

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002473.D
 Acq On : 18 Aug 2015 04:31
 Operator : UM/IZ
 Sample : G3227-23
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

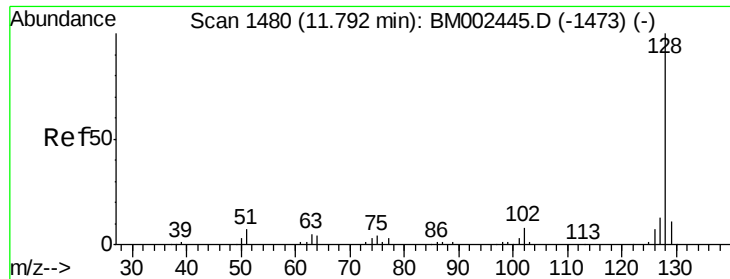
Quant Time: Aug 18 06:57:12 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 03:02:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	147268	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	654232	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	330113	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	564991	20.00	ng/ul	0.00
17) Chrysene-d12	22.26	240	378365	20.00	ng/ul	0.01
22) Perylene-d12	24.79	264	437731	20.00	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.17	160	871253	25.81	ng/ul	0.00
10) Fluorene-d10	16.43	176	546140	23.04	ng/ul	0.00
14) Anthracene-d10	18.27	188	670033	24.59	ng/ul	0.00
18) Pyrene-d10	20.49	212	495529	29.55	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	165	0.01	ng/ul	-0.14

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.80	128	120515	3.61	ng/ul	99
4) 2-Methylnaphthalene	13.35	142	71680	2.87	ng/ul	100
5) 1-Methylnaphthalene	13.56	142	52283	2.11	ng/ul	99
9) Acenaphthene	15.52	153	54173	2.33	ng/ul	97
11) Fluorene	16.49	166	82979	3.11	ng/ul	95
13) Phenanthrene	18.22	178	1203745	36.90	ng/ul	100
15) Anthracene	18.30	178	277074	8.38	ng/ul	99
16) Fluoranthene	20.16	202	3289216	89.05	ng/ul	97
19) Pyrene	20.52	202	3094296	139.60	ng/ul	98
20) Benzo(a)anthracene	22.24	228	3600646	159.14	ng/ul	97
21) Chrysene	22.31	228	4124523	194.90	ng/ul	96
26) Benzo(a)pyrene	24.74	252	4728327	187.07	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	27.60	276	68279	2.35	ng/ul#	58
28) Dibenzo(a,h)anthracene	27.57	278	108641	4.47	ng/ul#	77

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



#3

Naphthalene

Concen: 3.61 ng/ul

RT: 11.80 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

Instrument :

BNA_M

ClientSampleId :

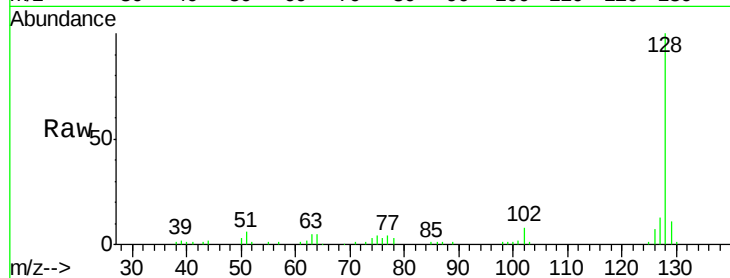
Tot Ion:128 Resp: 120515

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

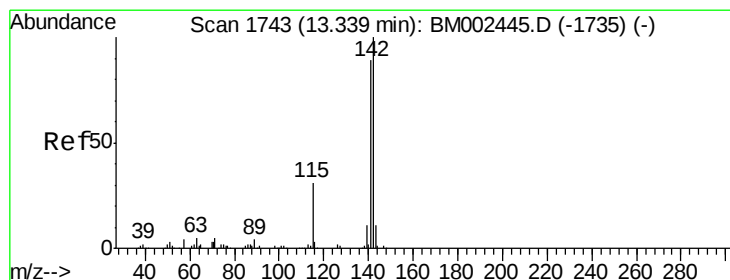
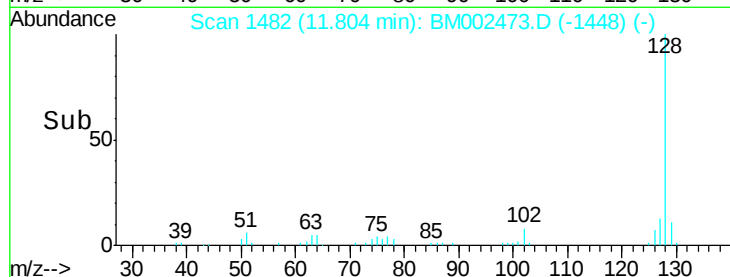
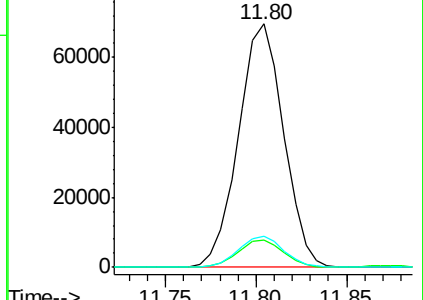
127 12.8 10.4 15.6



