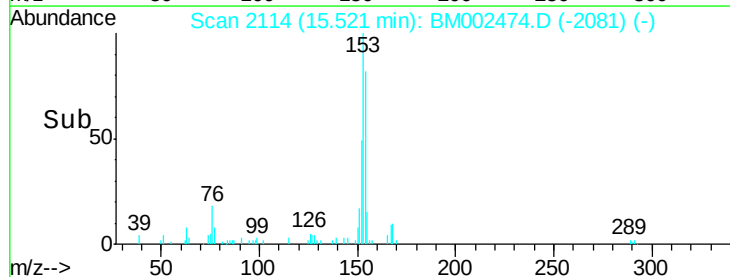
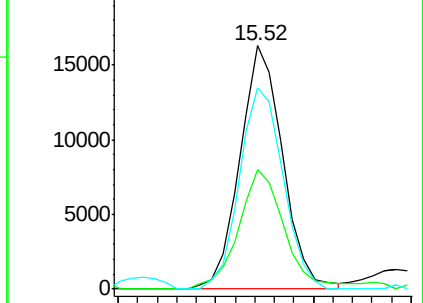
154 82.5 71.3 106.9

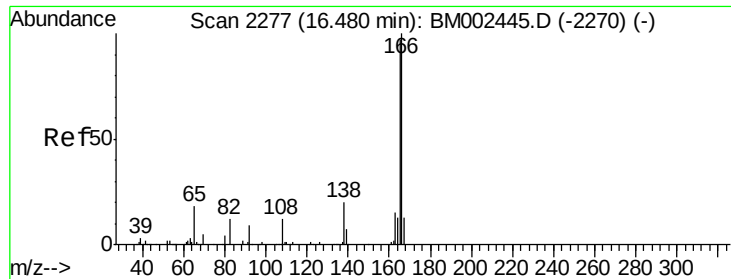


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

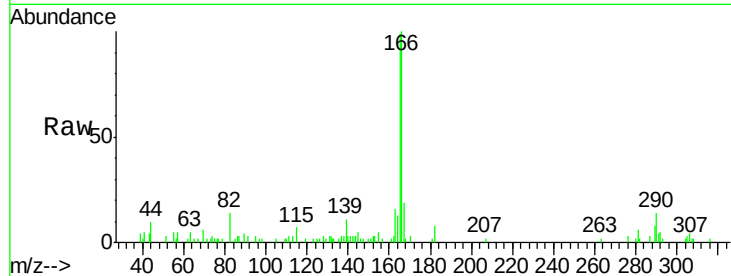




#11
 Fluorene
 Concen: 1.07 ng/ul
 RT: 16.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BM002474.D
 Acq: 18 Aug 2015 05:08

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.1	77.6	116.4
167	18.7	10.7	16.1#

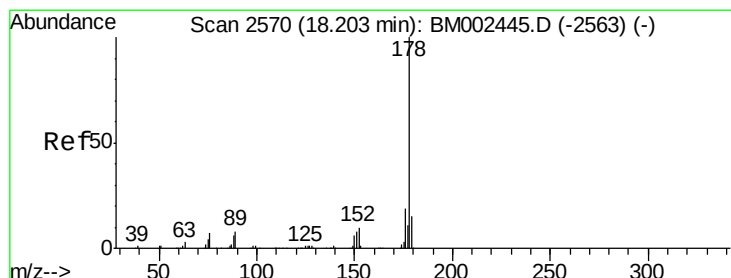
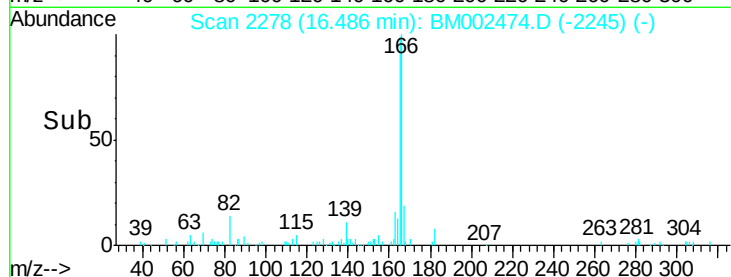
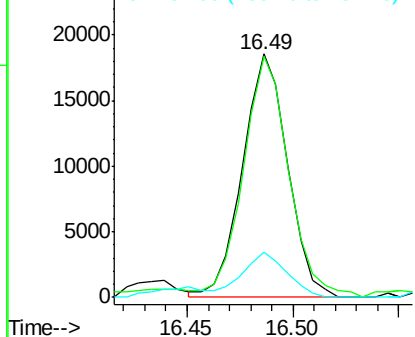


