

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002440.D
 Acq On : 16 Aug 2015 00:29
 Operator : UM/IZ
 Sample : G3194-18MS
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8MS

Quant Time: Aug 17 05:19:24 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	207293	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	913199	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	460834	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	903252	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	611704	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	577904	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	1416757	30.07	ng/ul	0.00
10) Fluorene-d10	16.43	176	937331	28.32	ng/ul	0.00
14) Anthracene-d10	18.26	188	1294160	29.70	ng/ul	0.01
18) Pyrene-d10	20.48	212	1078050	39.76	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.74	264	872787	28.75	ng/ul	0.02

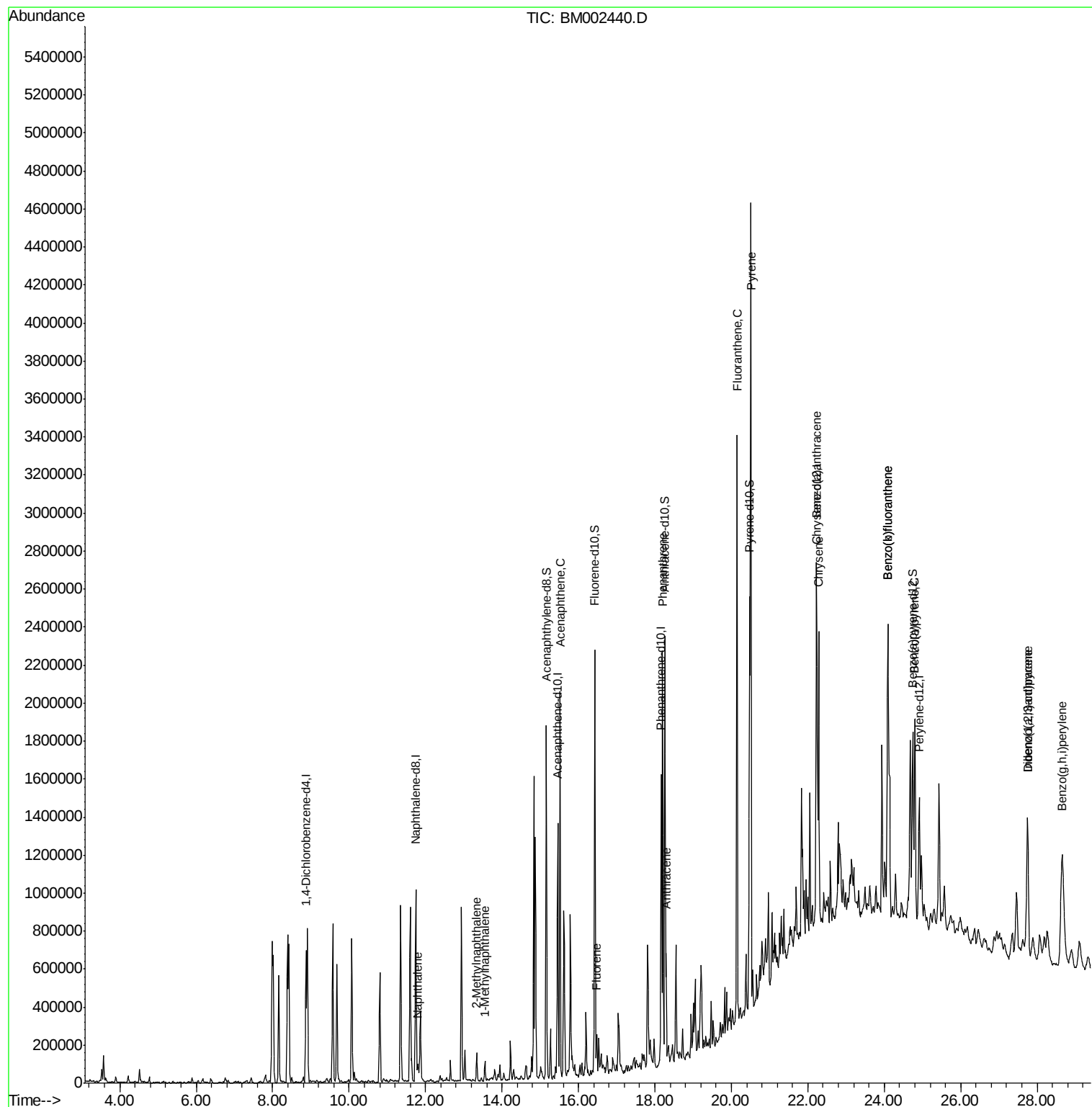
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.79	128	86593	1.86	ng/ul	100
4) 2-Methylnaphthalene	13.33	142	74499	2.13	ng/ul	98
5) 1-Methylnaphthalene	13.55	142	50936	1.47	ng/ul	98
9) Acenaphthene	15.52	153	870968	26.81	ng/ul	100
11) Fluorene	16.48	166	86100	2.31	ng/ul#	98
13) Phenanthrene	18.20	178	1384181	26.54	ng/ul	100
15) Anthracene	18.29	178	349535	6.61	ng/ul	100
16) Fluoranthene	20.15	202	1916115	32.45	ng/ul	99
19) Pyrene	20.51	202	2519696	70.31	ng/ul	100
20) Benzo(a)anthracene	22.22	228	896941	24.52	ng/ul	99
21) Chrysene	22.28	228	975960	28.53	ng/ul	97
23) Benzo(b)fluoranthene	24.09	252	1571807	44.99	ng/ul	97
24) Benzo(k)fluoranthene	24.09	252	433247	13.09	ng/ul	98
26) Benzo(a)pyrene	24.80	252	925552	27.74	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.75	276	796185	20.75	ng/ul	94
28) Dibenzo(a,h)anthracene	27.74	278	254079	7.92	ng/ul#	90
29) Benzo(g,h,i)perylene	28.64	276	733065	22.95	ng/ul	99

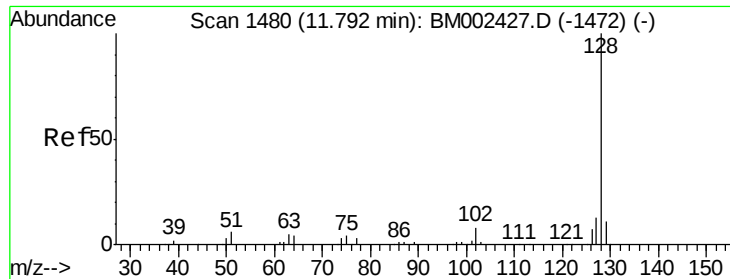
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.86 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Instrument :