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: 2.87 ng/ul

RT: 13.35 min Scan# 1744

Delta R.T. 0.00 min

Lab File: BM002473.D

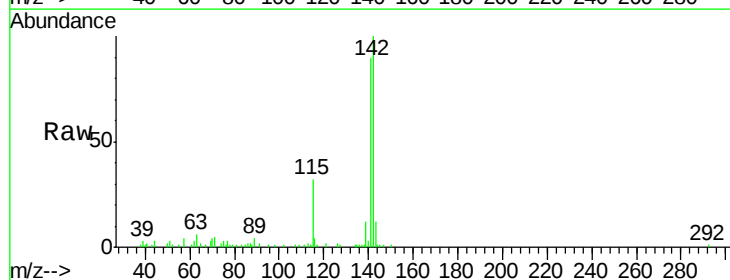
Acq: 18 Aug 2015 04:31

Tgt Ion:142 Resp: 71680

Ion Ratio Lower Upper

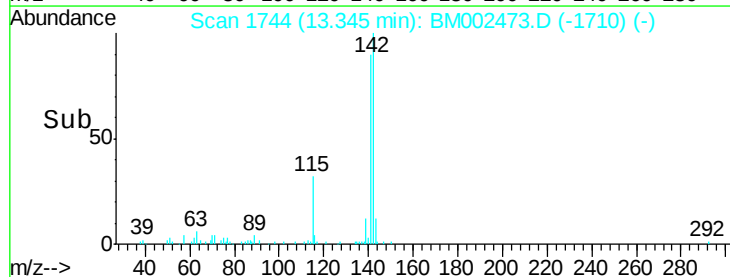
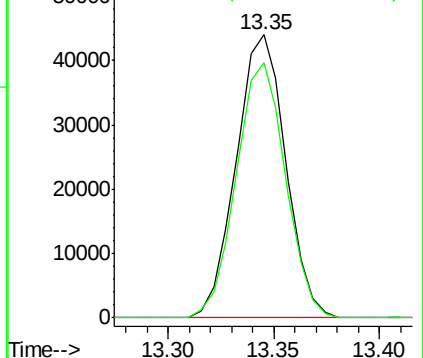
142 100

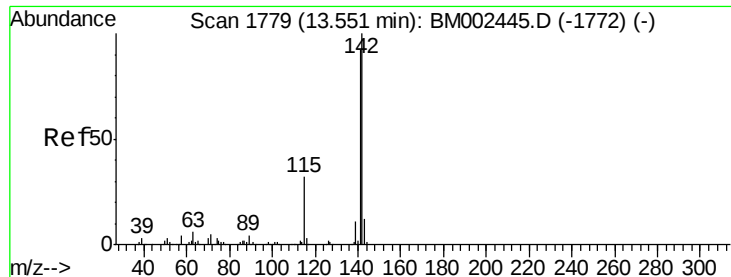
141 90.1 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

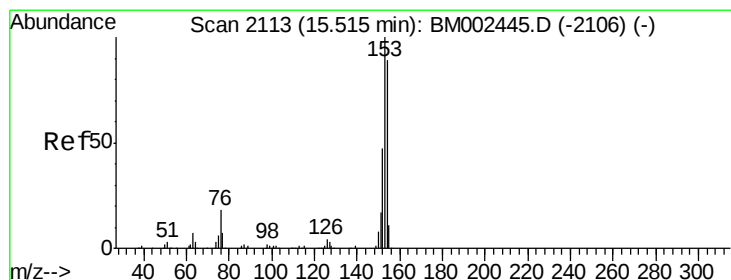
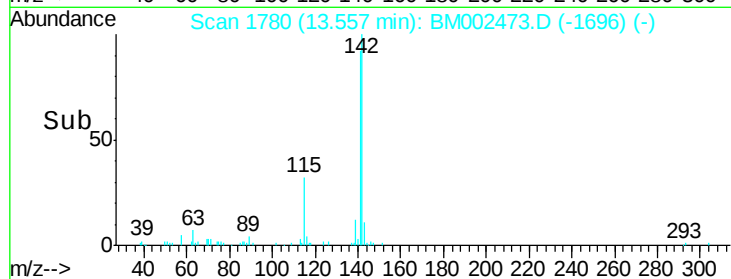
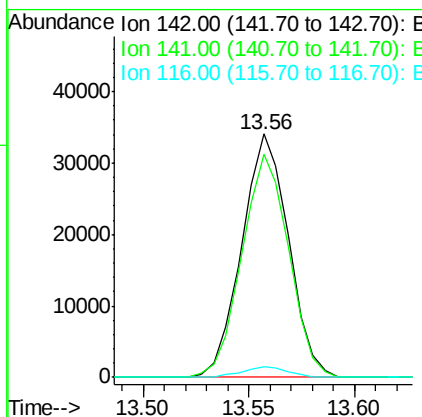
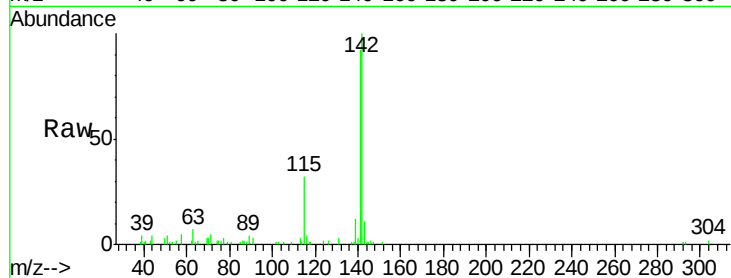




