

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002445.D
 Acq On : 17 Aug 2015 10:22
 Operator : UM/IZ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 18 01:53:24 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	122831	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	566182	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	296583	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	610134	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	452405	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	395579	20.00	ng/ul	0.01

System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	604752	19.94	ng/ul	0.00
10) Fluorene-d10	16.42	176	412867	19.39	ng/ul	0.00
14) Anthracene-d10	18.26	188	585298	19.89	ng/ul	0.00
18) Pyrene-d10	20.47	212	518790	25.87	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	410846	19.77	ng/ul	0.02

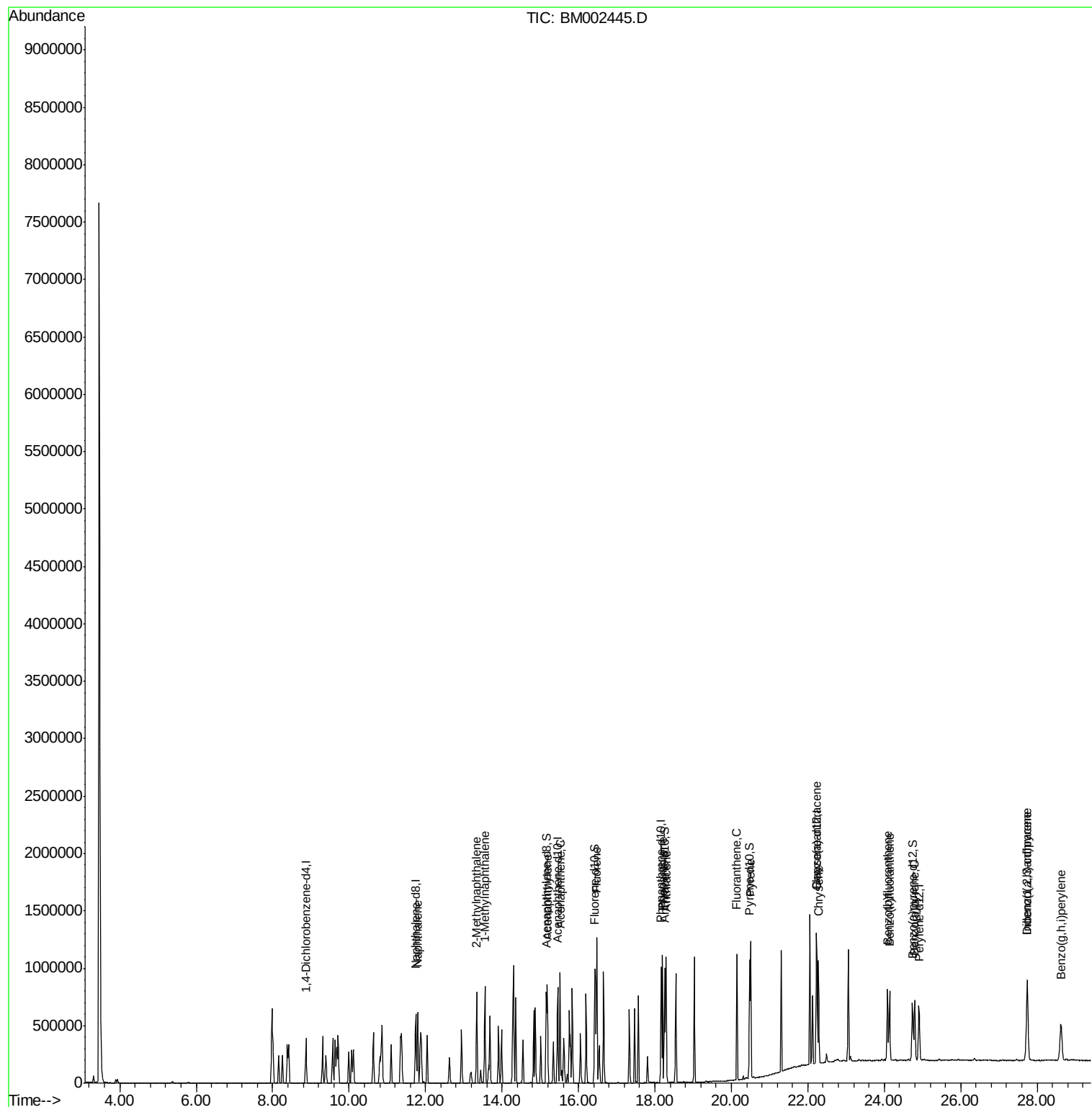
Target Compounds				Ovalue		
3) Naphthalene	11.79	128	563163	19.49	ng/ul	99
4) 2-Methylnaphthalene	13.34	142	406802	18.79	ng/ul	99
5) 1-Methylnaphthalene	13.55	142	399856	18.67	ng/ul	100
8) Acenaphthylene	15.19	152	629688	19.84	ng/ul	99
9) Acenaphthene	15.52	153	410493	19.63	ng/ul	100
11) Fluorene	16.48	166	463350	19.34	ng/ul	100
13) Phenanthrene	18.20	178	696311	19.76	ng/ul	99
15) Anthracene	18.29	178	703201	19.69	ng/ul	100
16) Fluoranthene	20.15	202	688494	17.26	ng/ul	100
19) Pyrene	20.50	202	684499	25.83	ng/ul	100
20) Benzo(a)anthracene	22.22	228	534836	19.77	ng/ul	100
21) Chrysene	22.28	228	495449	19.58	ng/ul	100
23) Benzo(b)fluoranthene	24.09	252	474926	19.86	ng/ul	100
24) Benzo(k)fluoranthene	24.14	252	459613	20.28	ng/ul	99
26) Benzo(a)pyrene	24.80	252	452426	19.81	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.74	276	518235	19.73	ng/ul	99
28) Dibenzo(a,h)anthracene	27.74	278	438070	19.95	ng/ul	100
29) Benzo(g,h,i)perylene	28.62	276	434227	19.86	ng/ul	99

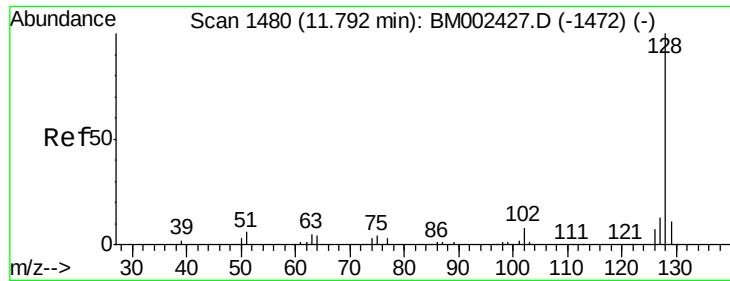
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.49 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

Instrument :

BNA_M

ClientSampleId :