BNA_M

ClientSampleId :

D9DB8MS

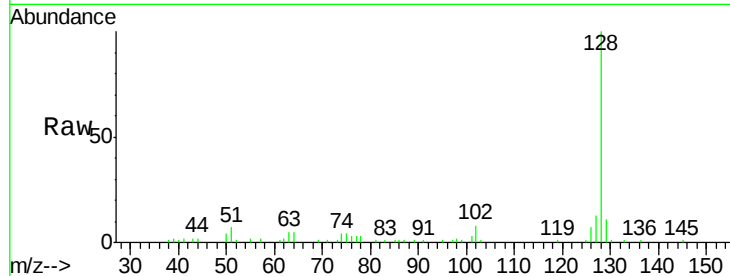
Tot Ion:128 Resp: 86593

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

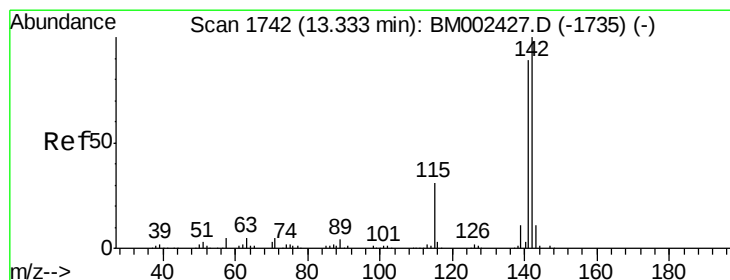
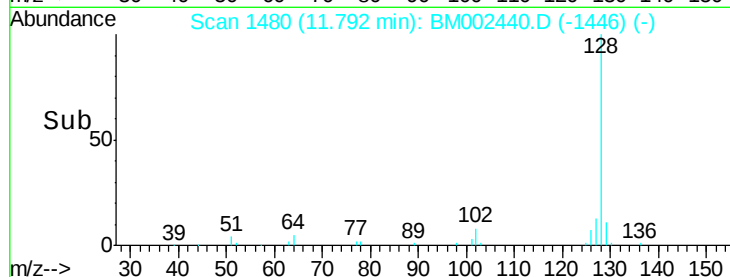
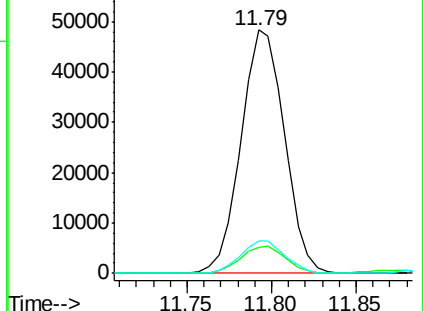
127 13.1 10.4 15.6



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: 2.13 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. 0.00 min

Lab File: BM002440.D

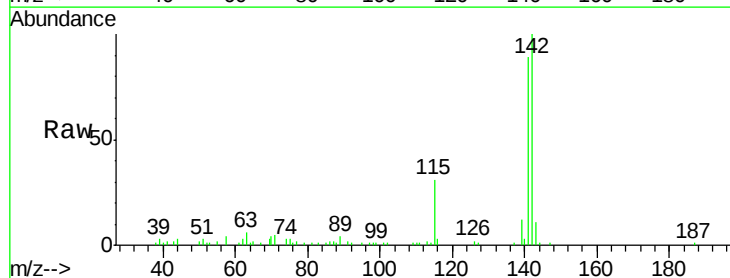
Acq: 16 Aug 2015 00:29

Tgt Ion:142 Resp: 74499

Ion Ratio Lower Upper

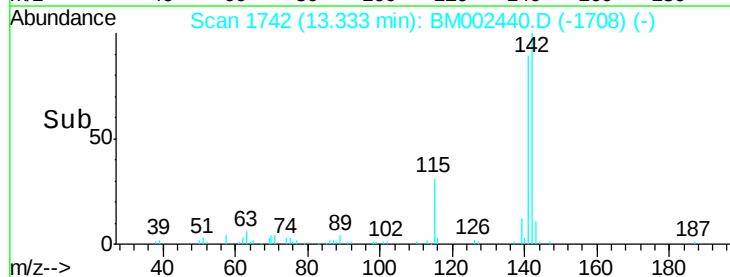
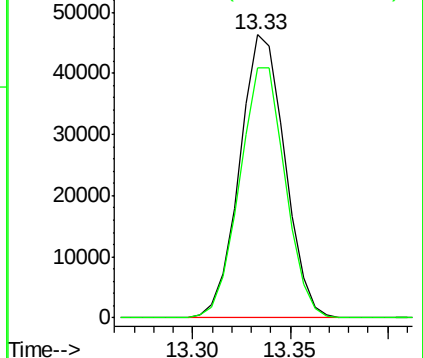
142 100

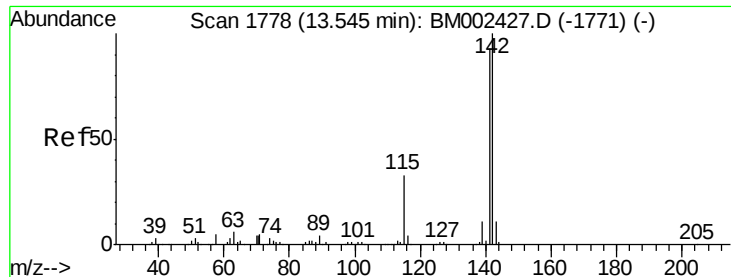
141 88.6 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.47 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Instrument :

BNA_M

ClientSampleId :

