

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002443.D
 Acq On : 16 Aug 2015 02:18
 Operator : UM/IZ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02040

Quant Time: Aug 17 07:26:42 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	129083	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	577781	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	294565	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	576189	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	393189	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	363308	20.00	ng/ul	0.01

System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	602917	20.02	ng/ul	0.00
10) Fluorene-d10	16.43	176	402500	19.03	ng/ul	0.00
14) Anthracene-d10	18.26	188	548770	19.74	ng/ul	0.01
18) Pyrene-d10	20.47	212	452164	25.94	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	377842	19.80	ng/ul	0.02

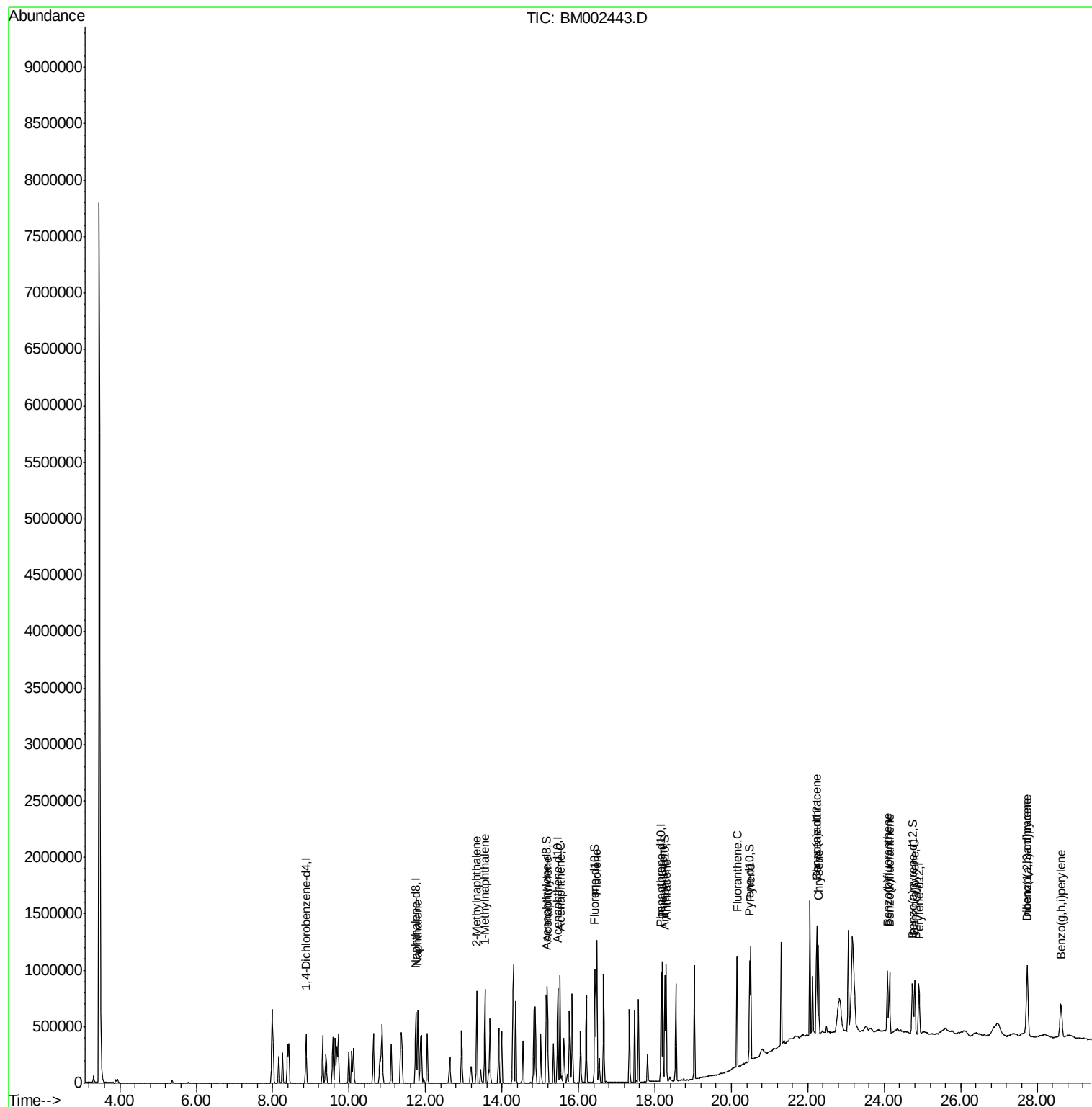
Target Compounds				Ovalue		
3) Naphthalene	11.80	128	580366	19.68	ng/ul	99
4) 2-Methylnaphthalene	13.34	142	408843	18.51	ng/ul	98
5) 1-Methylnaphthalene	13.55	142	403356	18.46	ng/ul	100
8) Acenaphthylene	15.19	152	630137	19.99	ng/ul	100
9) Acenaphthene	15.52	153	410073	19.75	ng/ul	99
11) Fluorene	16.48	166	454896	19.12	ng/ul	99
13) Phenanthrene	18.20	178	653018	19.63	ng/ul	100
15) Anthracene	18.29	178	666615	19.77	ng/ul	99
16) Fluoranthene	20.15	202	608003	16.14	ng/ul	99
19) Pyrene	20.50	202	594842	25.82	ng/ul	99
20) Benzo(a)anthracene	22.22	228	465129	19.78	ng/ul	99
21) Chrysene	22.28	228	434010	19.73	ng/ul	99
23) Benzo(b)fluoranthene	24.09	252	431020	19.62	ng/ul	99
24) Benzo(k)fluoranthene	24.14	252	414852	19.93	ng/ul	99
26) Benzo(a)pyrene	24.80	252	415340	19.80	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.74	276	488351	20.24	ng/ul	99
28) Dibenzo(a,h)anthracene	27.74	278	410783	20.37	ng/ul	99
29) Benzo(g,h,i)perylene	28.62	276	404671	20.15	ng/ul	99

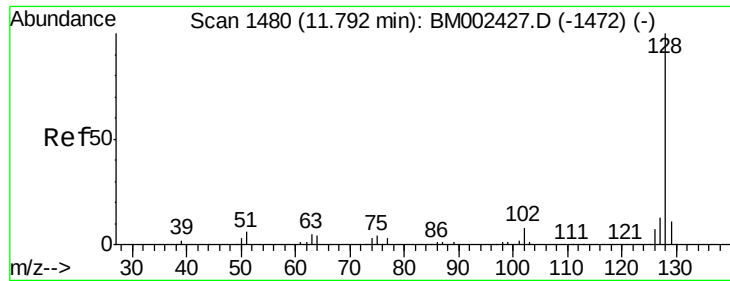
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.68 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

Instrument :

BNA_M

ClientSampleId :

