

Data Path : Z:\HPCHEM1\BNA_M\Data\BM081315\
 Data File : BM002380.D
 Acq On : 13 Aug 2015 02:49
 Operator : UM/IZ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02029

Quant Time: Aug 13 05:07:29 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 00:45:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	169643	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	746307	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	367951	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	686632	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	468074	20.00	ng/ul	0.00
22) Perylene-d12	24.98	264	447470	20.00	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	770973	20.23	ng/ul	0.00
10) Fluorene-d10	16.46	176	512325	19.33	ng/ul	0.00
14) Anthracene-d10	18.30	188	663786	19.92	ng/ul	0.00
18) Pyrene-d10	20.52	212	542128	23.88	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	475157	20.00	ng/ul	-0.01

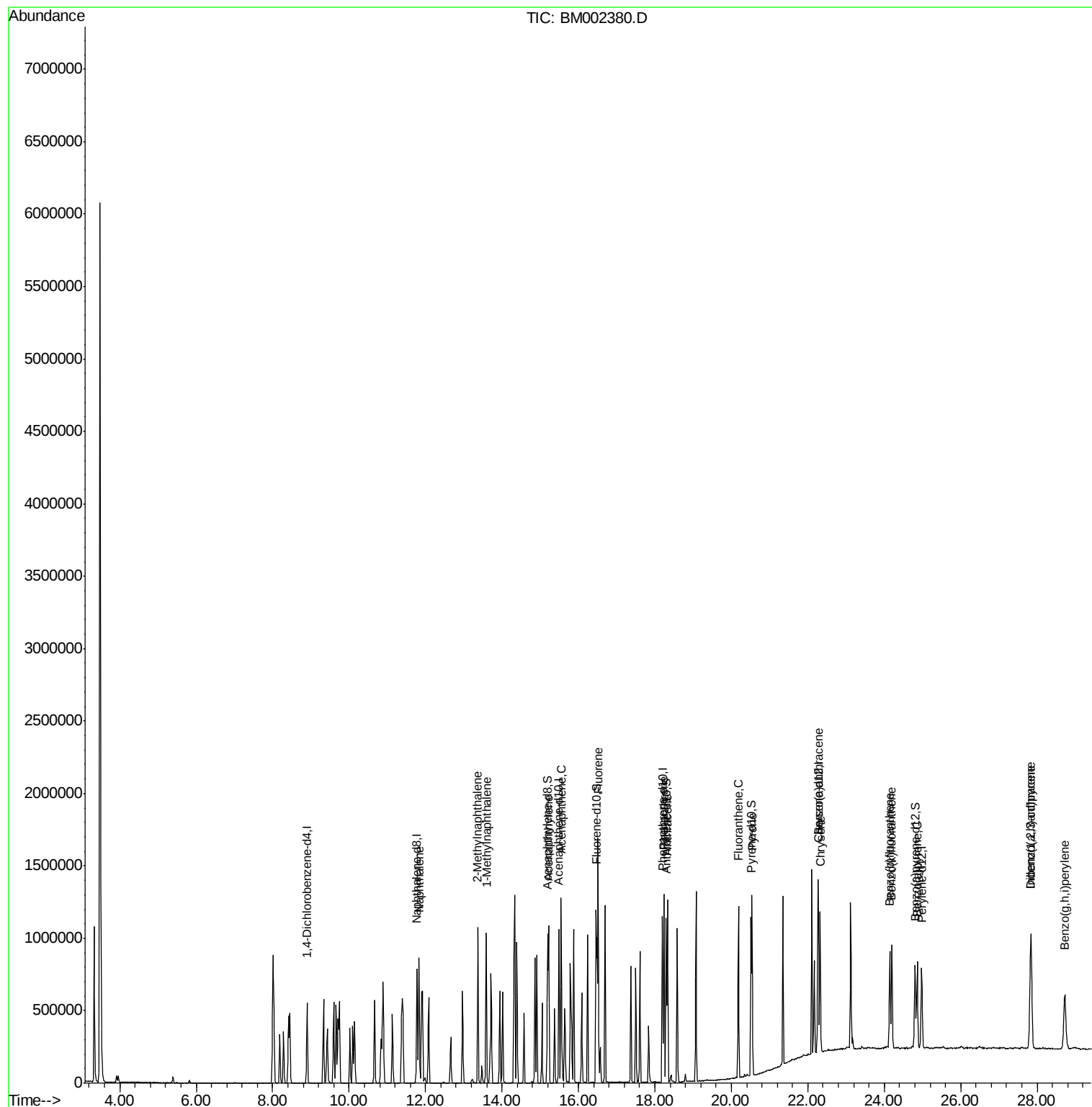
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.83	128	776650	19.76	ng/ul	100
4) 2-Methylnaphthalene	13.37	142	534711	19.05	ng/ul	99
5) 1-Methylnaphthalene	13.59	142	522485	18.88	ng/ul	98
8) Acenaphthylene	15.22	152	795628	20.11	ng/ul	99
9) Acenaphthene	15.55	153	536573	20.16	ng/ul	99
11) Fluorene	16.52	166	582044	19.42	ng/ul	99
13) Phenanthrene	18.24	178	791466	20.03	ng/ul	99
15) Anthracene	18.33	178	812310	19.90	ng/ul	100
16) Fluoranthene	20.19	202	727575	16.63	ng/ul	98
19) Pyrene	20.54	202	721731	23.85	ng/ul	97
20) Benzo(a)anthracene	22.27	228	582473	20.39	ng/ul	100
21) Chrysene	22.33	228	542790	20.05	ng/ul	99
23) Benzo(b)fluoranthene	24.14	252	561897	20.20	ng/ul	99
24) Benzo(k)fluoranthene	24.20	252	534935	20.03	ng/ul	99
26) Benzo(a)pyrene	24.86	252	535927	20.14	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	27.84	276	632195	20.72	ng/ul	98
28) Dibenzo(a,h)anthracene	27.84	278	535950	20.74	ng/ul	99
29) Benzo(g,h,i)perylene	28.72	276	531277	20.64	ng/ul	98

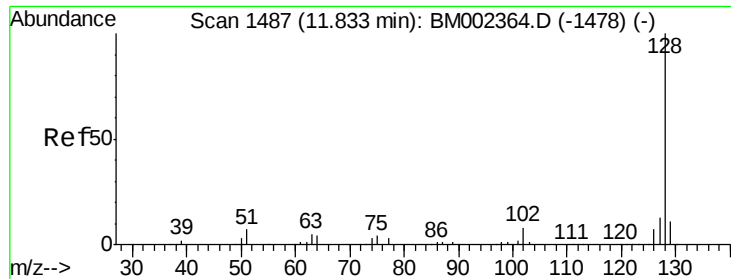
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.76 ng/ul

RT: 11.83 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

Instrument :

BNA_M

ClientSampleId :