D9DB8MS

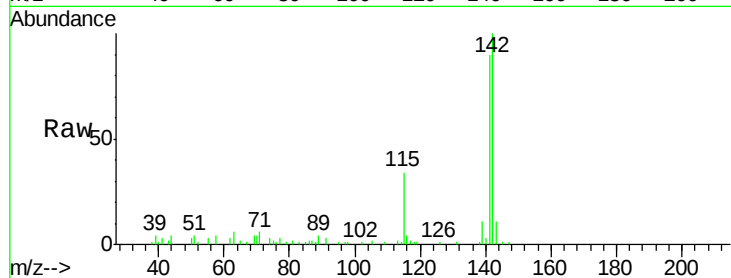
Tot Ion:142 Resp: 50936

Ion Ratio Lower Upper

142 100

141 90.4 73.9 110.9

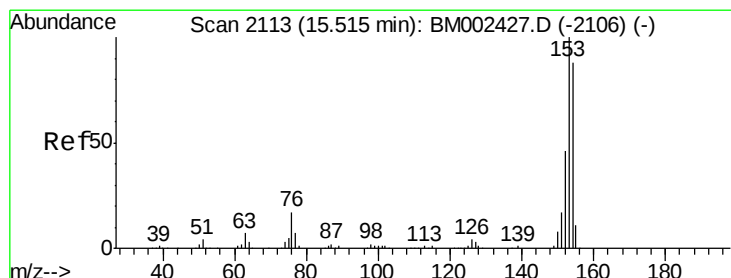
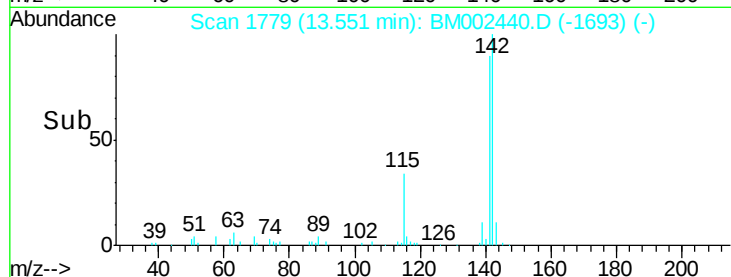
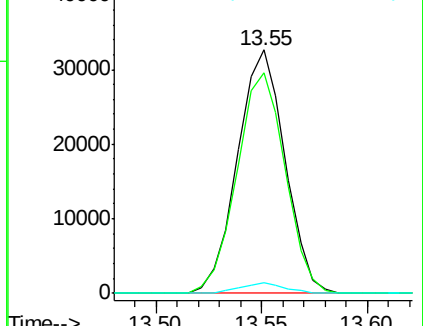
116 4.2 3.0 4.4



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: 26.81 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

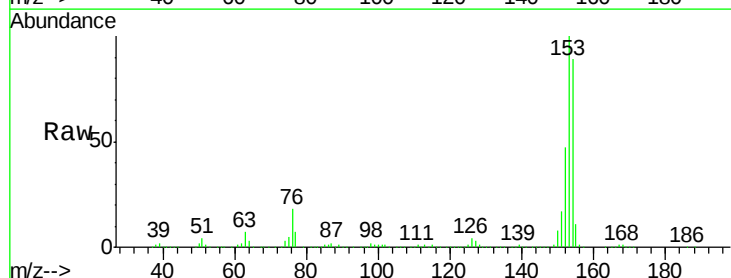
Tgt Ion:153 Resp: 870968

Ion Ratio Lower Upper

153 100

152 46.5 36.9 55.3

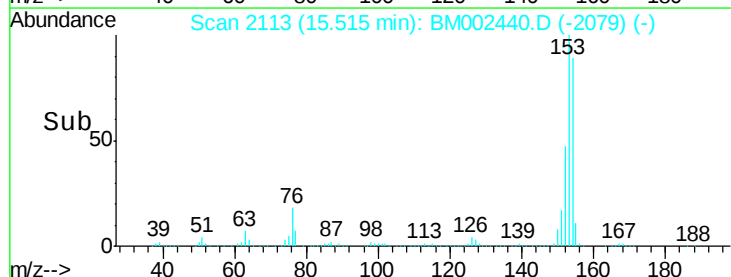
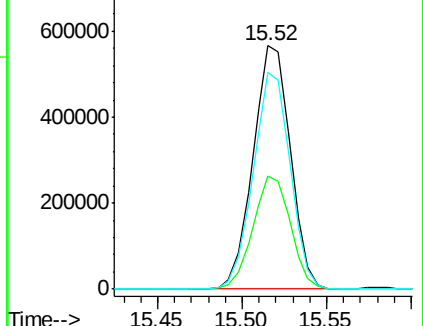
154 88.8 71.3 106.9

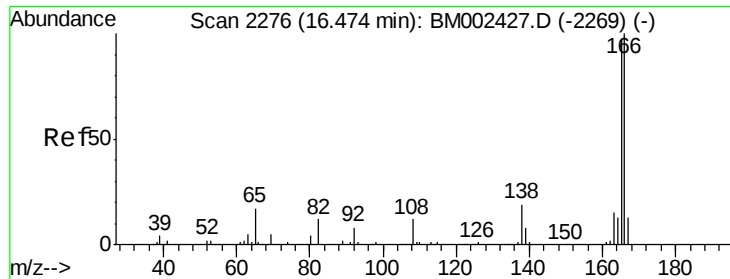


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 2.31 ng/ul

RT: 16.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Instrument :

BNA_M

ClientSampleId :

D9DB8MS

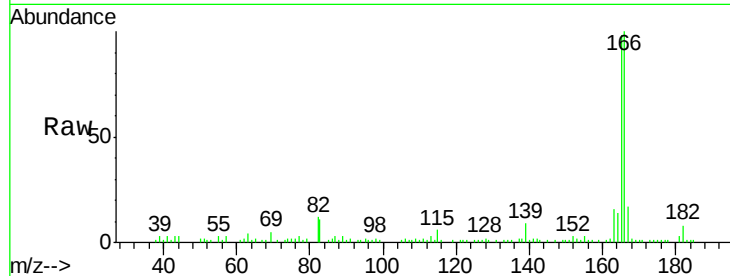
Tot Ion:166 Resp: 86100

Ion Ratio Lower Upper

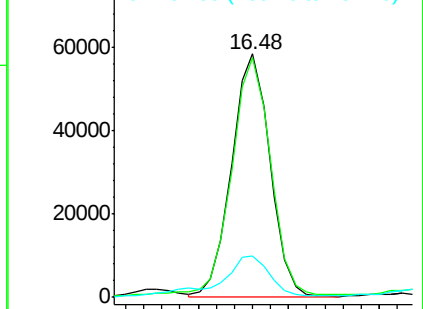
166 100

165 98.4 77.6 116.4

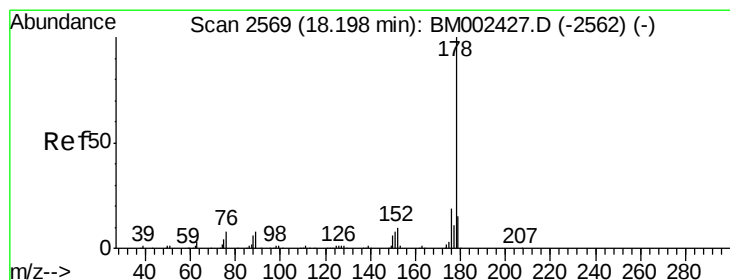
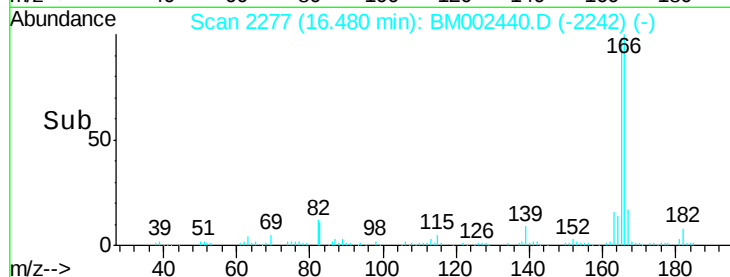
167 17.2 10.7 16.1#



