

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM031518\
 Data File : BM014596.D
 Acq On : 16 Mar 2018 03:04
 Operator : SJ/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02051

Quant Time: Mar 16 15:25:32 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 15:09:29 2018
 Response via : Initial Calibration

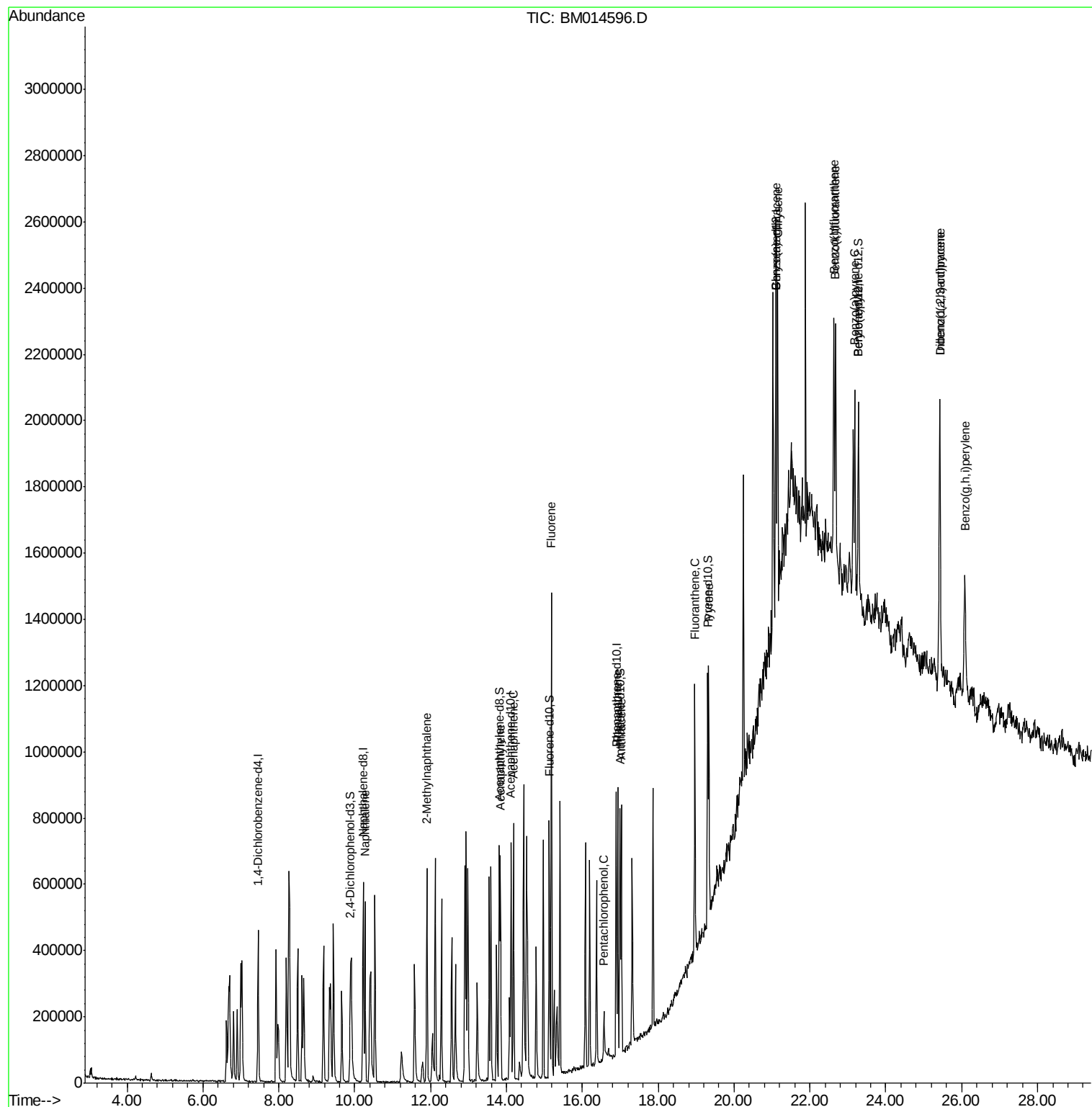
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	102713	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	409027	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	210799	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	382907	20.00	ng/ul	0.00
18) Chrysene-d12	21.12	240	358189	20.00	ng/ul	0.00
23) Perylene-d12	23.27	264	352954	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.89	165	122159	19.32	ng/ul	0.00
7) Acenaphthylene-d8	13.81	160	429701	19.07	ng/ul	0.00
10) Fluorene-d10	15.13	176	271032	18.36	ng/ul	0.00
15) Anthracene-d10	16.99	188	356675	19.46	ng/ul	0.00
19) Pyrene-d10	19.30	212	338190	15.71	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.27	264	350506	20.53	ng/ul	0.14
Target Compounds				Qvalue		
4) Naphthalene	10.27	128	386156	18.588	ng/ul	99
5) 2-Methylnaphthalene	11.90	142	273829	18.837	ng/ul	97
8) Acenaphthylene	13.84	152	400130	19.135	ng/ul	97
9) Acenaphthene	14.19	153	265664	18.564	ng/ul	97
11) Fluorene	15.19	166	303682	17.908	ng/ul	95
13) Pentachlorophenol	16.57	266	25694	14.659	ng/ul#	83
14) Phenanthrene	16.93	178	404822	18.878	ng/ul	98
16) Anthracene	17.03	178	412832	19.259	ng/ul	96
17) Fluoranthene	18.97	202	418446	17.191	ng/ul#	96
20) Pyrene	19.33	202	431273	16.010	ng/ul	97
21) Benzo(a)anthracene	21.10	228	448185	19.786	ng/ul	98
22) Chrysene	21.15	228	396007	19.014	ng/ul	96
24) Benzo(b)fluoranthene	22.63	252	428913	19.329	ng/ul#	96
25) Benzo(k)fluoranthene	22.67	252	400646	19.004	ng/ul#	95
27) Benzo(a)pyrene	23.19	252	400560	19.017	ng/ul#	97
28) Indeno(1,2,3-cd)pyrene	25.43	276	478959	19.757	ng/ul	95
29) Dibenzo(a,h)anthracene	25.43	278	404527	19.937	ng/ul#	97
30) Benzo(g,h,i)perylene	26.08	276	381019	19.731	ng/ul#	93