#5
1-Methylnaphthalene
Concen: 2.11 ng/ul
RT: 13.56 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BM002473.D
Acq: 18 Aug 2015 04:31

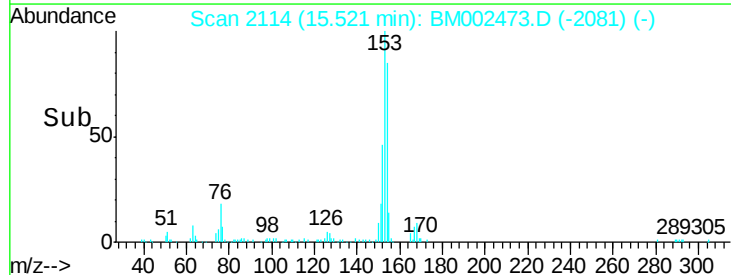
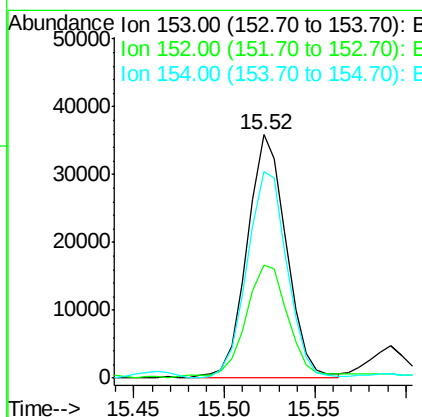
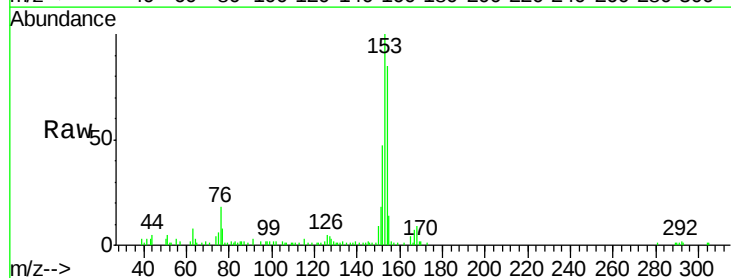
Instrument :
BNA_M
ClientSampleId :

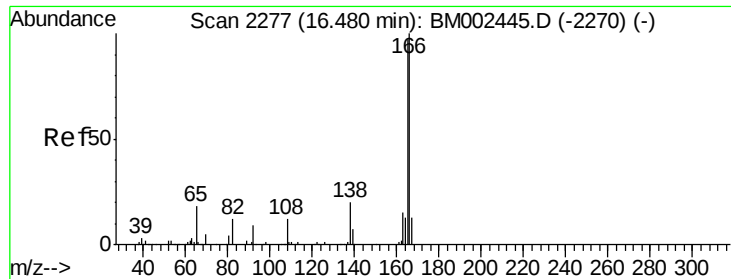
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.9	110.9
116	4.4	3.0	4.4



#9
Acenaphthene
Concen: 2.33 ng/ul
RT: 15.52 min Scan# 2114
Delta R.T. -0.01 min
Lab File: BM002473.D
Acq: 18 Aug 2015 04:31

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.5	36.9	55.3
154	84.6	71.3	106.9