SSTD02029

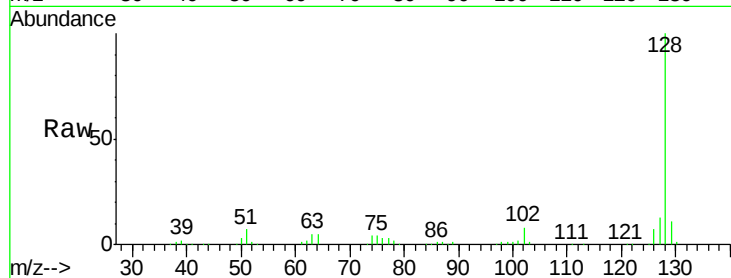
Tgt Ion:128 Resp: 776650

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

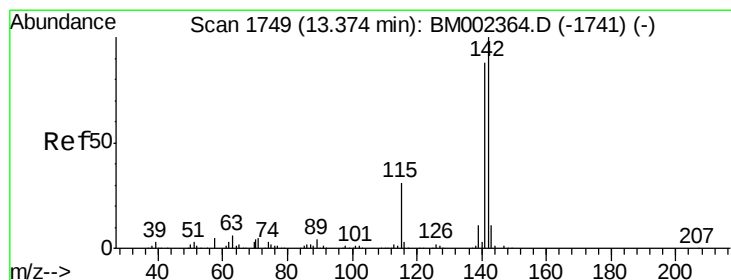
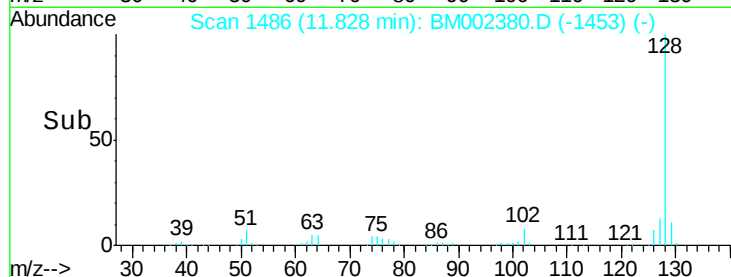
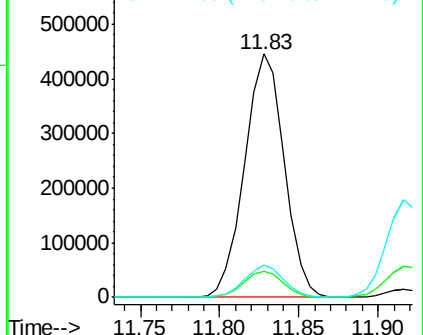
127 13.1 10.4 15.6



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: 19.05 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM002380.D

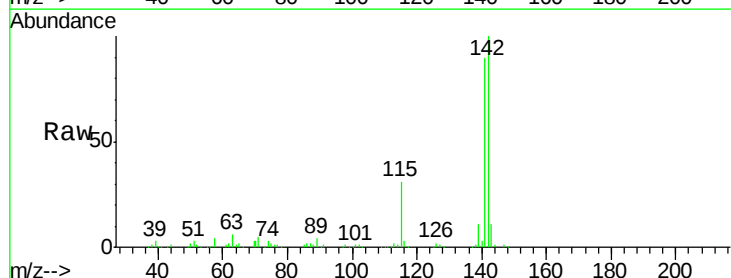
Acq: 13 Aug 2015 02:49

Tgt Ion:142 Resp: 534711

Ion Ratio Lower Upper

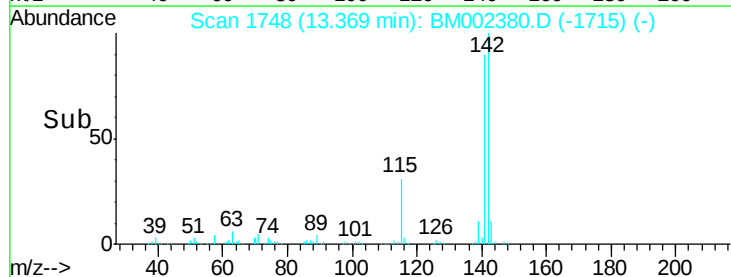
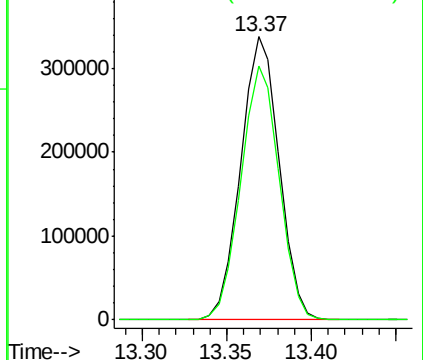
142 100

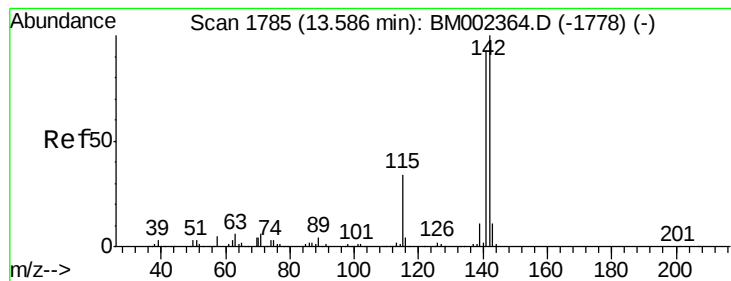
141 89.9 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 18.88 ng/ul

RT: 13.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

Instrument :

BNA_M

ClientSampleId :