SSTD02040

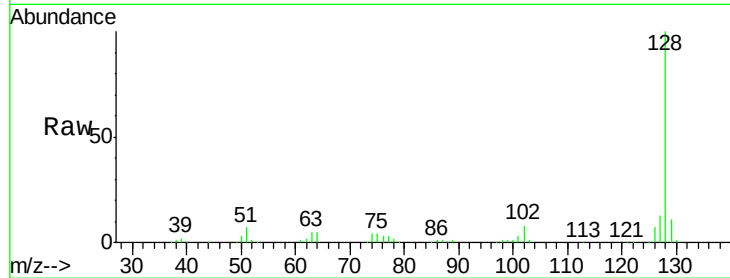
Tot Ion:128 Resp: 580366

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

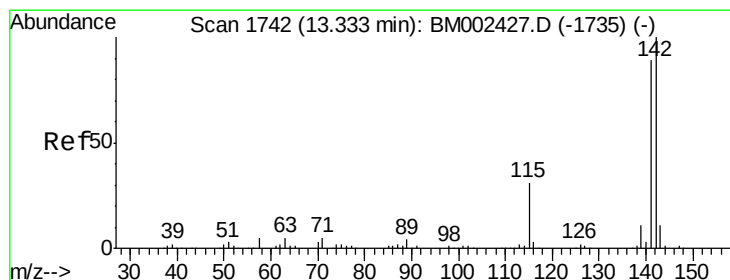
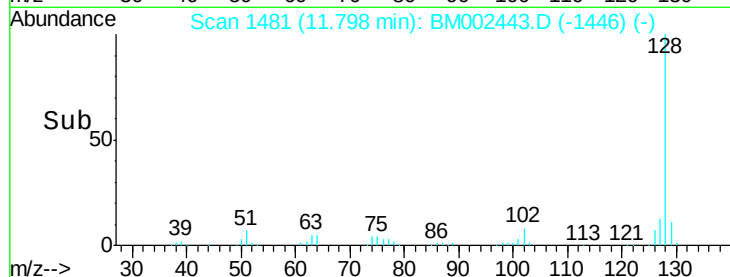
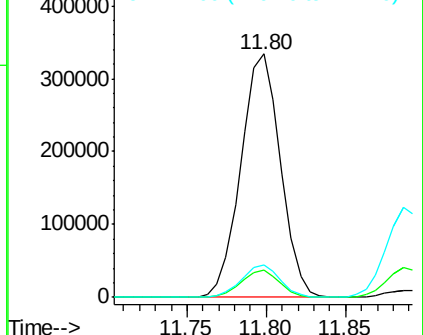
127 13.1 10.4 15.6



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: 18.51 ng/ul

RT: 13.34 min Scan# 1743

Delta R.T. 0.01 min

Lab File: BM002443.D

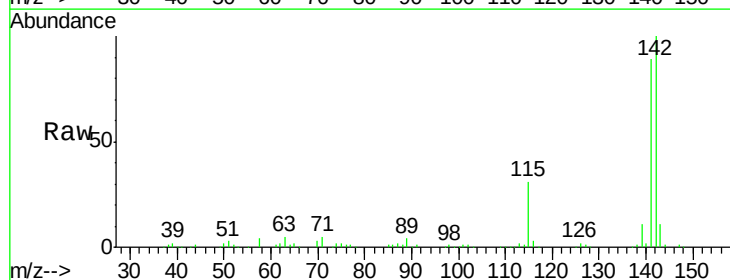
Acq: 16 Aug 2015 02:18

Tgt Ion:142 Resp: 408843

Ion Ratio Lower Upper

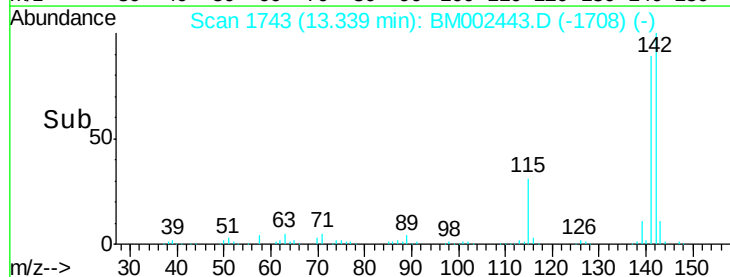
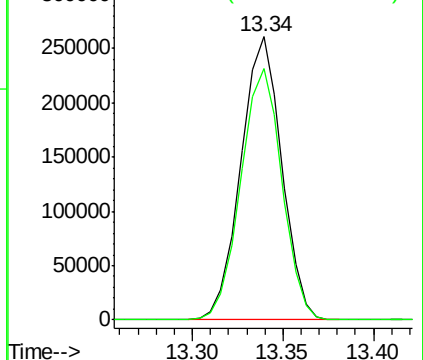
142 100

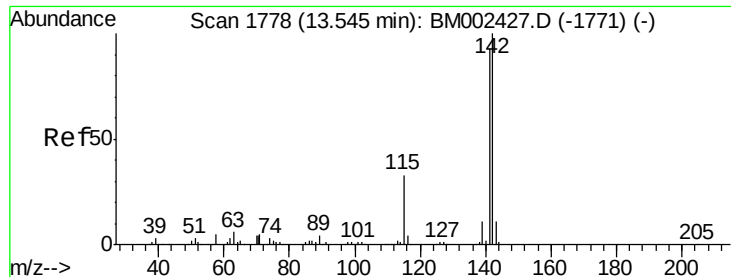
141 88.7 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 18.46 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

Instrument :

BNA_M

ClientSampleId :

