

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002472.D
 Acq On : 18 Aug 2015 03:55
 Operator : UM/IZ
 Sample : G3227-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 18 06:56:57 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	155881	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	675318	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	319109	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	514906	20.00	ng/ul	0.00
17) Chrysene-d12	22.26	240	365872	20.00	ng/ul	0.01
22) Perylene-d12	24.96	264	436950	20.00	ng/ul	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.17	160	1039585	31.86	ng/ul	0.00
10) Fluorene-d10	16.43	176	642750	28.05	ng/ul	0.00
14) Anthracene-d10	18.27	188	776681	31.27	ng/ul	0.00
18) Pyrene-d10	20.49	212	606397	37.39	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.79	264	628122	27.37	ng/ul	0.04

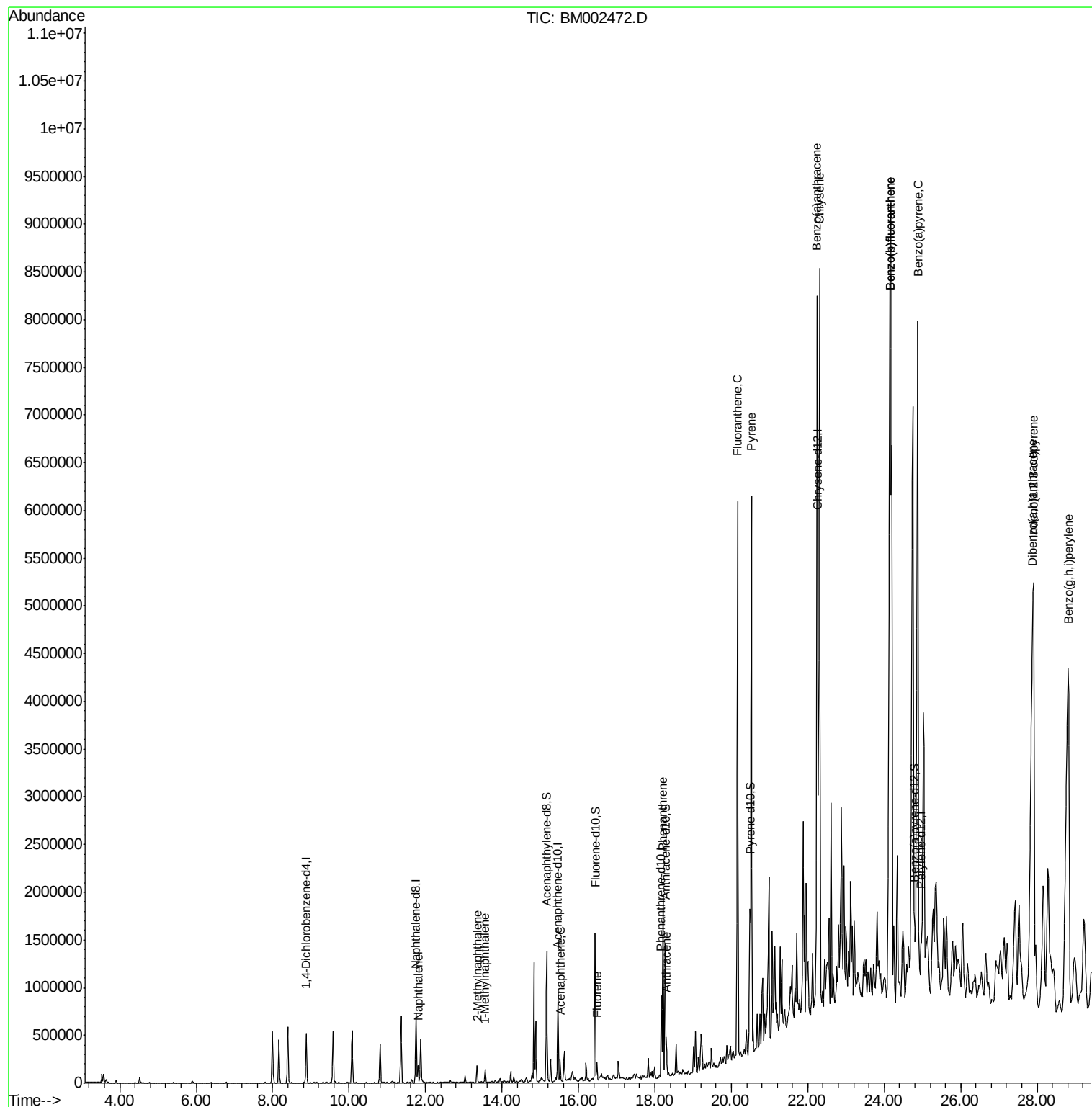
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.80	128	166885	4.84	ng/ul	99
4) 2-Methylnaphthalene	13.35	142	85635	3.32	ng/ul	100
5) 1-Methylnaphthalene	13.56	142	69157	2.71	ng/ul	100
9) Acenaphthene	15.52	153	91121	4.05	ng/ul	99
11) Fluorene	16.49	166	81920	3.18	ng/ul	98
13) Phenanthrene	18.22	178	1246903	41.94	ng/ul	99
15) Anthracene	18.30	178	255507	8.48	ng/ul	100
16) Fluoranthene	20.16	202	3668055	108.97	ng/ul	97
19) Pyrene	20.52	202	3684927	171.92	ng/ul	98
20) Benzo(a)anthracene	22.24	228	4375695	199.99	ng/ul	97
21) Chrysene	22.31	228	5243310	256.22	ng/ul	95
23) Benzo(b)fluoranthene	24.16	252	11646201	440.88	ng/ul#	95
24) Benzo(k)fluoranthene	24.16	252	2467612	98.57	ng/ul#	95
26) Benzo(a)pyrene	24.88	252	7262831	287.85	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.91	276	7588850	261.53	ng/ul	95
28) Dibenzo(a,h)anthracene	27.87	278	2634212	108.61	ng/ul	94
29) Benzo(g,h,i)perylene	28.81	276	6887115	285.14	ng/ul	97

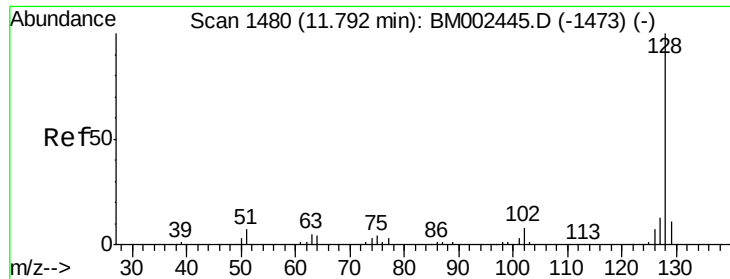
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 4.84 ng/ul

RT: 11.80 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

Instrument :

BNA_M

ClientSampleId :

