

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002455.D
 Acq On : 17 Aug 2015 17:25
 Operator : UM/IZ
 Sample : G3227-06MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 18 02:02:12 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 01:54:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	151345	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	684123	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	354433	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	707591	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	492416	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	442706	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	685147	18.91	ng/ul	0.00
10) Fluorene-d10	16.43	176	458642	18.02	ng/ul	0.00
14) Anthracene-d10	18.26	188	647187	18.96	ng/ul	0.00
18) Pyrene-d10	20.48	212	554710	25.41	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	403281	17.34	ng/ul	0.00

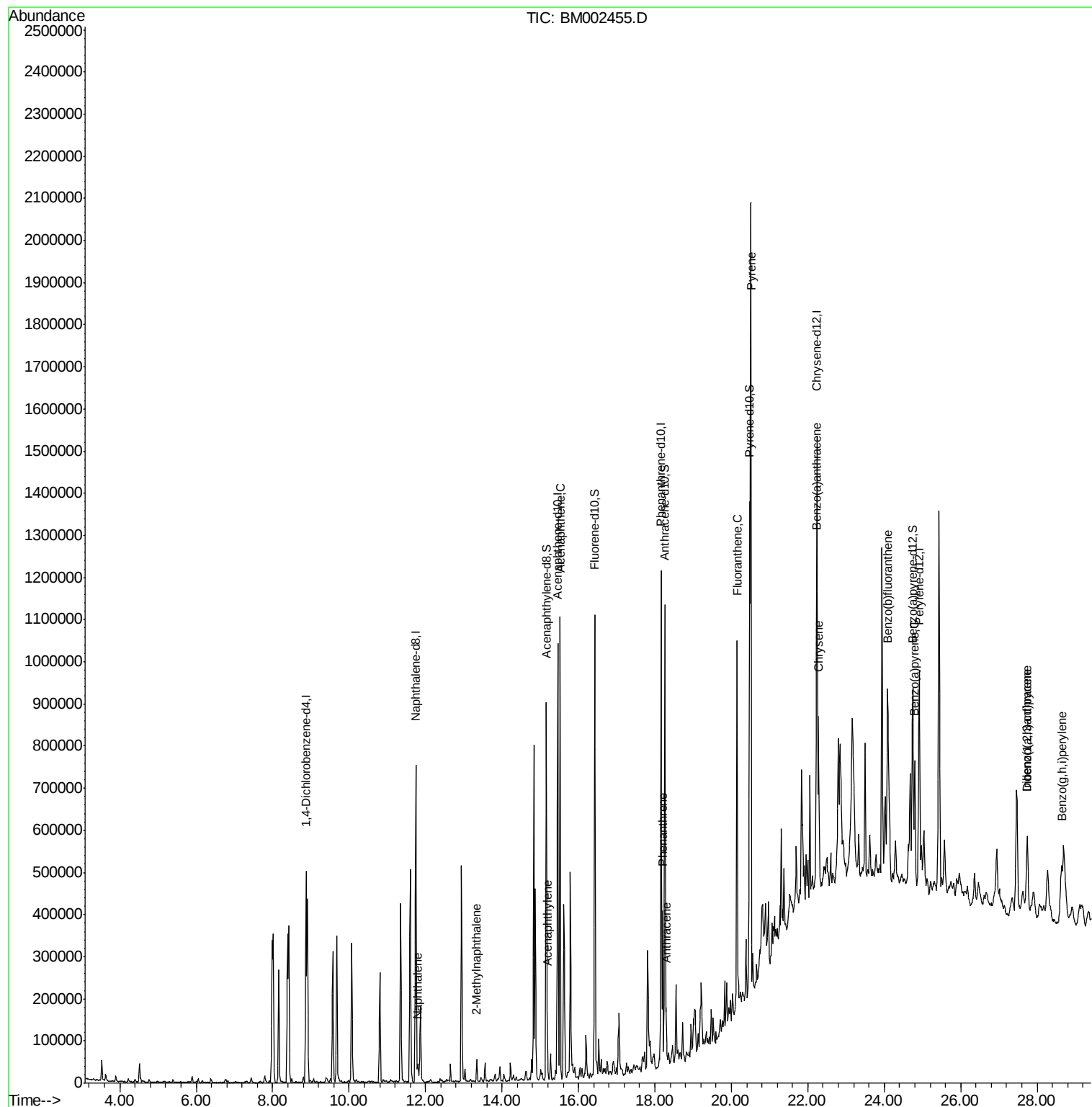
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.80	128	39379	1.13	ng/ul	99
4) 2-Methylnaphthalene	13.34	142	26802	1.02	ng/ul	98
8) Acenaphthylene	15.19	152	48946	1.29	ng/ul	96
9) Acenaphthene	15.52	153	466552	18.67	ng/ul	99
13) Phenanthrene	18.20	178	217470	5.32	ng/ul	100
15) Anthracene	18.29	178	76238	1.84	ng/ul	99
16) Fluoranthene	20.15	202	529007	11.44	ng/ul	99
19) Pyrene	20.51	202	1158904	40.17	ng/ul	99
20) Benzo(a)anthracene	22.22	228	253177	8.60	ng/ul	98
21) Chrysene	22.28	228	270899	9.84	ng/ul	97
23) Benzo(b)fluoranthene	24.09	252	426932	15.95	ng/ul	97
26) Benzo(a)pyrene	24.80	252	239084	9.35	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.74	276	185701	6.32	ng/ul	94
28) Dibenzo(a,h)anthracene	27.74	278	52550	2.14	ng/ul#	80
29) Benzo(g,h,i)perylene	28.63	276	174408	7.13	ng/ul	98