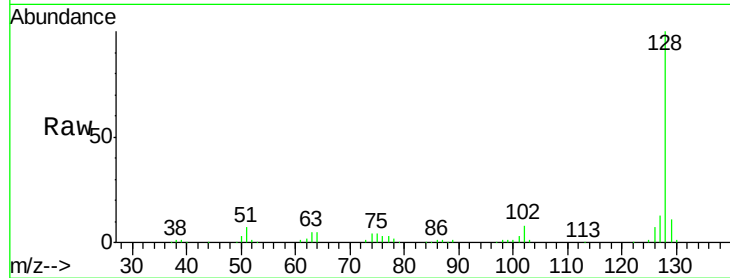
Tot Ion:128 Resp: 563163

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

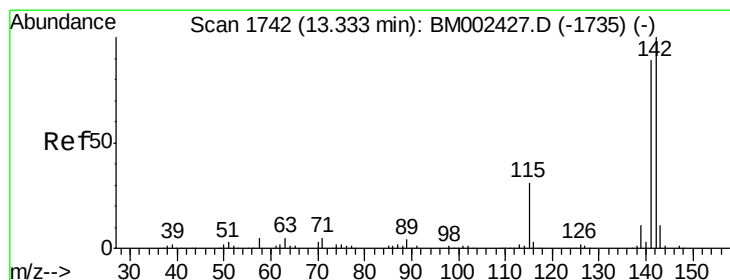
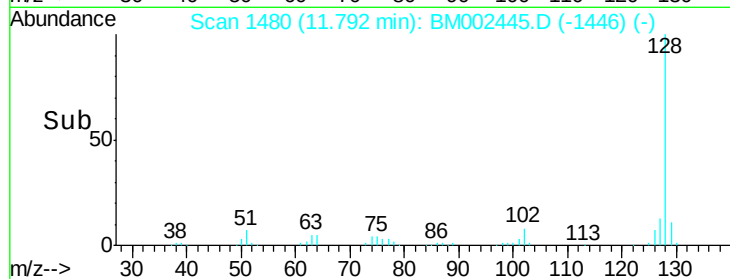
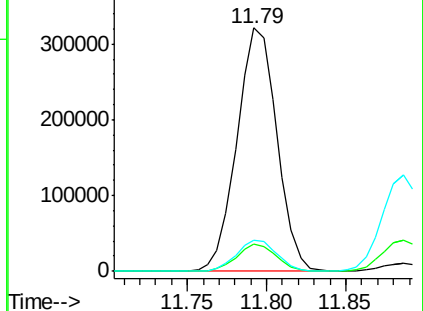
127 12.8 10.4 15.6



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: 18.79 ng/ul

RT: 13.34 min Scan# 1743

Delta R.T. 0.01 min

Lab File: BM002445.D

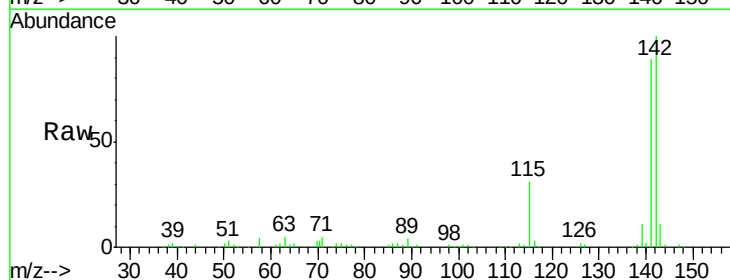
Acq: 17 Aug 2015 10:22

Tgt Ion:142 Resp: 406802

Ion Ratio Lower Upper

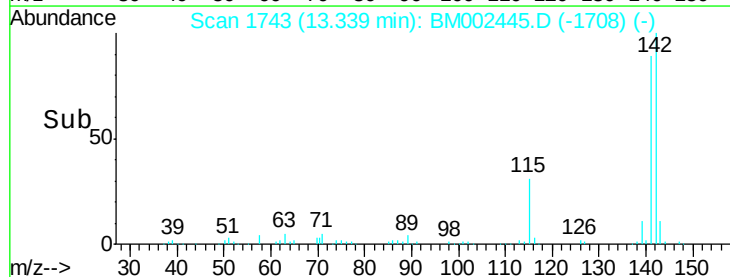
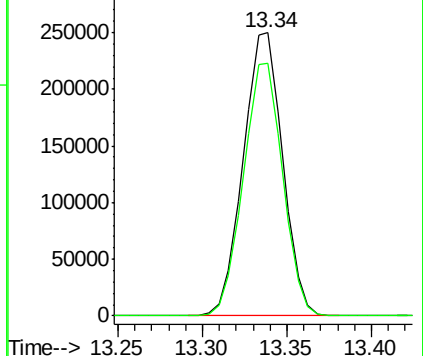
142 100

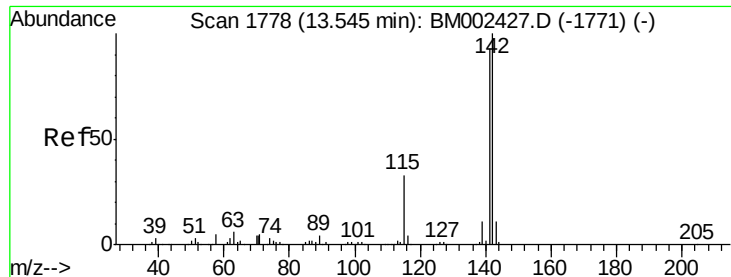
141 89.2 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 18.67 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

Instrument :

BNA_M

ClientSampleId :