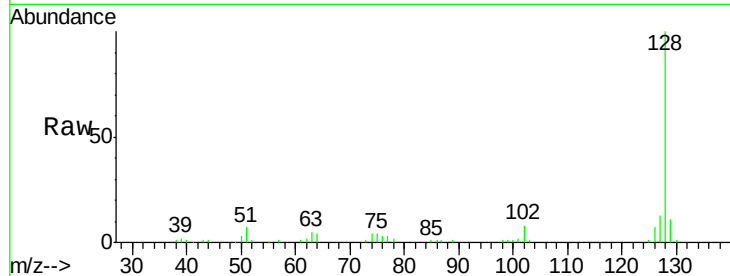
Tot Ion:128 Resp: 166885

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

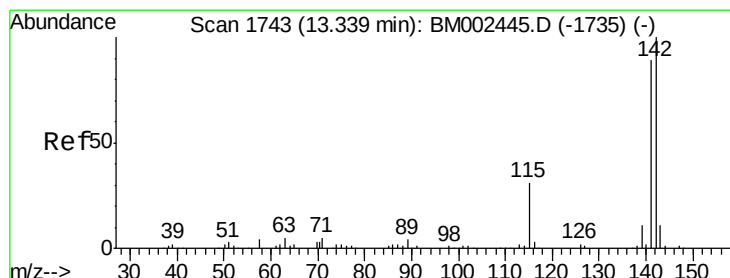
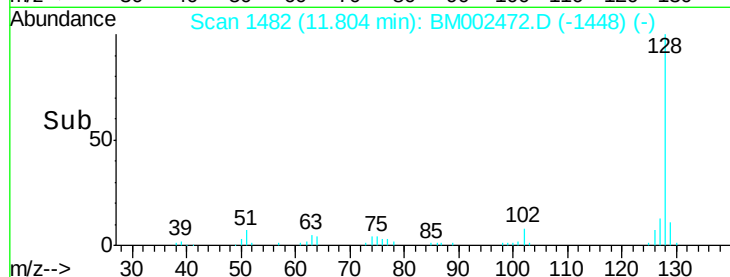
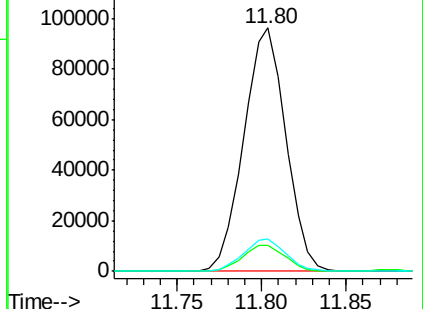
127 13.4 10.4 15.6



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: 3.32 ng/ul

RT: 13.35 min Scan# 1744

Delta R.T. -0.00 min

Lab File: BM002472.D

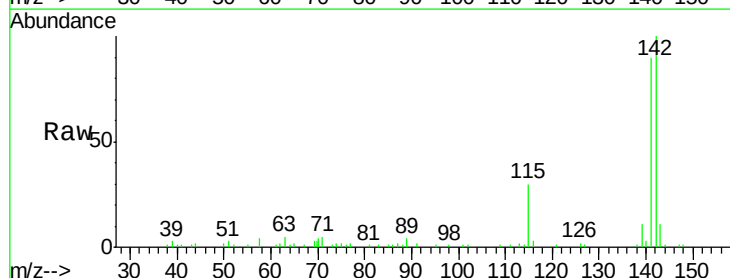
Acq: 18 Aug 2015 03:55

Tgt Ion:142 Resp: 85635

Ion Ratio Lower Upper

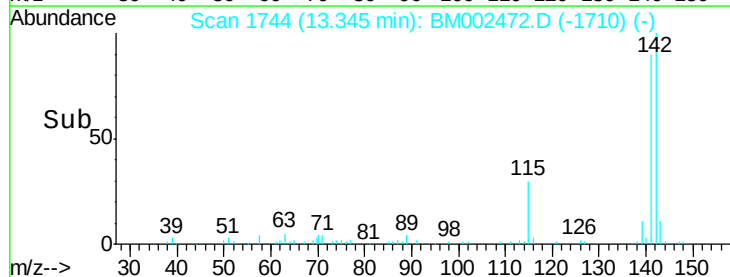
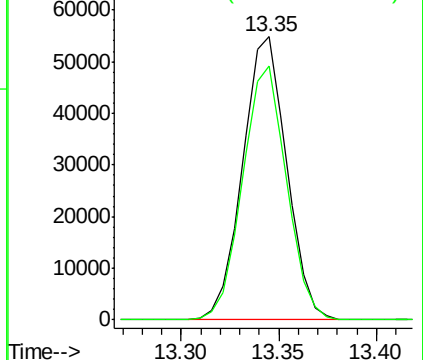
142 100

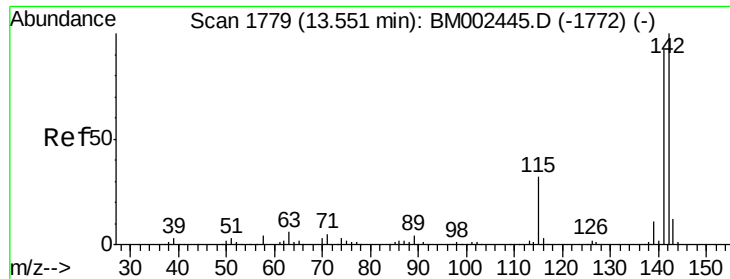
141 89.9 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 2.71 ng/ul

RT: 13.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

Instrument :

BNA_M

ClientSampled :

