

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002427.D
 Acq On : 15 Aug 2015 16:35
 Operator : UM/IZ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02039

Quant Time: Aug 17 02:58:02 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:54:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	124245	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	560719	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	292300	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	601936	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	461772	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	374618	20.00	ng/ul	0.02

System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	599155	20.05	ng/ul	0.00
10) Fluorene-d10	16.42	176	407632	19.42	ng/ul	0.00
14) Anthracene-d10	18.25	188	574949	19.80	ng/ul	0.00
18) Pyrene-d10	20.47	212	524003	25.60	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.72	264	390574	19.85	ng/ul	0.01

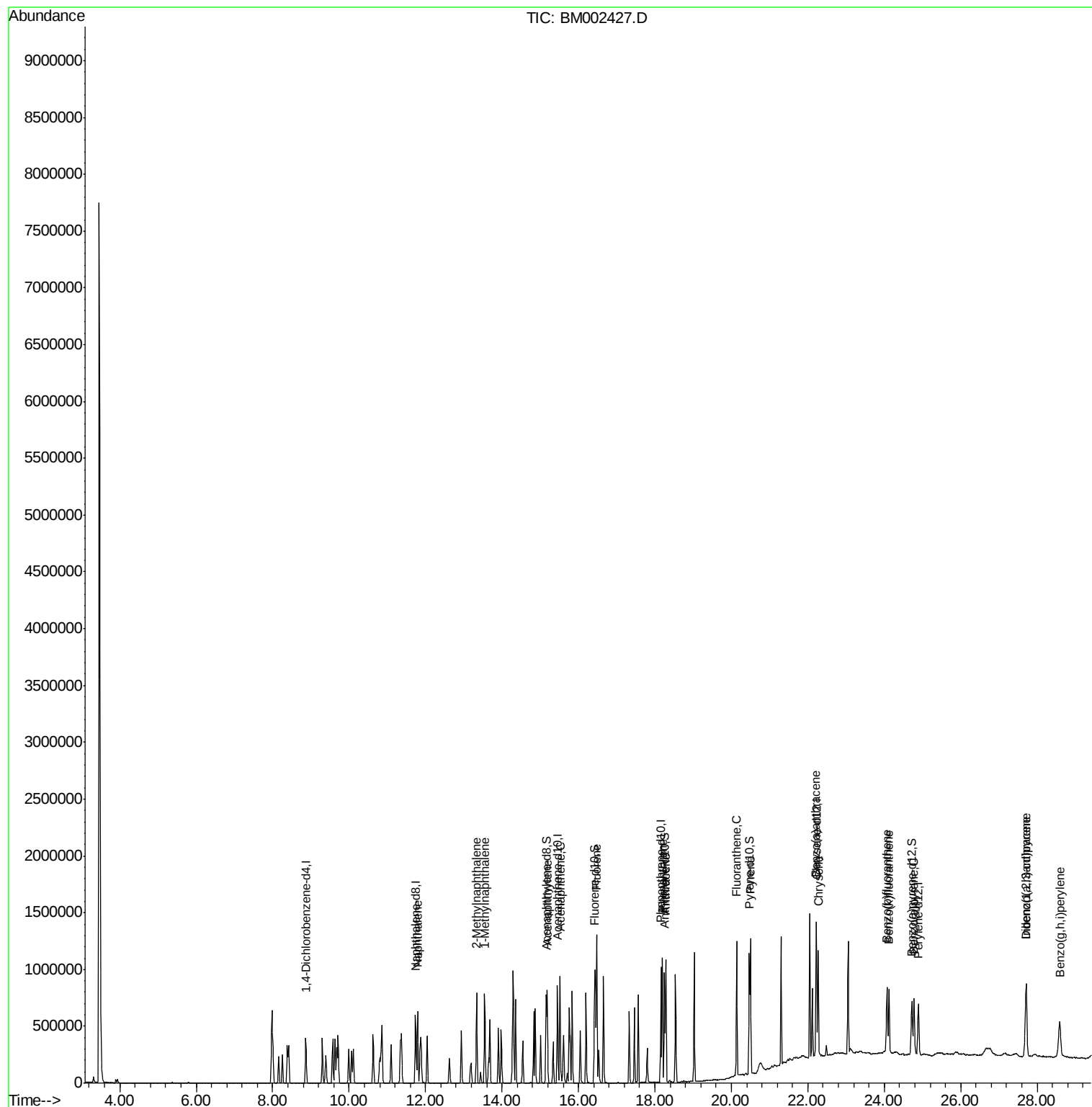
Target Compounds				Ovalue		
3) Naphthalene	11.79	128	562086	19.64	ng/ul	100
4) 2-Methylnaphthalene	13.33	142	402206	18.76	ng/ul	98
5) 1-Methylnaphthalene	13.54	142	394738	18.61	ng/ul	100
8) Acenaphthylene	15.19	152	620004	19.82	ng/ul	100
9) Acenaphthene	15.52	153	407429	19.77	ng/ul	99
11) Fluorene	16.47	166	454969	19.27	ng/ul	100
13) Phenanthrene	18.20	178	681111	19.60	ng/ul	100
15) Anthracene	18.29	178	691802	19.64	ng/ul	99
16) Fluoranthene	20.14	202	691497	17.57	ng/ul	99
19) Pyrene	20.50	202	691428	25.56	ng/ul	99
20) Benzo(a)anthracene	22.21	228	544318	19.71	ng/ul	100
21) Chrysene	22.27	228	505425	19.57	ng/ul	100
23) Benzo(b)fluoranthene	24.07	252	467633	20.65	ng/ul	99
24) Benzo(k)fluoranthene	24.12	252	433946	20.22	ng/ul	99
26) Benzo(a)pyrene	24.78	252	426763	19.73	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.71	276	483669	19.44	ng/ul	100
28) Dibenzo(a,h)anthracene	27.71	278	409098	19.67	ng/ul	99
29) Benzo(g,h,i)perylene	28.59	276	407255	19.67	ng/ul	99

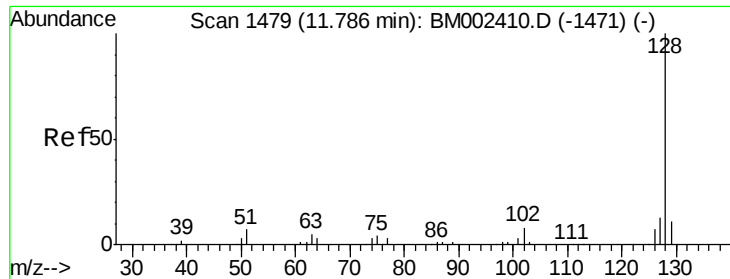
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.64 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

Instrument :

BNA_M

ClientSampleId :