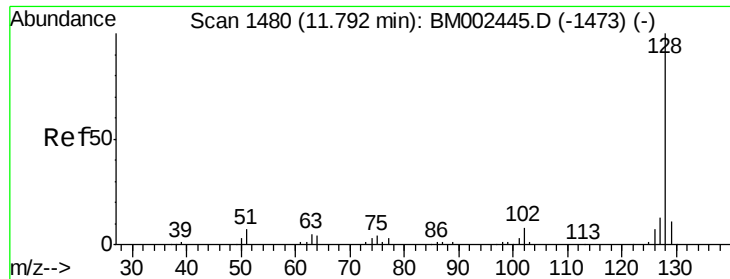
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.13 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002455.D

Acq: 17 Aug 2015 17:25

Instrument :

BNA_M

ClientSampleId :

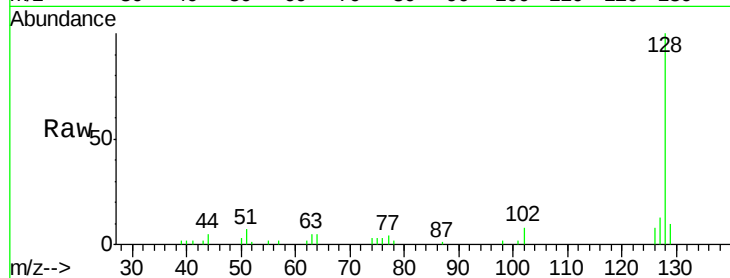
Tot Ion:128 Resp: 39379

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

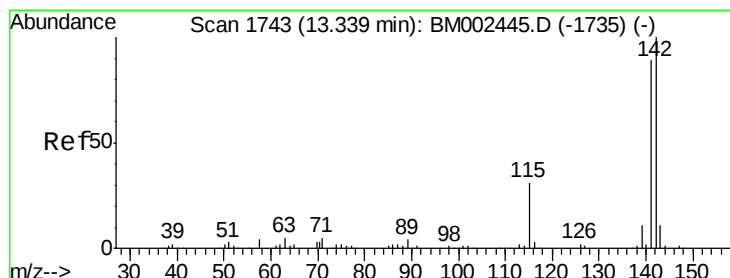
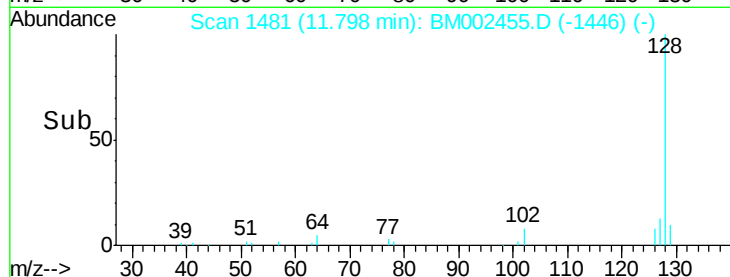
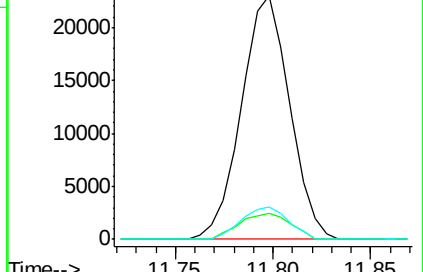
127 13.5 10.4 15.6



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: 1.02 ng/ul

RT: 13.34 min Scan# 1743

Delta R.T. 0.00 min

Lab File: BM002455.D

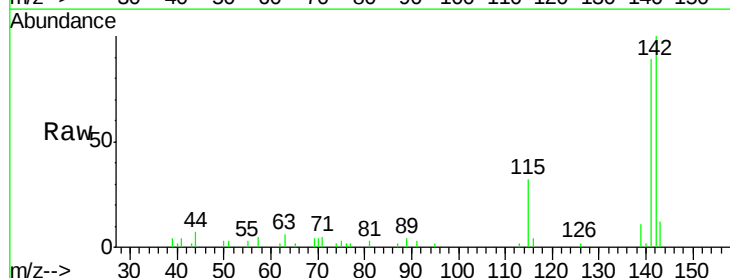
Acq: 17 Aug 2015 17:25

Tgt Ion:142 Resp: 26802

Ion Ratio Lower Upper

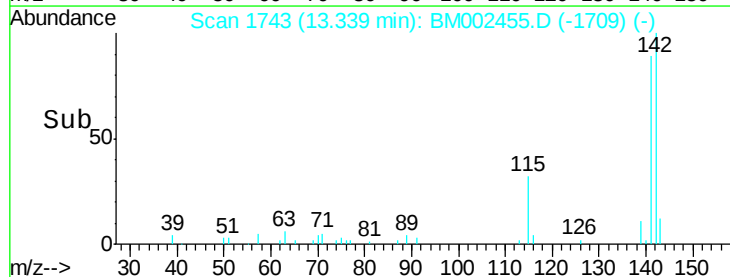
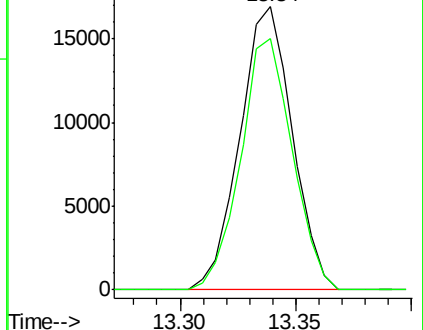
142 100

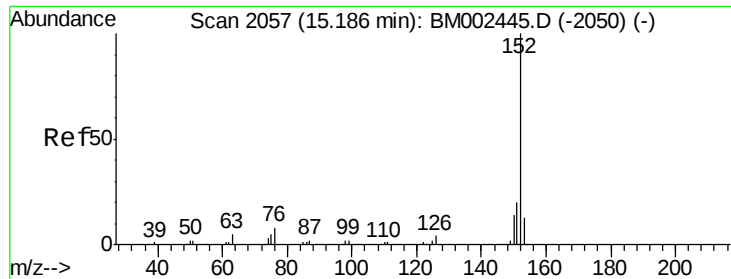
141 88.8 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.29 ng/ul