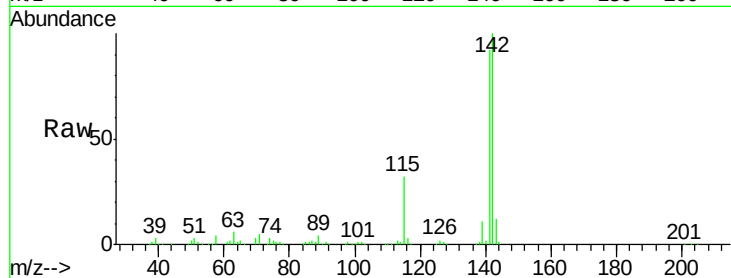
Tot Ion:142 Resp: 399856

Ion Ratio Lower Upper

142 100

141 92.1 73.9 110.9

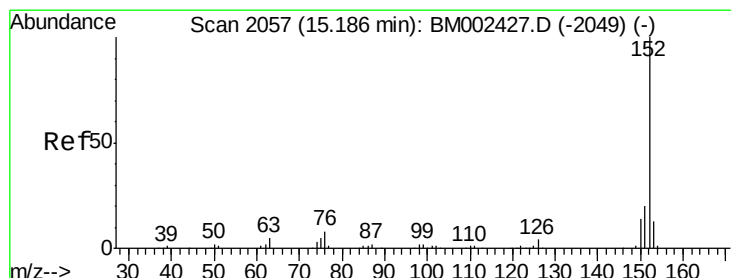
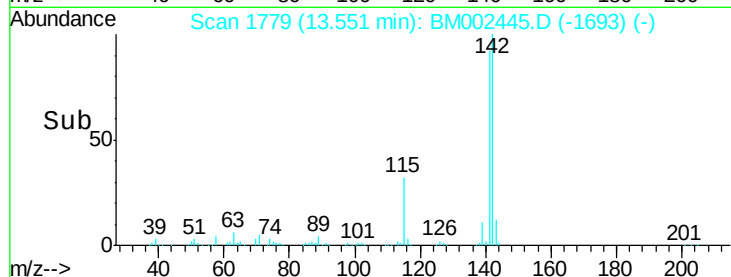
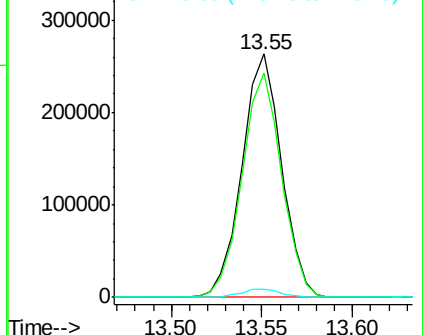
116 3.4 3.0 4.4



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



#8

Acenaphthylene

Concen: 19.84 ng/ul

RT: 15.19 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

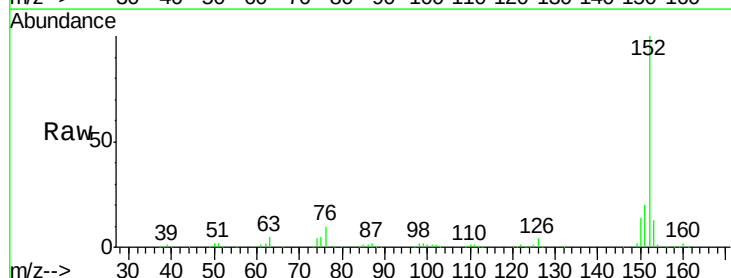
Tgt Ion:152 Resp: 629688

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

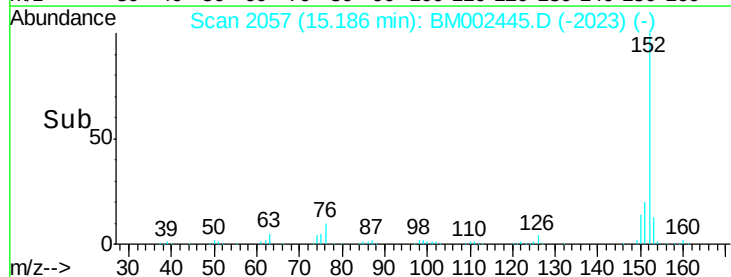
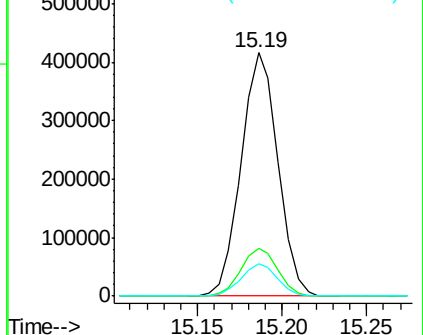
153 13.2 10.2 15.4

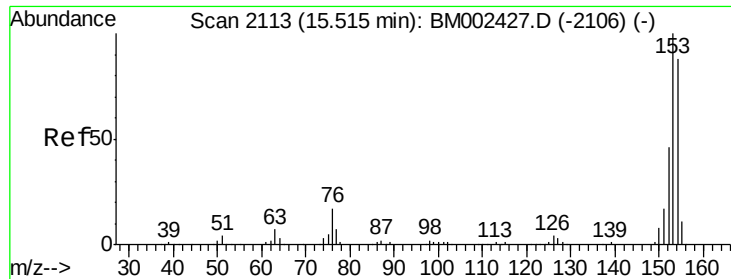


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.63 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

Instrument :

BNA_M

ClientSampleId :

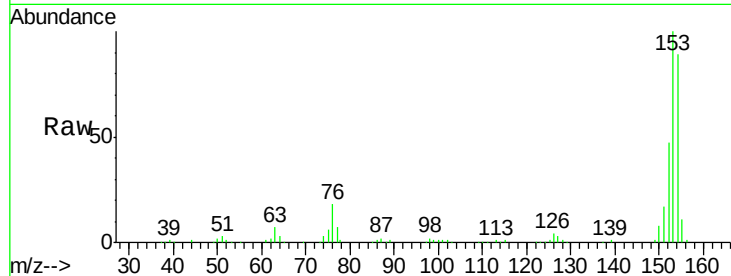
Tot Ion:153 Resp: 410493

Ion Ratio Lower Upper

153 100

152 46.7 36.9 55.3

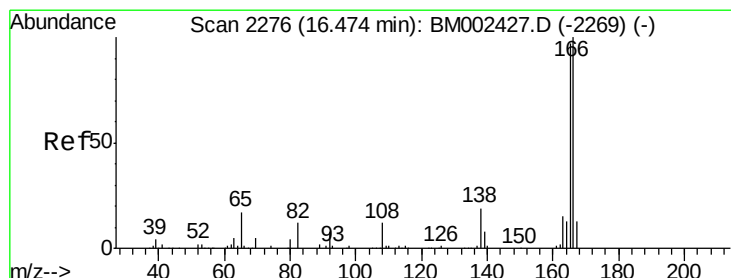
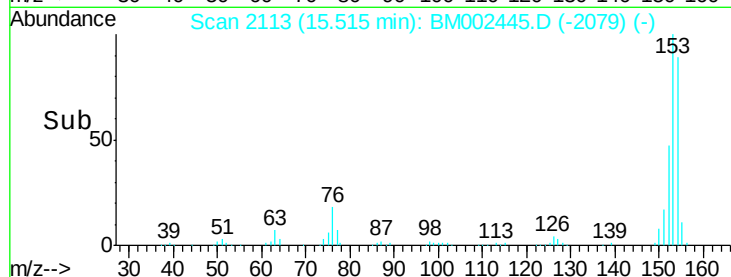
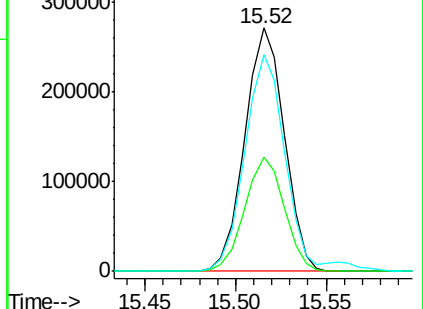
154 89.1 71.3 106.9