SSTD02029

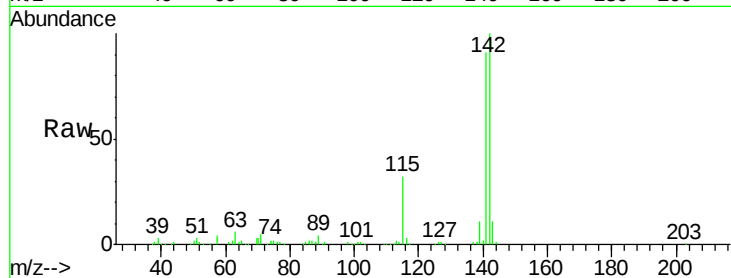
Tgt Ion:142 Resp: 522485

Ion Ratio Lower Upper

142 100

141 91.0 74.5 111.7

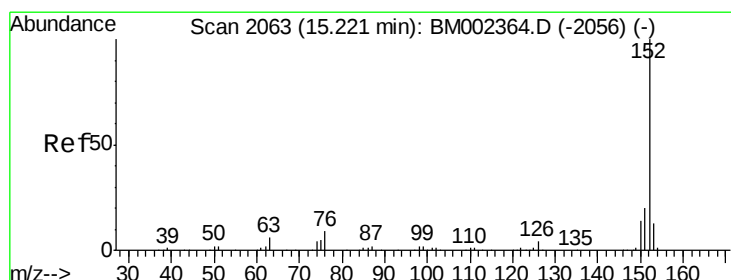
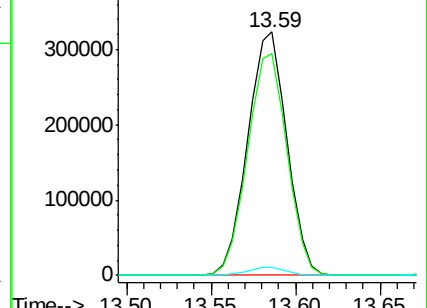
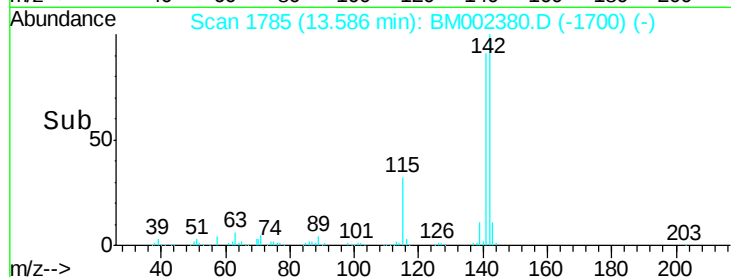
116 3.5 3.0 4.4



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



#8

Acenaphthylene

Concen: 20.11 ng/ul

RT: 15.22 min Scan# 2063

Delta R.T. 0.00 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

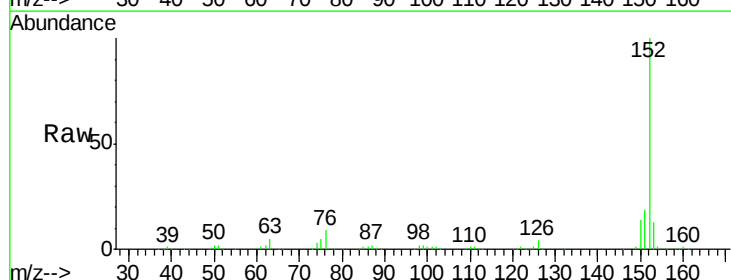
Tgt Ion:152 Resp: 795628

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

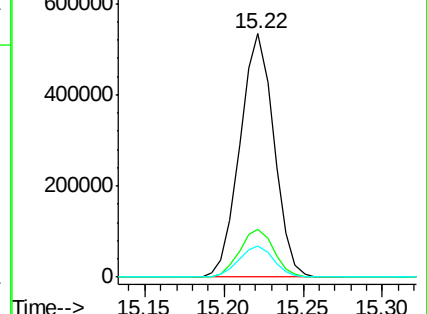
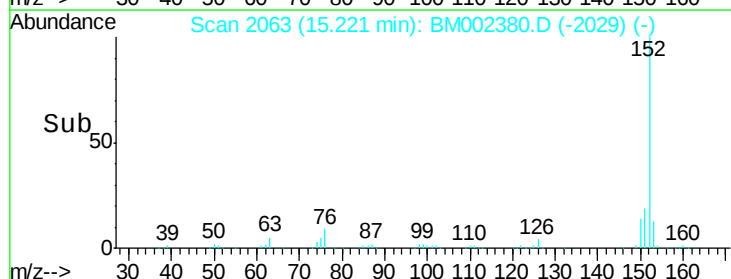
153 12.8 10.6 15.8

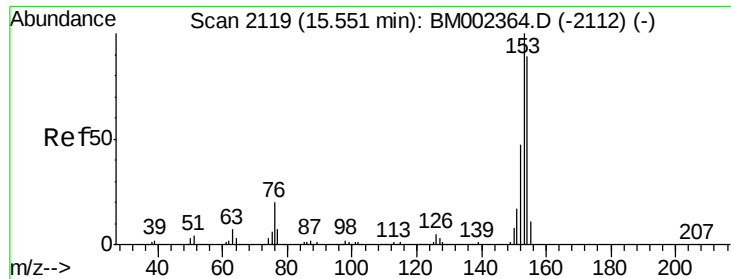


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.16 ng/ul

RT: 15.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

Instrument :

BNA_M

ClientSampleId :

SSTD02029

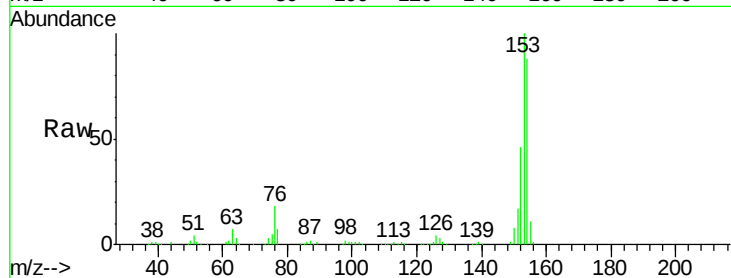
Tgt Ion:153 Resp: 536573

Ion Ratio Lower Upper

153 100

152 46.0 36.6 55.0

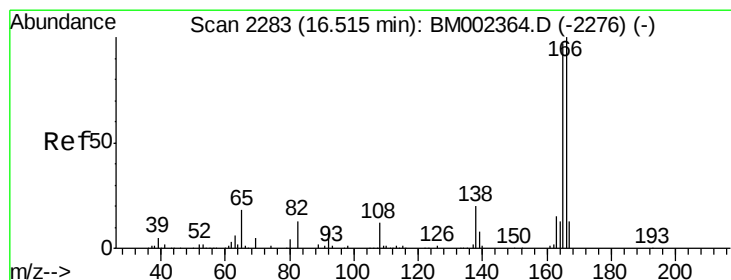
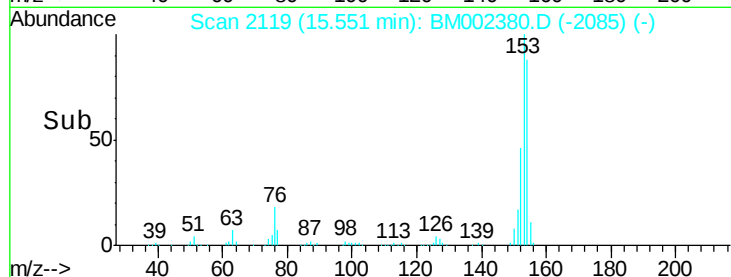
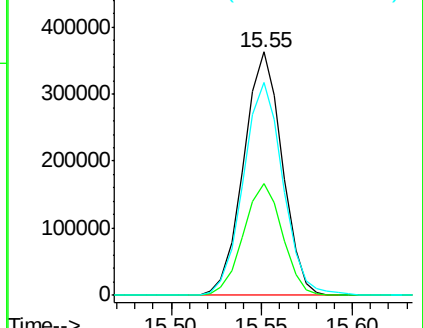
154 87.7 71.5 107.3