RT: 15.19 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BM002455.D

Acq: 17 Aug 2015 17:25

Instrument :

BNA_M

ClientSampleId :

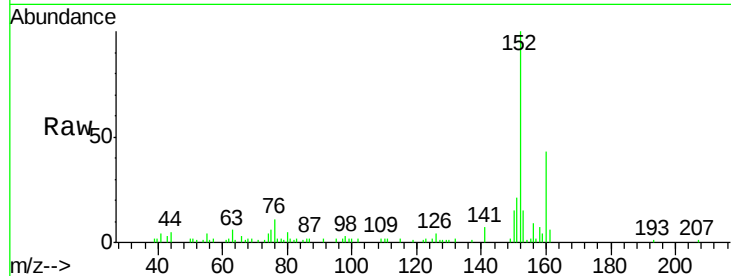
Tot Ion:152 Resp: 48946

Ion Ratio Lower Upper

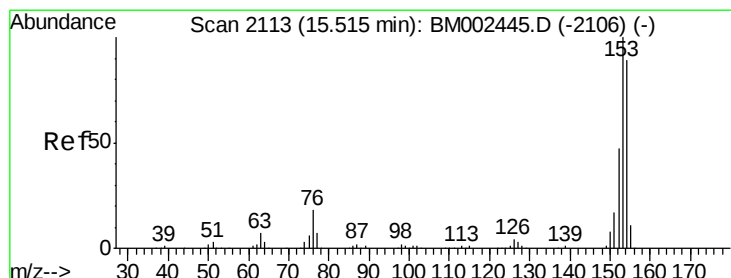
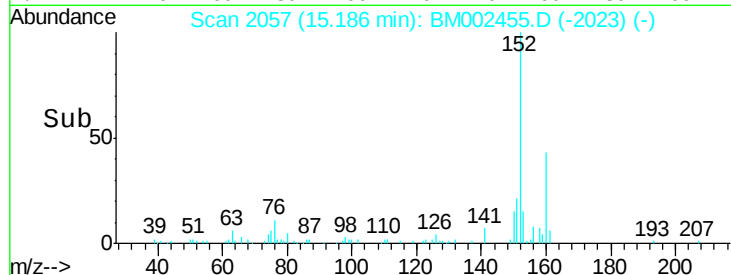
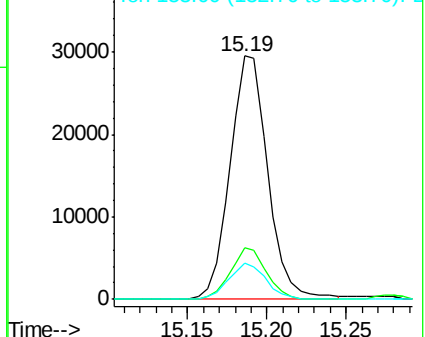
152 100

151 21.2 15.7 23.5

153 14.7 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



#9

Acenaphthene

Concen: 18.67 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BM002455.D

Acq: 17 Aug 2015 17:25

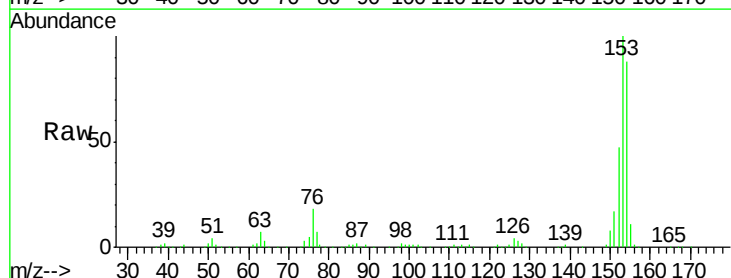
Tgt Ion:153 Resp: 466552

Ion Ratio Lower Upper

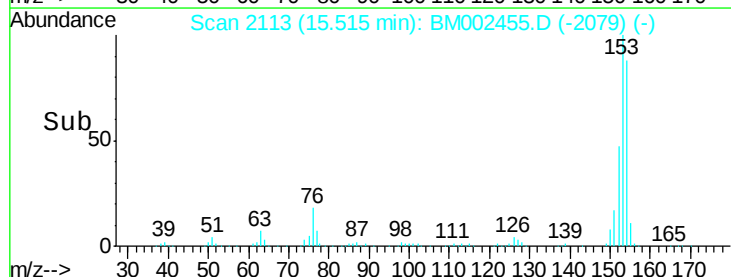
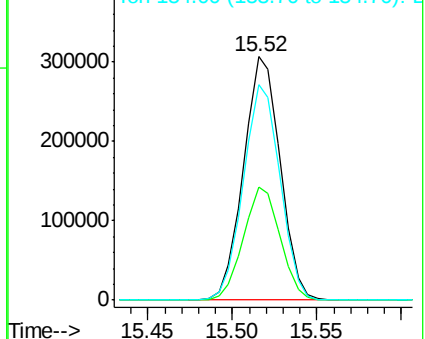
153 100

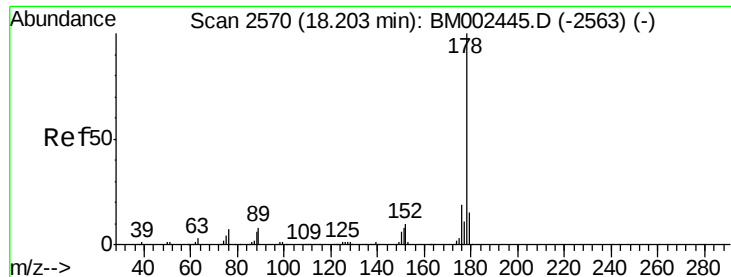
152 46.6 36.9 55.3

154 88.4 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





#13

Phenanthrene

Concen: 5.32 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.00 min

Lab File: BM002455.D

Acq: 17 Aug 2015 17:25

Instrument :

BNA_M

ClientSampleId :