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



Time-->



#13

Phenanthrene

Concen: 26.54 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.01 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

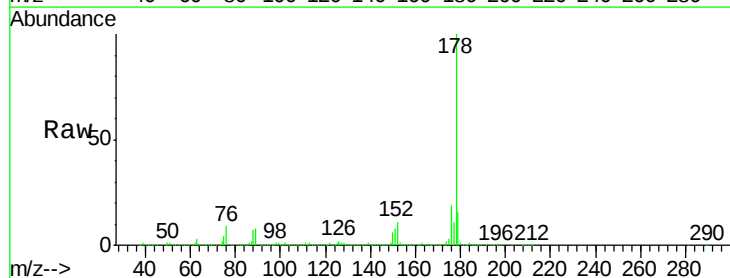
Tgt Ion:178 Resp: 1384181

Ion Ratio Lower Upper

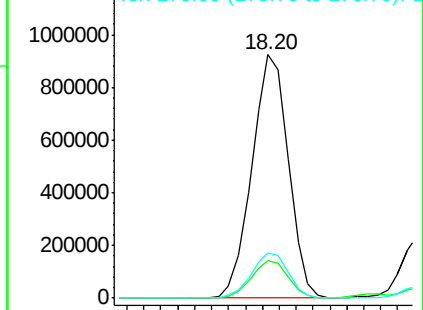
178 100

179 15.5 12.4 18.6

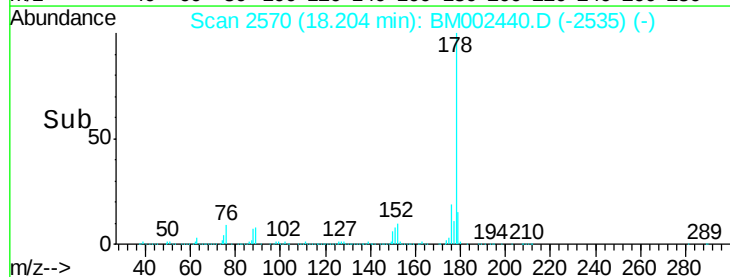
176 18.7 15.1 22.7

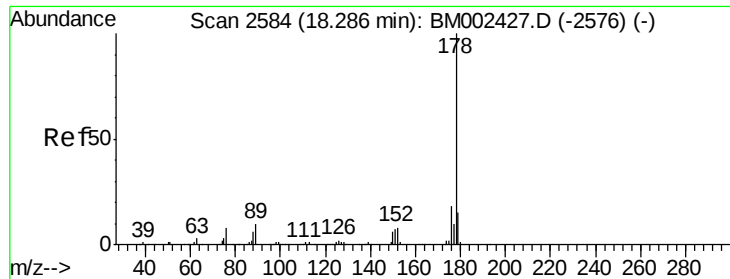


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





#15

Anthracene

Concen: 6.61 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Instrument :

BNA_M

ClientSampleId :

D9DB8MS

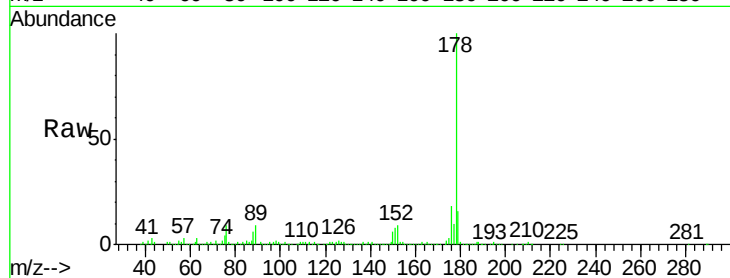
Tot Ion:178 Resp: 349535

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

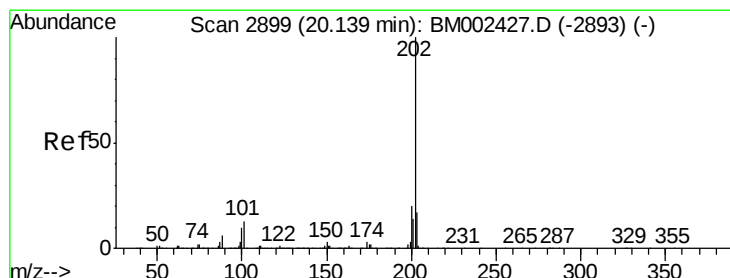
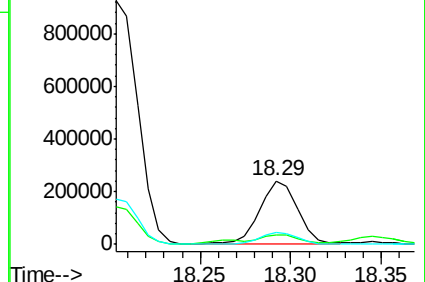
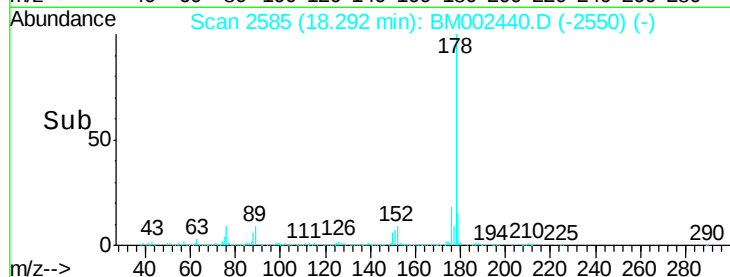
176 18.1 14.5 21.7