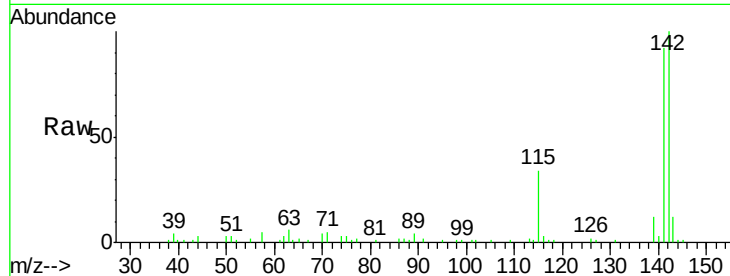
Tot Ion:142 Resp: 69157

Ion Ratio Lower Upper

142 100

141 92.2 73.9 110.9

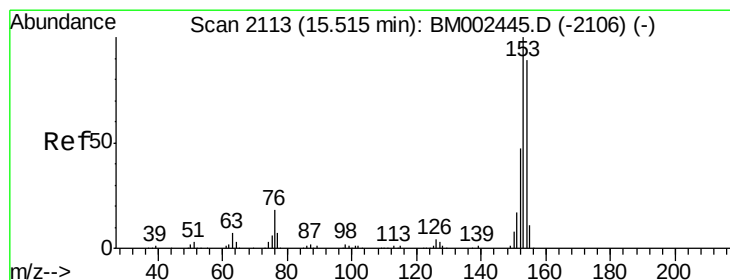
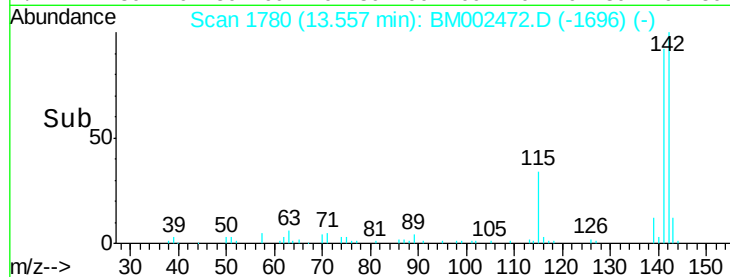
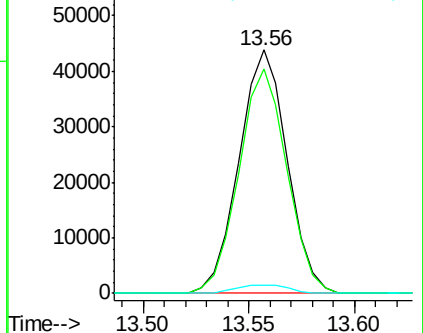
116 3.5 3.0 4.4



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: 4.05 ng/ul

RT: 15.52 min Scan# 2114

Delta R.T. -0.01 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

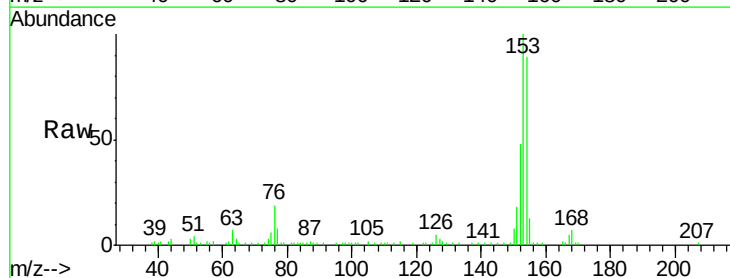
Tgt Ion:153 Resp: 91121

Ion Ratio Lower Upper

153 100

152 47.8 36.9 55.3

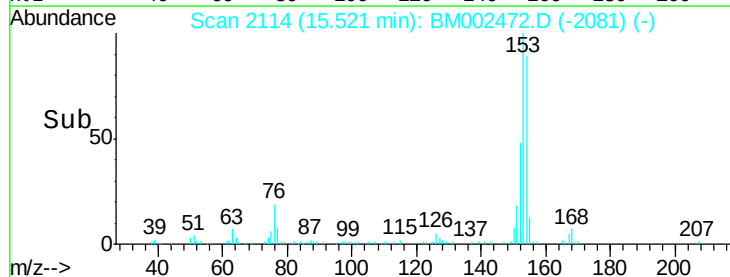
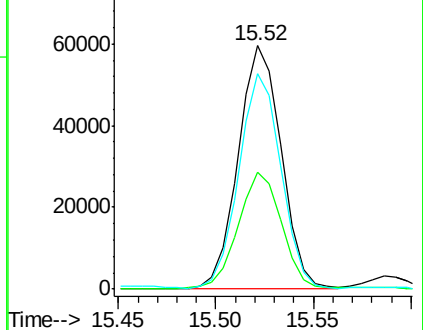
154 88.5 71.3 106.9

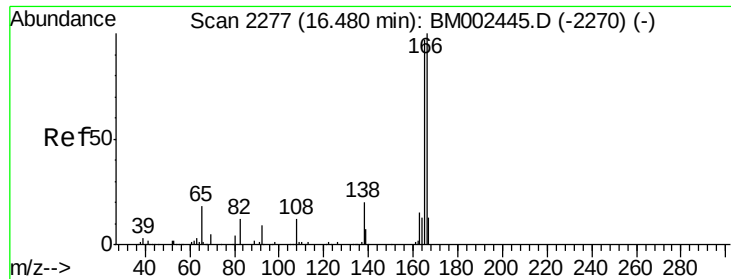


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

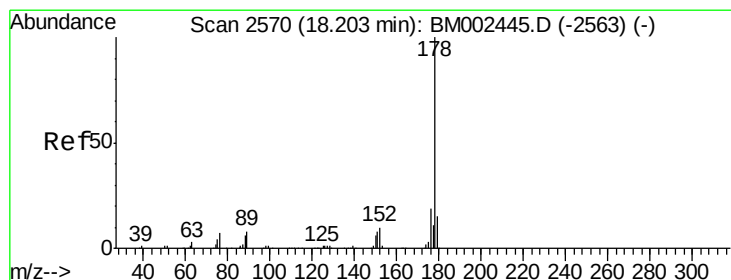
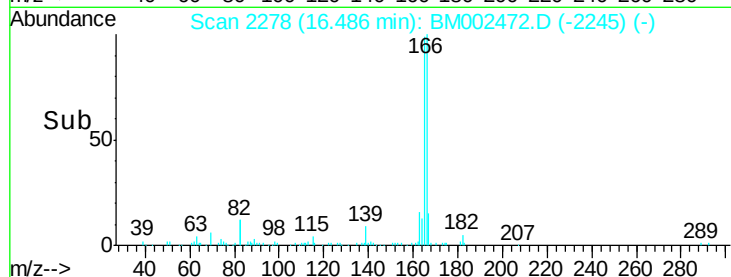
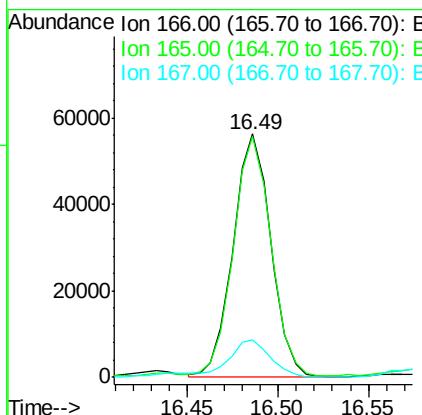
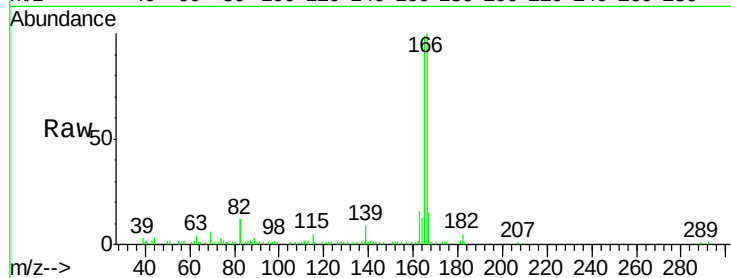