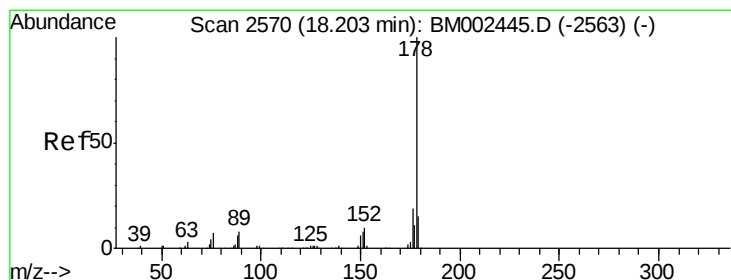
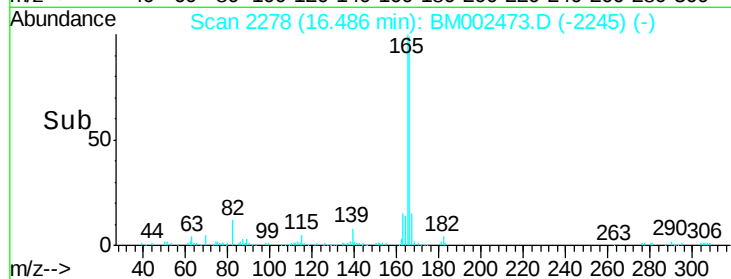
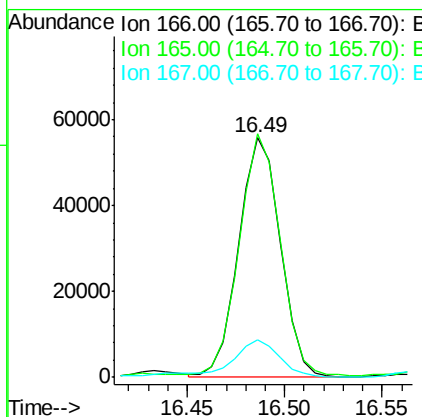
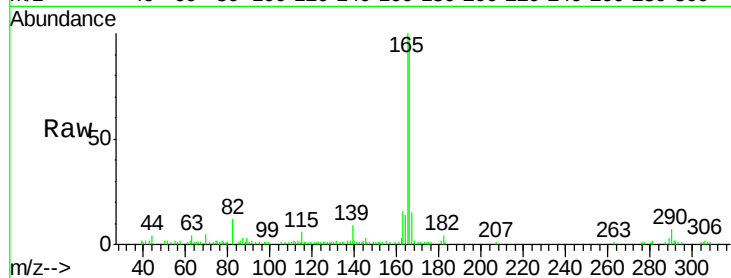




#11
 Fluorene
 Concen: 3.11 ng/ul
 RT: 16.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BM002473.D
 Acq: 18 Aug 2015 04:31

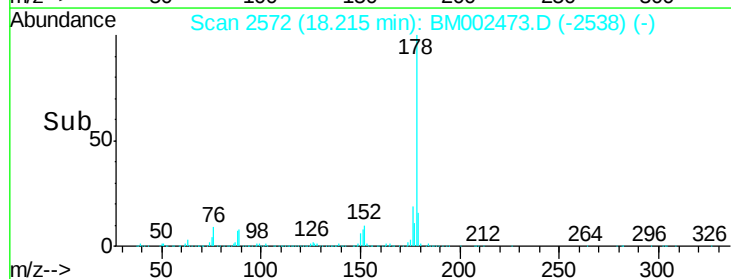
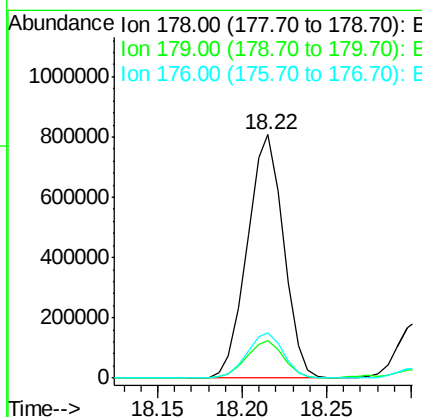
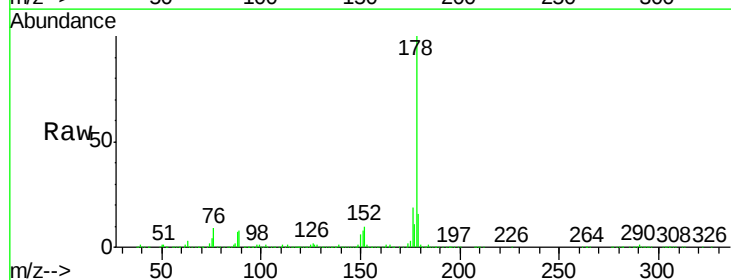
Instrument :
 BNA_M
 ClientSampleId :

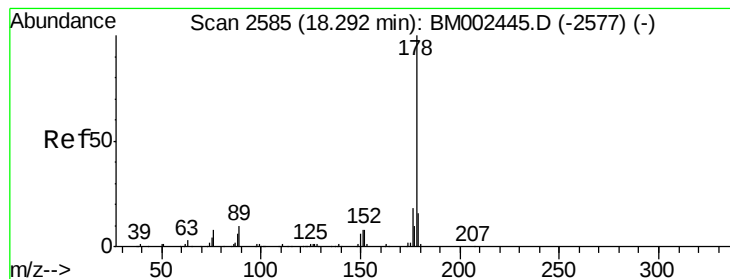
Tot Ion	Ratio	Lower	Upper
166	100		
165	101.7	77.6	116.4
167	15.6	10.7	16.1



#13
 Phenanthrene
 Concen: 36.90 ng/ul
 RT: 18.22 min Scan# 2572
 Delta R.T. 0.00 min
 Lab File: BM002473.D
 Acq: 18 Aug 2015 04:31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6
176	18.7	15.1	22.7