Abundance

Ion 166.00 (165.70 to 166.70): E

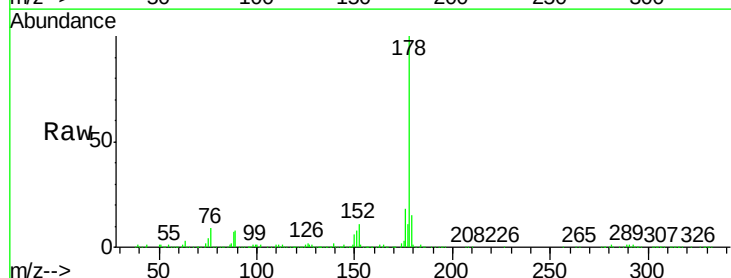
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13
 Phenanthrene
 Concen: 13.00 ng/ul
 RT: 18.22 min Scan# 2572
 Delta R.T. 0.00 min
 Lab File: BM002474.D
 Acq: 18 Aug 2015 05:08

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	18.4	15.1	22.7

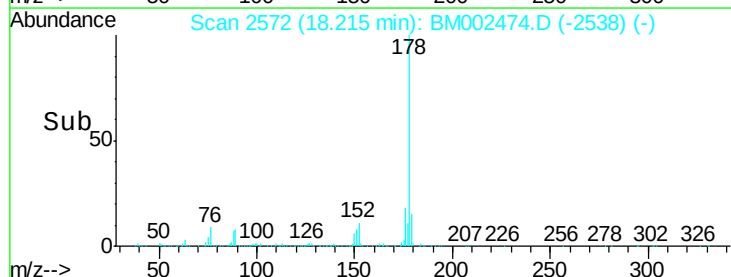
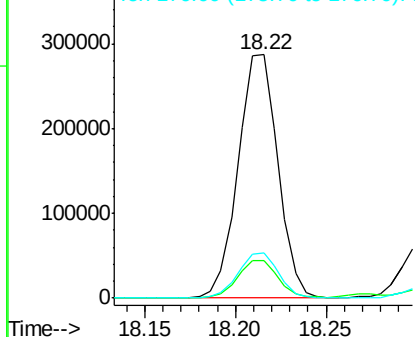