SSTD02039

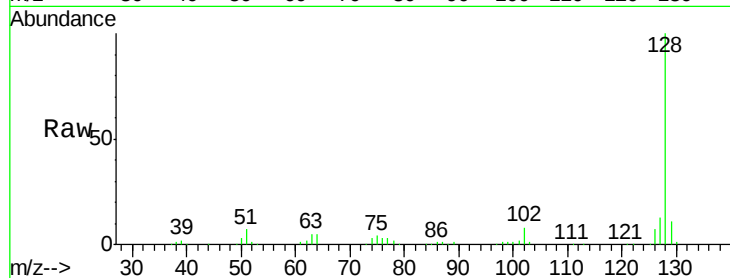
Tot Ion:128 Resp: 562086

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

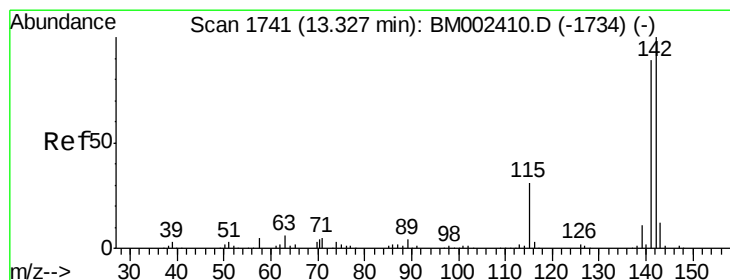
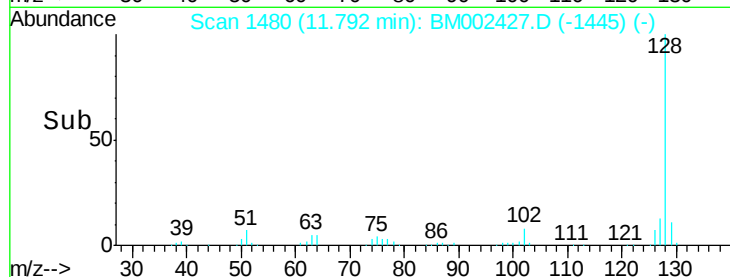
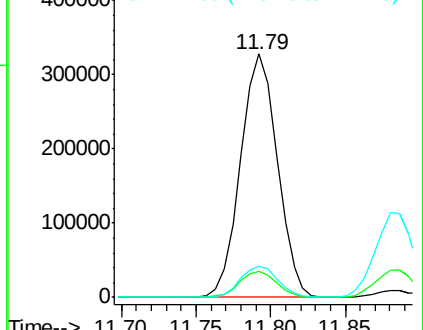
127 12.9 10.4 15.6



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: 18.76 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. 0.01 min

Lab File: BM002427.D

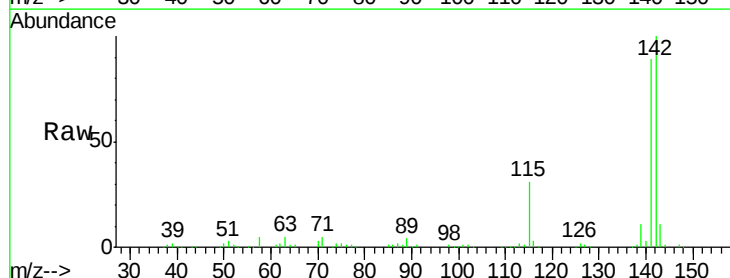
Acq: 15 Aug 2015 16:35

Tgt Ion:142 Resp: 402206

Ion Ratio Lower Upper

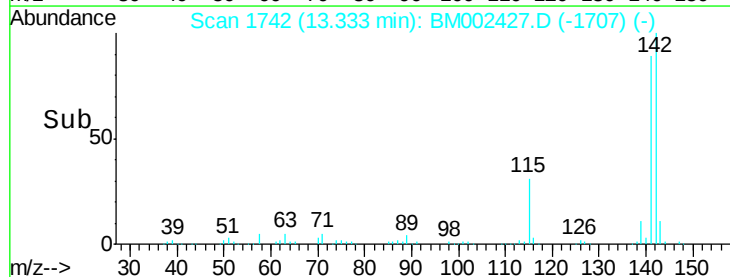
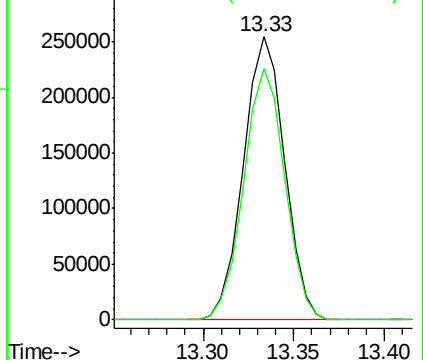
142 100

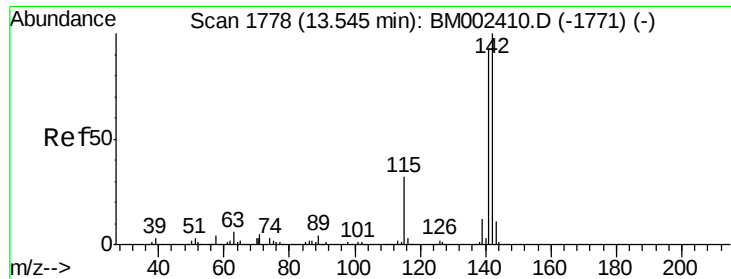
141 88.6 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 18.61 ng/ul

RT: 13.54 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

Instrument :

BNA_M

ClientSampleId :