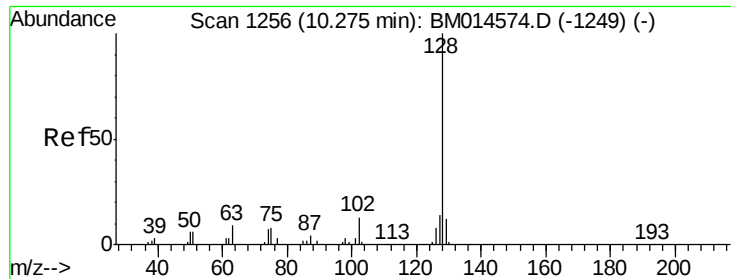
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM031518\
Data File : BM014596.D
Acq On : 16 Mar 2018 03:04
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02051

Quant Time: Mar 16 15:25:32 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031518-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 16 15:09:29 2018
Response via : Initial Calibration





#4

Naphthalene

Concen: 18.588 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

Instrument :

BNA_M

ClientSampleId :

SSTD02051

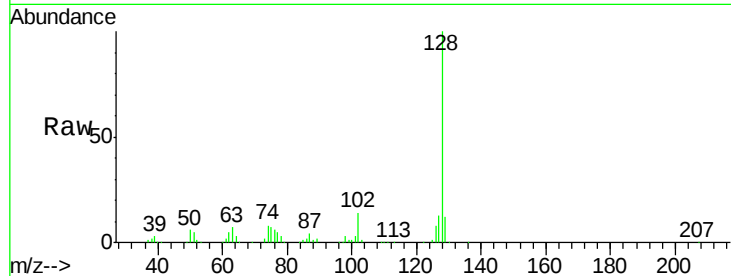
Tgt Ion:128 Resp: 386156

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

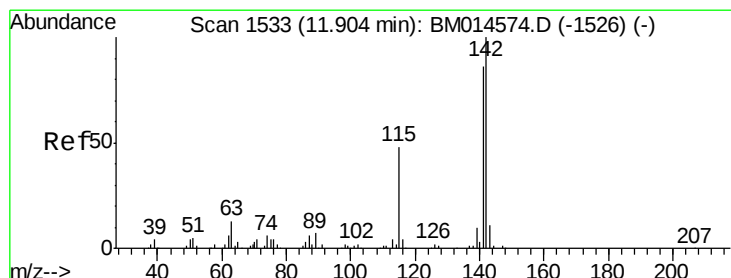