SSTD02040

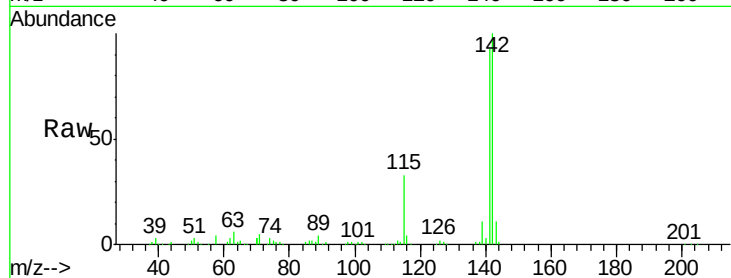
Tot Ion:142 Resp: 403356

Ion Ratio Lower Upper

142 100

141 92.7 73.9 110.9

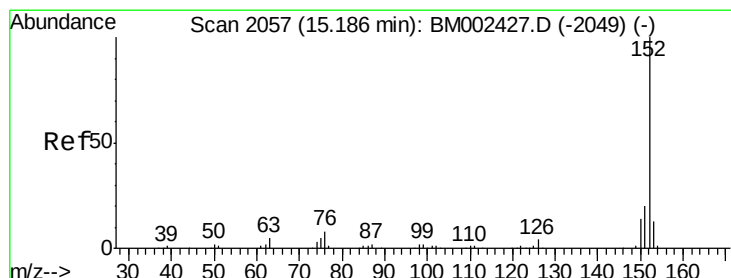
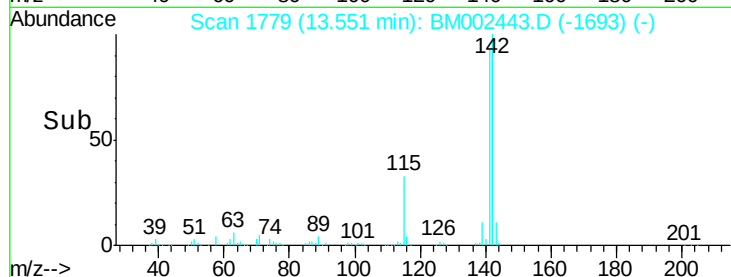
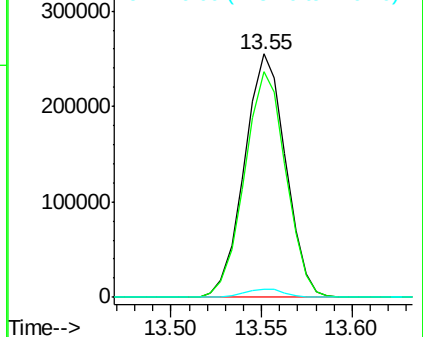
116 3.6 3.0 4.4



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: 19.99 ng/ul

RT: 15.19 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

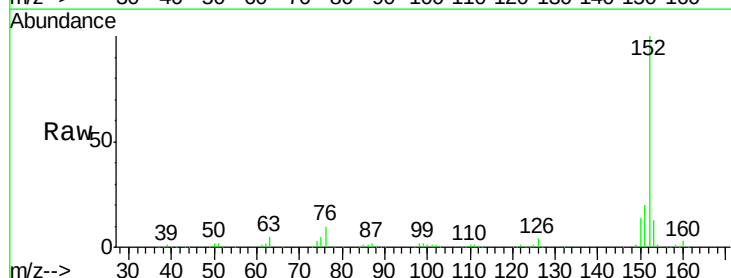
Tgt Ion:152 Resp: 630137

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

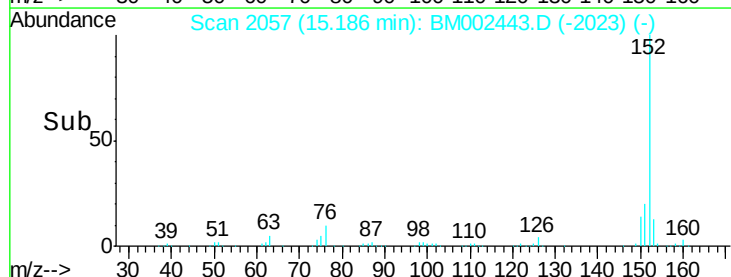
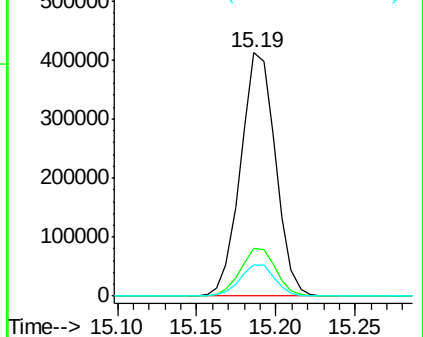
153 13.0 10.2 15.4

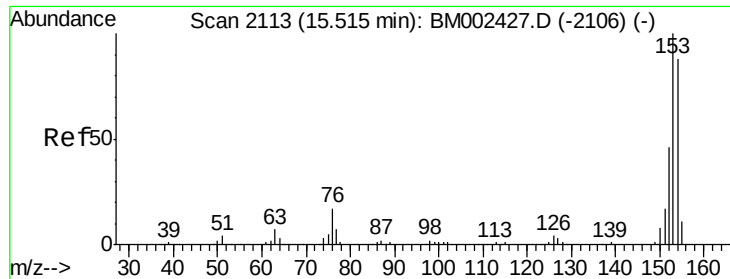


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.75 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

Instrument :

BNA_M

ClientSampleId :

SSTD02040

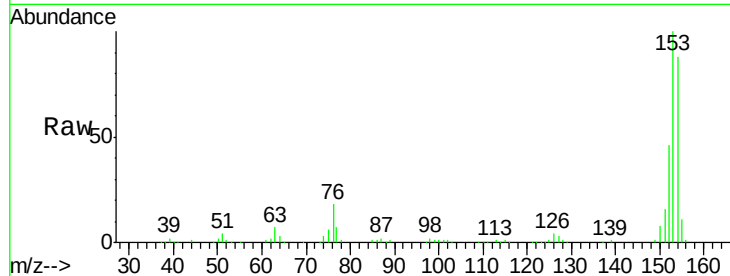
Tot Ion:153 Resp: 410073

Ion Ratio Lower Upper

153 100

152 45.7 36.9 55.3

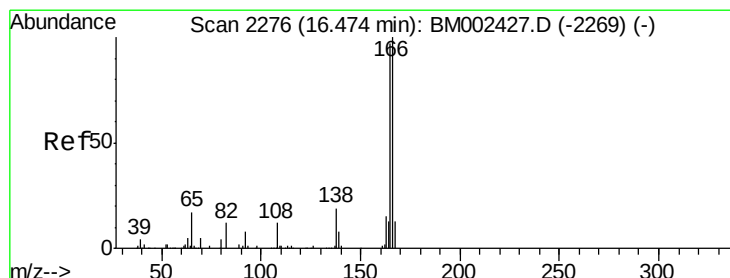
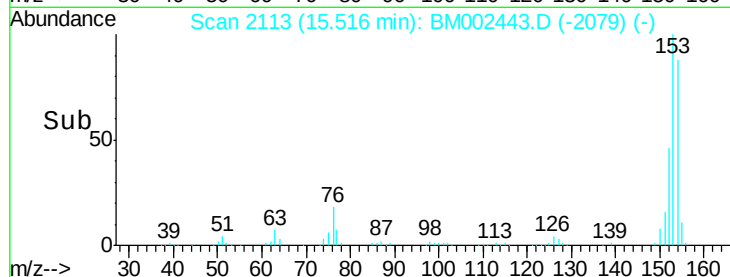
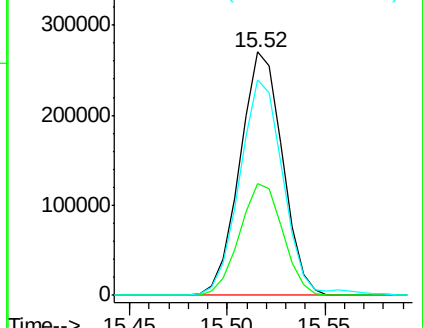
154 88.3 71.3 106.9