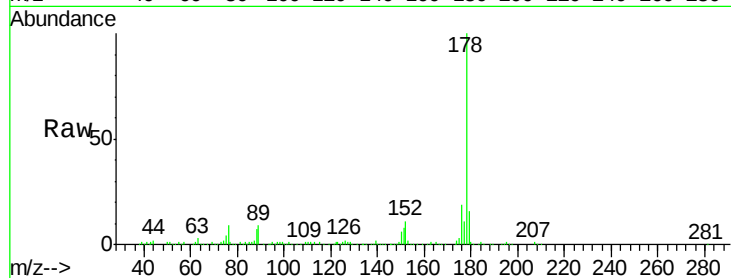
Tot Ion:178 Resp: 217470

Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

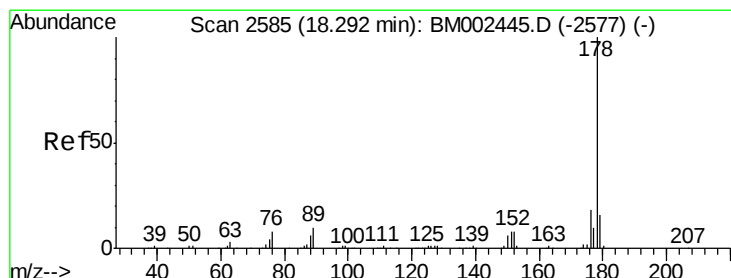
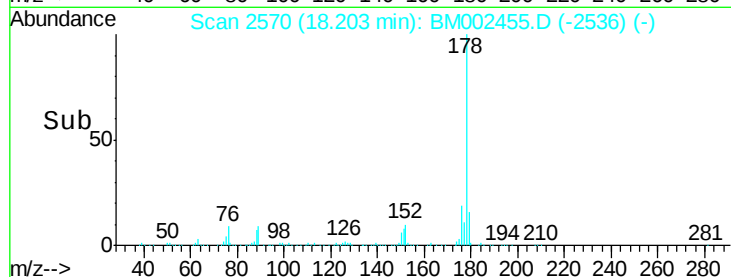
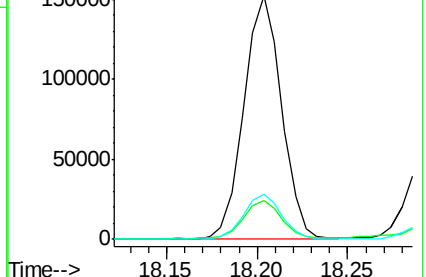
176 18.7 15.1 22.7



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: 1.84 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.00 min

Lab File: BM002455.D

Acq: 17 Aug 2015 17:25

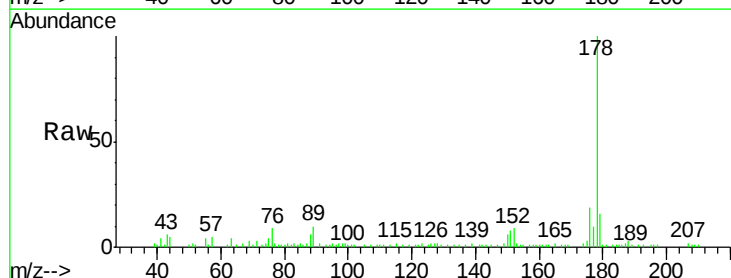
Tgt Ion:178 Resp: 76238

Ion Ratio Lower Upper

178 100

179 16.3 12.6 18.8

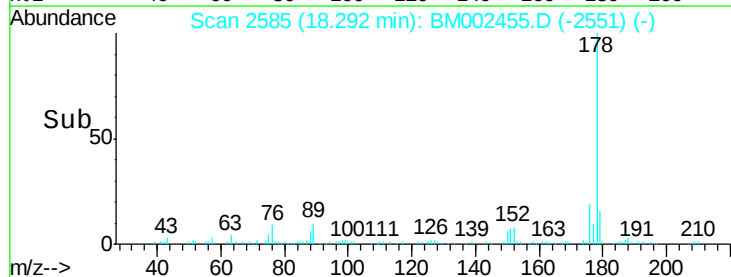
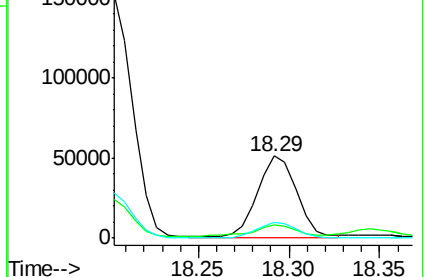
176 18.8 14.5 21.7