#11
 Fluorene
 Concen: 3.18 ng/ul
 RT: 16.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

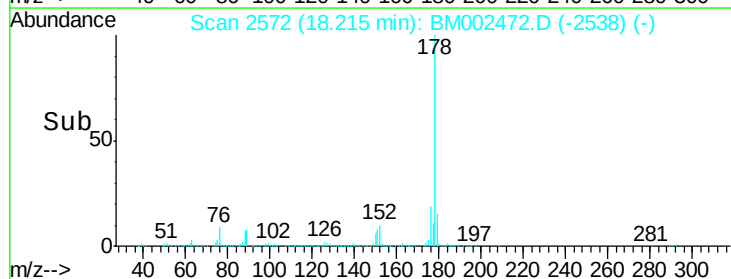
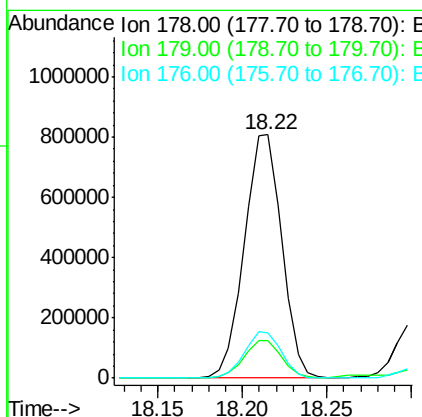
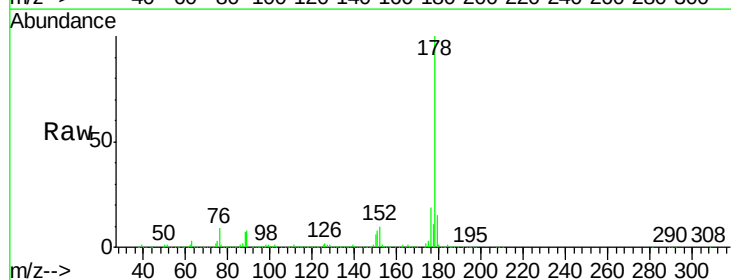
Instrument :
 BNA_M
 ClientSampleId :

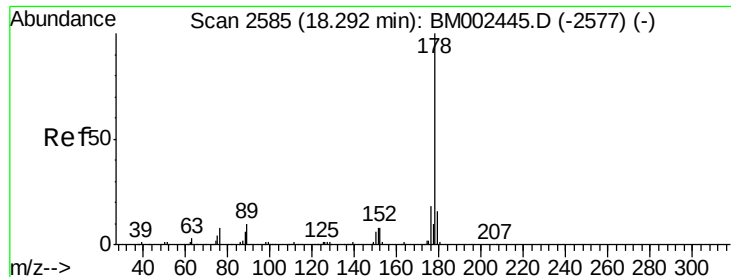
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.6	116.4
167	15.3	10.7	16.1



#13
 Phenanthrene
 Concen: 41.94 ng/ul
 RT: 18.22 min Scan# 2572
 Delta R.T. -0.00 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.4	18.6
176	18.7	15.1	22.7

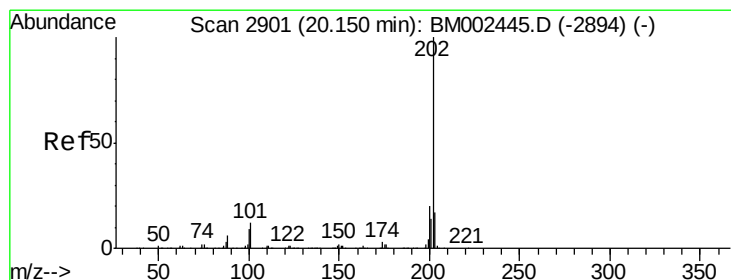
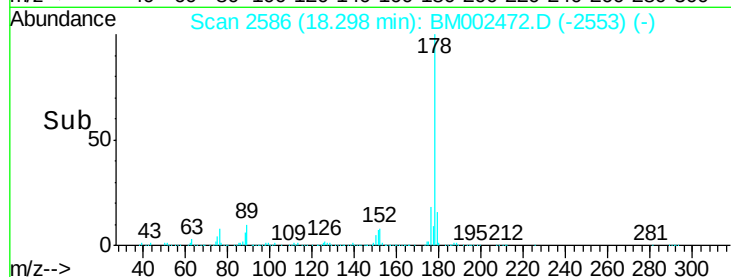
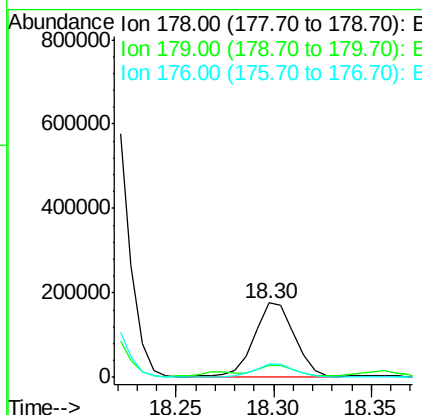
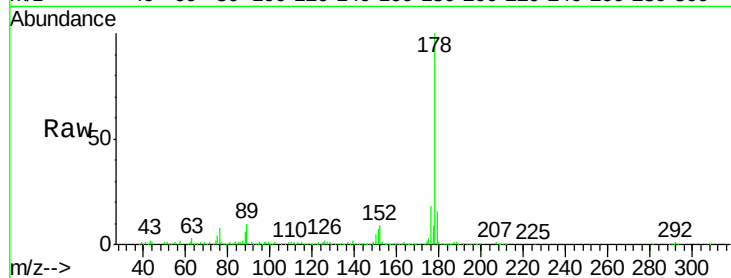




#15
 Anthracene
 Concen: 8.48 ng/ul
 RT: 18.30 min Scan# 2586
 Delta R.T. -0.01 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