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: 19.12 ng/ul

RT: 16.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

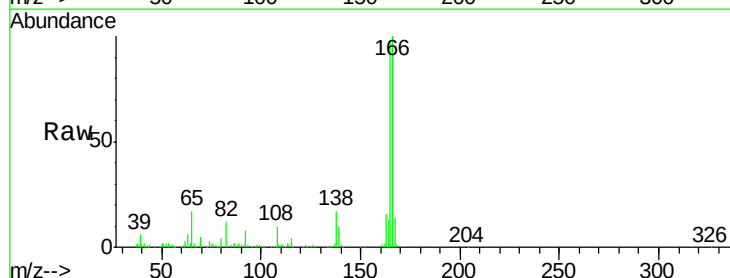
Tgt Ion:166 Resp: 454896

Ion Ratio Lower Upper

166 100

165 97.9 77.6 116.4

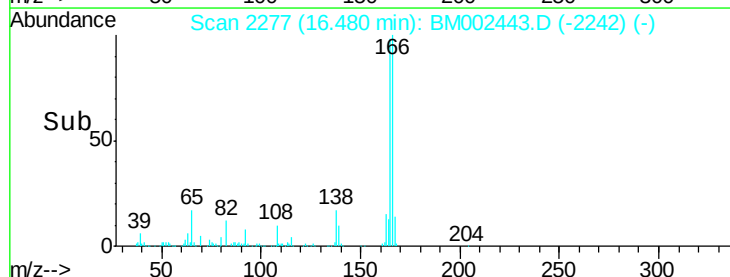
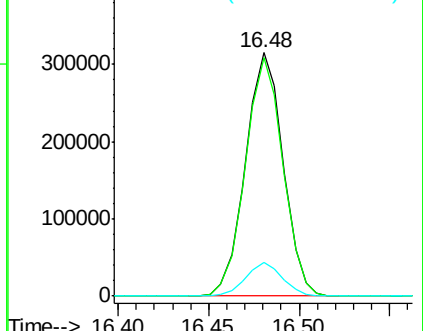
167 13.6 10.7 16.1

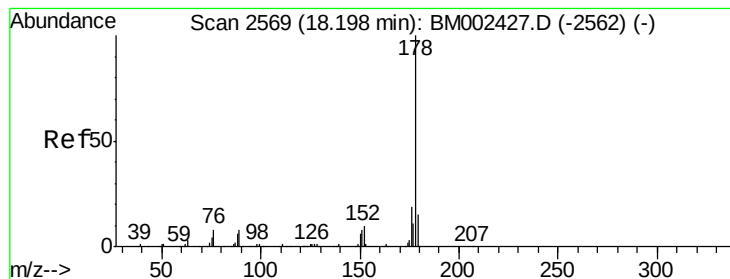


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.63 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.01 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

Instrument :

BNA_M

ClientSampleId :

SSTD02040

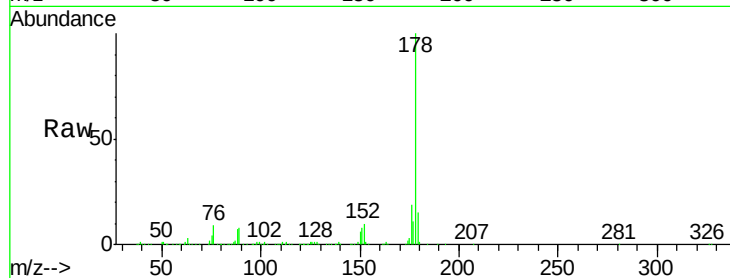
Tot Ion:178 Resp: 653018

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

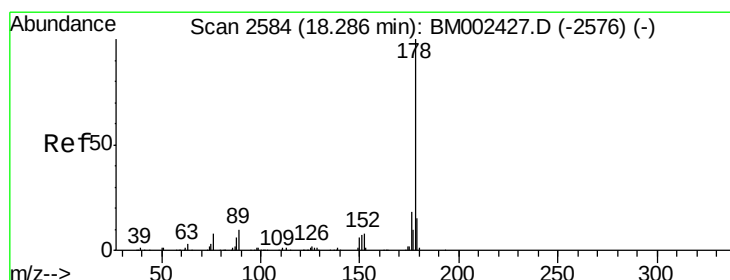
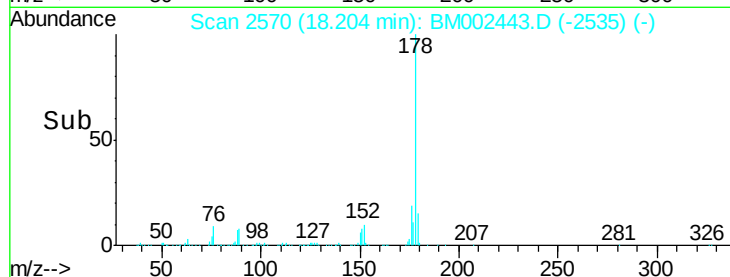
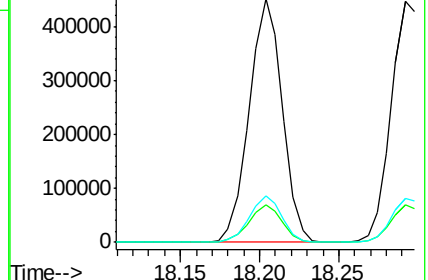
176 18.9 15.1 22.7



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: 19.77 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

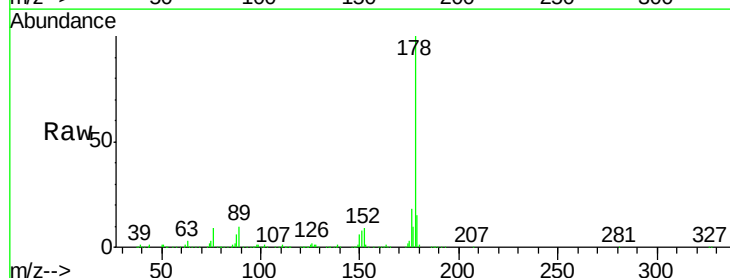
Tgt Ion:178 Resp: 666615

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

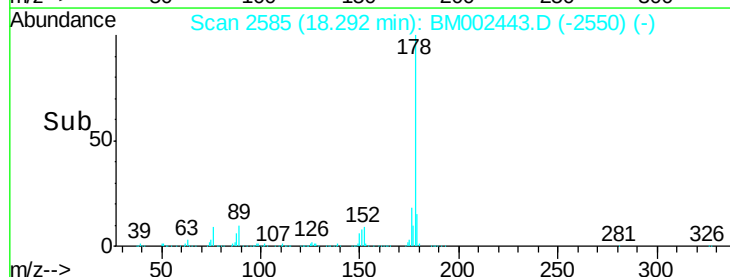
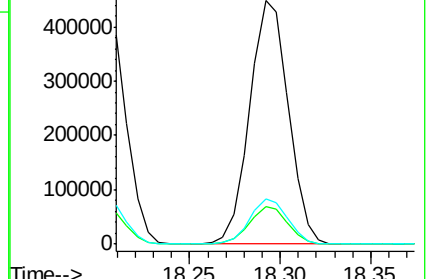
176 18.4 14.5 21.7