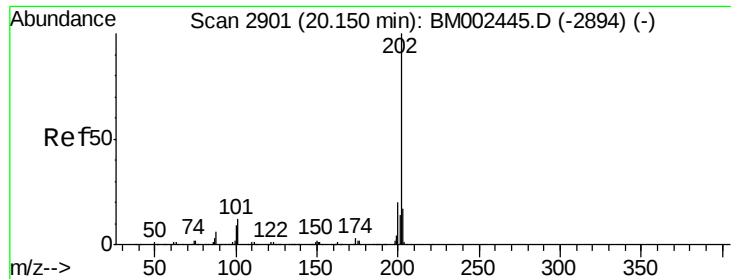


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

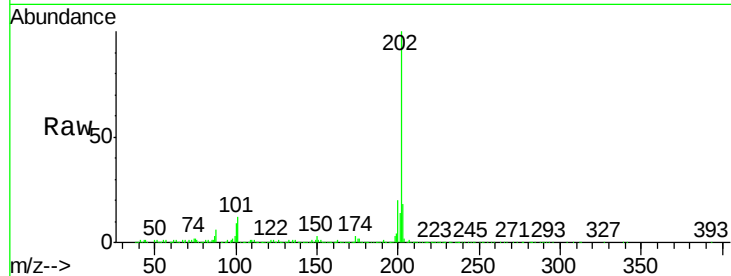




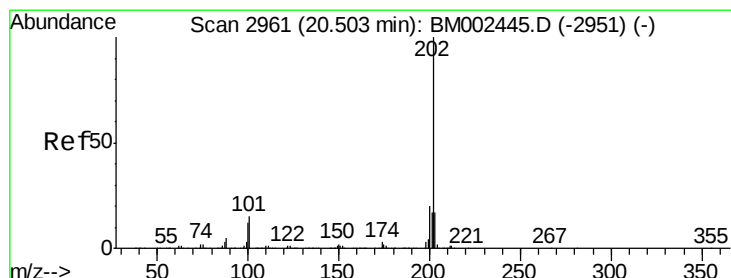
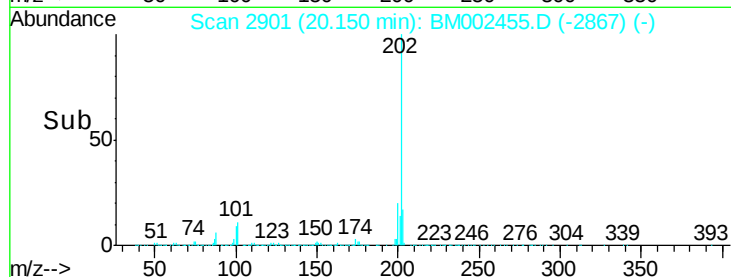
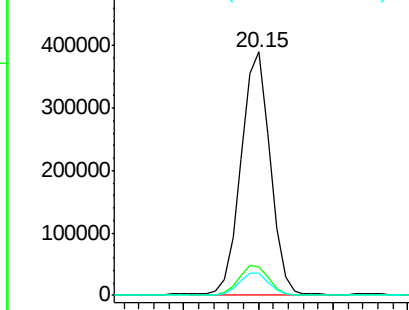
#16
Fluoranthene
Concen: 11.44 ng/ul
RT: 20.15 min Scan# 2901
Delta R.T. 0.00 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.7	14.5
100	8.9	7.4	11.2

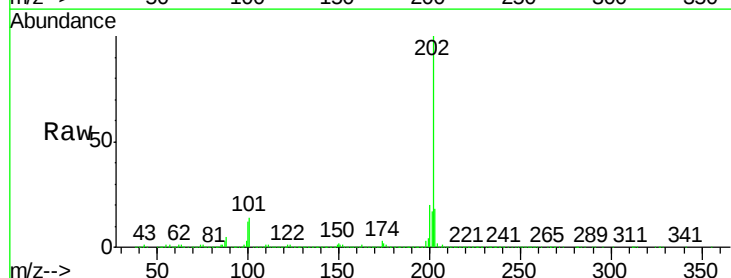


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

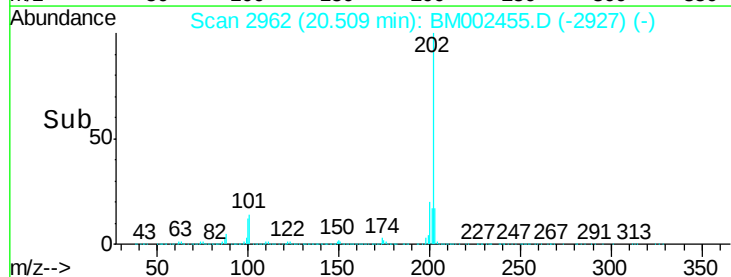
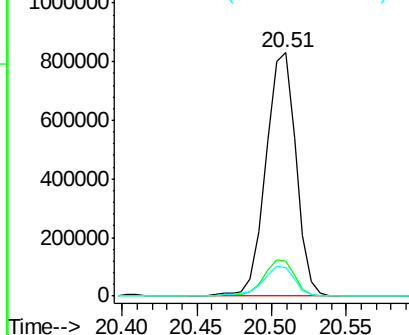


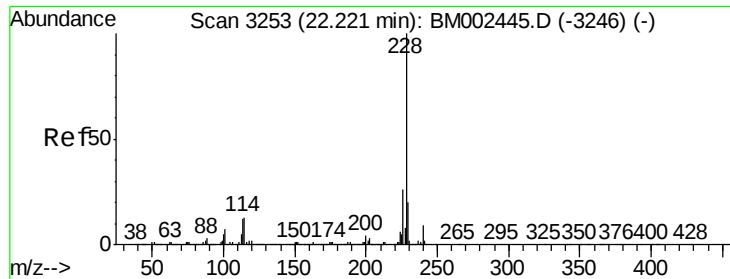
#19
Pyrene
Concen: 40.17 ng/ul
RT: 20.51 min Scan# 2962
Delta R.T. 0.01 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	12.0	18.0
100	11.5	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: 8.60 ng/ul