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: 19.34 ng/ul

RT: 16.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

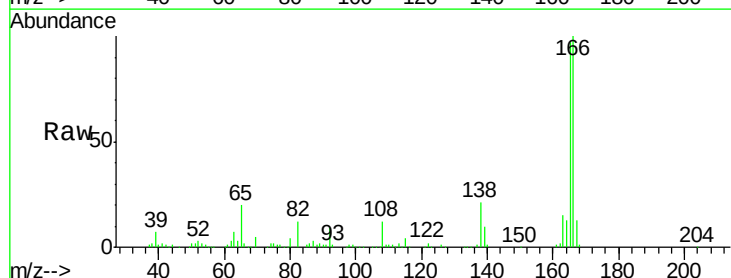
Tgt Ion:166 Resp: 463350

Ion Ratio Lower Upper

166 100

165 97.1 77.6 116.4

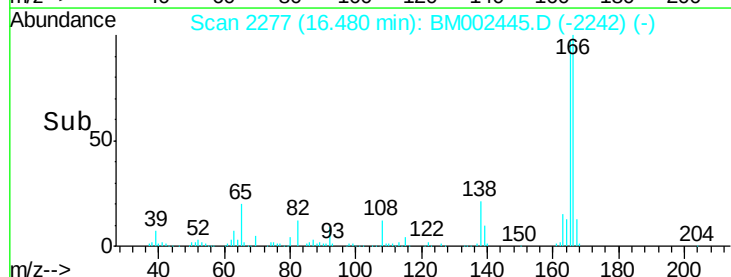
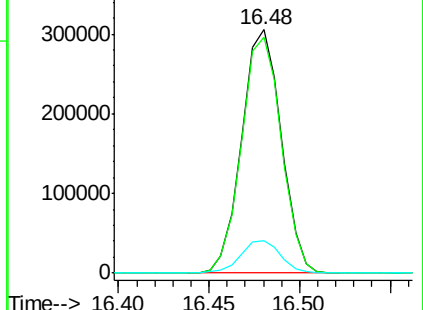
167 13.3 10.7 16.1

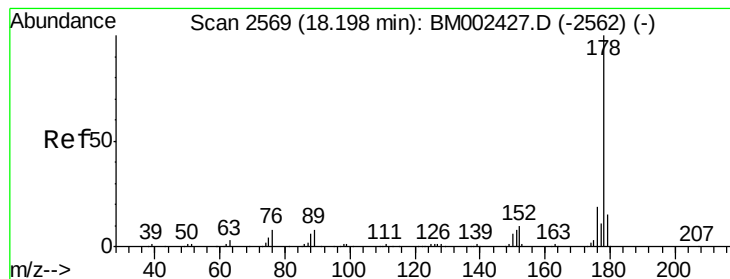


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.76 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.01 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

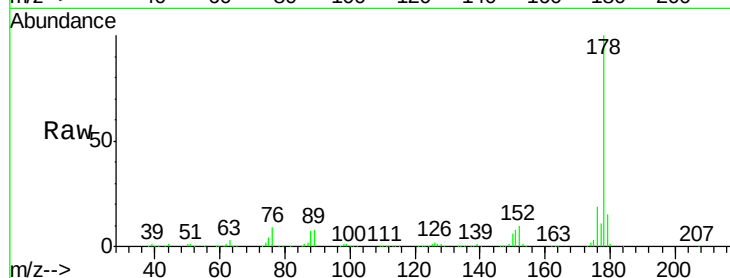
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 696311

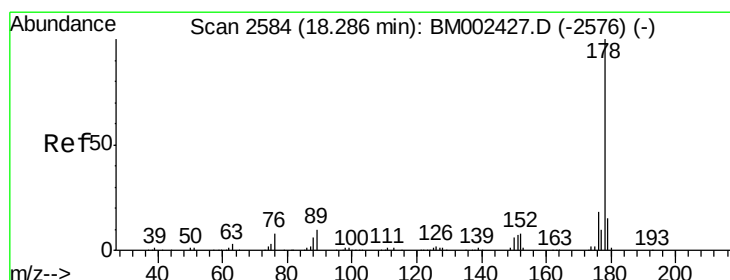
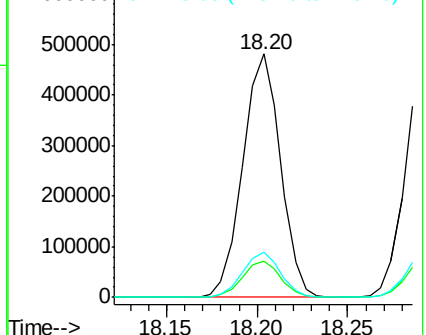
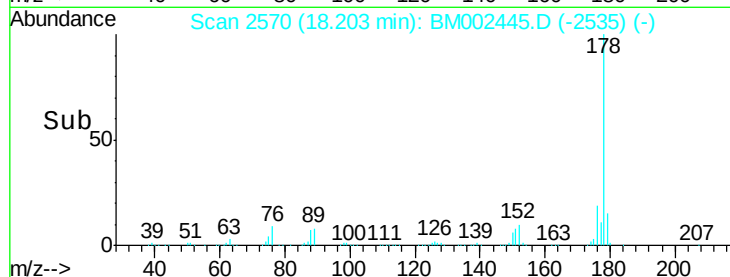
Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.4	18.6
176	18.5	15.1	22.7



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: 19.69 ng/ul

RT: 18.29 min Scan# 2585

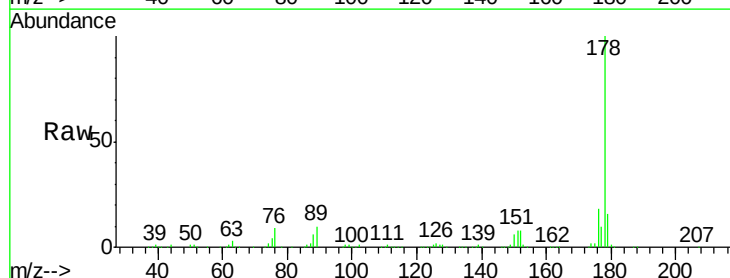
Delta R.T. 0.01 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

Tgt Ion:178 Resp: 703201

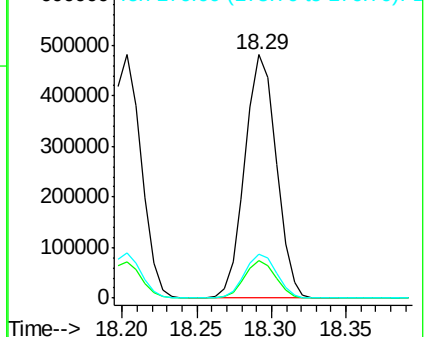
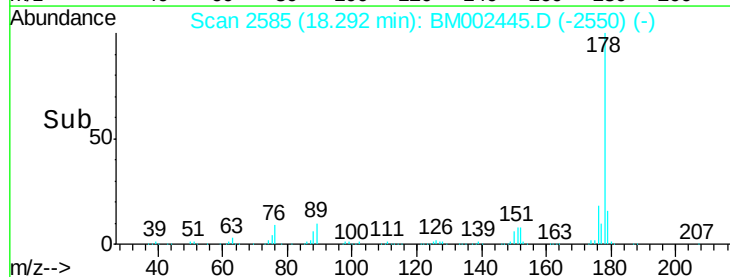
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	18.8
176	18.3	14.5	21.7