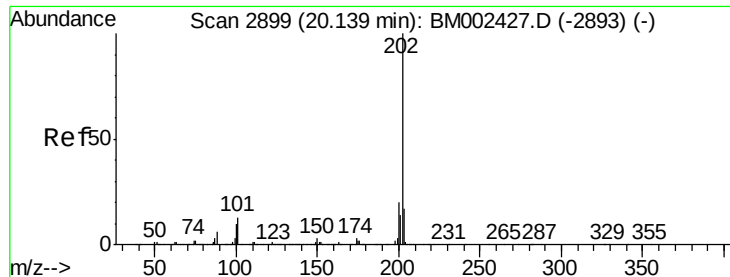


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

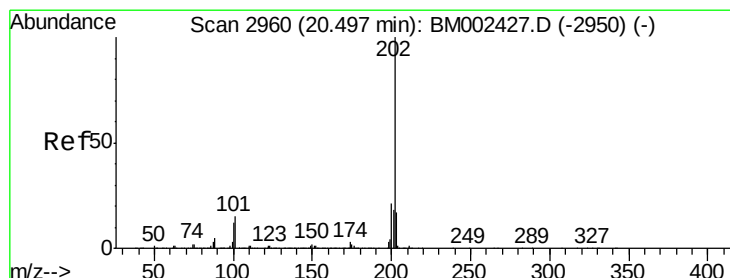
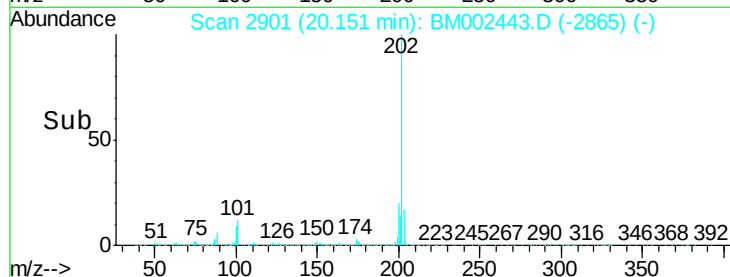
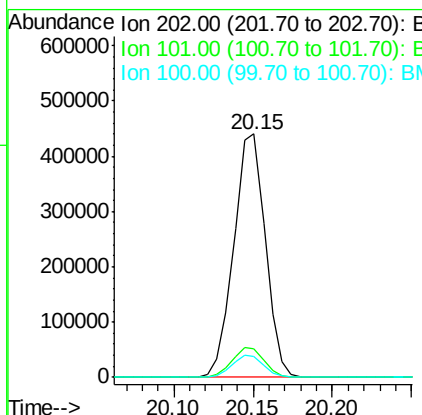
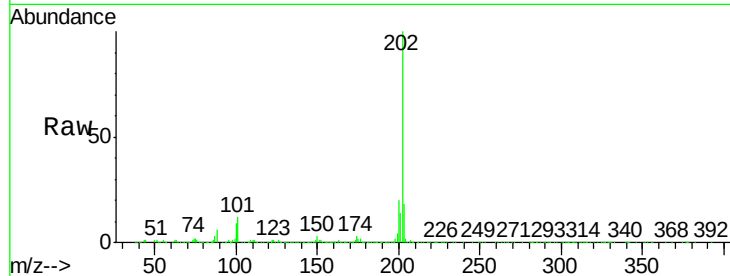




#16
 Fluoranthene
 Concen: 16.14 ng/ul
 RT: 20.15 min Scan# 2901
 Delta R.T. 0.01 min
 Lab File: BM002443.D
 Acq: 16 Aug 2015 02:18

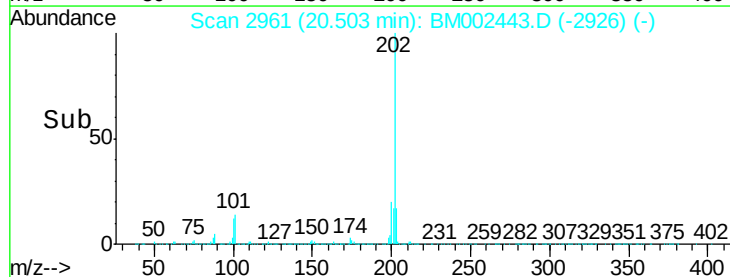
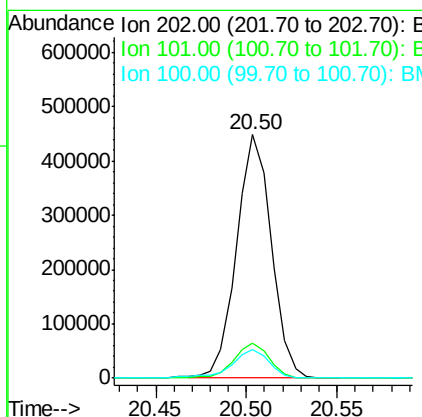
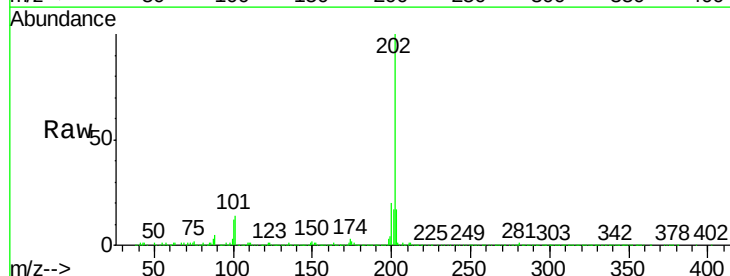
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02040

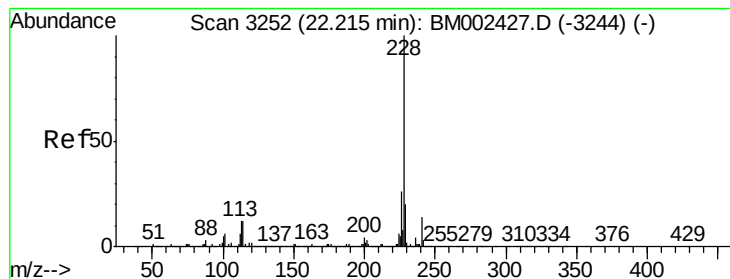
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.7	14.5
100	8.8	7.4	11.2