SSTD02039

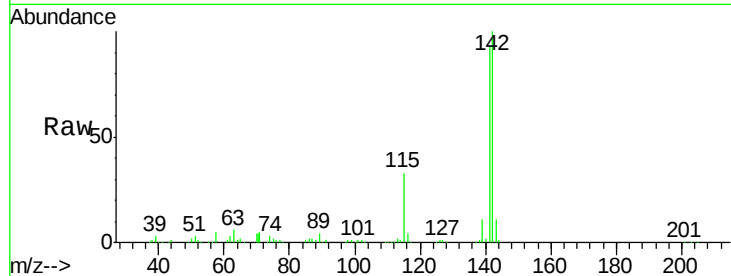
Tot Ion:142 Resp: 394738

Ion Ratio Lower Upper

142 100

141 92.8 73.9 110.9

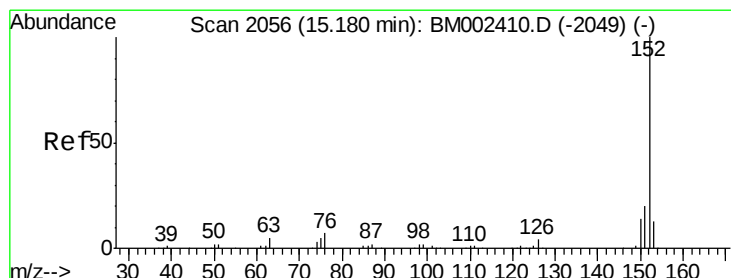
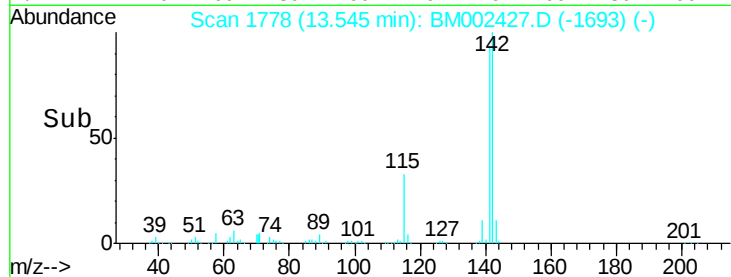
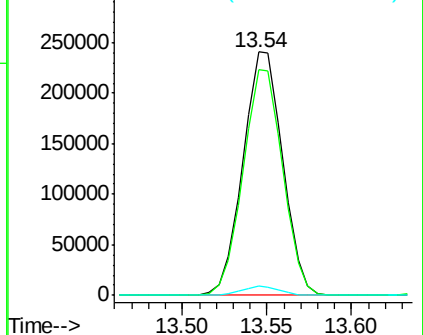
116 3.6 3.0 4.4



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: 19.82 ng/ul

RT: 15.19 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

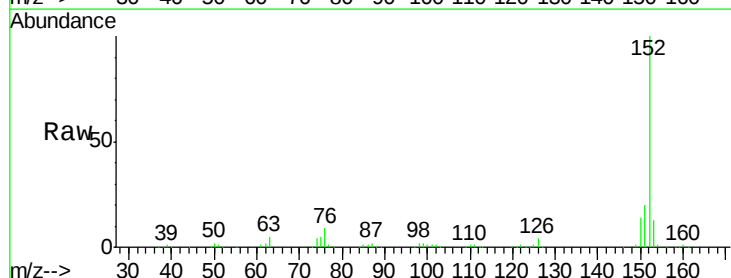
Tgt Ion:152 Resp: 620004

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

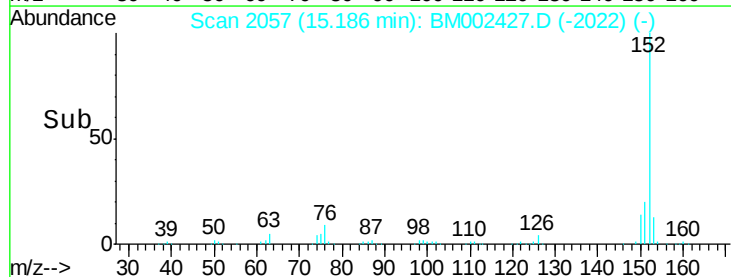
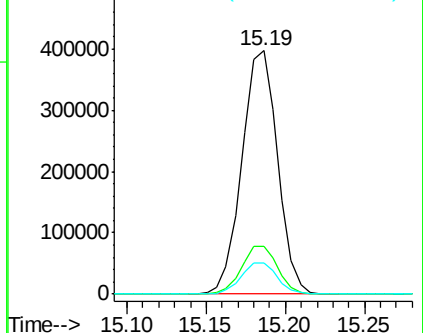
153 12.9 10.2 15.4

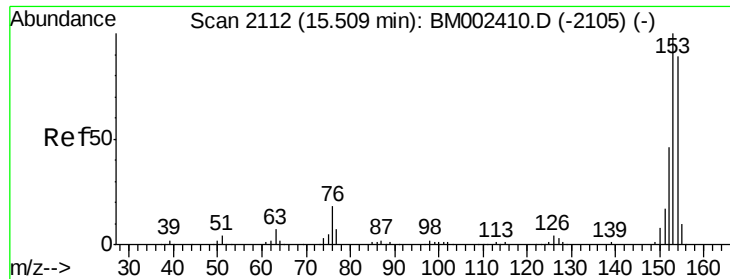


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.77 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

Instrument :

BNA_M

ClientSampleId :

SSTD02039

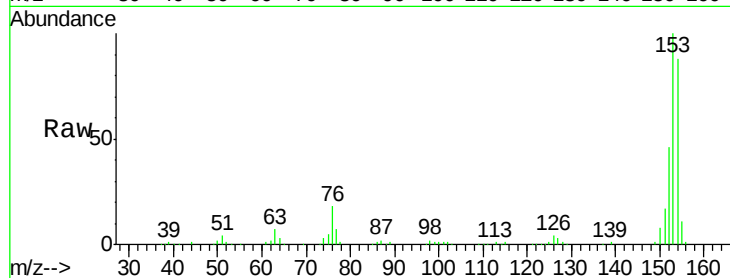
Tot Ion:153 Resp: 407429

Ion Ratio Lower Upper

153 100

152 46.5 36.9 55.3

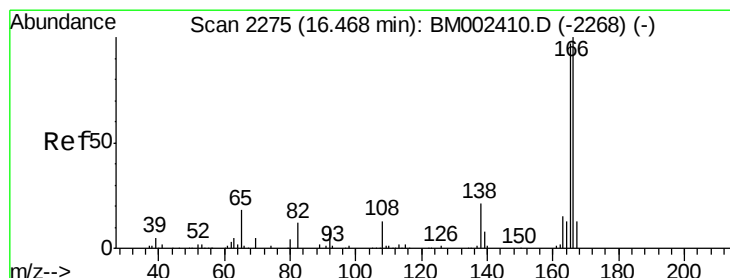
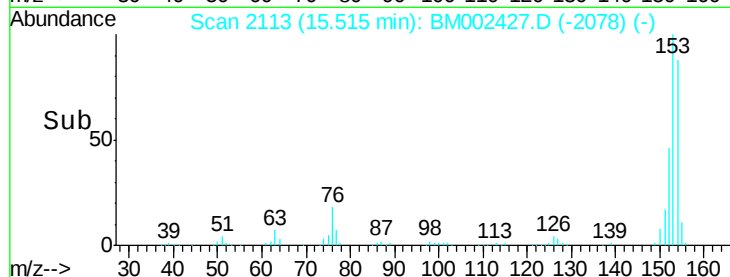
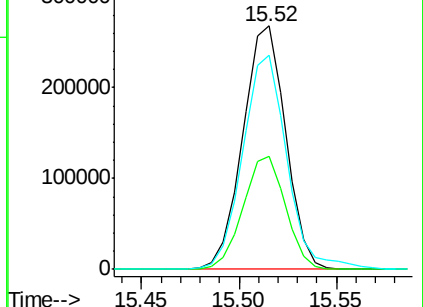
154 87.9 71.3 106.9