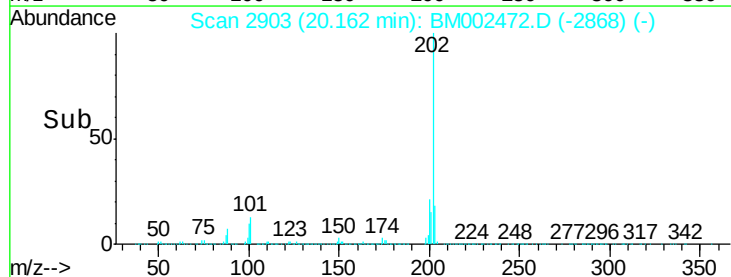
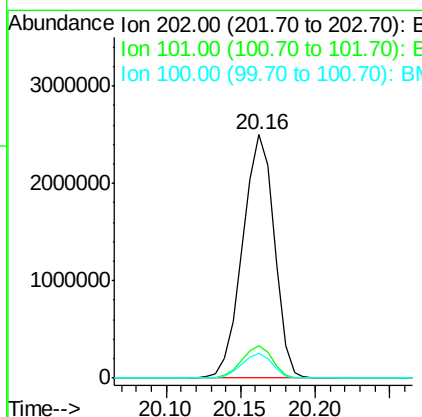
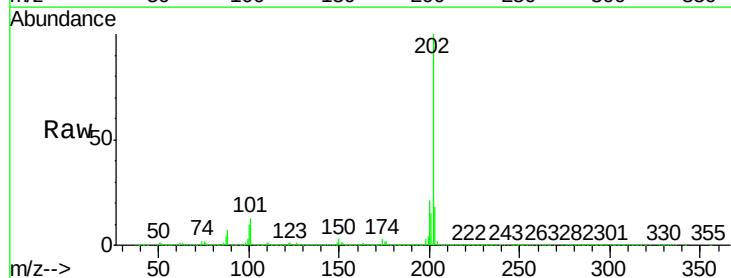
Instrument :
 BNA_M
 ClientSampleId :

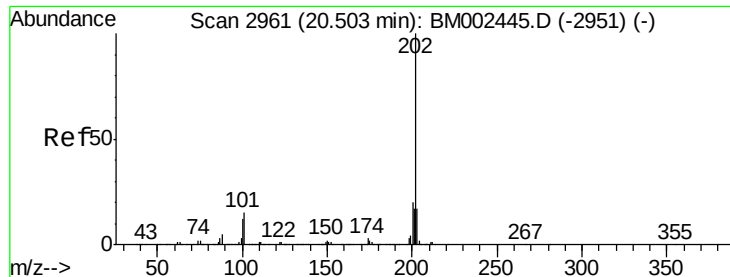
Tot Ion:178 Resp: 255507
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.6 18.8
 176 17.8 14.5 21.7



#16
 Fluoranthene
 Concen: 108.97 ng/ul
 RT: 20.16 min Scan# 2903
 Delta R.T. 0.01 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

Tgt Ion:202 Resp: 3668055
 Ion Ratio Lower Upper
 202 100
 101 13.5 9.7 14.5
 100 10.3 7.4 11.2





#19

Pvrene

Concen: 171.92 ng/ul

RT: 20.52 min Scan# 2964

Delta R.T. 0.01 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

Instrument :

BNA_M

ClientSampleId :

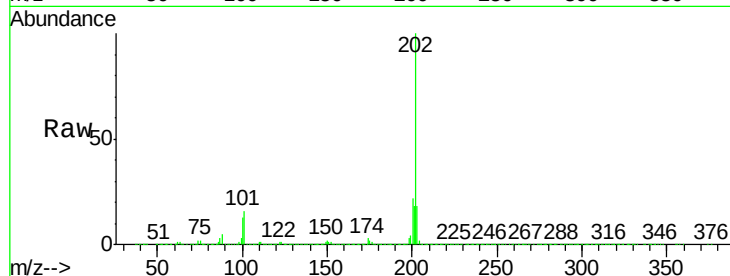
Tot Ion:202 Resp: 3684927

Ion Ratio Lower Upper

202 100

101 15.7 12.0 18.0

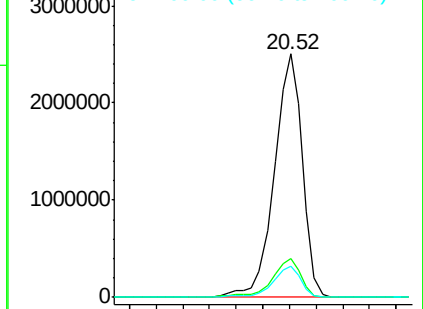
100 12.8 9.7 14.5



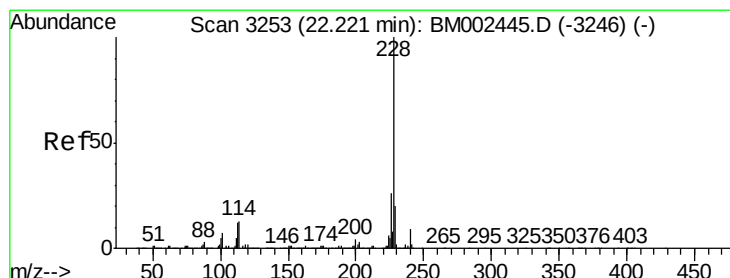
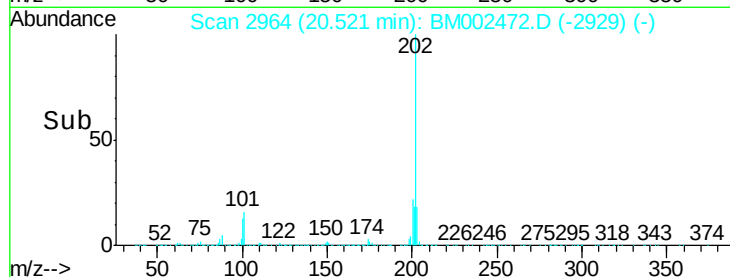
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 20.40 20.50



#20

Benzo(a)anthracene

Concen: 199.99 ng/ul

RT: 22.24 min Scan# 3257

Delta R.T. 0.01 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

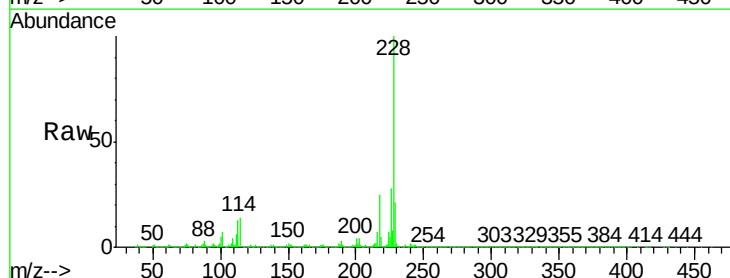
Tgt Ion:228 Resp: 4375695

Ion Ratio Lower Upper

228 100

229 21.3 15.8 23.6

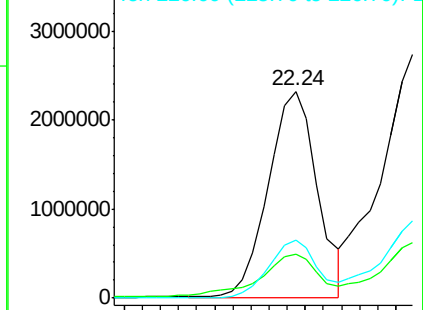
226 28.0 21.1 31.7



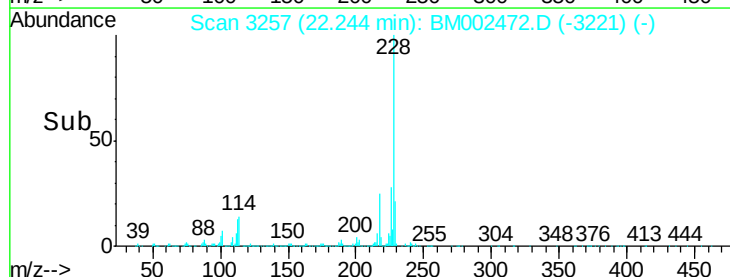
Abundance Ion 228.00 (227.70 to 228.70): E