#19
 Pyrene
 Concen: 25.82 ng/ul
 RT: 20.50 min Scan# 2961
 Delta R.T. 0.01 min
 Lab File: BM002443.D
 Acq: 16 Aug 2015 02:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	12.0	18.0
100	11.9	9.7	14.5





#20

Benzo(a)anthracene

Concen: 19.78 ng/ul

RT: 22.22 min Scan# 3253

Delta R.T. 0.01 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

Instrument :

BNA_M

ClientSampleId :

SSTD02040

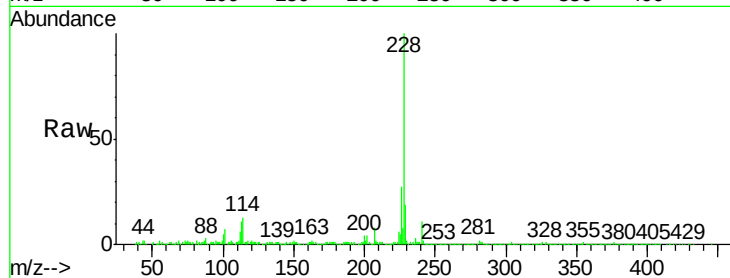
Tot Ion:228 Resp: 465129

Ion Ratio Lower Upper

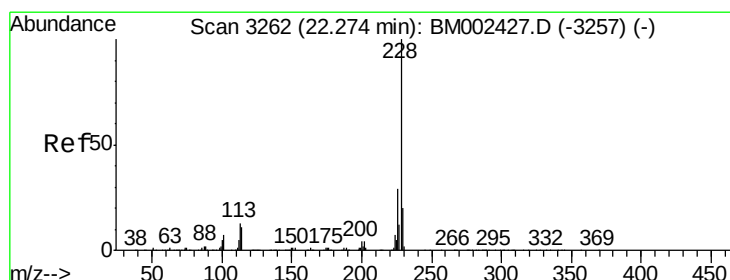
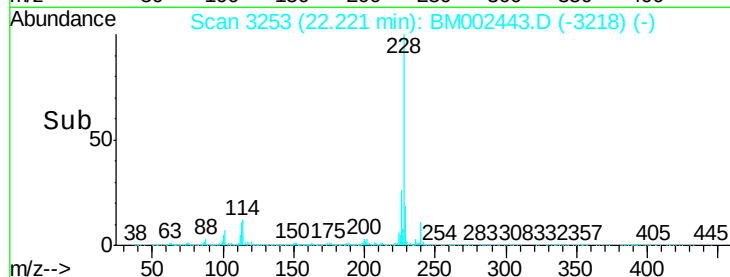
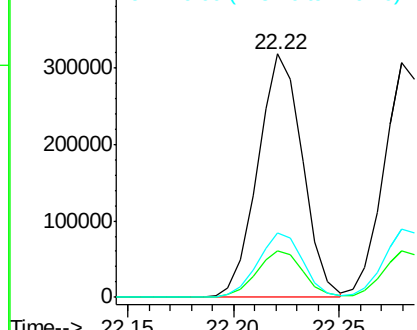
228 100

229 19.3 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: 19.73 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.01 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

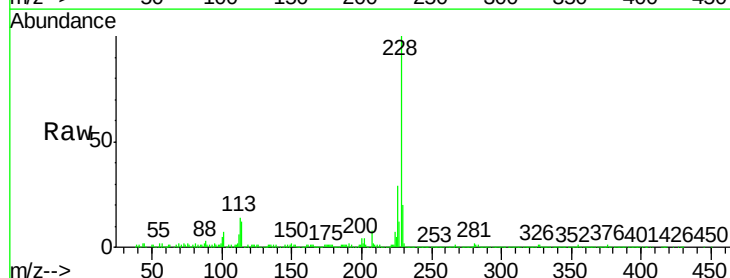
Tgt Ion:228 Resp: 434010

Ion Ratio Lower Upper

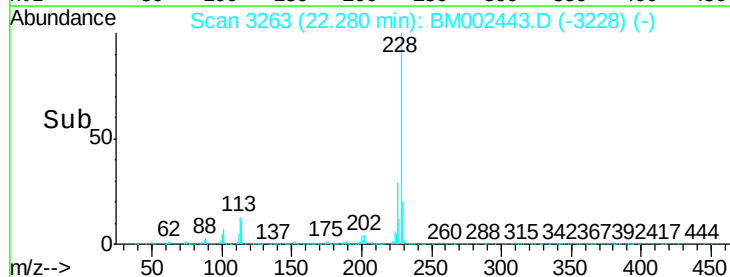
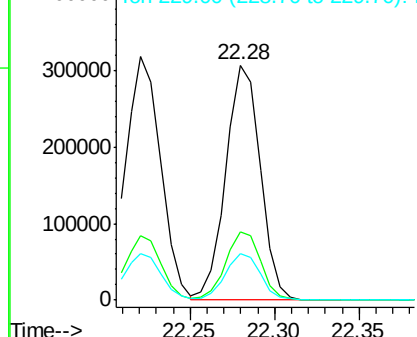
228 100

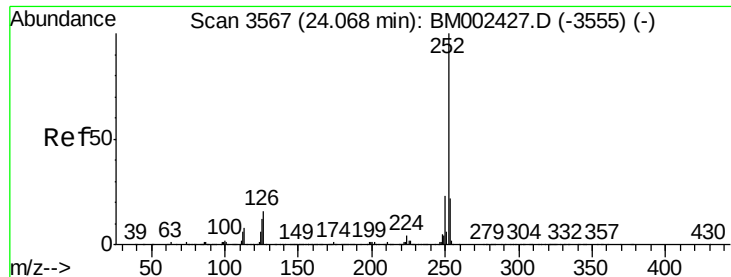
226 29.1 23.4 35.2

229 19.9 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: 19.62 ng/ul

RT: 24.09 min Scan# 3570

Delta R.T. 0.02 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

Instrument :

BNA_M

ClientSampleId :