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: 32.45 ng/ul

RT: 20.15 min Scan# 2901

Delta R.T. 0.01 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

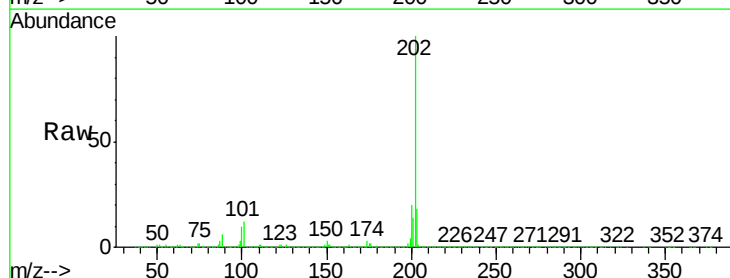
Tgt Ion:202 Resp: 1916115

Ion Ratio Lower Upper

202 100

101 12.3 9.7 14.5

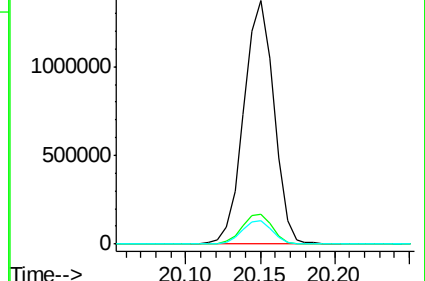
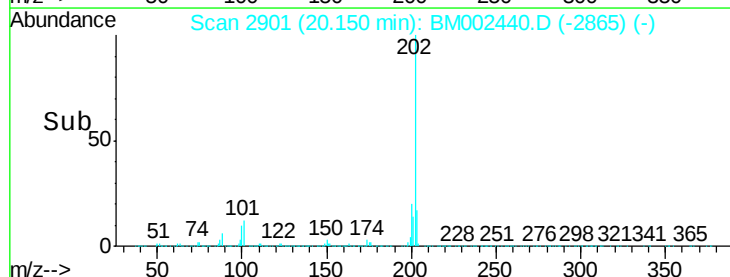
100 9.6 7.4 11.2

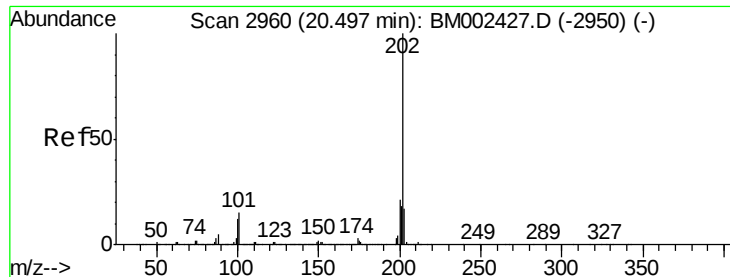


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 70.31 ng/ul

RT: 20.51 min Scan# 2962

Delta R.T. 0.01 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Instrument :

BNA_M

ClientSampleId :

D9DB8MS

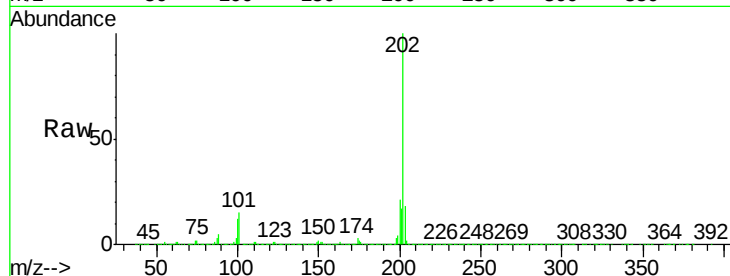
Tot Ion:202 Resp: 2519696

Ion Ratio Lower Upper

202 100

101 14.9 12.0 18.0

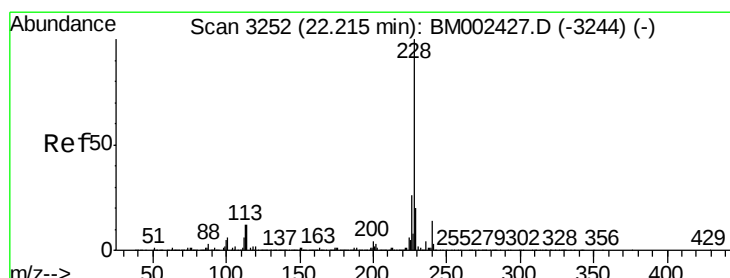
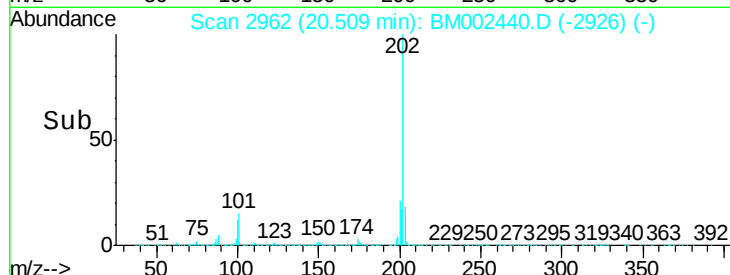
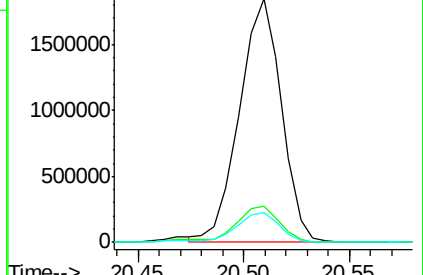
100 12.2 9.7 14.5



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): E



#20

Benzo(a)anthracene

Concen: 24.52 ng/ul

RT: 22.22 min Scan# 3253

Delta R.T. 0.01 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

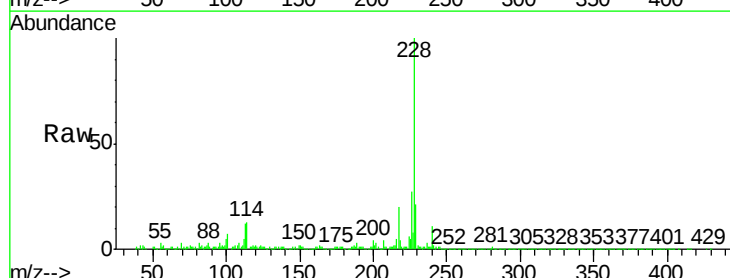
Tgt Ion:228 Resp: 896941

Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

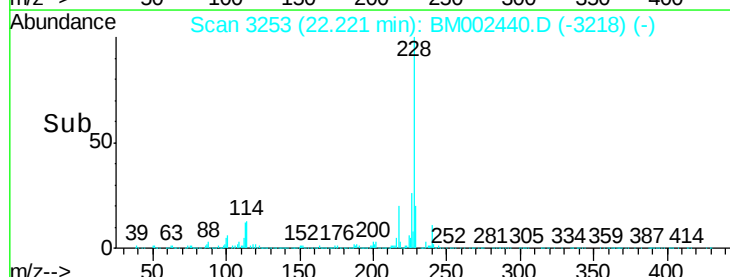
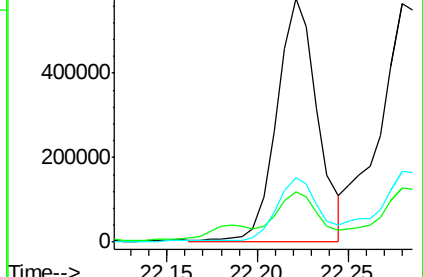
226 26.6 21.1 31.7