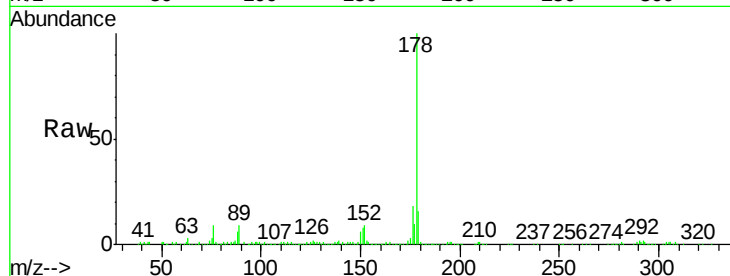




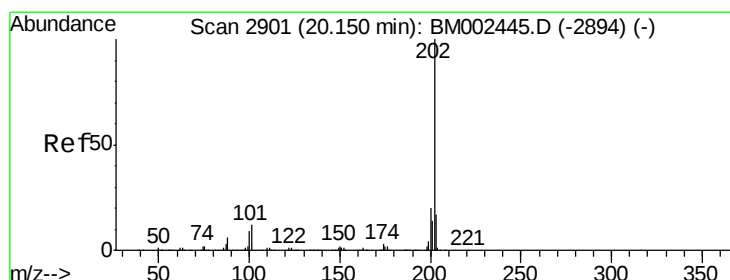
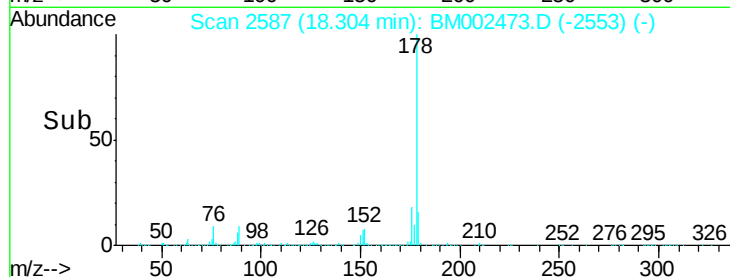
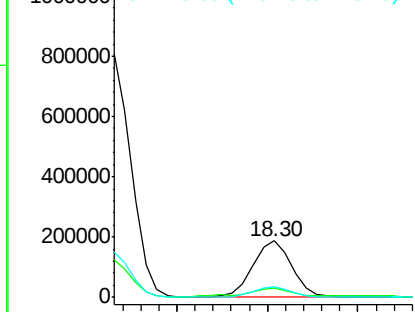
#15
 Anthracene
 Concen: 8.38 ng/ul
 RT: 18.30 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: BM002473.D
 Acq: 18 Aug 2015 04:31

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 277074
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.6 18.8
 176 18.4 14.5 21.7

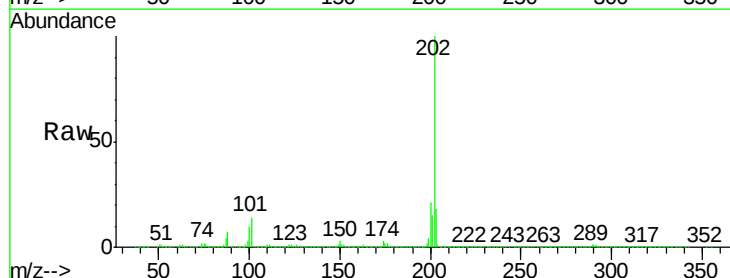


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

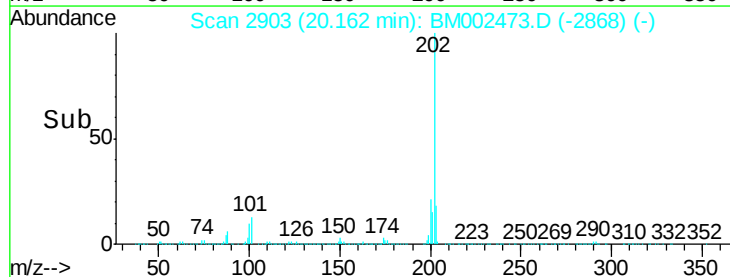
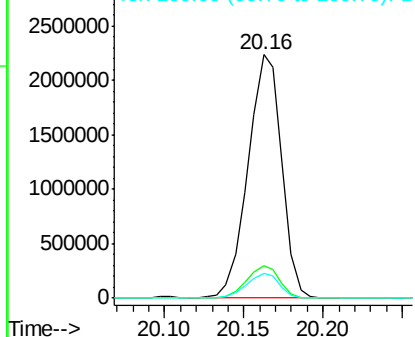


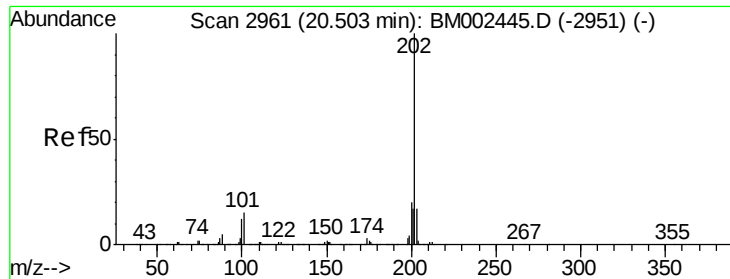
#16
 Fluoranthene
 Concen: 89.05 ng/ul
 RT: 20.16 min Scan# 2903
 Delta R.T. 0.01 min
 Lab File: BM002473.D
 Acq: 18 Aug 2015 04:31