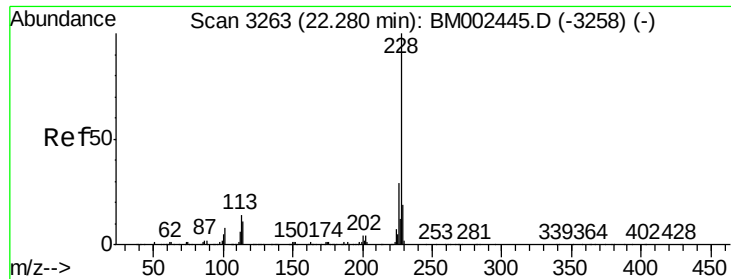
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time--> 22.15 22.20 22.25





#21

Chrysene

Concen: 256.22 ng/ul

RT: 22.31 min Scan# 3268

Delta R.T. 0.02 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

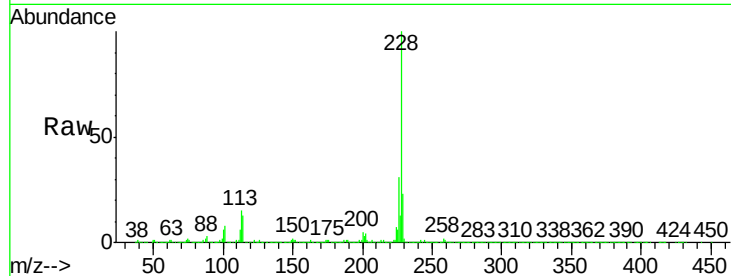
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 5243310

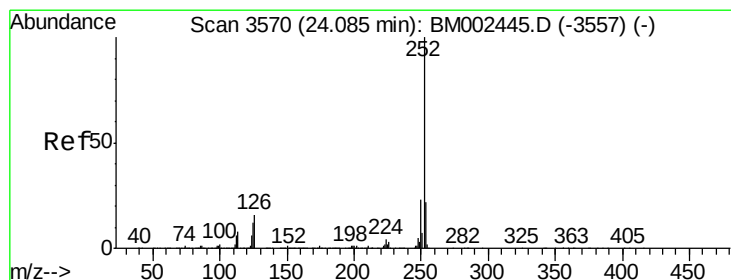
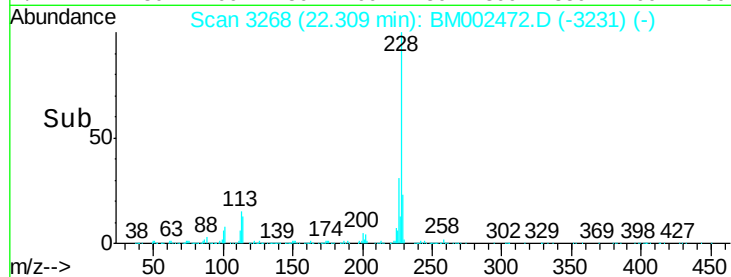
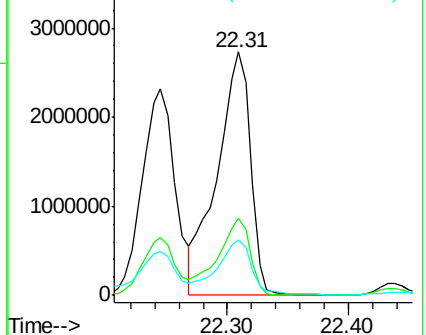
Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.4	35.2
229	22.9	15.7	23.5



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: 440.88 ng/ul

RT: 24.16 min Scan# 3583

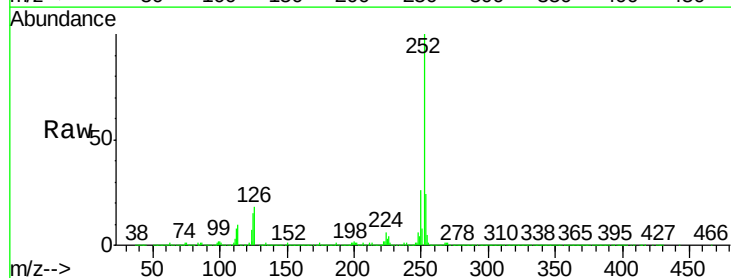
Delta R.T. 0.06 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

Tgt Ion:252 Resp:11646201

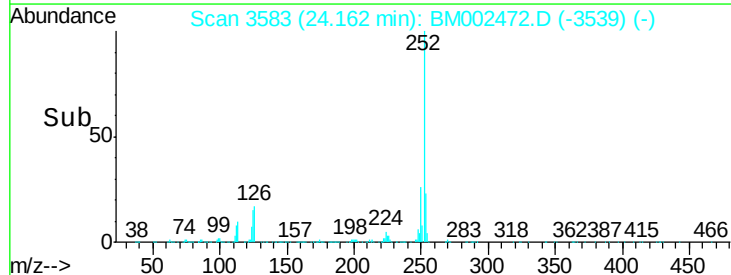
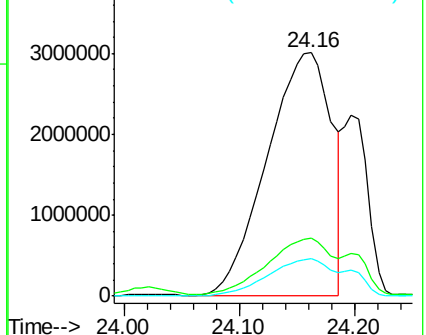
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	15.3	10.0	15.0#

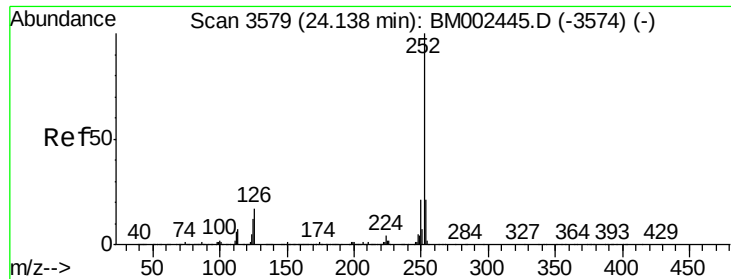


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 98.57 ng/ul

RT: 24.16 min Scan# 3583

Delta R.T. 0.01 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

Instrument :