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: 19.27 ng/ul

RT: 16.47 min Scan# 2276

Delta R.T. 0.01 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

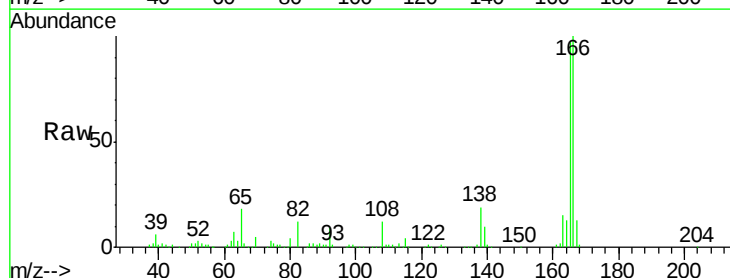
Tgt Ion:166 Resp: 454969

Ion Ratio Lower Upper

166 100

165 97.0 77.6 116.4

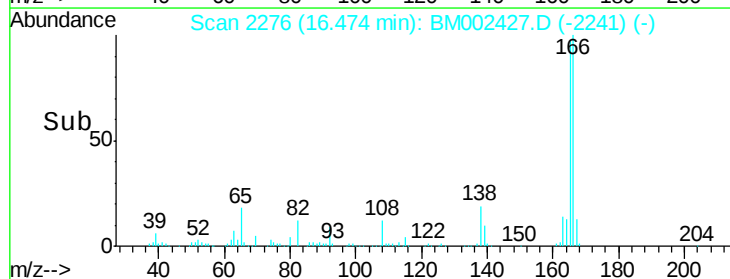
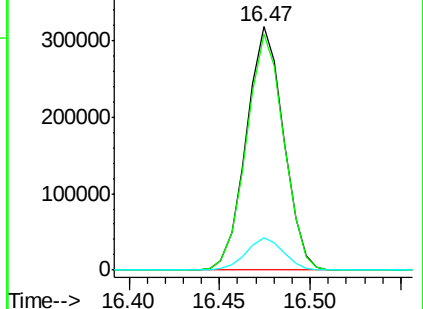
167 13.2 10.7 16.1

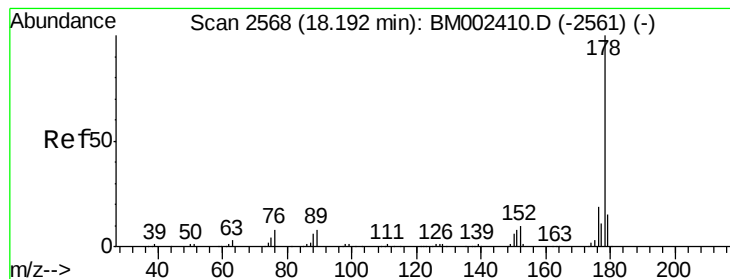


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.60 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. 0.01 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

Instrument :

BNA_M

ClientSampleId :

SSTD02039

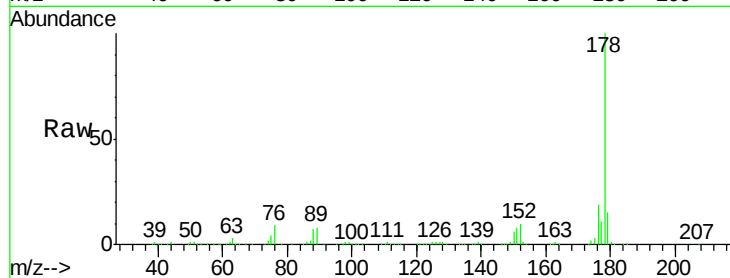
Tot Ion:178 Resp: 681111

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

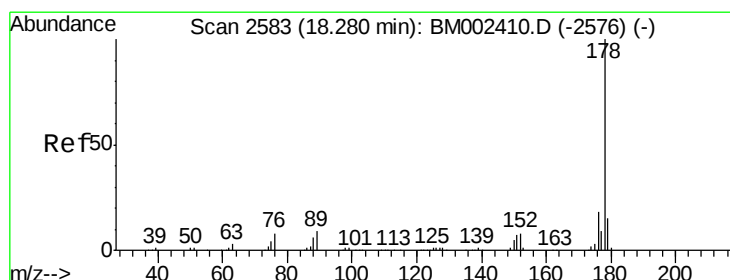
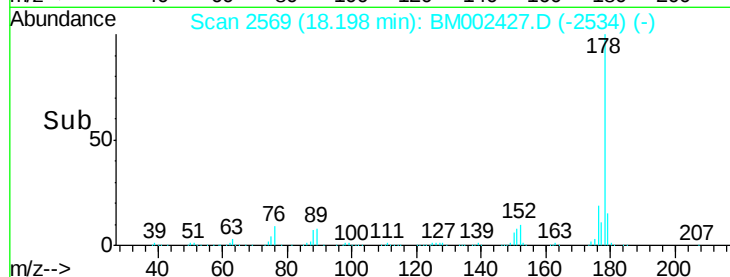
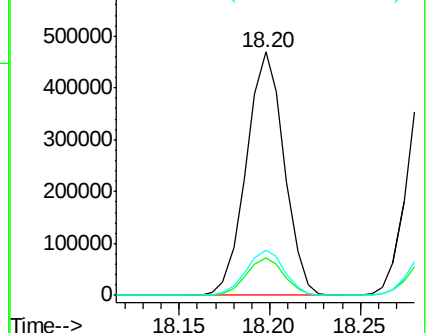
176 18.6 15.1 22.7



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: 19.64 ng/ul

RT: 18.29 min Scan# 2584

Delta R.T. 0.01 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

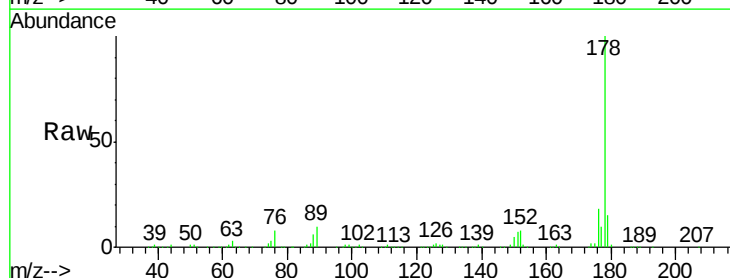
Tgt Ion:178 Resp: 691802

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

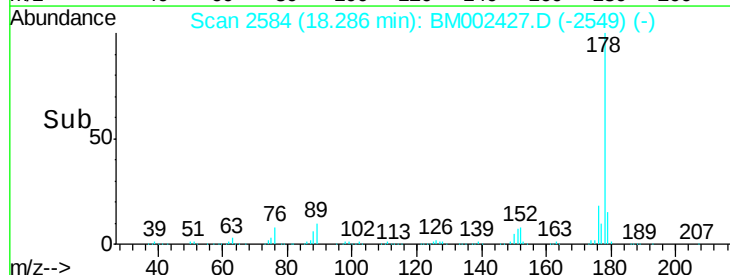
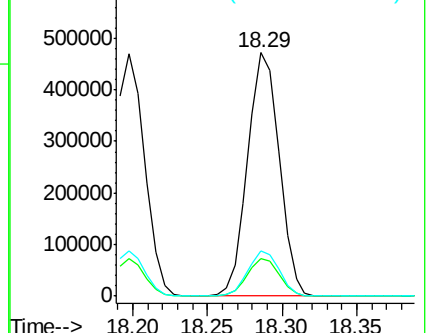
176 18.5 14.5 21.7