Tgt Ion:202 Resp: 3289216
 Ion Ratio Lower Upper
 202 100
 101 13.5 9.7 14.5
 100 10.3 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

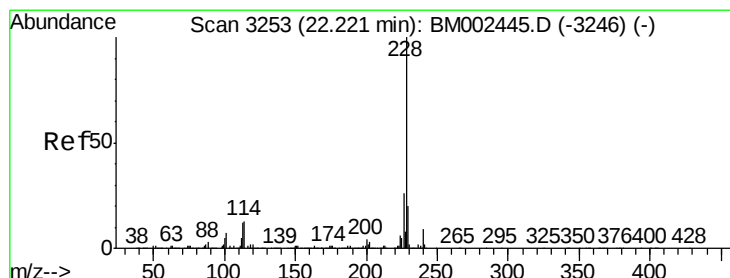
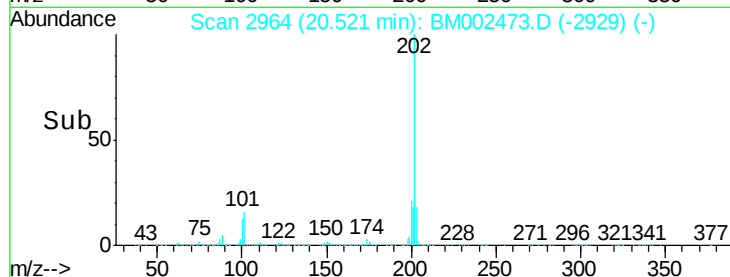
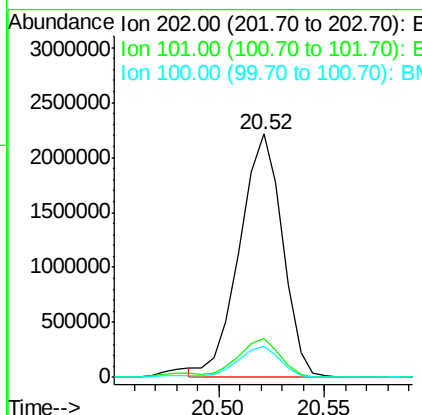
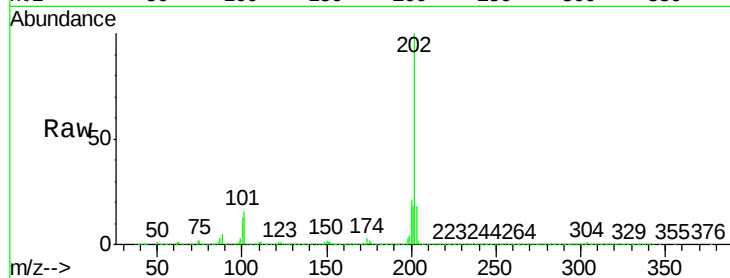




#19
Pvrene
Concen: 139.60 ng/ul
RT: 20.52 min Scan# 2964
Delta R.T. 0.01 min
Lab File: BM002473.D
Acq: 18 Aug 2015 04:31

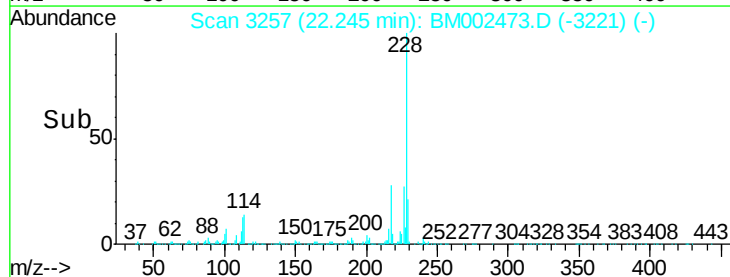
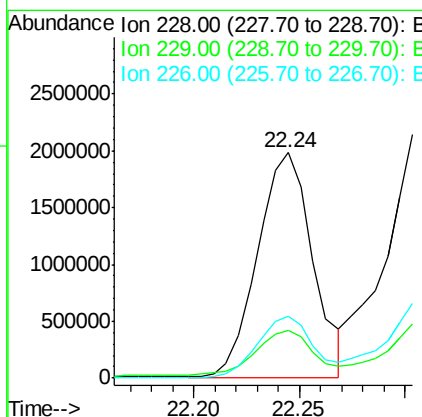
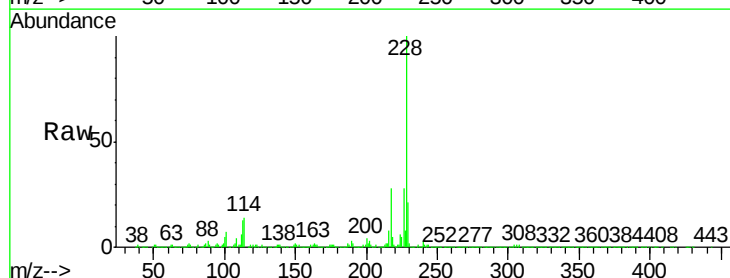
Instrument :
BNA_M
ClientSampled :