RT: 22.22 min Scan# 3253

Delta R.T. 0.00 min

Lab File: BM002455.D

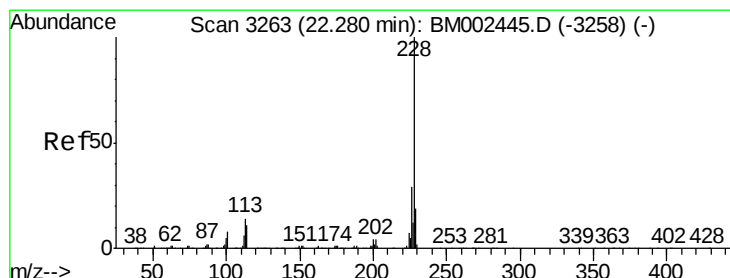
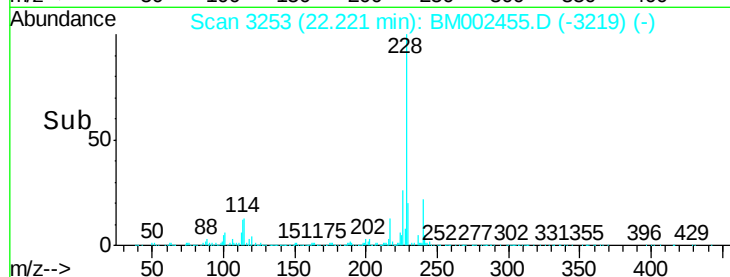
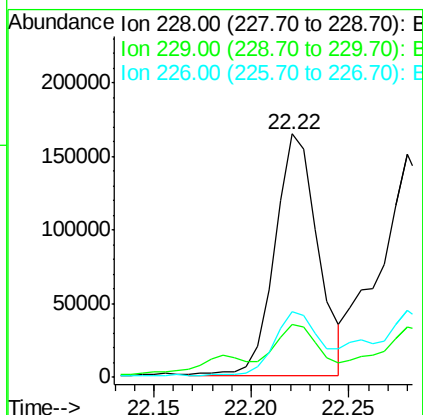
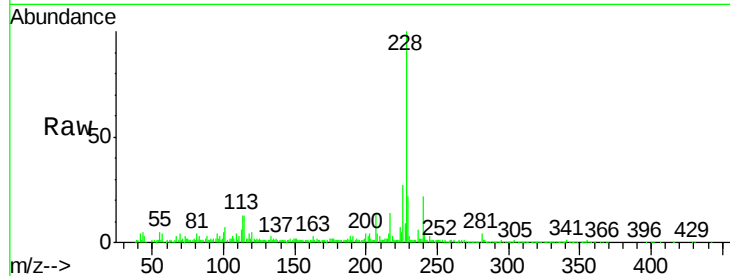
Acq: 17 Aug 2015 17:25

Instrument :

BNA_M

ClientSampleId :

Tot Ion:228	Resp:	253177
Ion Ratio	Lower	Upper
228	100	
229	21.5	15.8 23.6
226	26.9	21.1 31.7



#21

Chrysene

Concen: 9.84 ng/ul

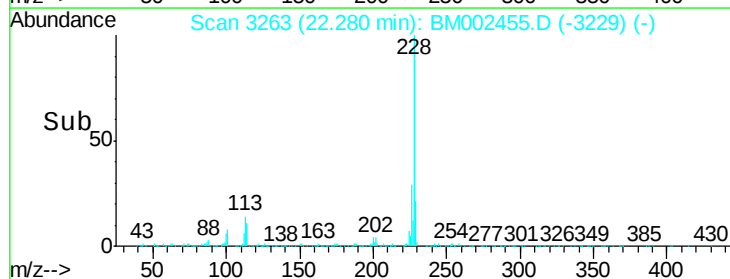
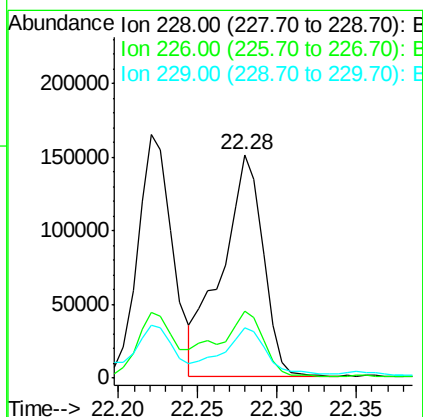
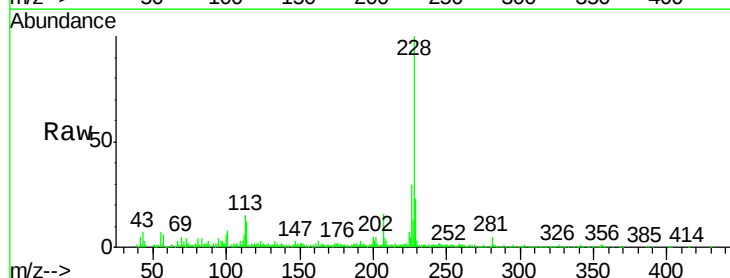
RT: 22.28 min Scan# 3263

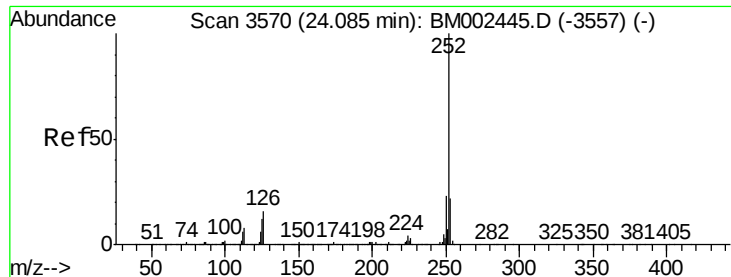
Delta R.T. 0.00 min

Lab File: BM002455.D

Acq: 17 Aug 2015 17:25

Tgt Ion:228	Resp:	270899
Ion Ratio	Lower	Upper
228	100	
226	29.9	23.4 35.2
229	22.8	15.7 23.5