BNA_M

ClientSampleId :

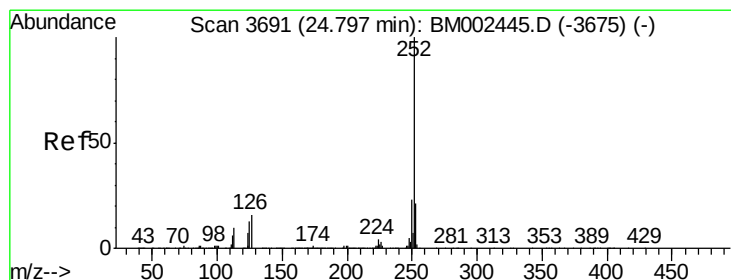
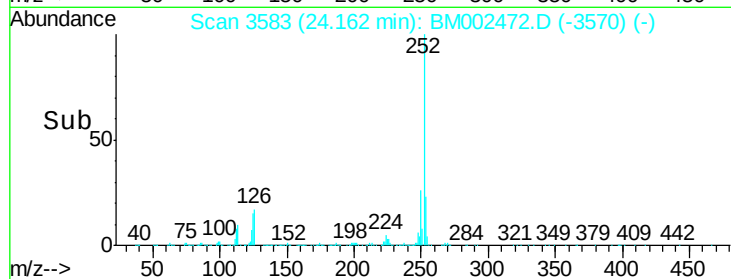
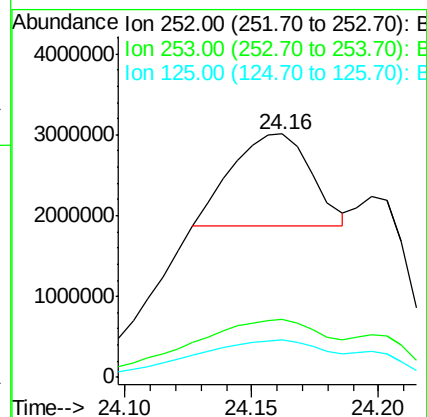
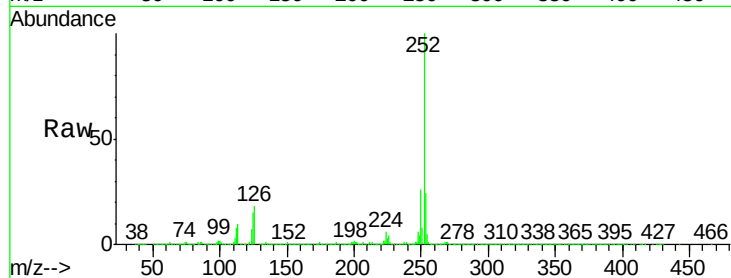
Tot Ion:252 Resp: 2467612

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

125 15.3 9.8 14.8#



#26

Benzo(a)pyrene

Concen: 287.85 ng/ul

RT: 24.88 min Scan# 3705

Delta R.T. 0.06 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

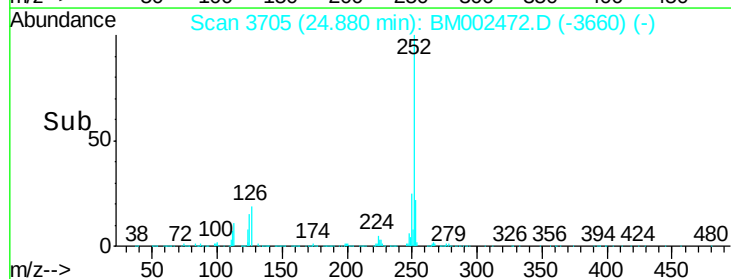
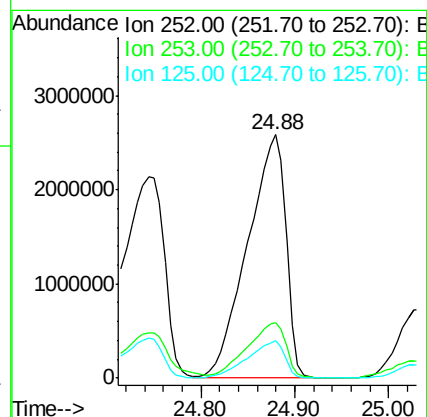
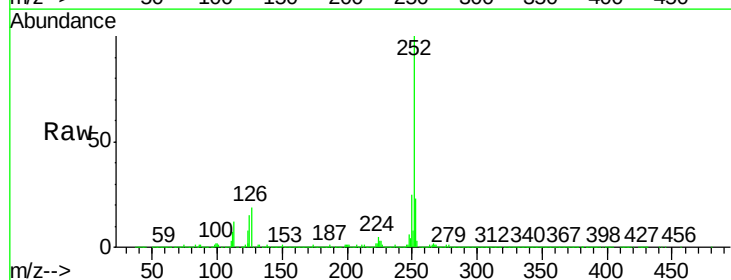
Tgt Ion:252 Resp: 7262831

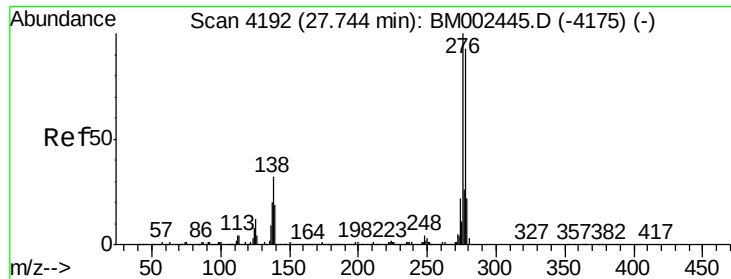
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 15.2 10.7 16.1