SSTD02040

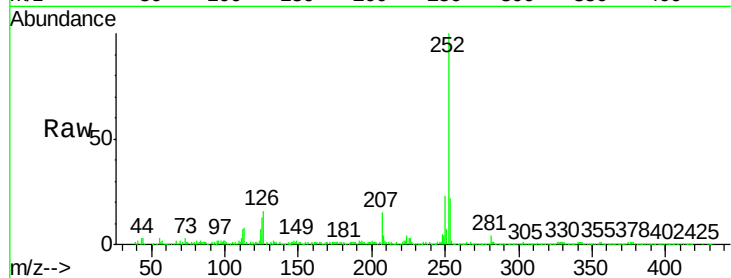
Tot Ion:252 Resp: 431020

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

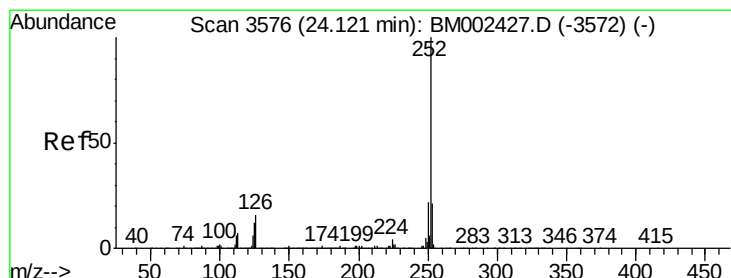
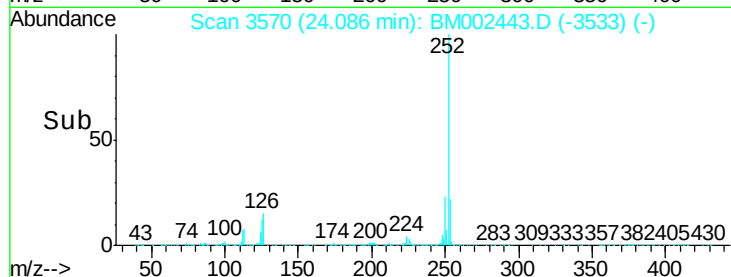
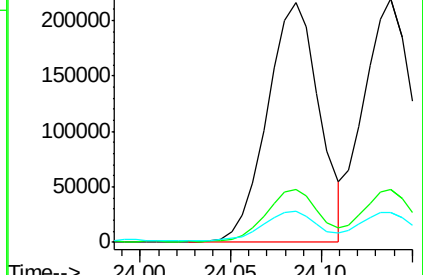
125 13.1 10.0 15.0



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: 19.93 ng/ul

RT: 24.14 min Scan# 3579

Delta R.T. 0.02 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

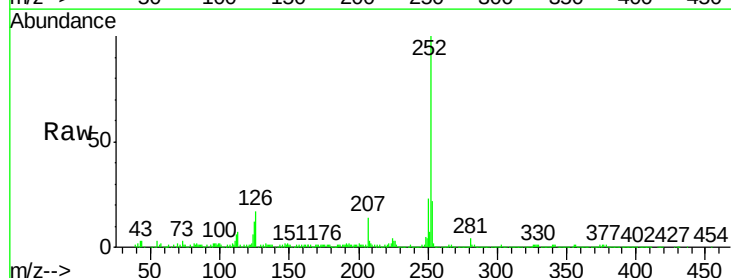
Tgt Ion:252 Resp: 414852

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

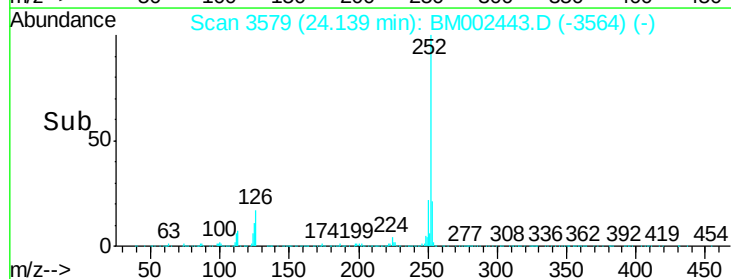
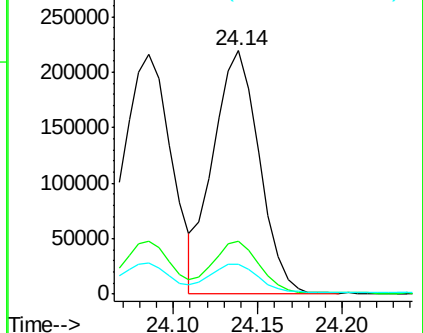
125 12.5 9.8 14.8

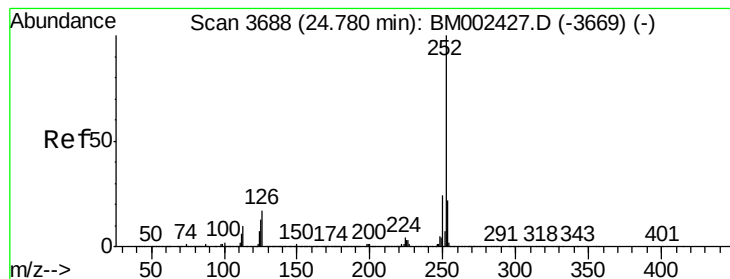


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 19.80 ng/ul

RT: 24.80 min Scan# 3691

Delta R.T. 0.02 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

Instrument :

BNA_M

ClientSampleId :

SSTD02040

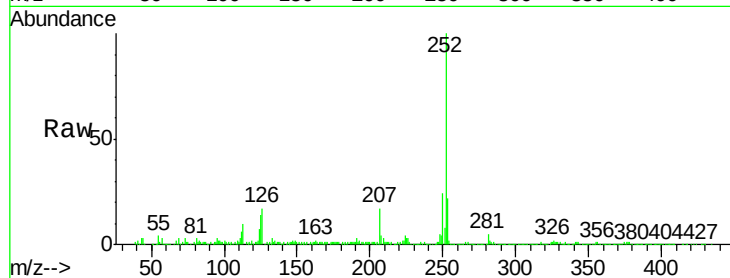
Tot Ion:252 Resp: 415340

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

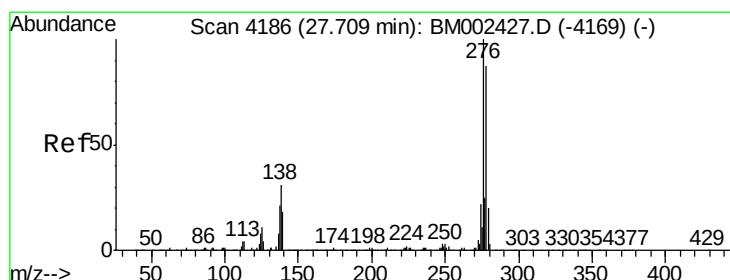
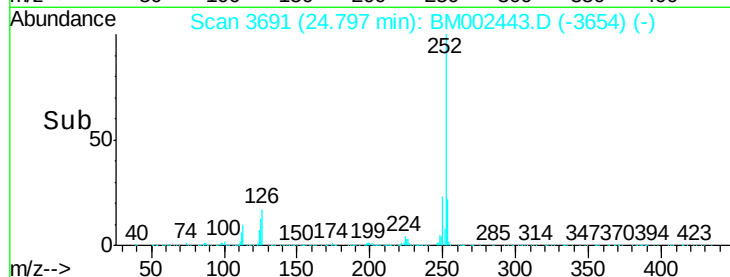
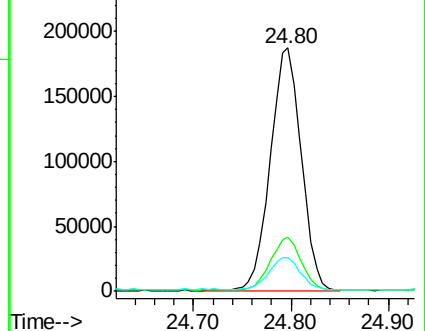
125 14.0 10.7 16.1