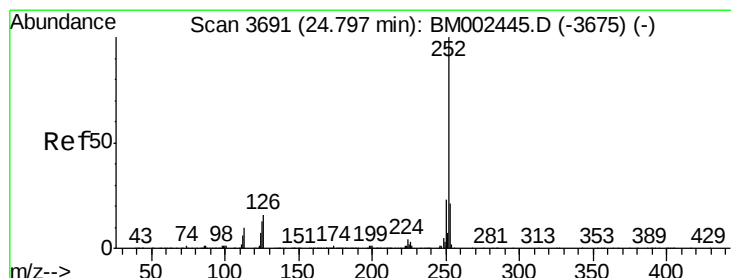
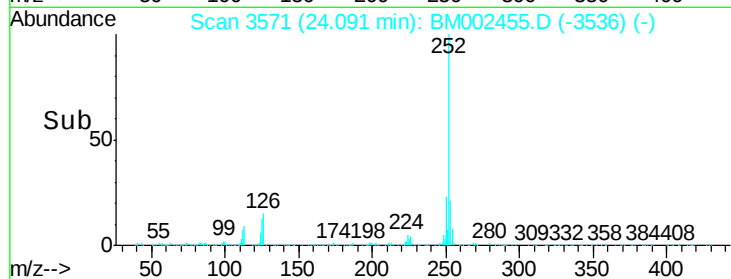
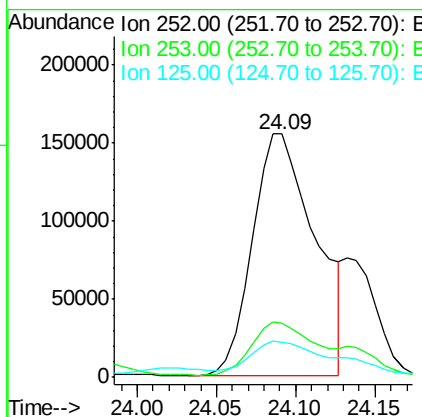
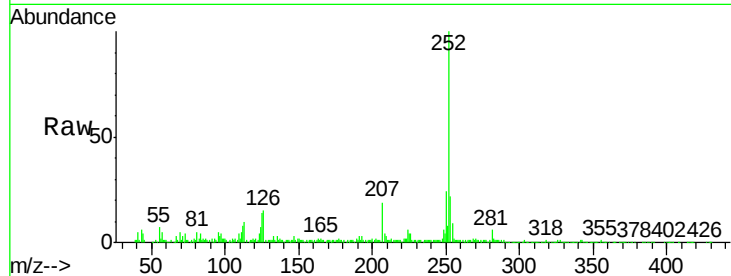




#23
Benzo(b)fluoranthene
Concen: 15.95 ng/ul
RT: 24.09 min Scan# 3571
Delta R.T. 0.01 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

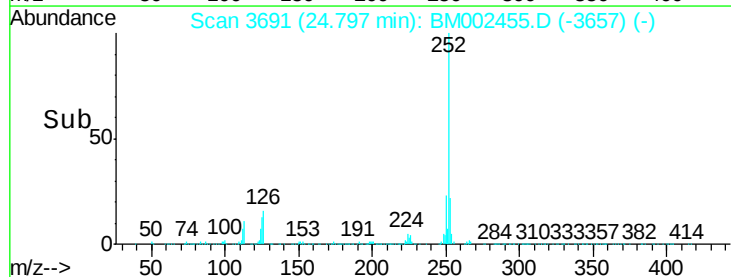
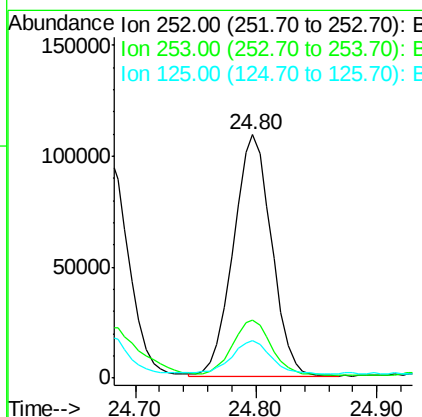
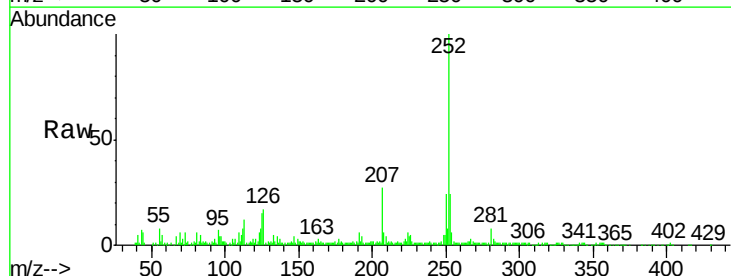
Instrument :
BNA_M
ClientSampleId :

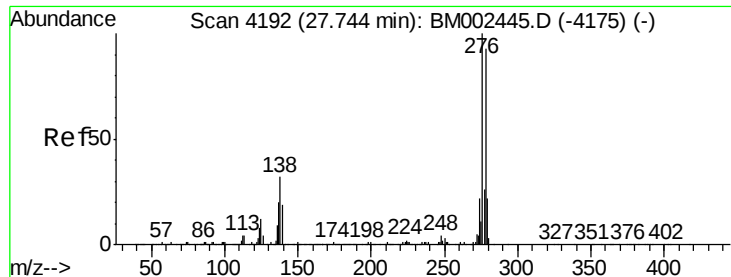
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	14.4	10.0	15.0



#26
Benzo(a)pyrene
Concen: 9.35 ng/ul
RT: 24.80 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BM002455.D
Acq: 17 Aug 2015 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	15.2	10.7	16.1