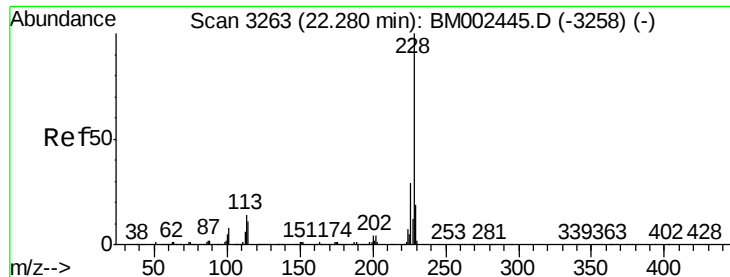
Tot Ion:202 Resp: 3094296
Ion Ratio Lower Upper
202 100
101 15.8 12.0 18.0
100 12.6 9.7 14.5



#20
Benzo(a)anthracene
Concen: 159.14 ng/ul
RT: 22.24 min Scan# 3257
Delta R.T. 0.01 min
Lab File: BM002473.D
Acq: 18 Aug 2015 04:31

Tgt Ion:228 Resp: 3600646
Ion Ratio Lower Upper
228 100
229 21.1 15.8 23.6
226 27.7 21.1 31.7





#21

Chrysene

Concen: 194.90 ng/ul

RT: 22.31 min Scan# 3268

Delta R.T. 0.02 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

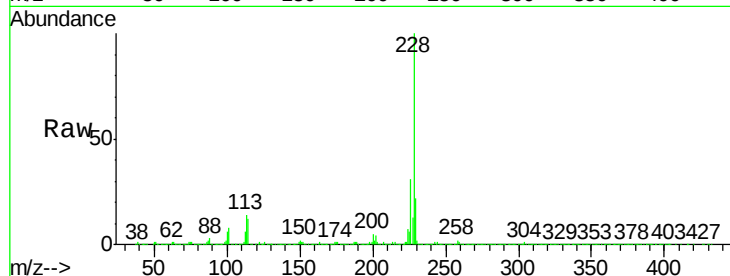
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 4124523

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.4	35.2
229	22.3	15.7	23.5

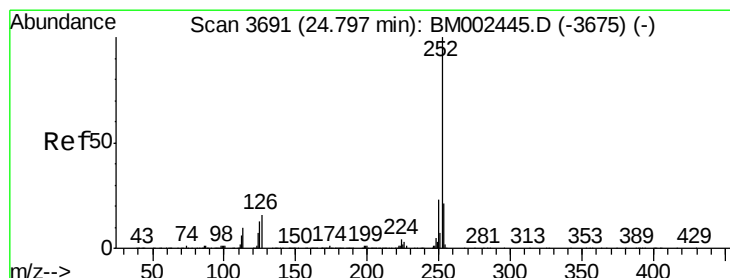
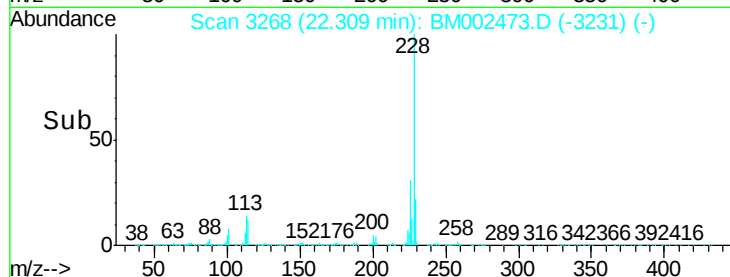
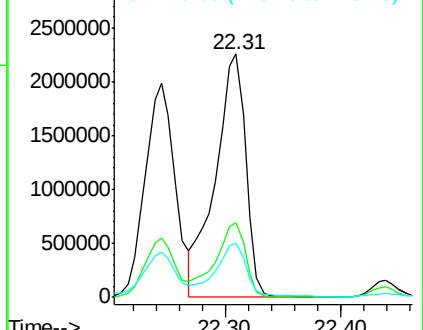