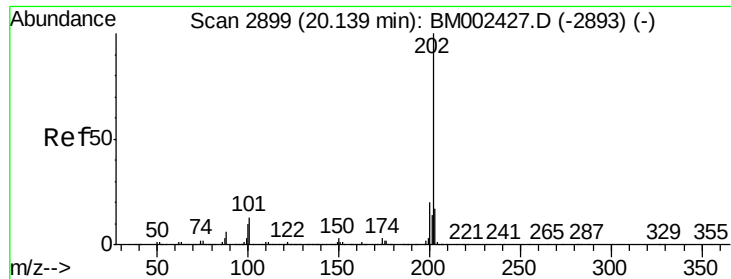


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

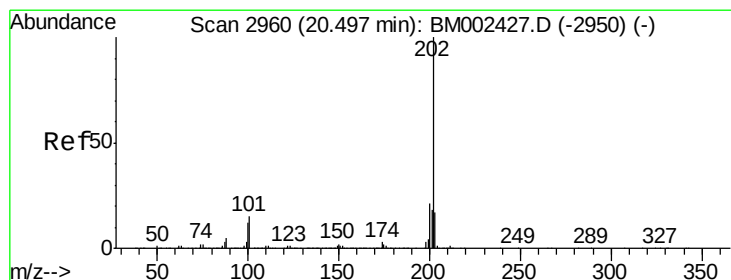
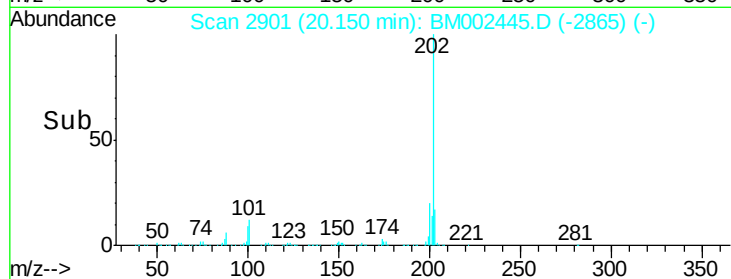
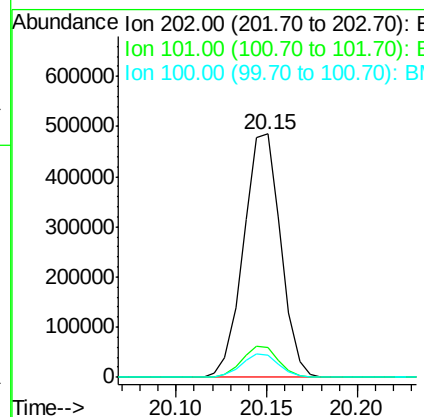
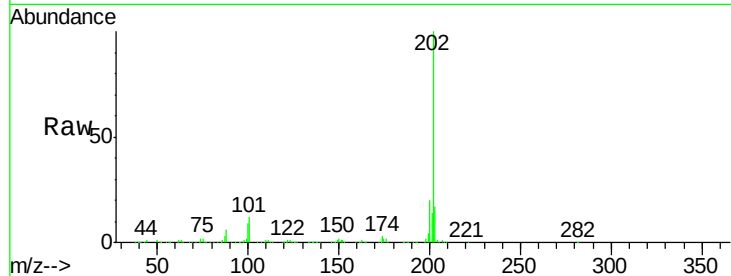




#16
 Fluoranthene
 Concen: 17.26 ng/ul
 RT: 20.15 min Scan# 2901
 Delta R.T. 0.01 min
 Lab File: BM002445.D
 Acq: 17 Aug 2015 10:22

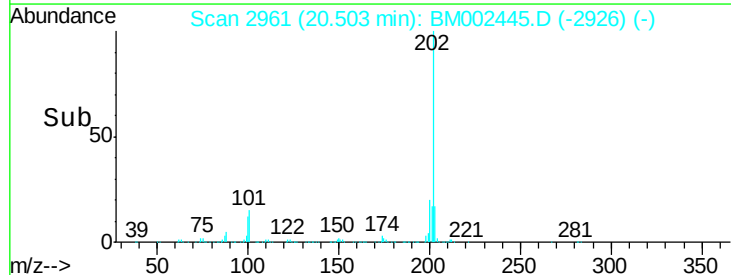
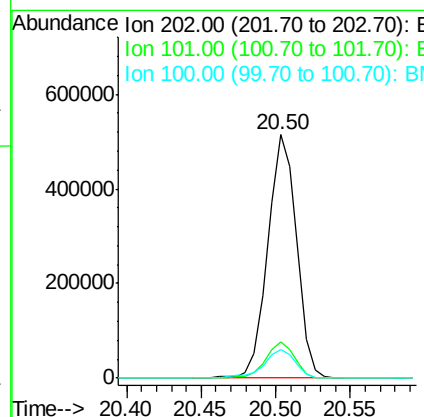
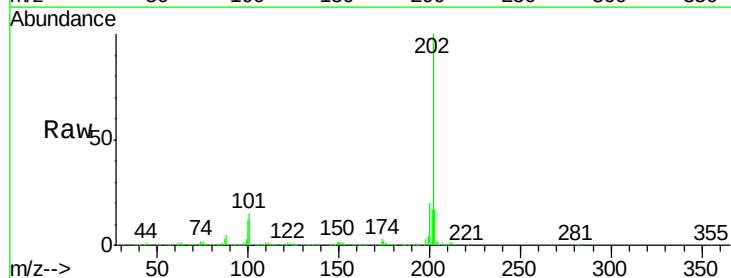
Instrument :
 BNA_M
 ClientSampleId :

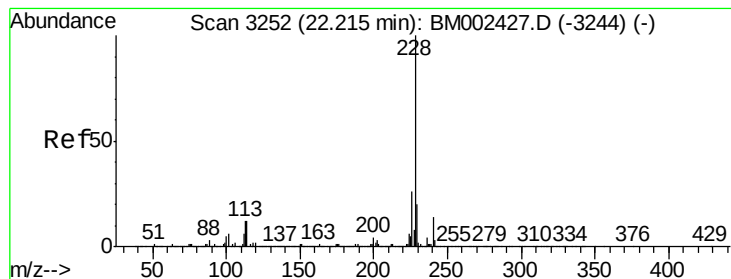
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.7	14.5
100	9.3	7.4	11.2



#19
 Pyrene
 Concen: 25.83 ng/ul
 RT: 20.50 min Scan# 2961
 Delta R.T. 0.01 min
 Lab File: BM002445.D
 Acq: 17 Aug 2015 10:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	12.0	18.0
100	12.0	9.7	14.5