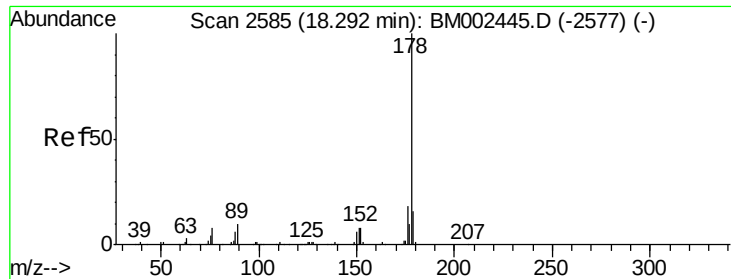
Abundance

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

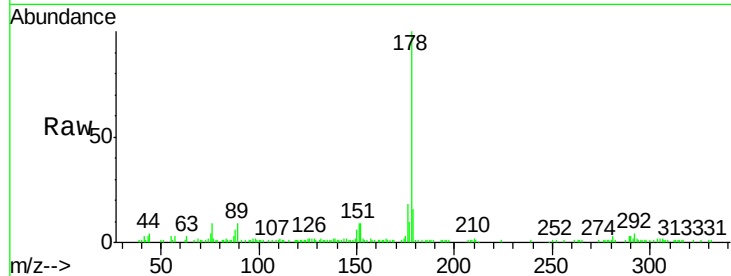




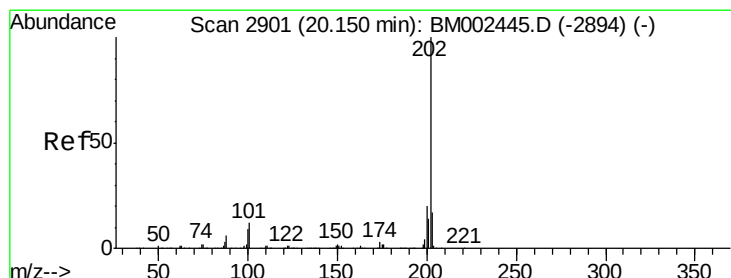
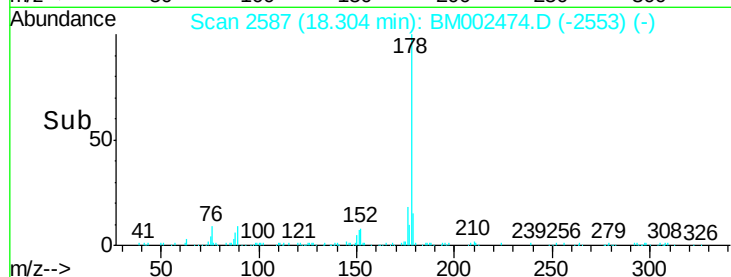
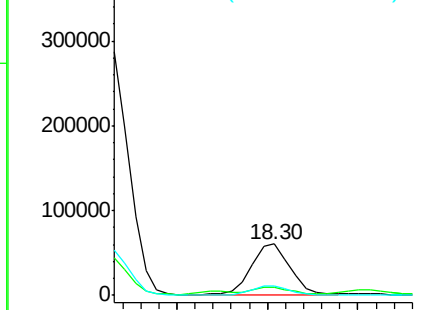
#15
 Anthracene
 Concen: 2.63 ng/ul
 RT: 18.30 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: BM002474.D
 Acq: 18 Aug 2015 05:08

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	18.8
176	18.1	14.5	21.7

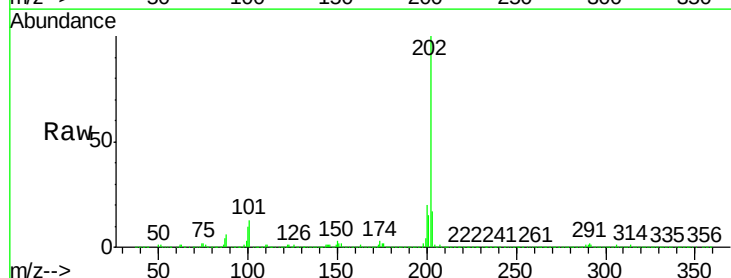


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

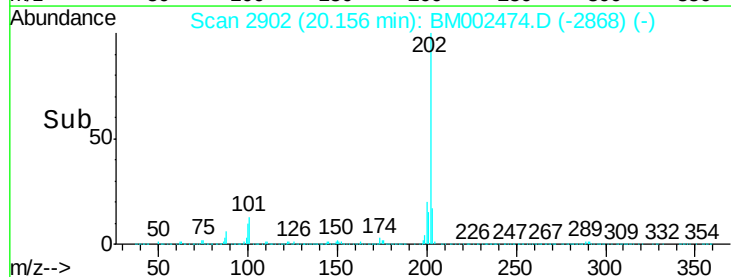
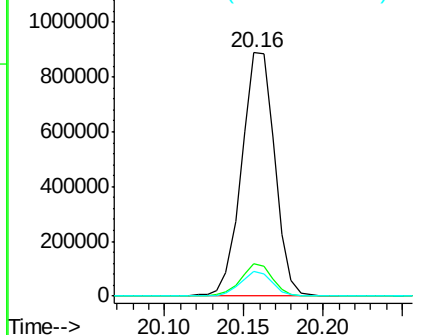