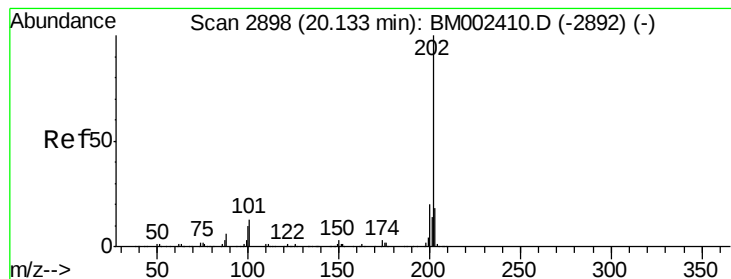


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 17.57 ng/ul

RT: 20.14 min Scan# 2899

Delta R.T. 0.01 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

Instrument :

BNA_M

ClientSampleId :

SSTD02039

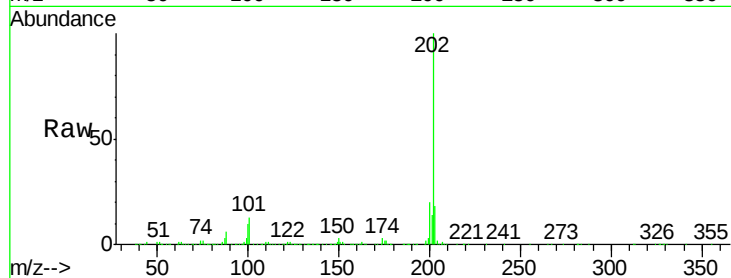
Tot Ion:202 Resp: 691497

Ion Ratio Lower Upper

202 100

101 12.8 9.7 14.5

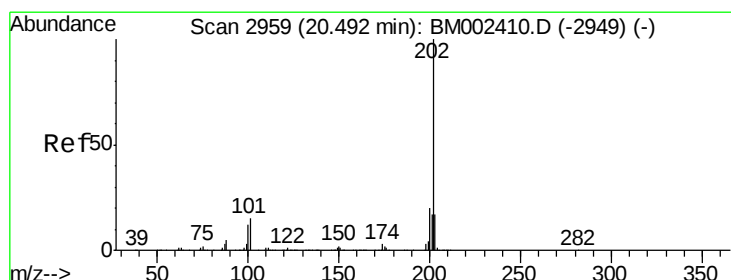
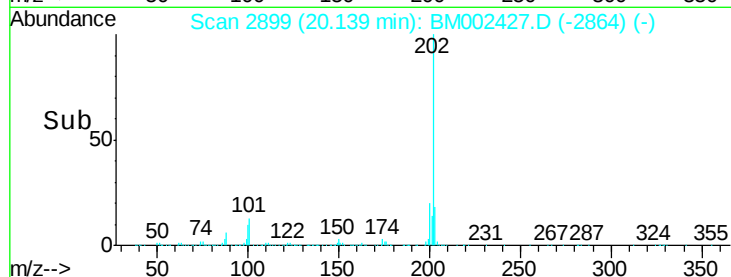
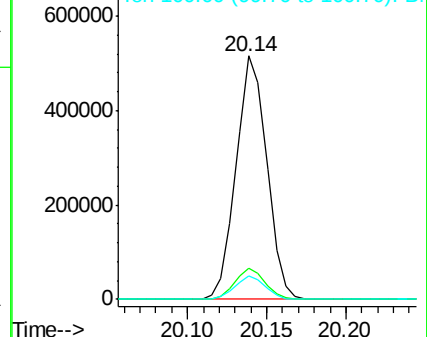
100 9.6 7.4 11.2



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

Pyrene

Concen: 25.56 ng/ul

RT: 20.50 min Scan# 2960

Delta R.T. 0.01 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

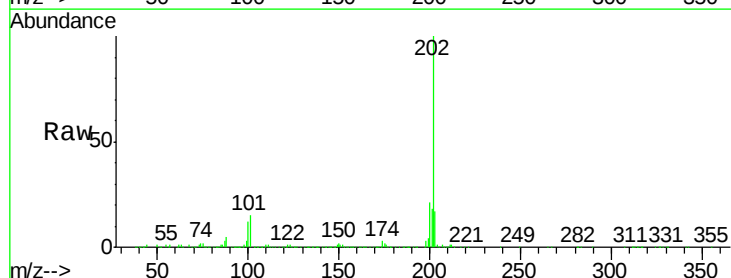
Tgt Ion:202 Resp: 691428

Ion Ratio Lower Upper

202 100

101 14.7 12.0 18.0

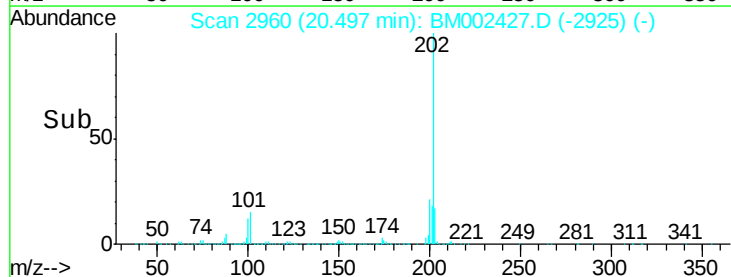
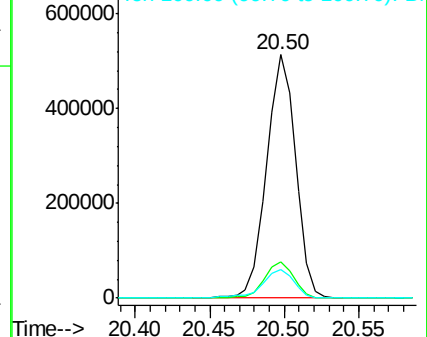
100 11.9 9.7 14.5

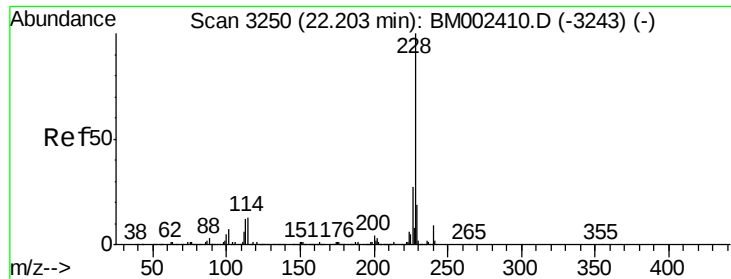


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 19.71 ng/ul

RT: 22.21 min Scan# 3252

Delta R.T. 0.01 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

Instrument :