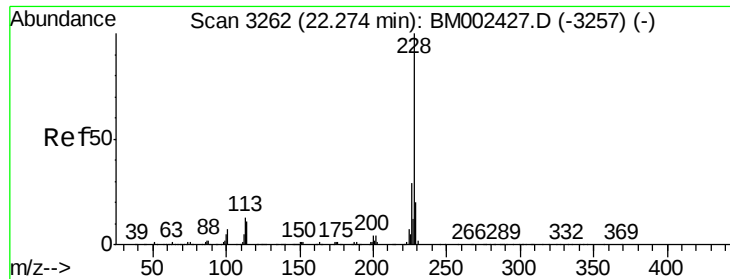


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 28.53 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.01 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Instrument :

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ClientSampleId :

D9DB8MS

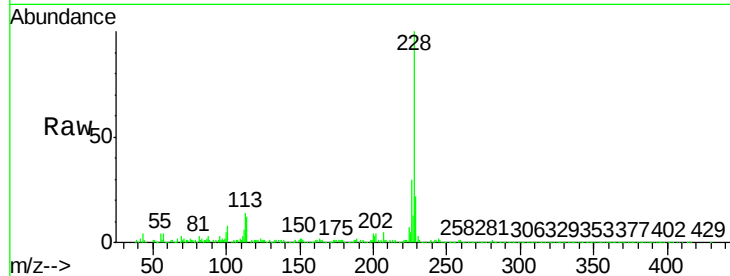
Tot Ion:228 Resp: 975960

Ion Ratio Lower Upper

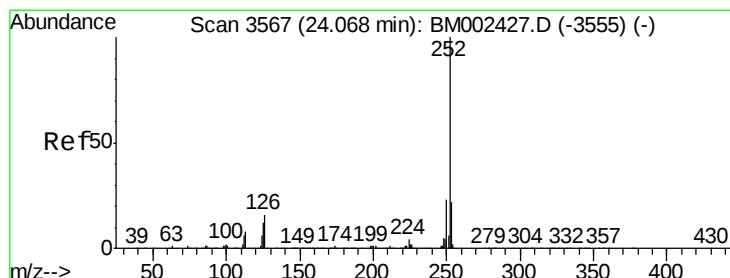
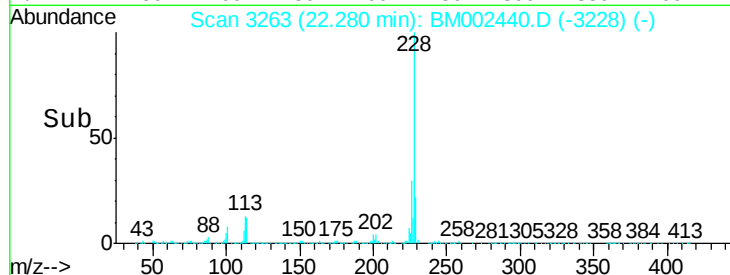
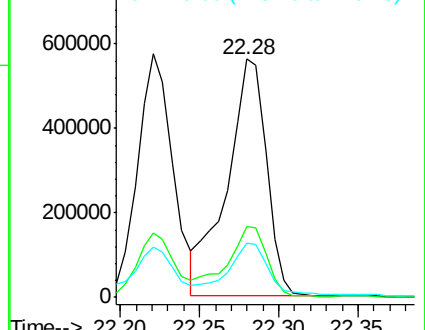
228 100

226 29.8 23.4 35.2

229 22.5 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: 44.99 ng/ul

RT: 24.09 min Scan# 3571

Delta R.T. 0.02 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

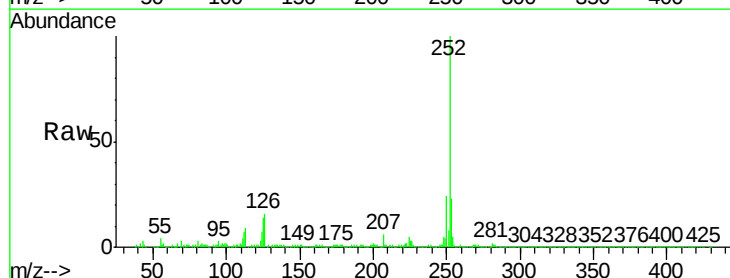
Tgt Ion:252 Resp: 1571807

Ion Ratio Lower Upper

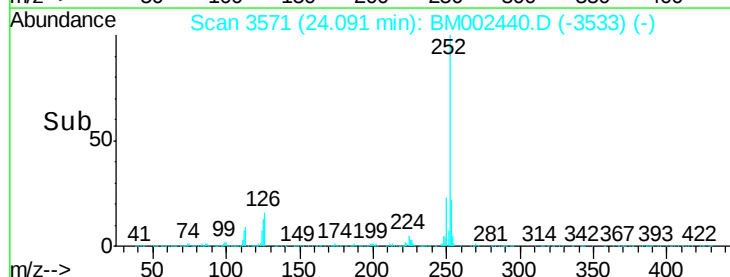
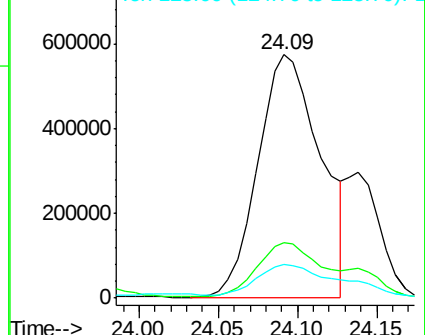
252 100