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: 20.24 ng/ul

RT: 27.74 min Scan# 4191

Delta R.T. 0.03 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

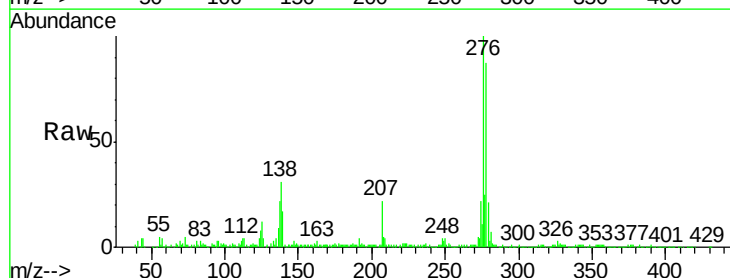
Tgt Ion:276 Resp: 488351

Ion Ratio Lower Upper

276 100

138 31.2 25.3 37.9

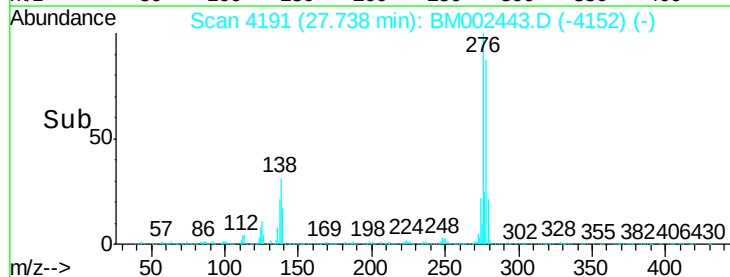
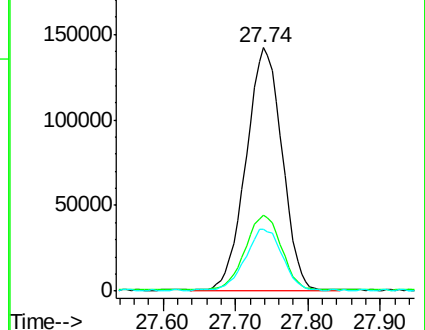
277 25.3 20.2 30.2

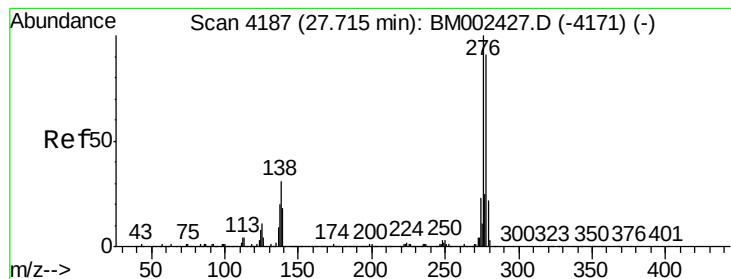


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 20.37 ng/ul

RT: 27.74 min Scan# 4191

Delta R.T. 0.02 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

Instrument :

BNA_M

ClientSampleId :

SSTD02040

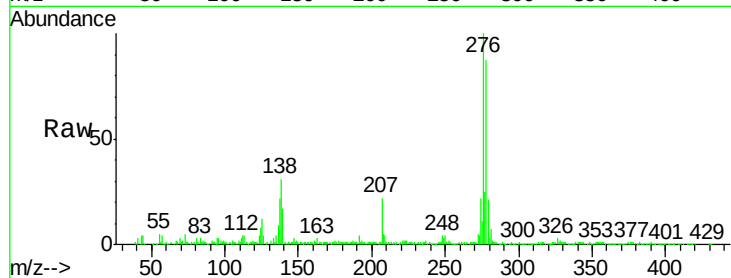
Tot Ion:278 Resp: 410783

Ion Ratio Lower Upper

278 100

139 19.9 16.5 24.7

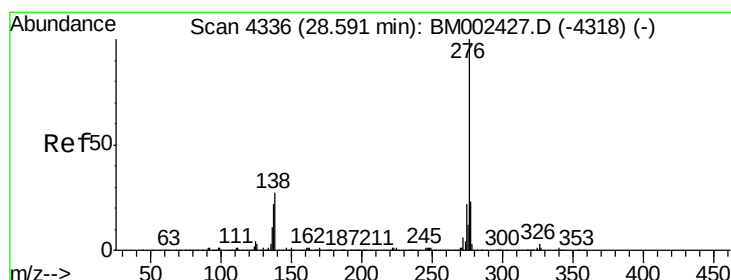
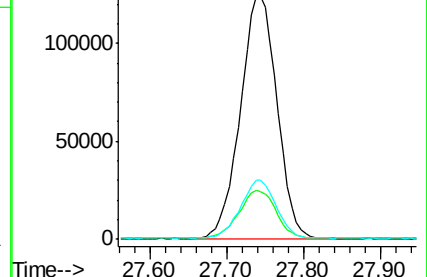
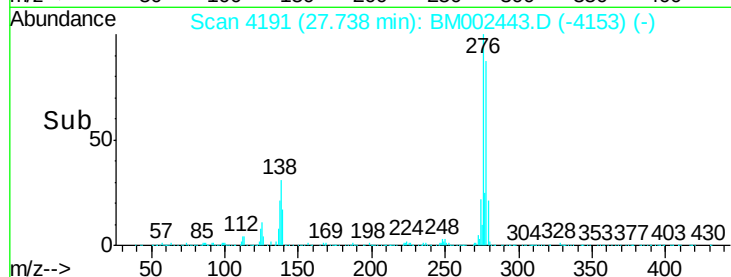
279 24.2 18.8 28.2



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: 20.15 ng/ul

RT: 28.62 min Scan# 4341

Delta R.T. 0.03 min

Lab File: BM002443.D

Acq: 16 Aug 2015 02:18

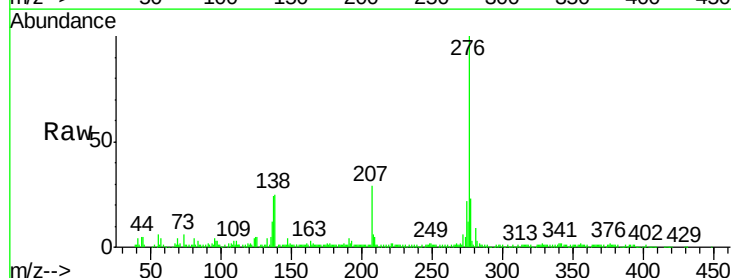
Tgt Ion:276 Resp: 404671

Ion Ratio Lower Upper

276 100

138 25.4 21.0 31.6

277 23.4 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