Abundance

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



#26

Benzo(a)pyrene

Concen: 187.07 ng/ul

RT: 24.74 min Scan# 3681

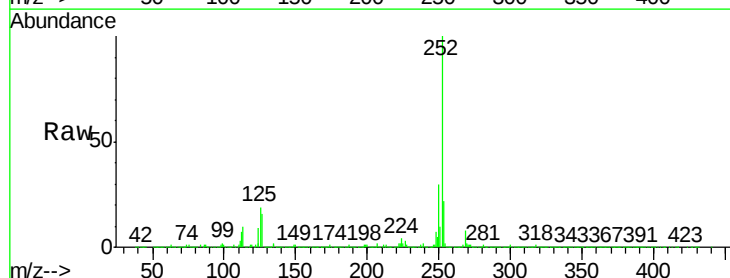
Delta R.T. -0.08 min

Lab File: BM002473.D

Acq: 18 Aug 2015 04:31

Tgt Ion:252 Resp: 4728327

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	18.9	10.7	16.1

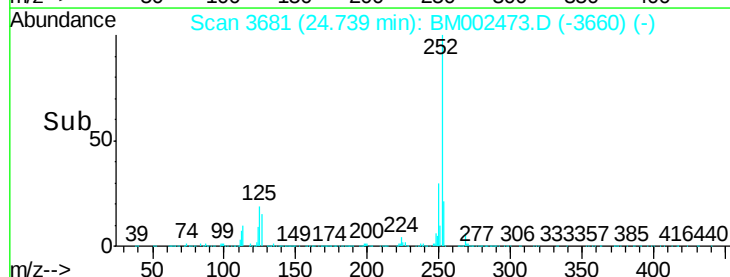
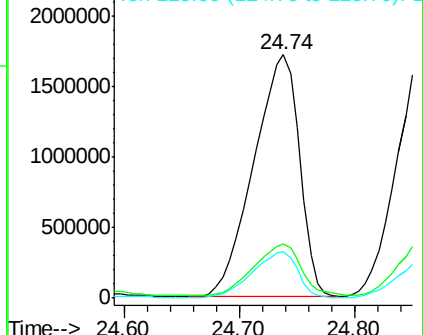


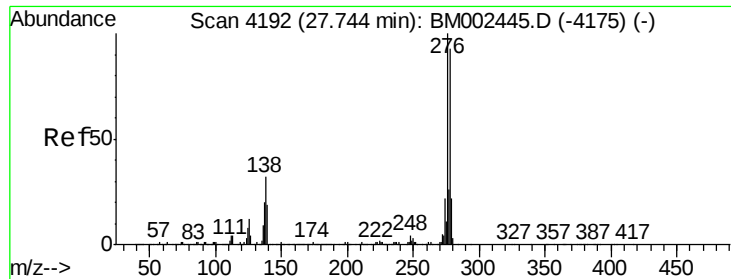
Abundance

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

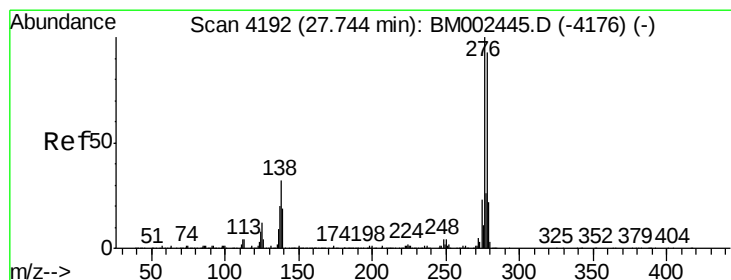
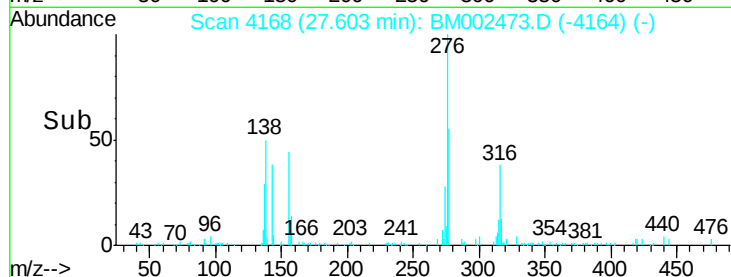
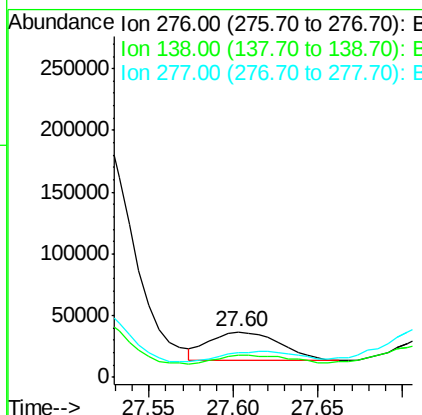
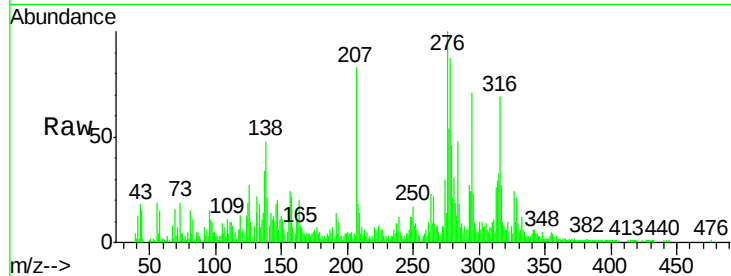




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 2.35 ng/ul
 RT: 27.60 min Scan# 4168
 Delta R.T. -0.18 min
 Lab File: BM002473.D
 Acq: 18 Aug 2015 04:31

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:276 Resp: 68279
 Ion Ratio Lower Upper
 276 100
 138 48.1 25.3 37.9#
 277 53.8 20.2 30.2#



#28
 Dibenzo(a,h)anthracene
 Concen: 4.47 ng/ul
 RT: 27.57 min Scan# 4162
 Delta R.T. -0.21 min
 Lab File: BM002473.D
 Acq: 18 Aug 2015 04:31

Tgt Ion:278 Resp: 108641
 Ion Ratio Lower Upper
 278 100
 139 18.5 16.5 24.7
 279 42.8 18.8 28.2#