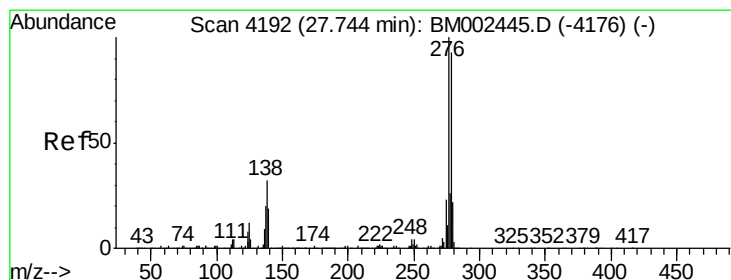
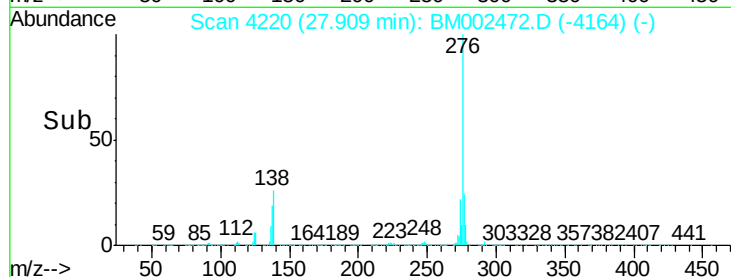
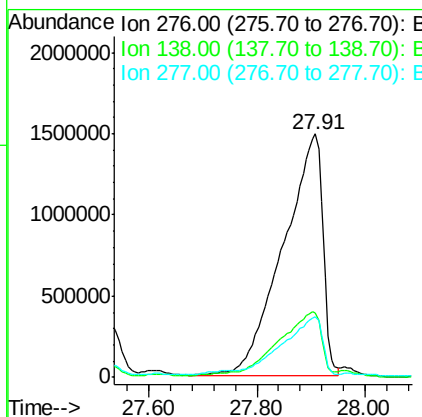
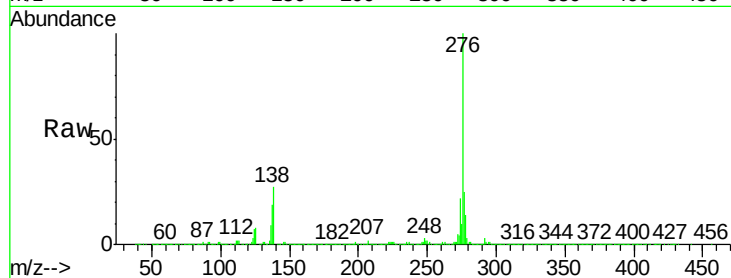




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 261.53 ng/ul
 RT: 27.91 min Scan# 4220
 Delta R.T. 0.13 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

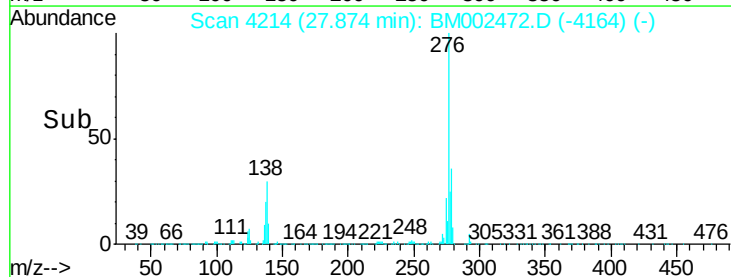
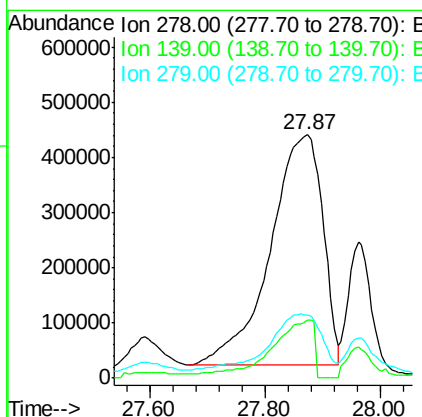
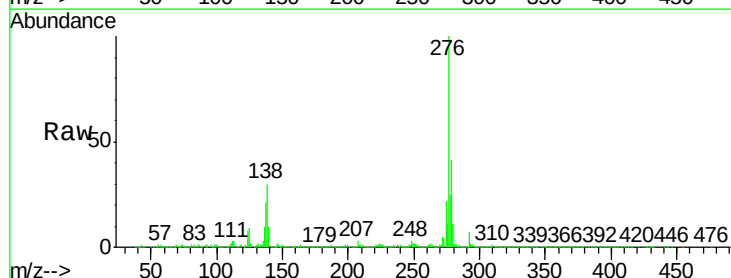
Instrument :
 BNA_M
 ClientSampleId :

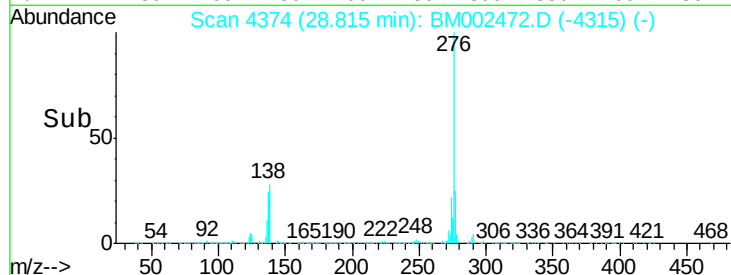
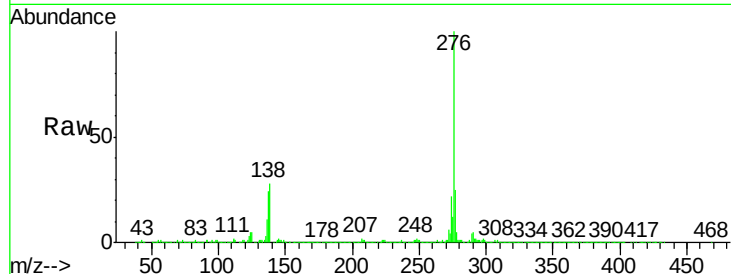
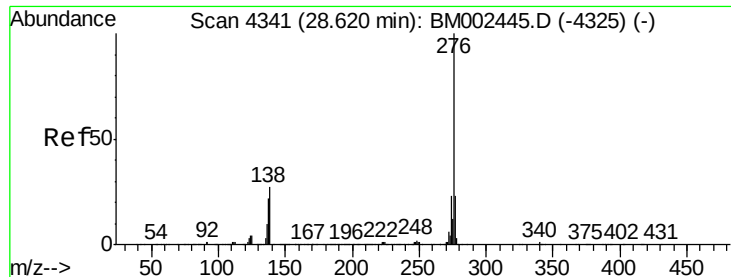
Tot Ion:276 Resp: 7588850
 Ion Ratio Lower Upper
 276 100
 138 26.5 25.3 37.9
 277 24.8 20.2 30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 108.61 ng/ul
 RT: 27.87 min Scan# 4214
 Delta R.T. 0.09 min
 Lab File: BM002472.D
 Acq: 18 Aug 2015 03:55

Tgt Ion:278 Resp: 2634212
 Ion Ratio Lower Upper
 278 100
 139 23.6 16.5 24.7
 279 26.0 18.8 28.2





#29

Benzo(a,h,i)perylene

Concen: 285.14 ng/ul

RT: 28.81 min Scan# 4374

Delta R.T. 0.15 min

Lab File: BM002472.D

Acq: 18 Aug 2015 03:55

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 6887115

Ion Ratio Lower Upper

276 100

138 28.1 21.0 31.6

277 25.0 19.2 28.8