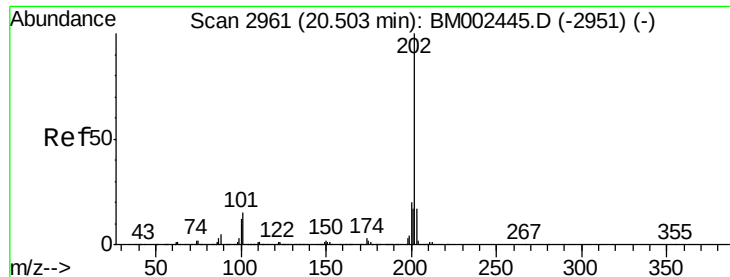
#16
 Fluoranthene
 Concen: 33.84 ng/ul
 RT: 20.16 min Scan# 2902
 Delta R.T. 0.00 min
 Lab File: BM002474.D
 Acq: 18 Aug 2015 05:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	9.7	14.5
100	10.0	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

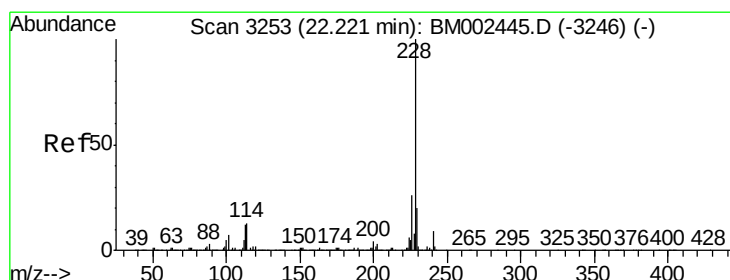
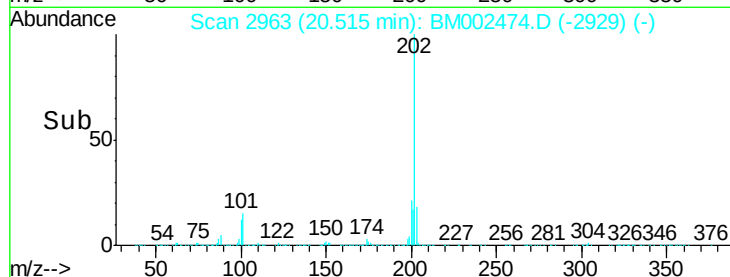
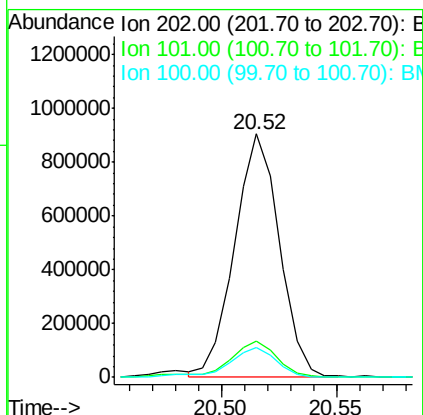
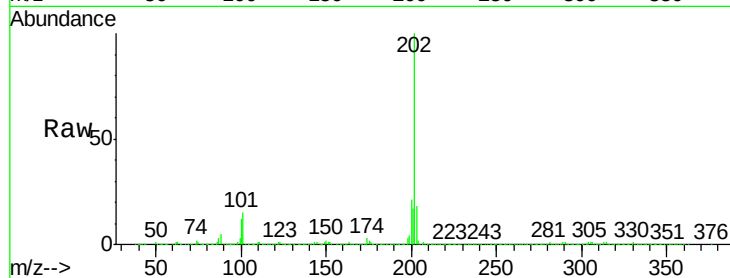




#19
Pvrene
Concen: 53.65 ng/ul
RT: 20.52 min Scan# 2963
Delta R.T. 0.00 min
Lab File: BM002474.D
Acq: 18 Aug 2015 05:08