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: 19.42 ng/ul

RT: 16.52 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

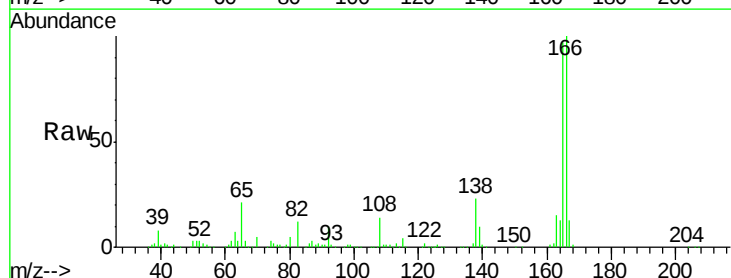
Tgt Ion:166 Resp: 582044

Ion Ratio Lower Upper

166 100

165 97.5 77.5 116.3

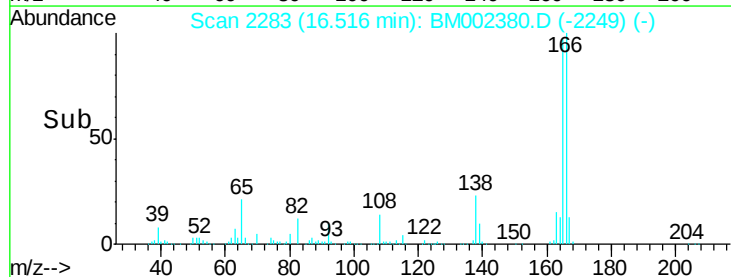
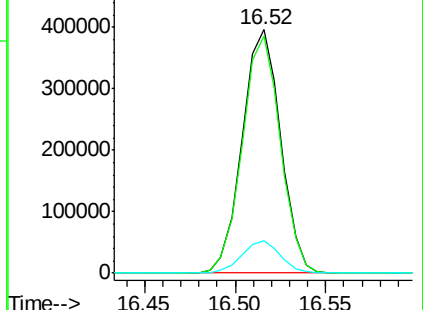
167 13.4 10.4 15.6

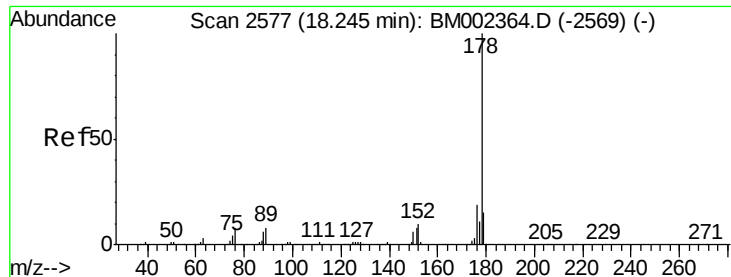


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.03 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.01 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

Instrument :

BNA_M

ClientSampleId :

SSTD02029

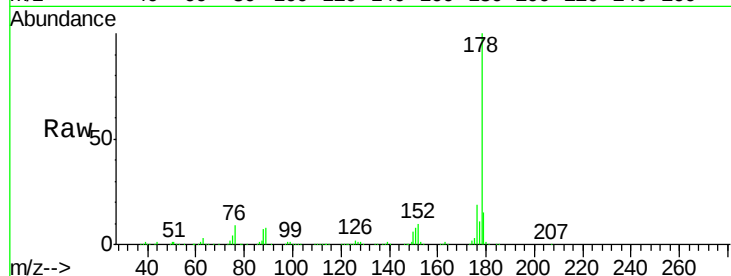
Tgt Ion:178 Resp: 791466

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

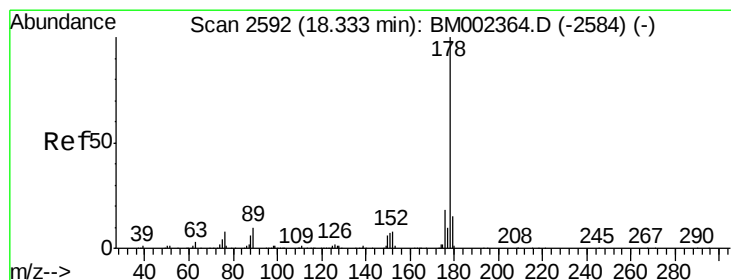
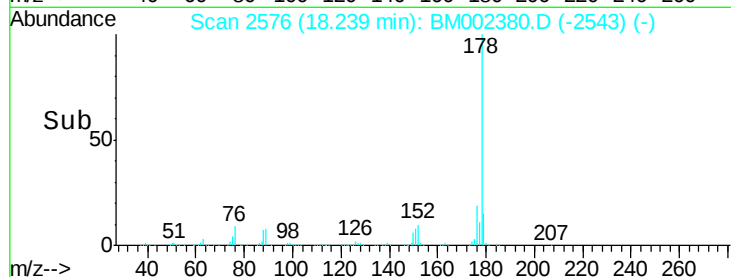
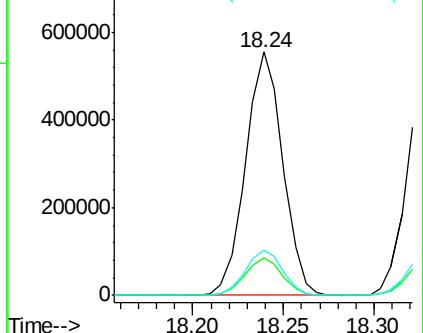
176 18.6 15.3 22.9



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: 19.90 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. -0.01 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

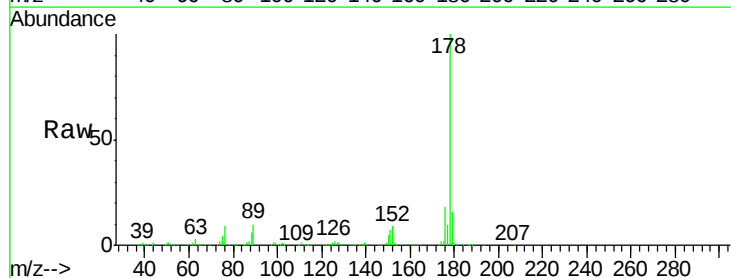
Tgt Ion:178 Resp: 812310

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

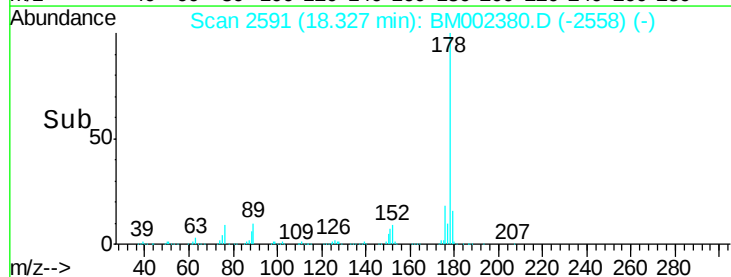
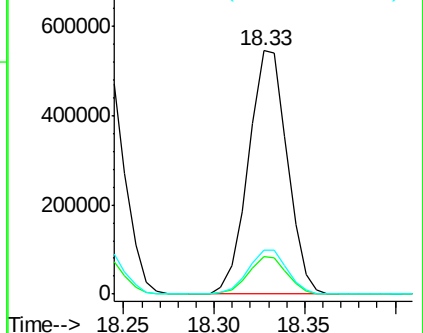
176 18.0 14.5 21.7