#20

Benzo(a)anthracene

Concen: 19.77 ng/ul

RT: 22.22 min Scan# 3253

Delta R.T. 0.01 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

Instrument :

BNA_M

ClientSampled :

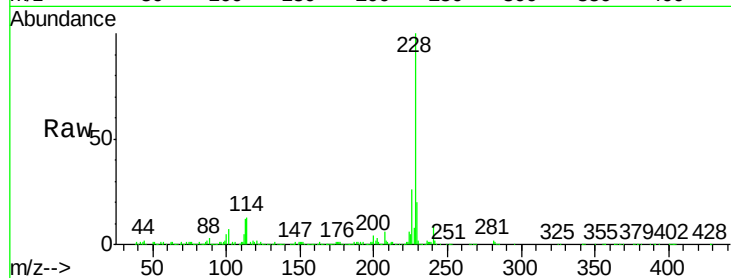
Tot Ion:228 Resp: 534836

Ion Ratio Lower Upper

228 100

229 20.0 15.8 23.6

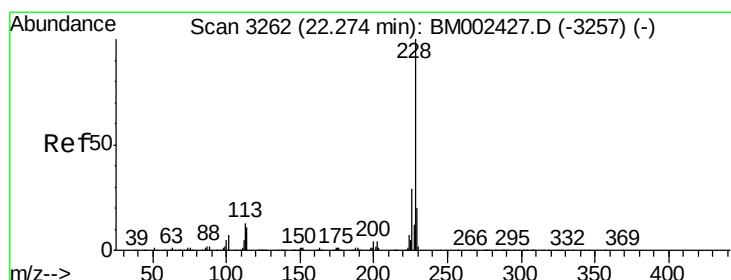
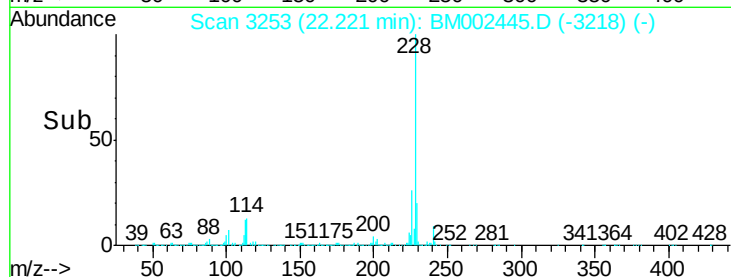
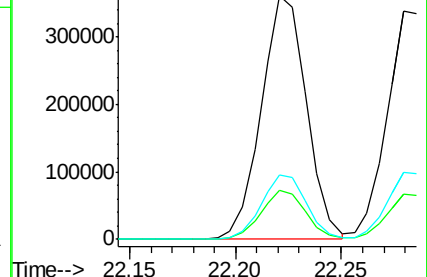
226 26.5 21.1 31.7



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: 19.58 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.01 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

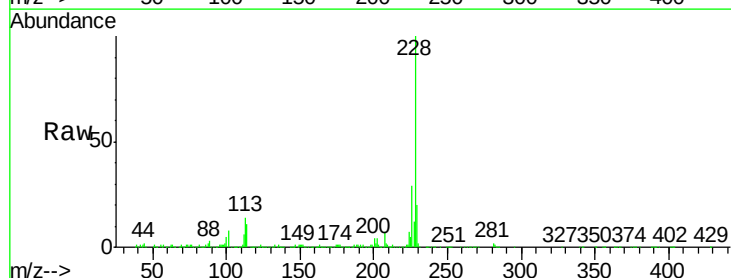
Tgt Ion:228 Resp: 495449

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.2

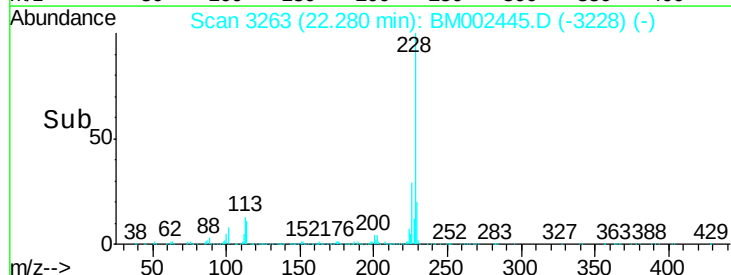
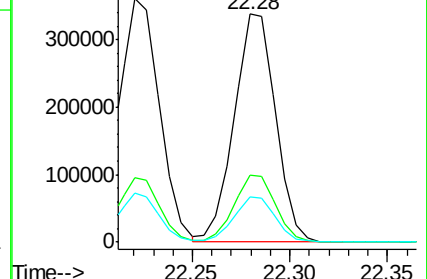
229 19.6 15.7 23.5

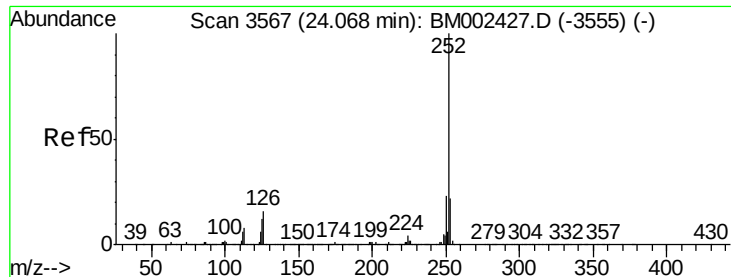


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.86 ng/ul

RT: 24.09 min Scan# 3570

Delta R.T. 0.02 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

Instrument :

BNA_M

ClientSampleId :