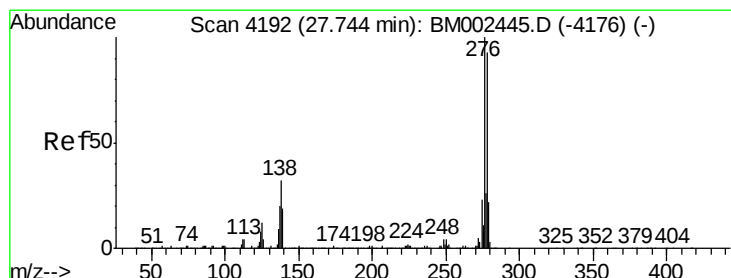
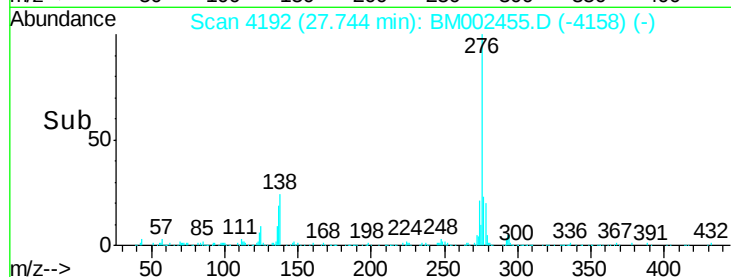
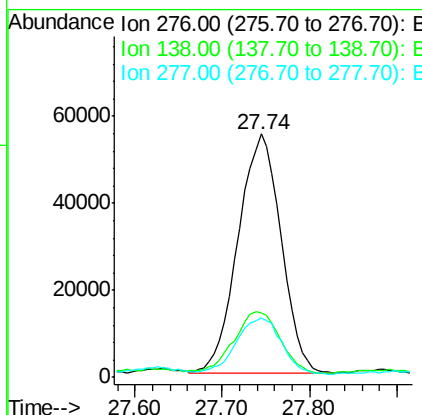
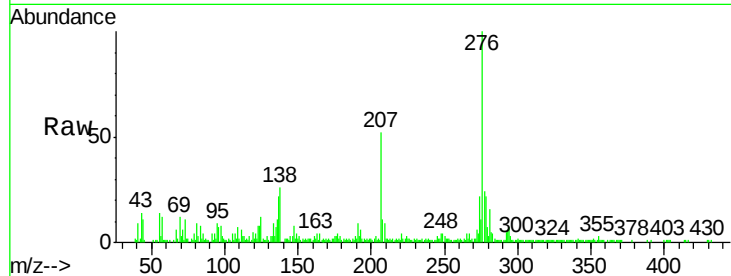




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 6.32 ng/ul
 RT: 27.74 min Scan# 4192
 Delta R.T. 0.00 min
 Lab File: BM002455.D
 Acq: 17 Aug 2015 17:25

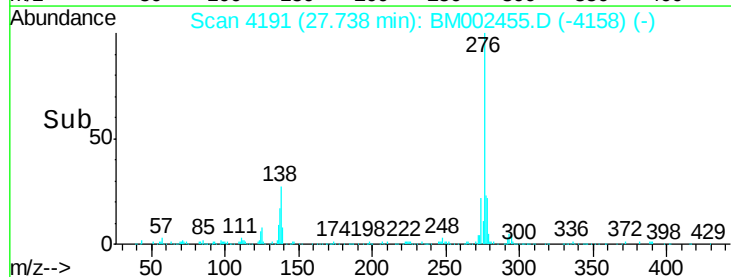
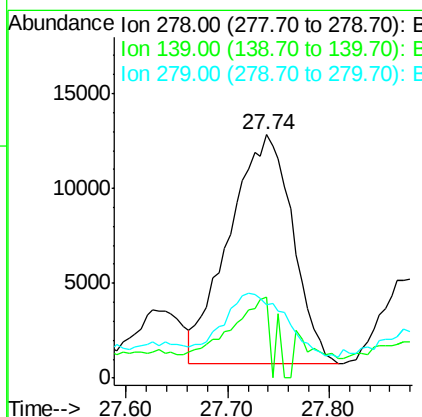
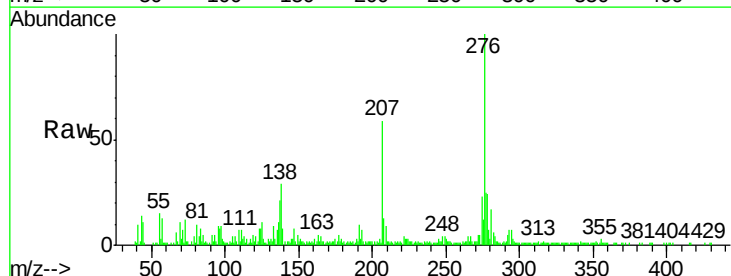
Instrument :
 BNA_M
 ClientSampleId :

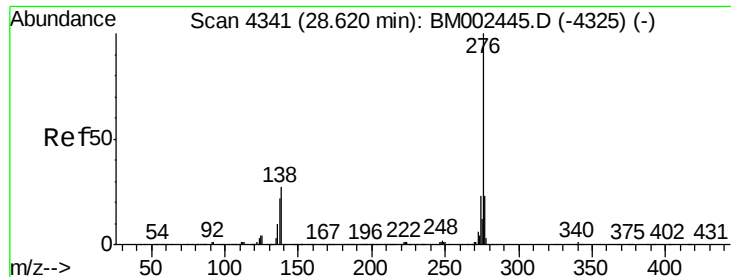
Tot Ion:276 Resp: 185701
 Ion Ratio Lower Upper
 276 100
 138 26.4 25.3 37.9
 277 24.5 20.2 30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 2.14 ng/ul
 RT: 27.74 min Scan# 4191
 Delta R.T. -0.01 min
 Lab File: BM002455.D
 Acq: 17 Aug 2015 17:25

Tgt Ion:278 Resp: 52550
 Ion Ratio Lower Upper
 278 100
 139 33.3 16.5 24.7#
 279 30.3 18.8 28.2#





#29

Benzo(a,h,i)perylene

Concen: 7.13 ng/ul

RT: 28.63 min Scan# 4343

Delta R.T. 0.01 min

Lab File: BM002455.D

Acq: 17 Aug 2015 17:25

Instrument :

BNA_M

ClientSampleId :

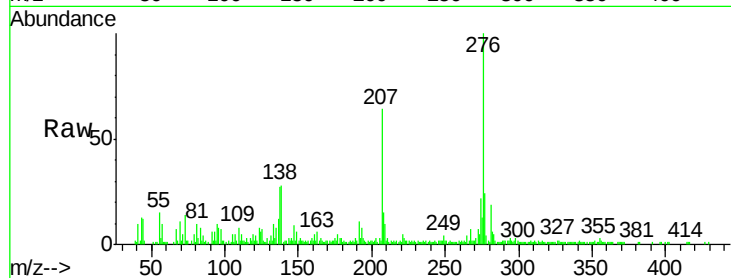
Tot Ion:276 Resp: 174408

Ion Ratio Lower Upper

276 100

138 27.8 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