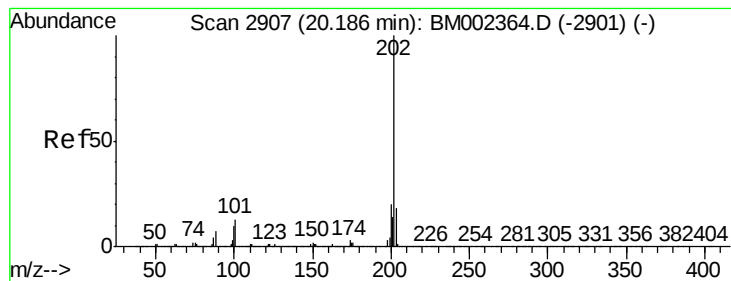


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 16.63 ng/ul

RT: 20.19 min Scan# 2907

Delta R.T. 0.00 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

Instrument :

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ClientSampleId :

SSTD02029

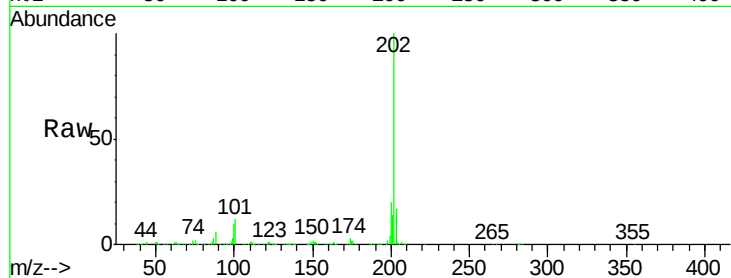
Tgt Ion: 202 Resp: 727575

Ion Ratio Lower Upper

202 100

101 12.1 10.6 15.8

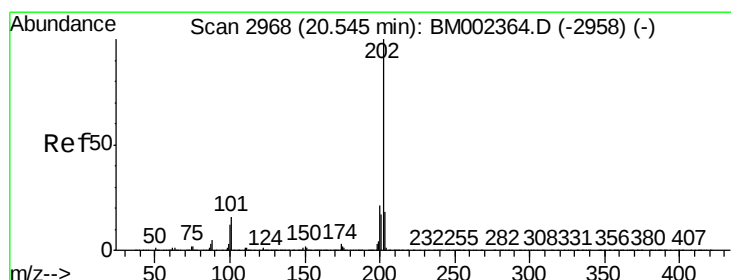
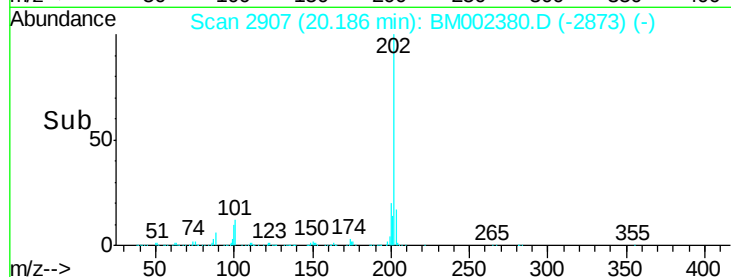
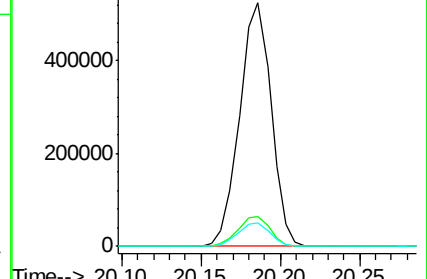
100 9.6 8.2 12.4



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: 23.85 ng/ul

RT: 20.54 min Scan# 2967

Delta R.T. -0.01 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

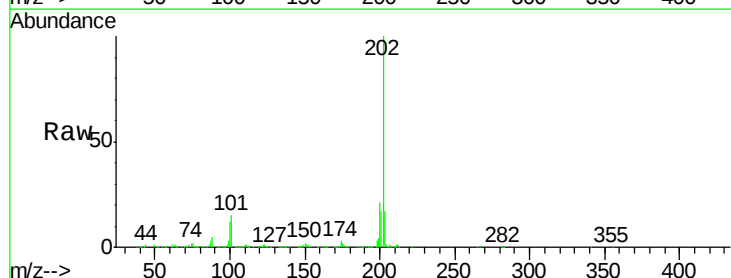
Tgt Ion: 202 Resp: 721731

Ion Ratio Lower Upper

202 100

101 15.3 13.0 19.6

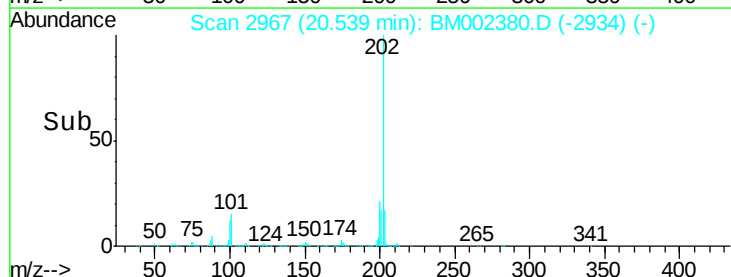
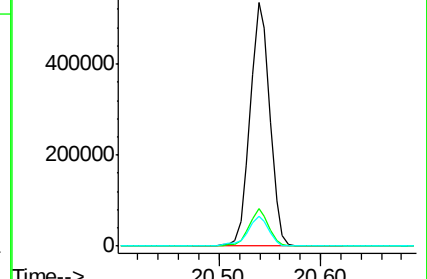
100 12.4 11.0 16.4

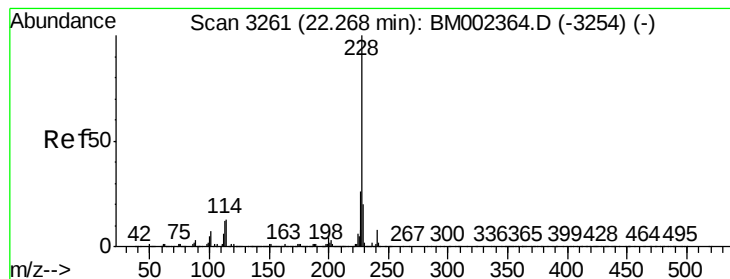


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 20.39 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.00 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