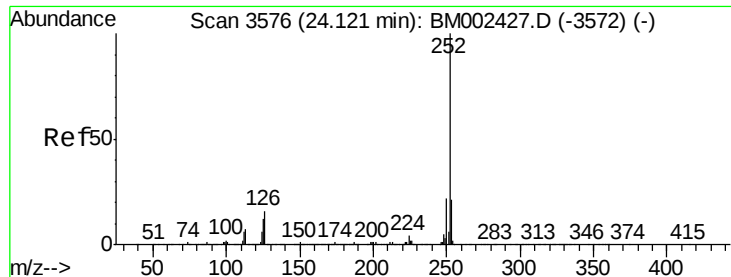
253 22.8 17.4 26.0

125 13.8 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

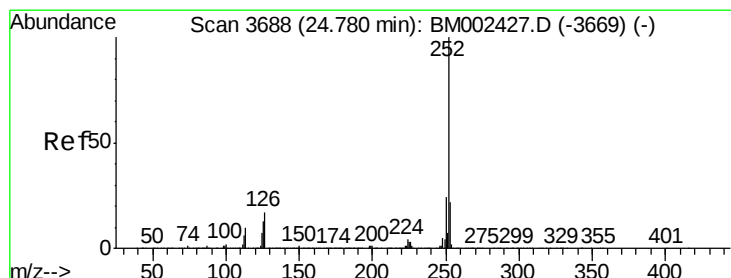
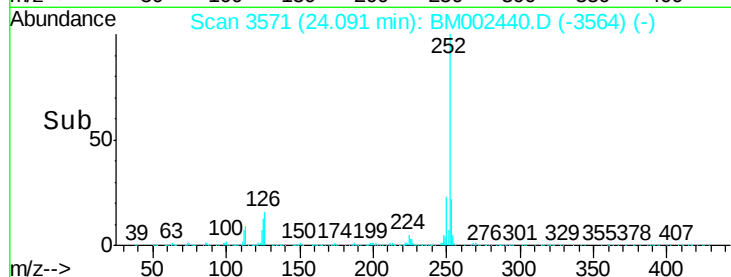
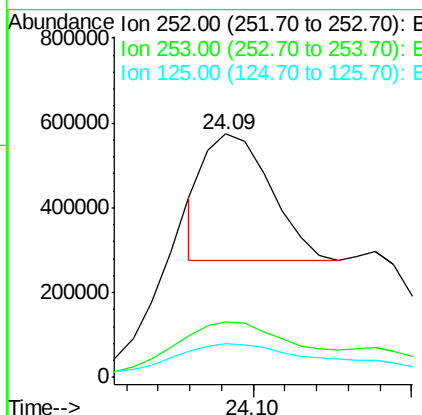
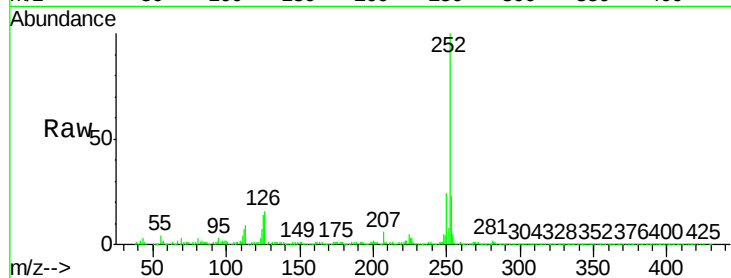




#24
Benzo(k)fluoranthene
Concen: 13.09 ng/ul
RT: 24.09 min Scan# 3571
Delta R.T. -0.03 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

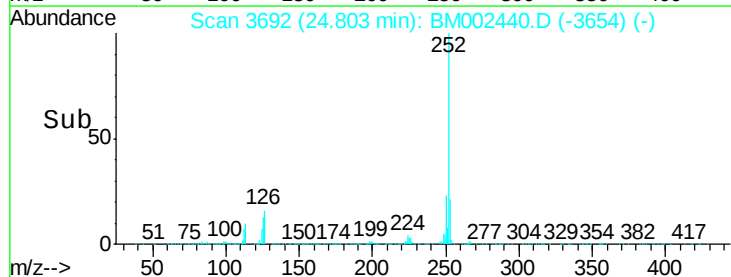
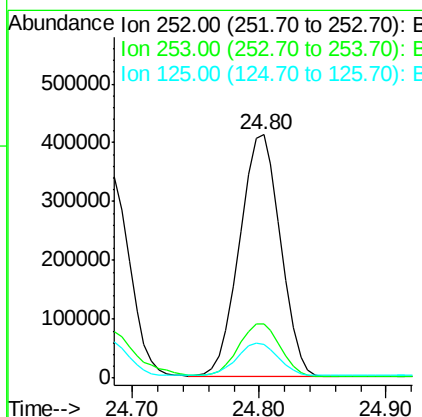
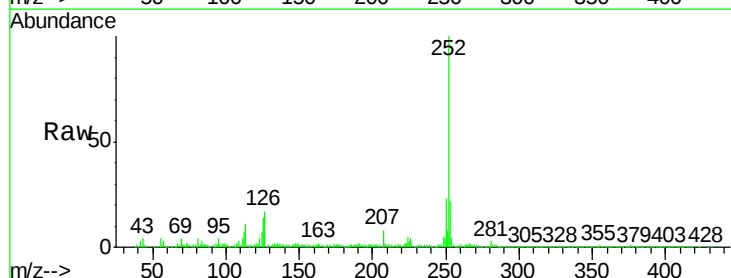
Instrument :
BNA_M
ClientSampleId :
D9DB8MS

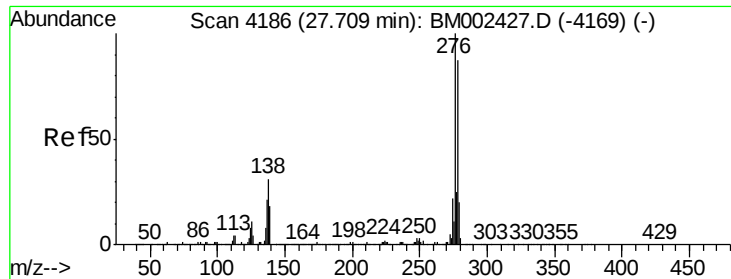
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	13.8	9.8	14.8



#26
Benzo(a)pyrene
Concen: 27.74 ng/ul
RT: 24.80 min Scan# 3692
Delta R.T. 0.02 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	13.9	10.7	16.1