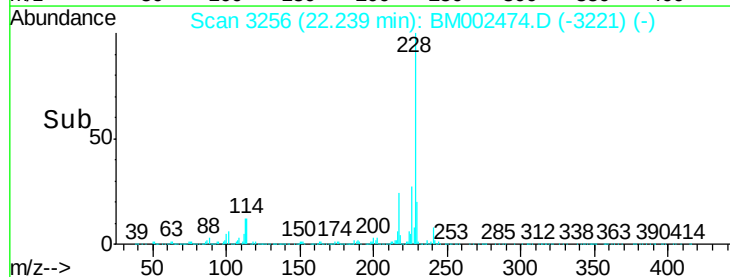
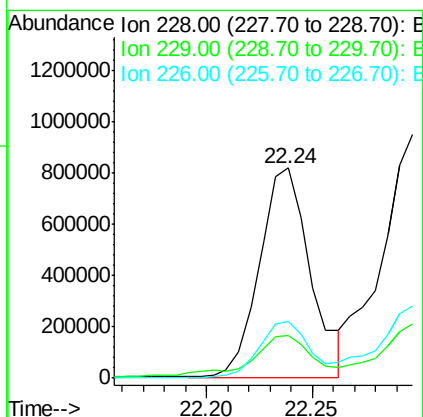
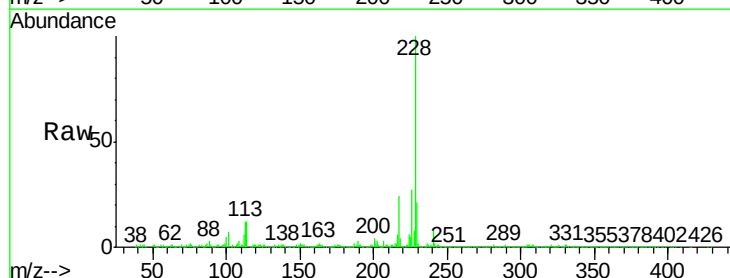
Instrument :
BNA_M
ClientSampleId :

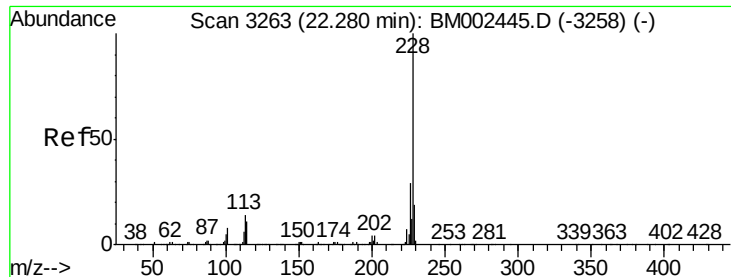
Tot Ion:202 Resp: 1221108
Ion Ratio Lower Upper
202 100
101 14.8 12.0 18.0
100 12.2 9.7 14.5



#20
Benzo(a)anthracene
Concen: 59.02 ng/ul
RT: 22.24 min Scan# 3256
Delta R.T. 0.01 min
Lab File: BM002474.D
Acq: 18 Aug 2015 05:08

Tgt Ion:228 Resp: 1371384
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.6
226 26.8 21.1 31.7





#21

Chrysene

Concen: 72.85 ng/ul

RT: 22.30 min Scan# 3266

Delta R.T. 0.01 min

Lab File: BM002474.D

Acq: 18 Aug 2015 05:08

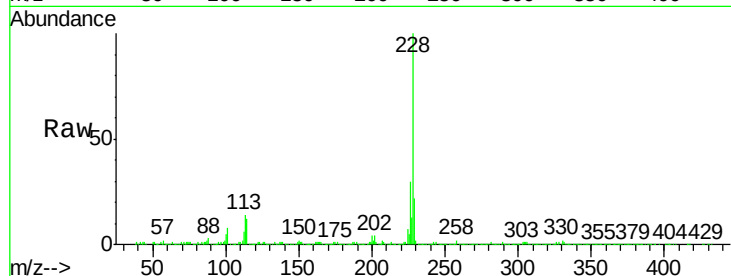
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1583145

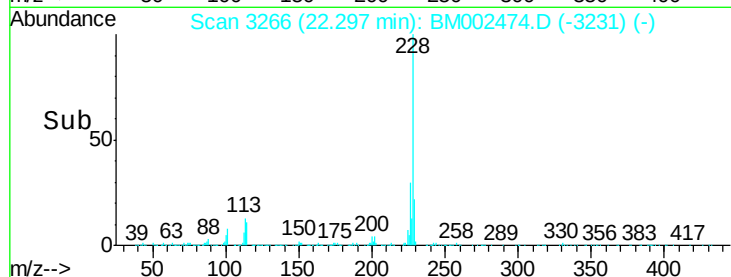
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.2
229	22.1	15.7	23.5