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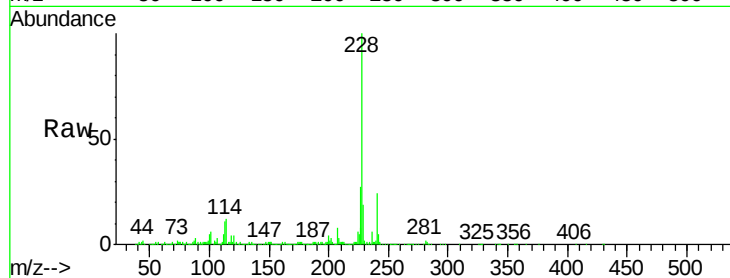
Tgt Ion:228 Resp: 582473

Ion Ratio Lower Upper

228 100

229 19.4 15.7 23.5

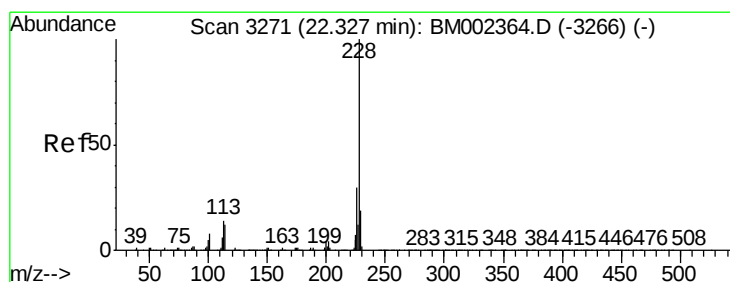
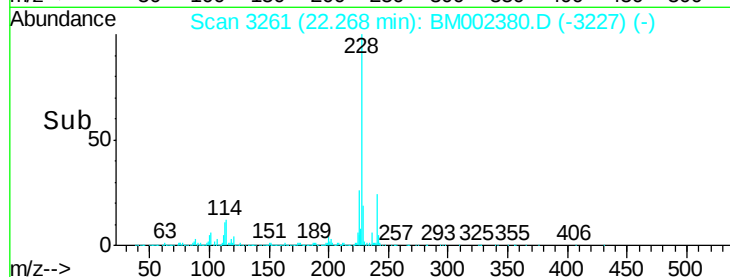
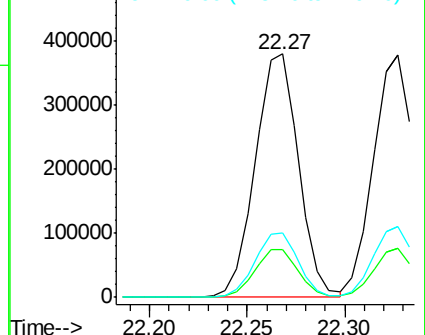
226 26.5 21.4 32.0



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: 20.05 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. 0.00 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

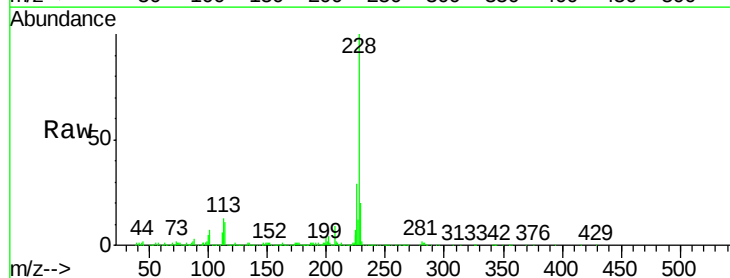
Tgt Ion:228 Resp: 542790

Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.0

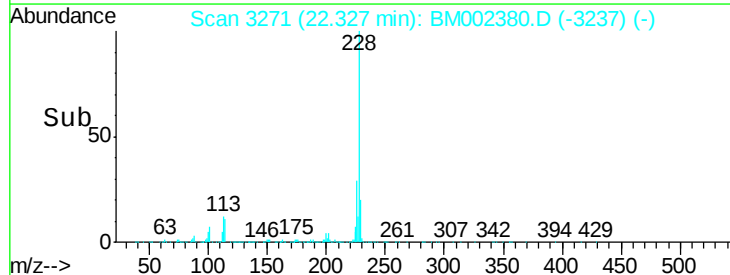
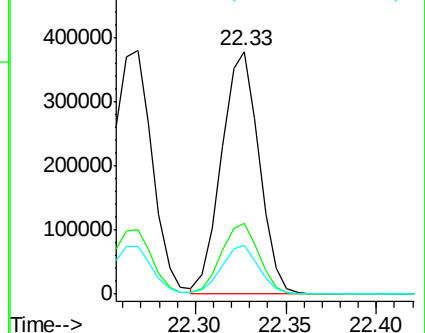
229 20.0 15.5 23.3

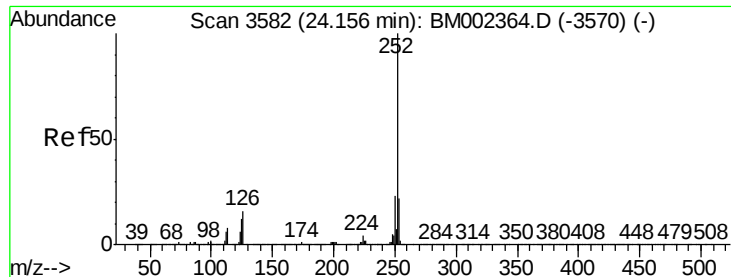


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 20.20 ng/ul

RT: 24.14 min Scan# 3580

Delta R.T. -0.01 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

Instrument :