BNA_M

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SSTD02039

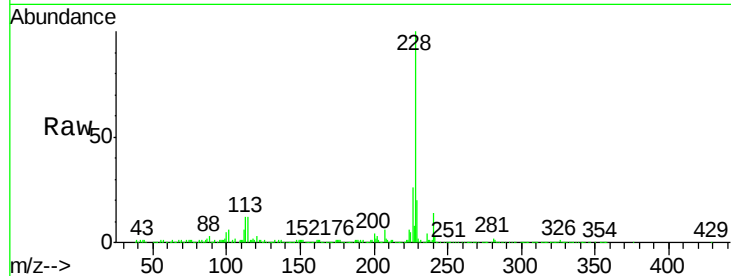
Tot Ion:228 Resp: 544318

Ion Ratio Lower Upper

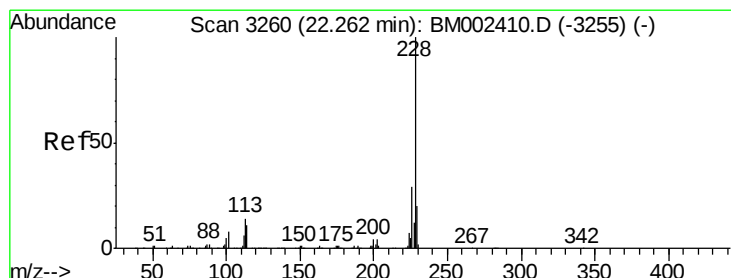
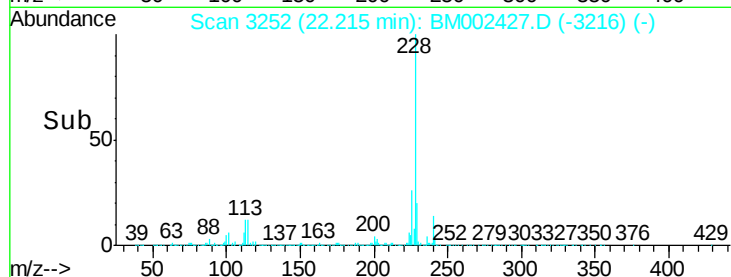
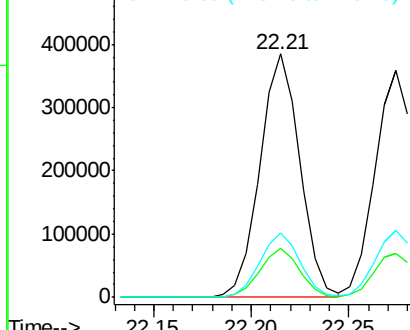
228 100

229 19.9 15.8 23.6

226 26.3 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: 19.57 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. 0.01 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

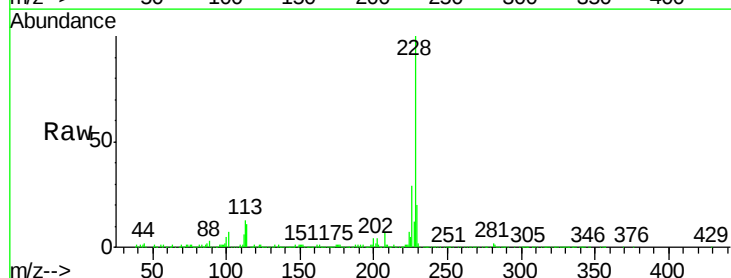
Tgt Ion:228 Resp: 505425

Ion Ratio Lower Upper

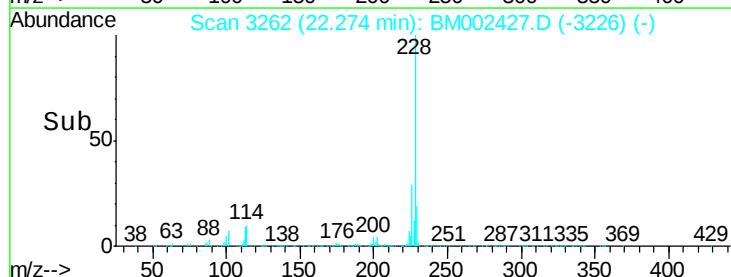
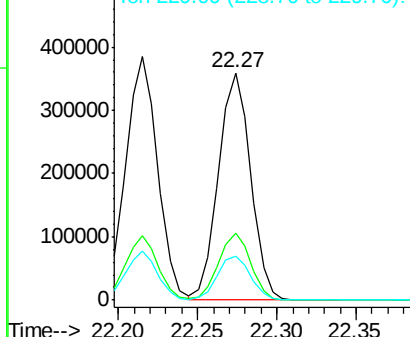
228 100

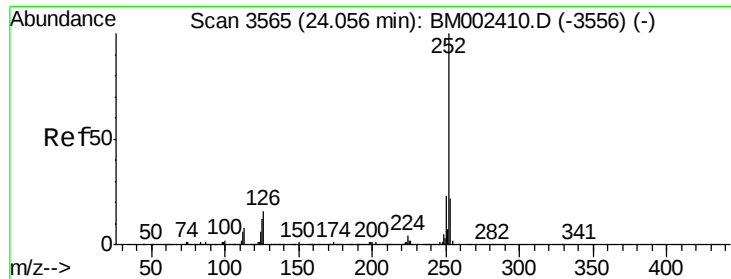
226 29.2 23.4 35.2

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

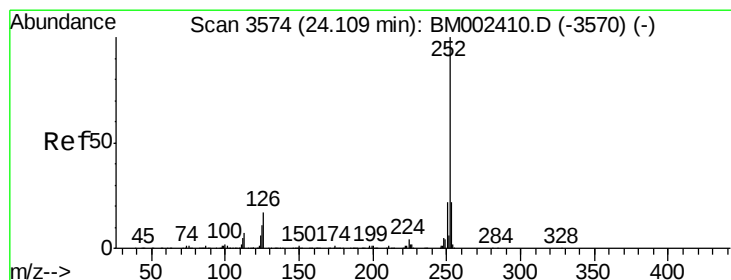
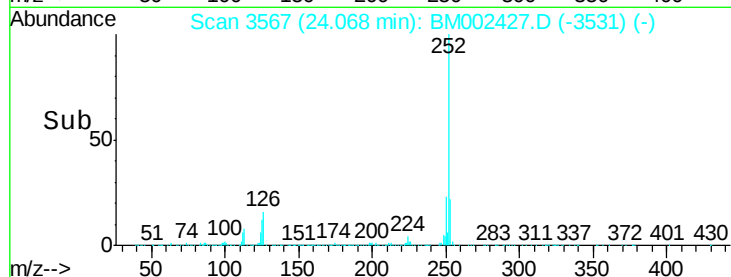
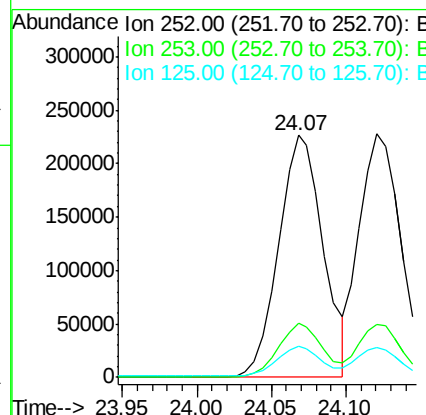
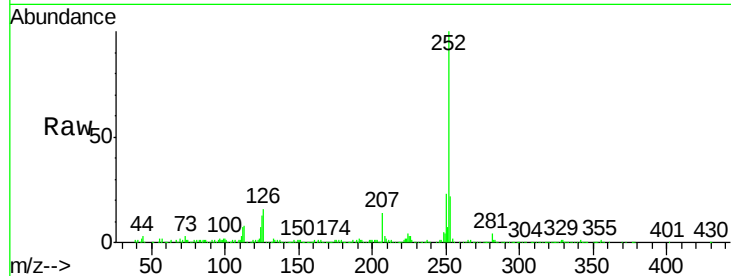