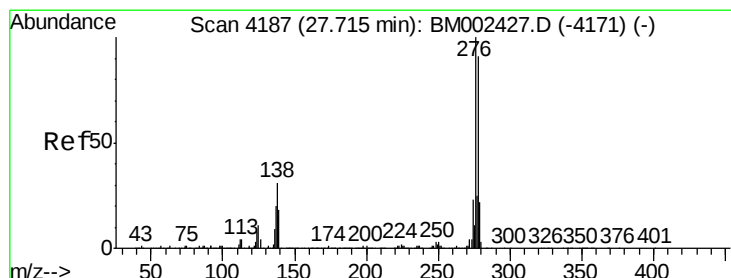
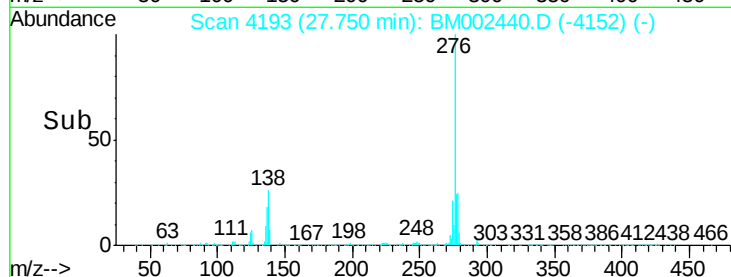
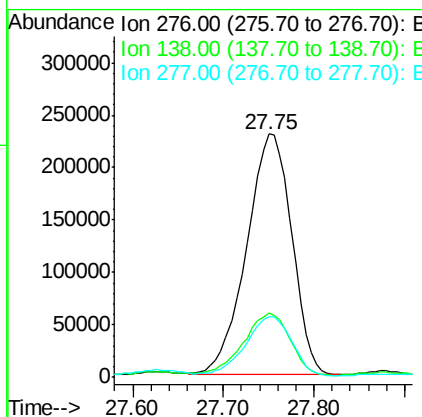
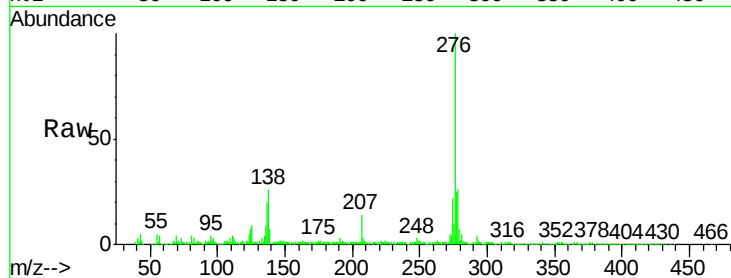




#27
Indeno(1,2,3-cd)pyrene
Concen: 20.75 ng/ul
RT: 27.75 min Scan# 4193
Delta R.T. 0.04 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

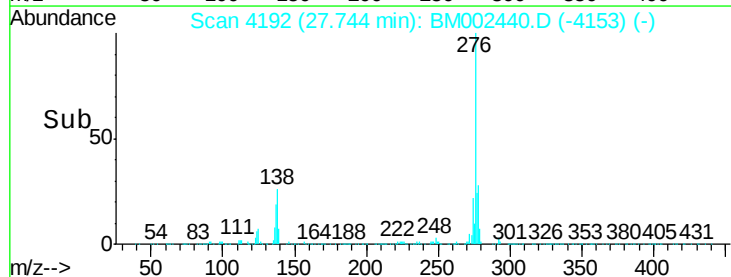
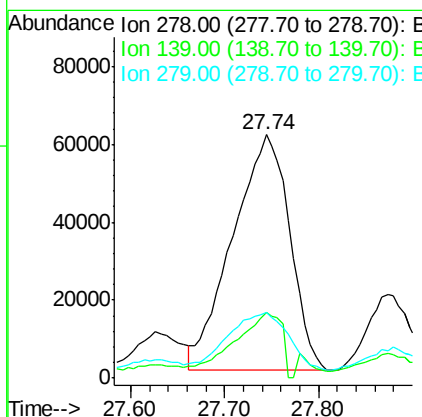
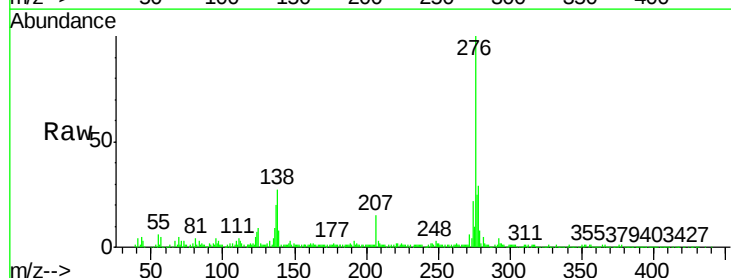
Instrument :
BNA_M
ClientSampleId :
D9DB8MS

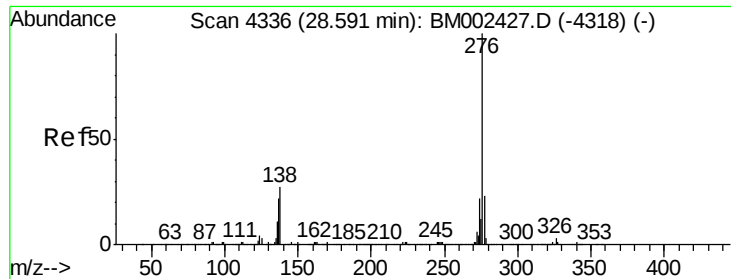
Tot Ion:276 Resp: 796185
Ion Ratio Lower Upper
276 100
138 26.3 25.3 37.9
277 24.8 20.2 30.2



#28
Dibenzo(a,h)anthracene
Concen: 7.92 ng/ul
RT: 27.74 min Scan# 4192
Delta R.T. 0.03 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

Tgt Ion:278 Resp: 254079
Ion Ratio Lower Upper
278 100
139 27.0 16.5 24.7#
279 26.8 18.8 28.2





#29

Benzo(a,h,i)perylene

Concen: 22.95 ng/ul

RT: 28.64 min Scan# 4345

Delta R.T. 0.05 min

Lab File: BM002440.D

Acq: 16 Aug 2015 00:29

Instrument :

BNA_M

ClientSampleId :

D9DB8MS

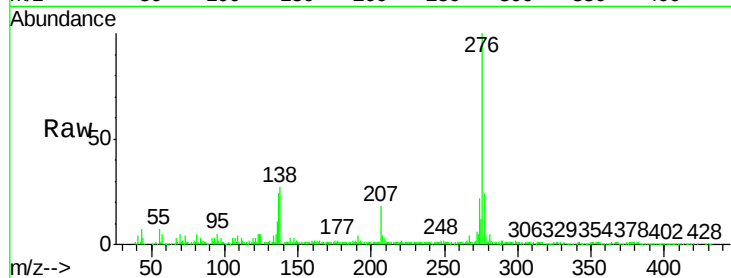
Tot Ion:276 Resp: 733065

Ion Ratio Lower Upper

276 100

138 27.2 21.0 31.6

277 24.5 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