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SSTD02029

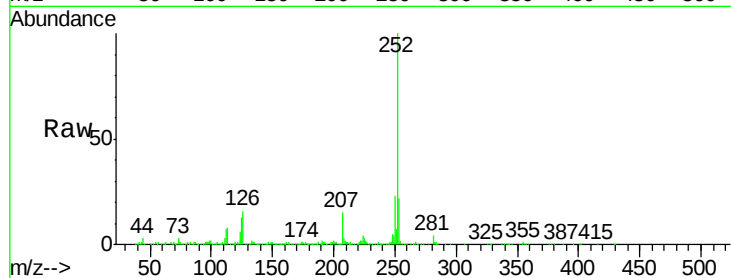
Tgt Ion:252 Resp: 561897

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

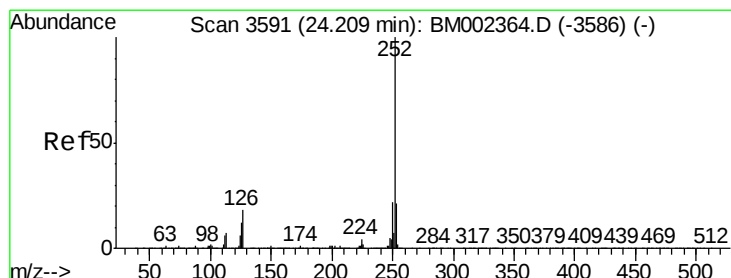
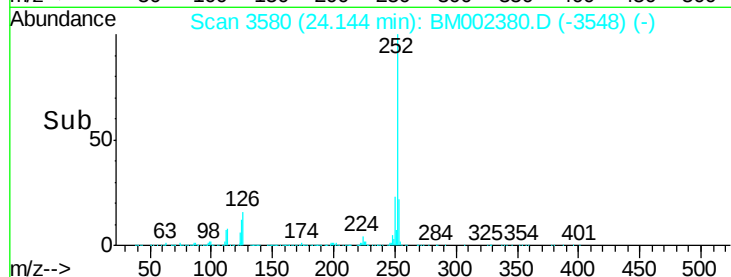
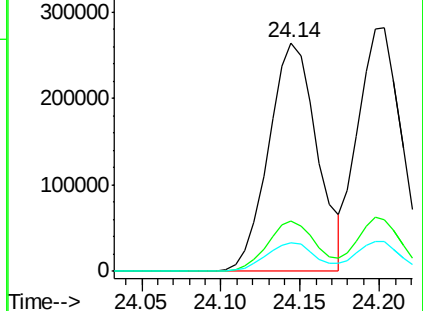
125 12.7 10.3 15.5



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: 20.03 ng/ul

RT: 24.20 min Scan# 3590

Delta R.T. -0.01 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

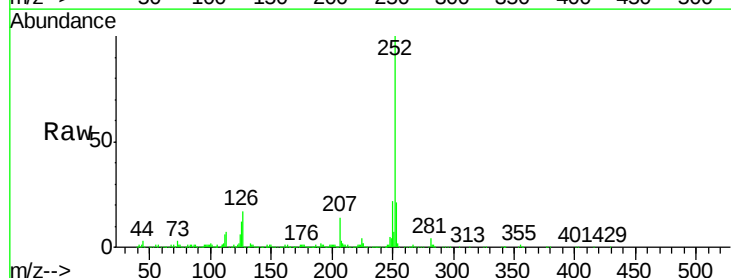
Tgt Ion:252 Resp: 534935

Ion Ratio Lower Upper

252 100

253 21.4 17.3 25.9

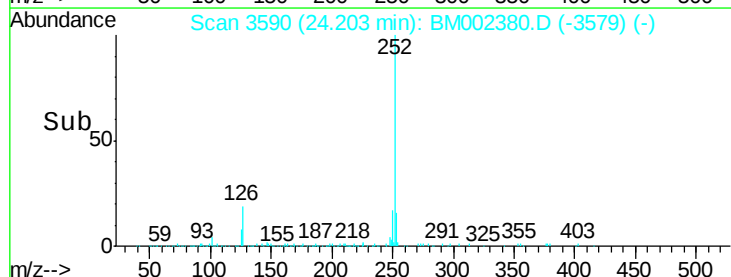
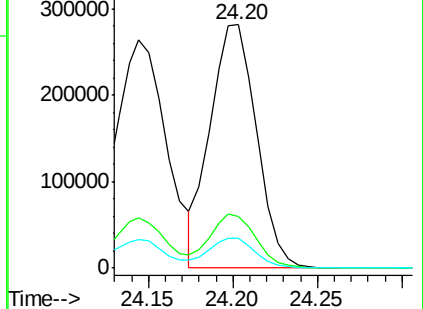
125 12.2 10.2 15.4

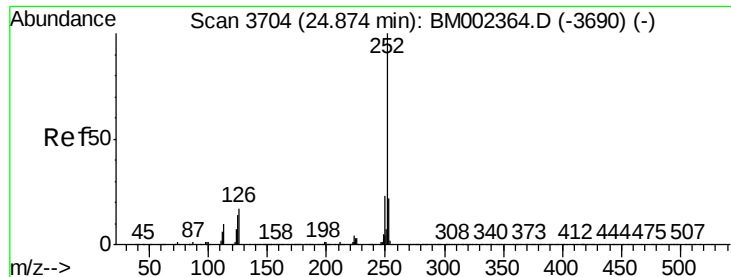


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.14 ng/ul

RT: 24.86 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

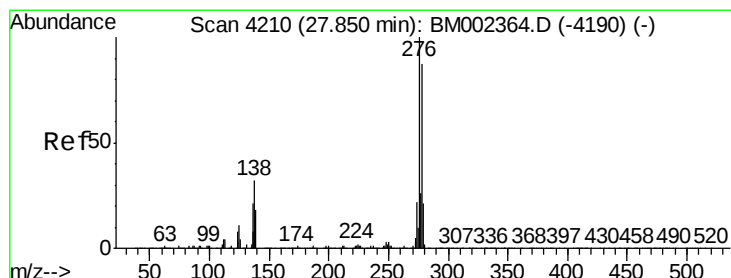
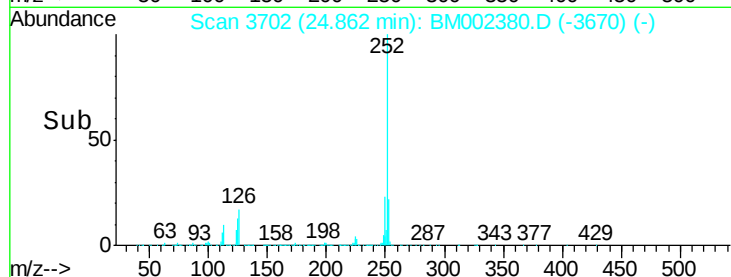
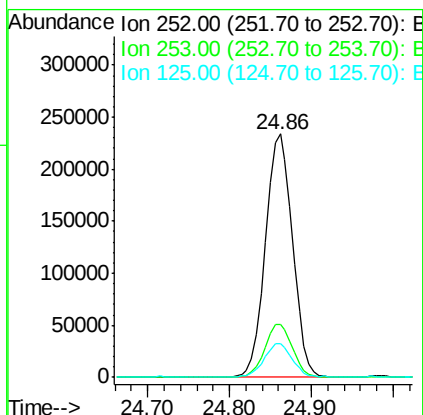
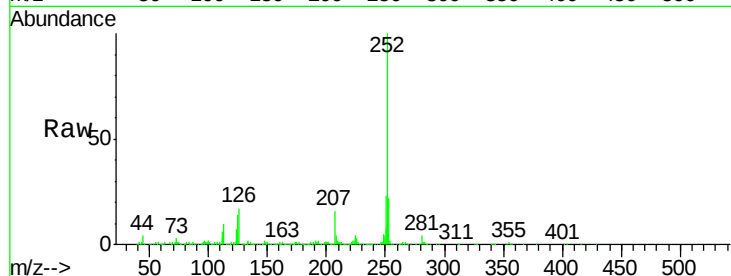
Instrument :

BNA_M

ClientSampleId :

SSTD02029

Tgt Ion:	252	Resp:	535927
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	13.6	11.0	16.6