#23
Benzo(b)fluoranthene
Concen: 20.65 ng/ul
RT: 24.07 min Scan# 3567
Delta R.T. 0.01 min
Lab File: BM002427.D
Acq: 15 Aug 2015 16:35

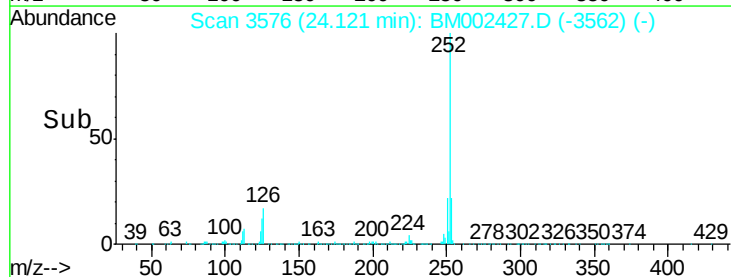
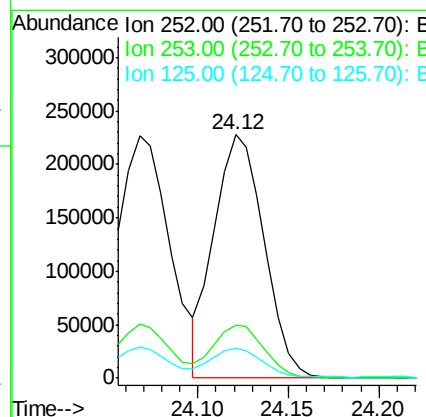
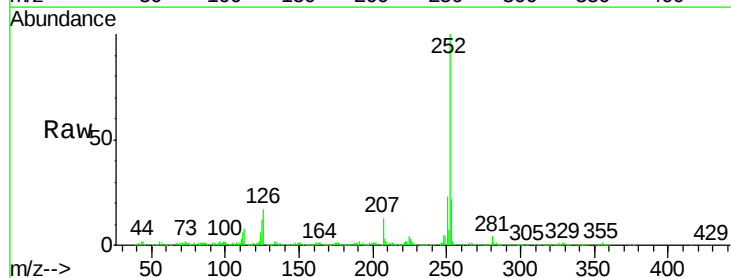
Instrument :
BNA_M
ClientSampleId :
SSTD02039

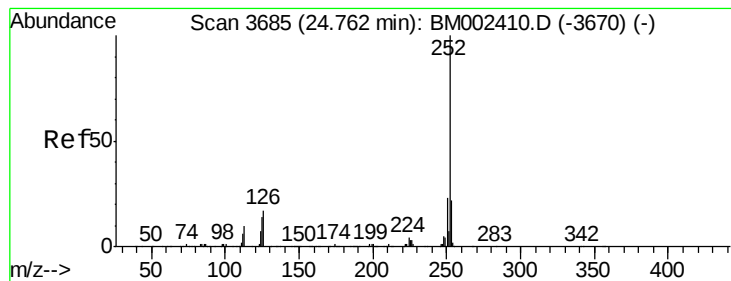
Tot Ion:252 Resp: 467633
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 13.0 10.0 15.0



#24
Benzo(k)fluoranthene
Concen: 20.22 ng/ul
RT: 24.12 min Scan# 3576
Delta R.T. 0.01 min
Lab File: BM002427.D
Acq: 15 Aug 2015 16:35

Tgt Ion:252 Resp: 433946
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 12.4 9.8 14.8





#26

Benzo(a)pyrene

Concen: 19.73 ng/ul

RT: 24.78 min Scan# 3688

Delta R.T. 0.02 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

Instrument :

BNA_M

ClientSampleId :

SSTD02039

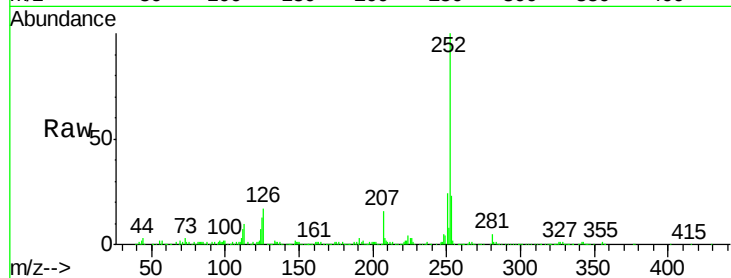
Tot Ion:252 Resp: 426763

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 13.5 10.7 16.1

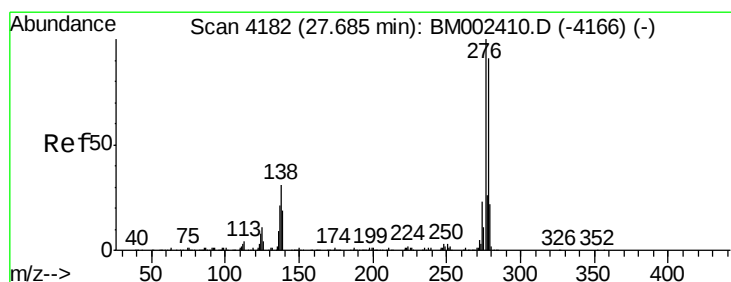
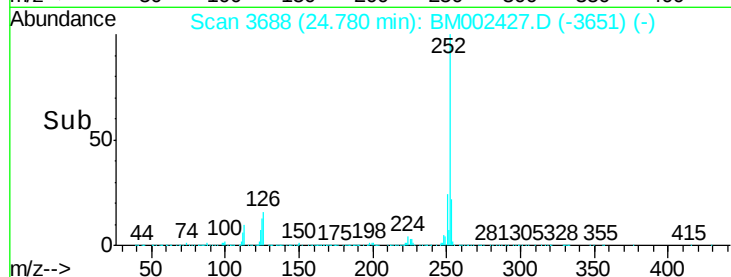
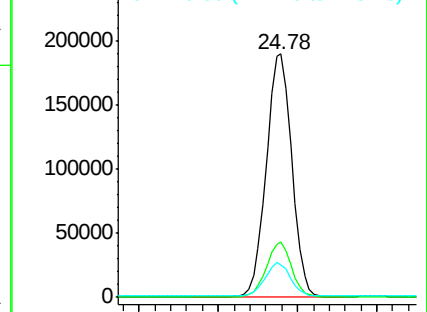