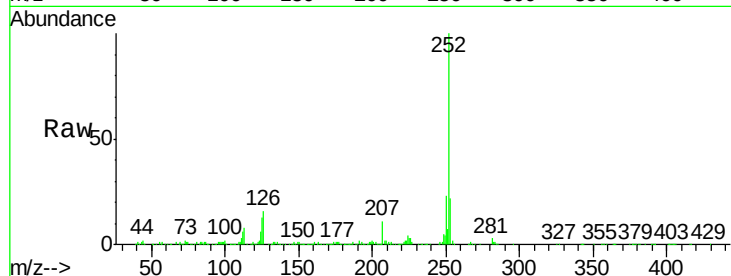
Tot Ion:252 Resp: 474926

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

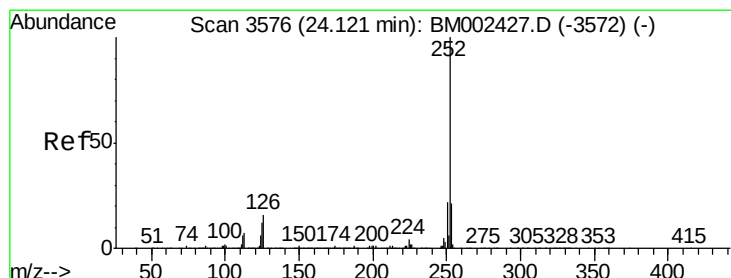
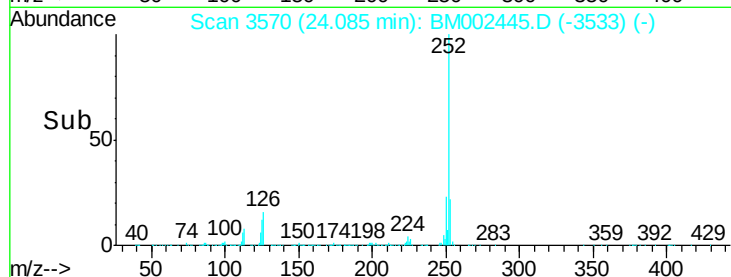
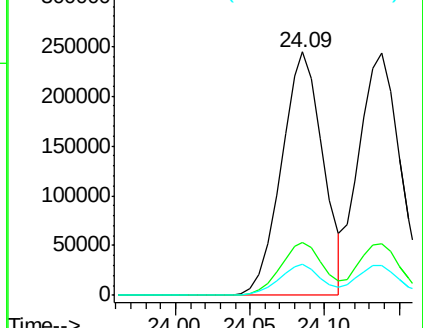
125 12.6 10.0 15.0



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: 20.28 ng/ul

RT: 24.14 min Scan# 3579

Delta R.T. 0.02 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

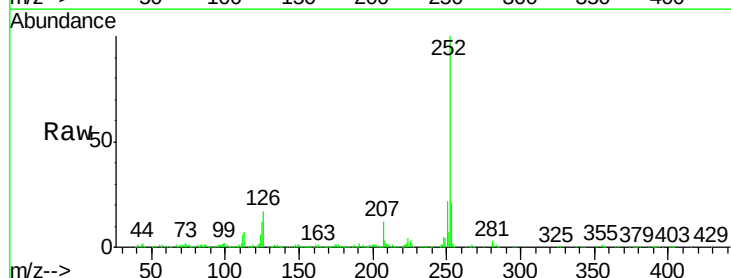
Tgt Ion:252 Resp: 459613

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

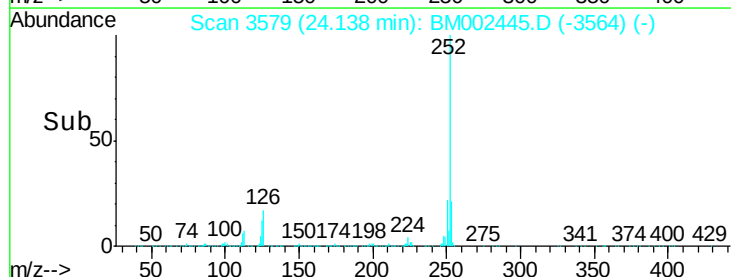
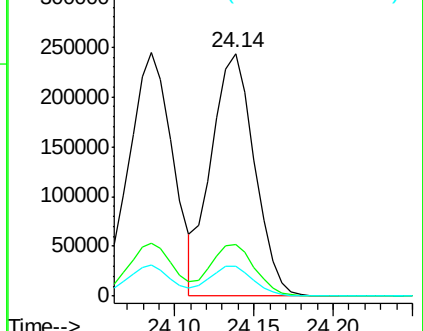
125 12.4 9.8 14.8

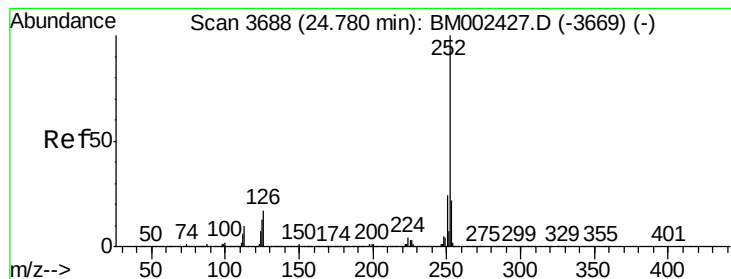


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 19.81 ng/ul

RT: 24.80 min Scan# 3691

Delta R.T. 0.02 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

Instrument :

BNA_M

ClientSampleId :

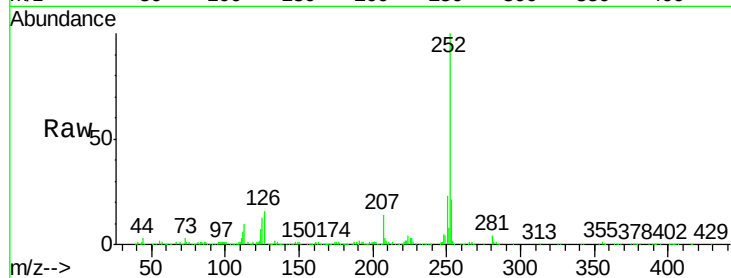
Tot Ion:252 Resp: 452426

Ion Ratio Lower Upper

252 100

253 20.8 17.6 26.4

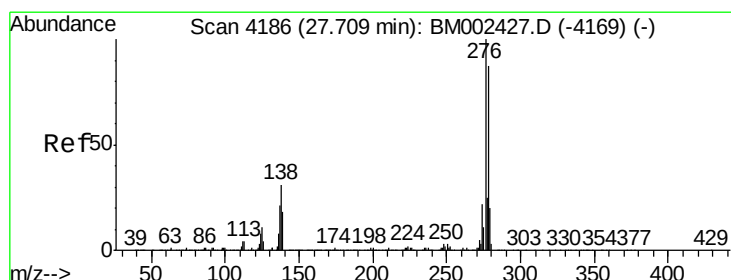
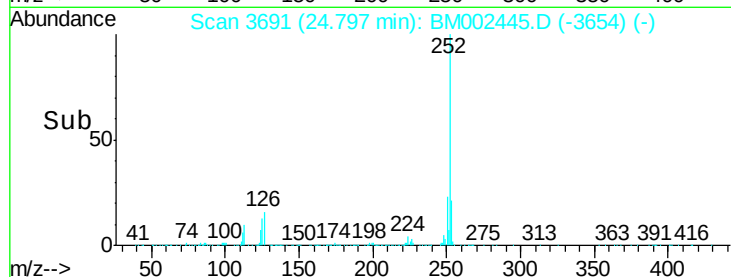
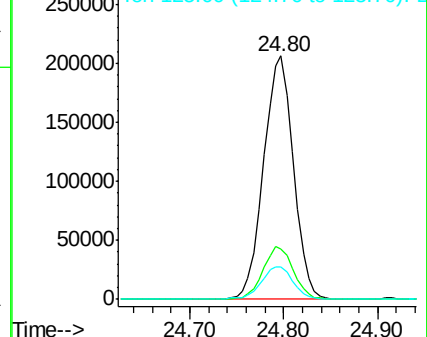
125 13.3 10.7 16.1