#27

Indeno(1,2,3-cd)pyrene

Concen: 20.72 ng/ul

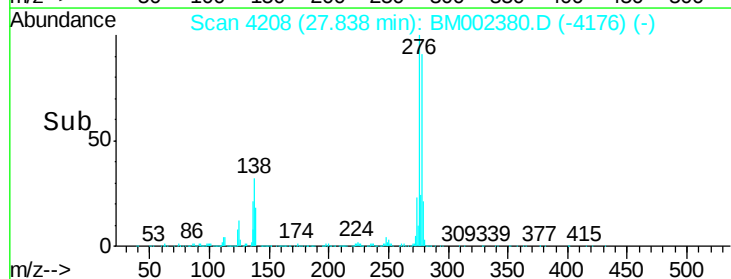
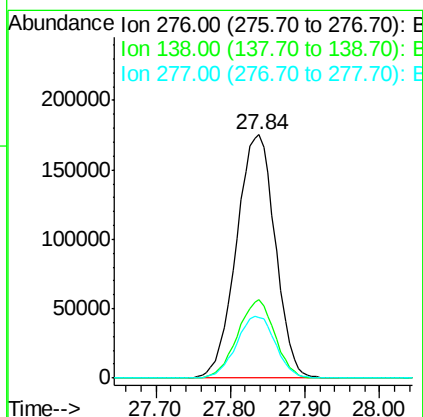
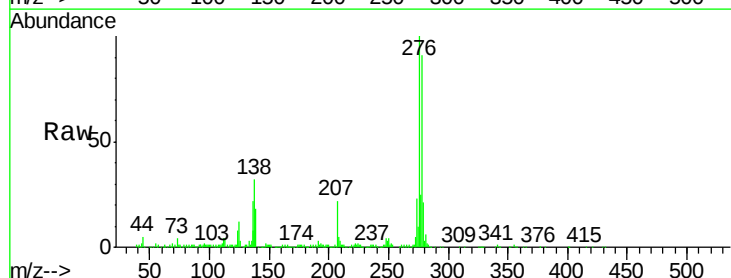
RT: 27.84 min Scan# 4208

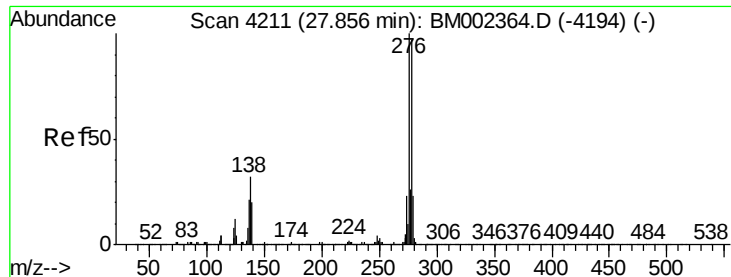
Delta R.T. -0.01 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

Tgt Ion:	276	Resp:	632195
Ion	Ratio	Lower	Upper
276	100		
138	32.5	25.6	38.4
277	24.6	21.0	31.4





#28

Dibenzo(a,h)anthracene

Concen: 20.74 ng/ul

RT: 27.84 min Scan# 4209

Delta R.T. -0.01 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

Instrument :

BNA_M

ClientSampleId :

SSTD02029

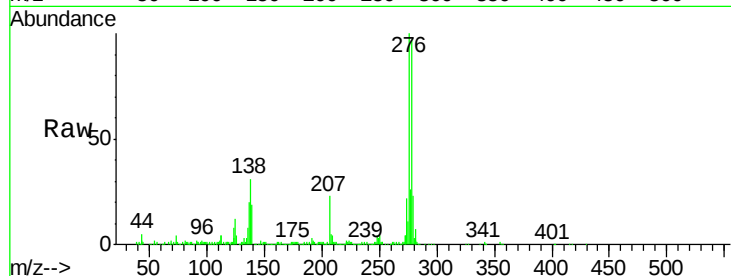
Tgt Ion:278 Resp: 535950

Ion Ratio Lower Upper

278 100

139 20.0 16.4 24.6

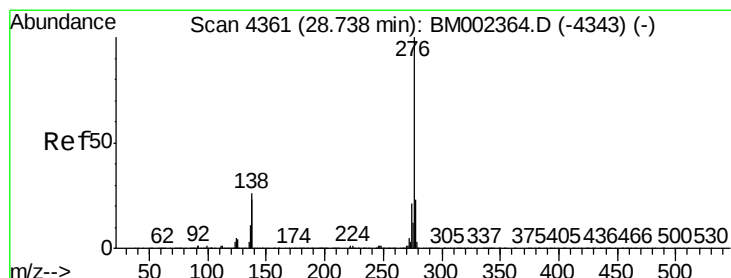
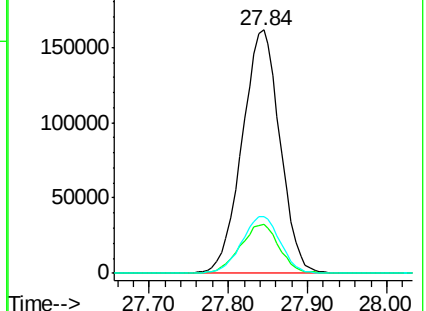
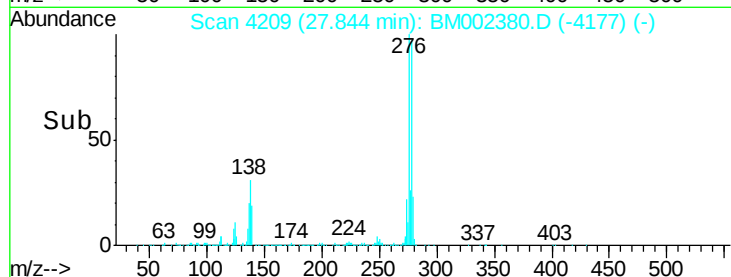
279 23.5 18.8 28.2



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: 20.64 ng/ul

RT: 28.72 min Scan# 4358

Delta R.T. -0.02 min

Lab File: BM002380.D

Acq: 13 Aug 2015 02:49

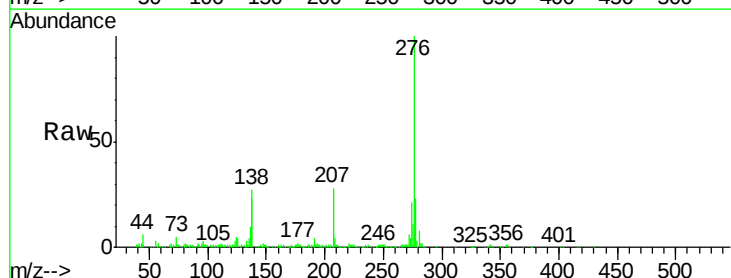
Tgt Ion:276 Resp: 531277

Ion Ratio Lower Upper

276 100

138 26.7 20.5 30.7

277 23.4 19.0 28.6



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