Abundance

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: 19.44 ng/ul

RT: 27.71 min Scan# 4186

Delta R.T. 0.02 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

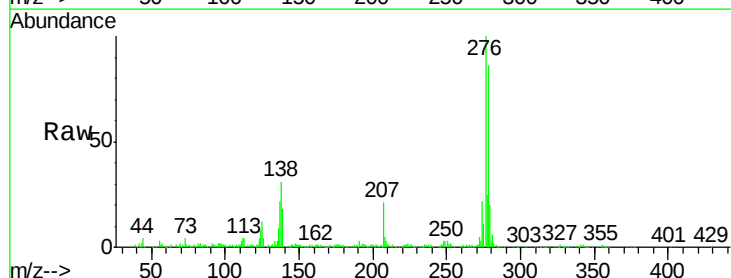
Tgt Ion:276 Resp: 483669

Ion Ratio Lower Upper

276 100

138 31.4 25.3 37.9

277 24.9 20.2 30.2

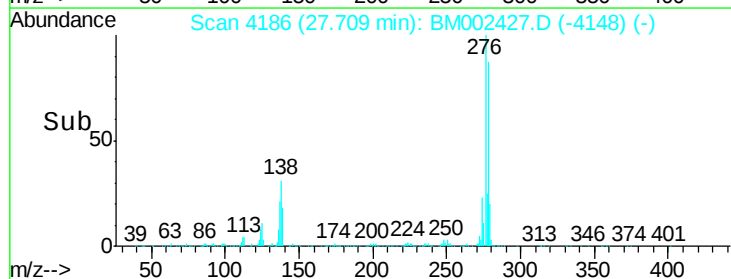
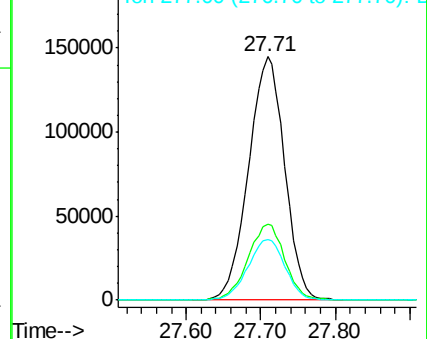


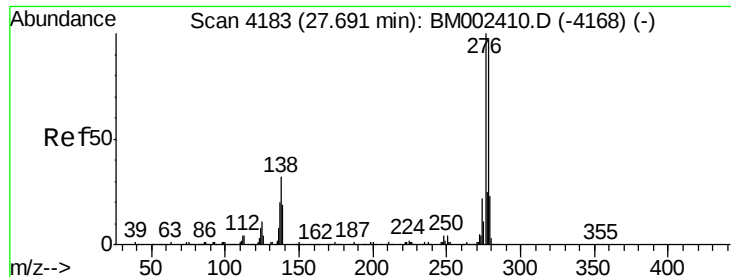
Abundance

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: 19.67 ng/ul

RT: 27.71 min Scan# 4187

Delta R.T. 0.02 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

Instrument :

BNA_M

ClientSampleId :

SSTD02039

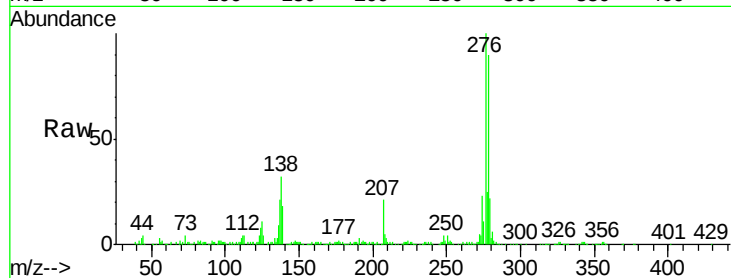
Tot Ion:278 Resp: 409098

Ion Ratio Lower Upper

278 100

139 19.9 16.5 24.7

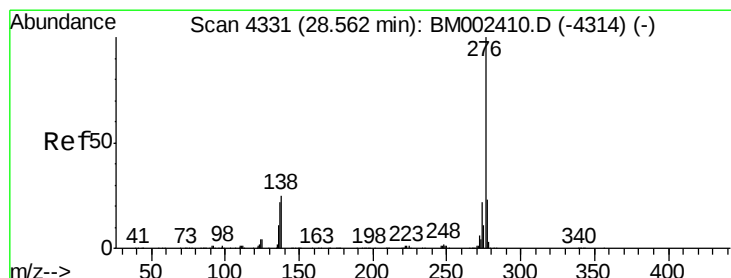
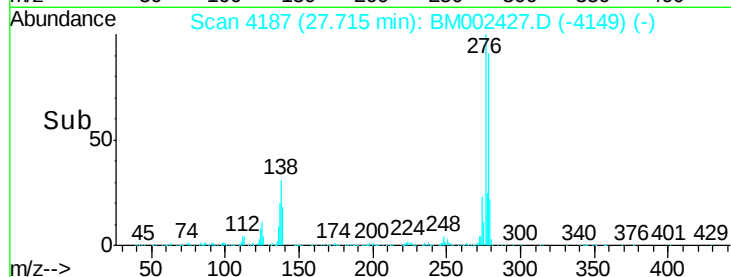
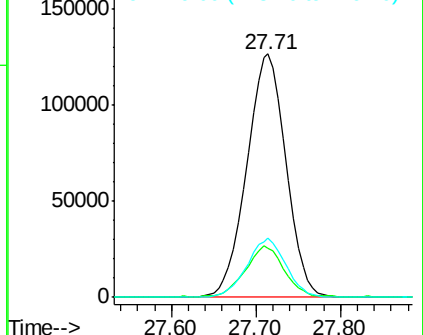
279 24.1 18.8 28.2



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: 19.67 ng/ul

RT: 28.59 min Scan# 4336

Delta R.T. 0.03 min

Lab File: BM002427.D

Acq: 15 Aug 2015 16:35

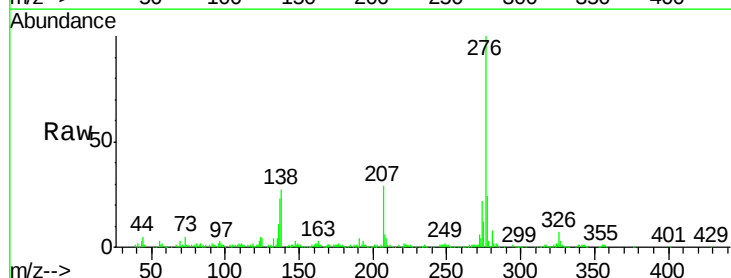
Tgt Ion:276 Resp: 407255

Ion Ratio Lower Upper

276 100

138 26.8 21.0 31.6

277 23.5 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