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: 19.73 ng/ul

RT: 27.74 min Scan# 4192

Delta R.T. 0.04 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

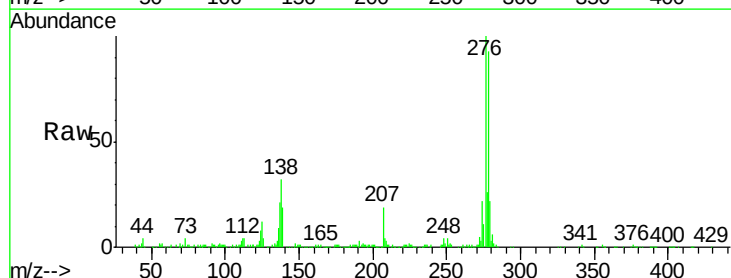
Tgt Ion:276 Resp: 518235

Ion Ratio Lower Upper

276 100

138 32.0 25.3 37.9

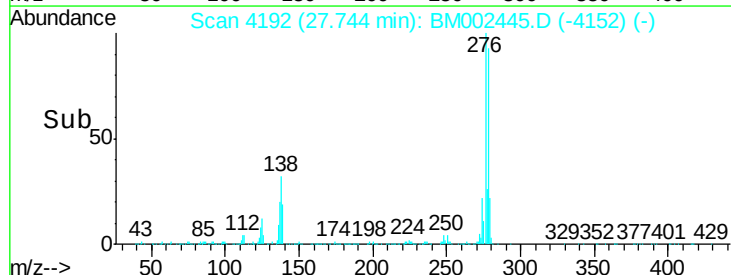
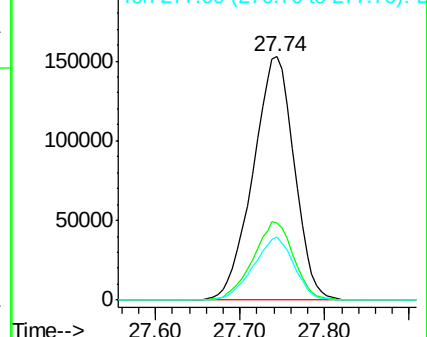
277 25.7 20.2 30.2

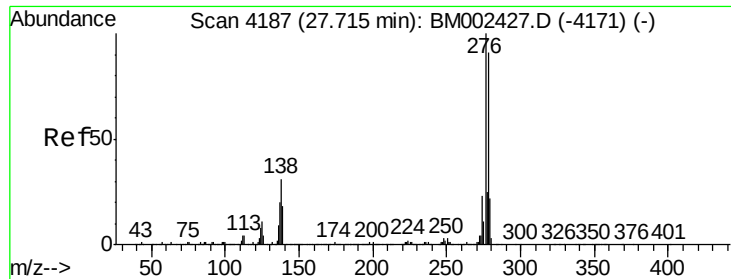


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 19.95 ng/ul

RT: 27.74 min Scan# 4192

Delta R.T. 0.03 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

Instrument :

BNA_M

ClientSampleId :

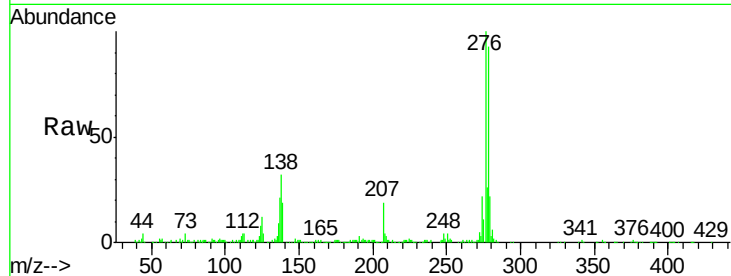
Tot Ion:278 Resp: 438070

Ion Ratio Lower Upper

278 100

139 20.4 16.5 24.7

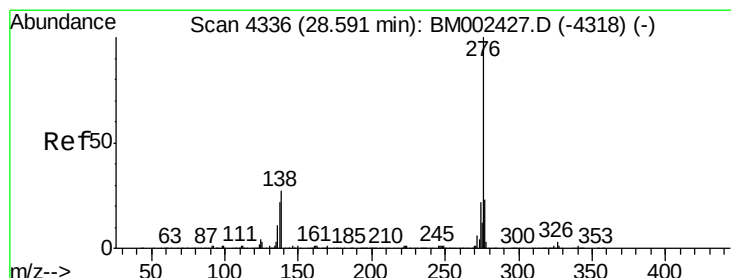
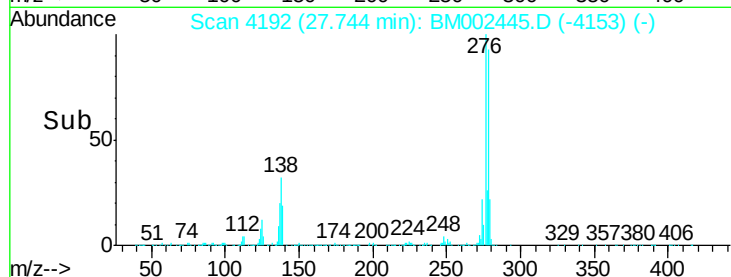
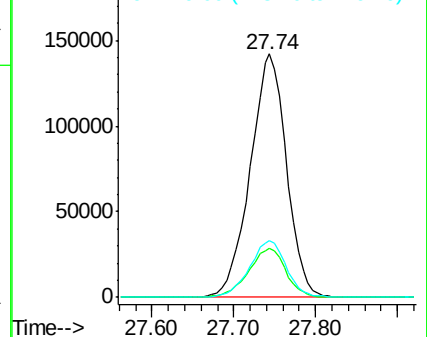
279 23.6 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#29

Benzo(g,h,i)perylene

Concen: 19.86 ng/ul

RT: 28.62 min Scan# 4341

Delta R.T. 0.03 min

Lab File: BM002445.D

Acq: 17 Aug 2015 10:22

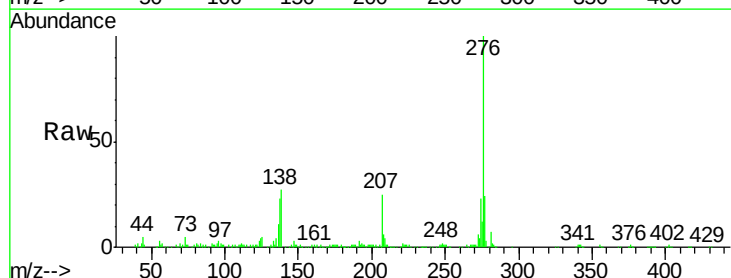
Tgt Ion:276 Resp: 434227

Ion Ratio Lower Upper

276 100

138 27.2 21.0 31.6

277 23.6 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