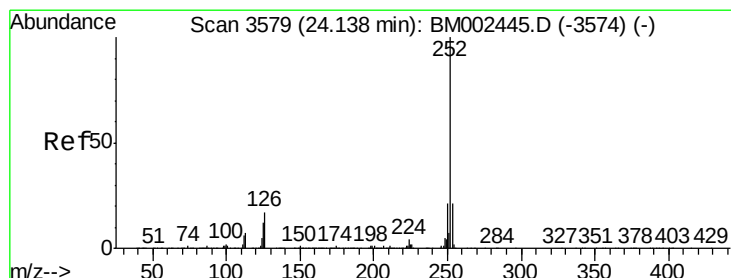
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 171.16 ng/ul

RT: 24.13 min Scan# 3577

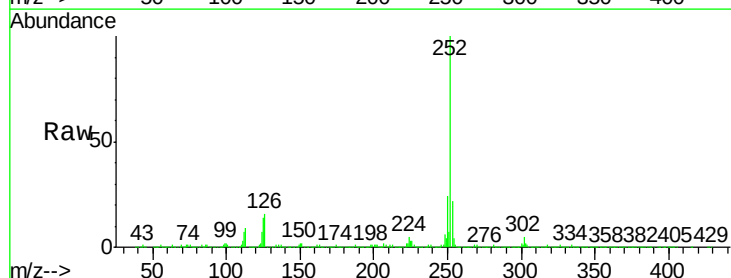
Delta R.T. -0.03 min

Lab File: BM002474.D

Acq: 18 Aug 2015 05:08

Tgt Ion:252 Resp: 3452401

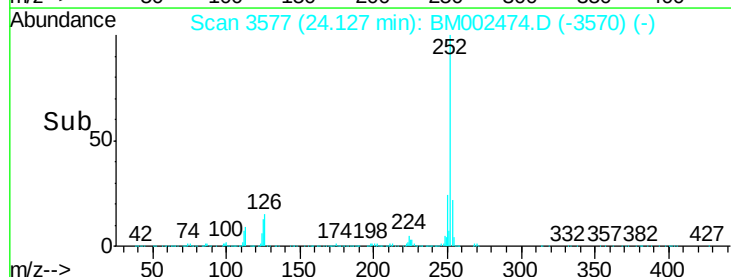
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	13.9	9.8	14.8



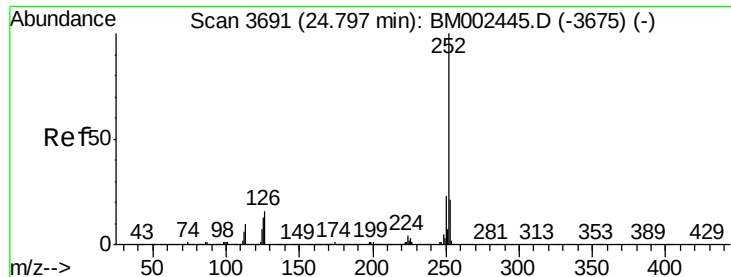
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#26

Benzo(a)pyrene

Concen: 90.98 ng/ul

RT: 24.71 min Scan# 3677

Delta R.T. -0.10 min

Lab File: BM002474.D

Acq: 18 Aug 2015 05:08

Instrument :

BNA_M

ClientSampleId :

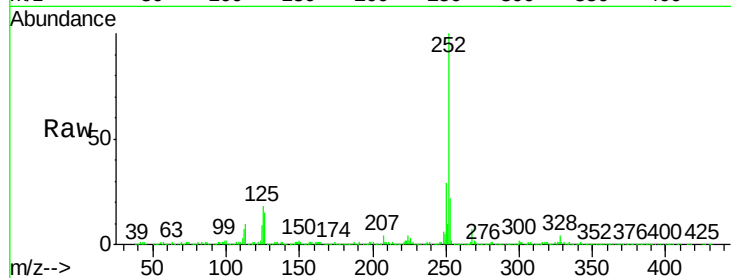
Tot Ion:252 Resp: 1849617

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 18.2 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