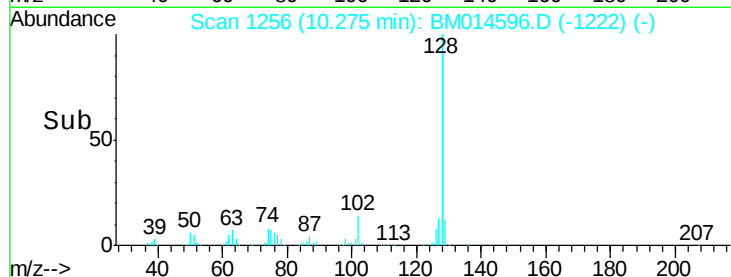
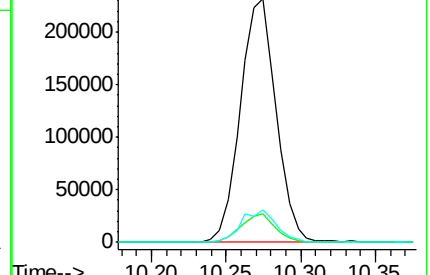
127 13.5 10.6 16.0



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



#5

2-Methylnaphthalene

Concen: 18.837 ng/ul

RT: 11.90 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BM014596.D

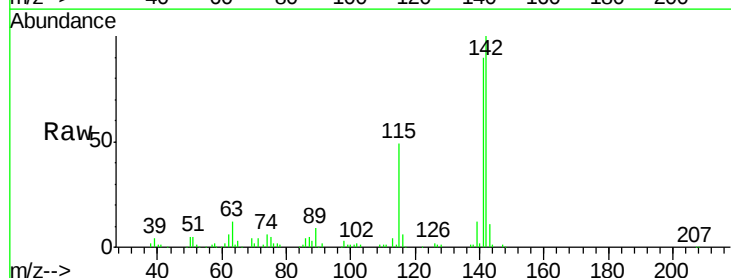
Acq: 16 Mar 2018 03:04

Tgt Ion:142 Resp: 273829

Ion Ratio Lower Upper

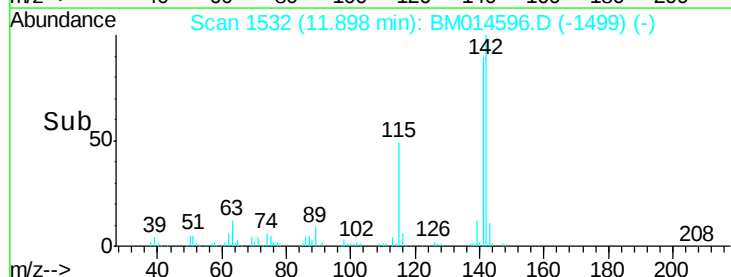
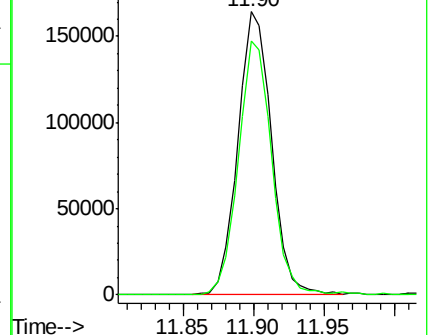
142 100

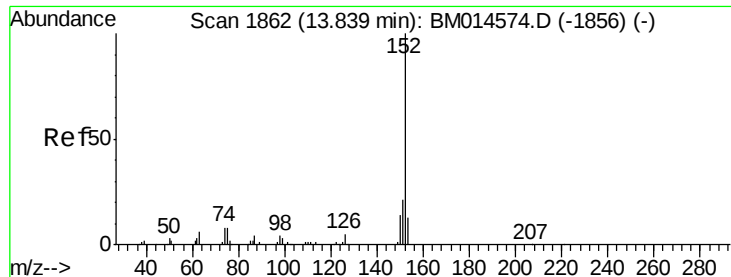
141 89.9 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.135 ng/ul

RT: 13.84 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

Instrument :

BNA_M

ClientSampleId :

SSTD02051

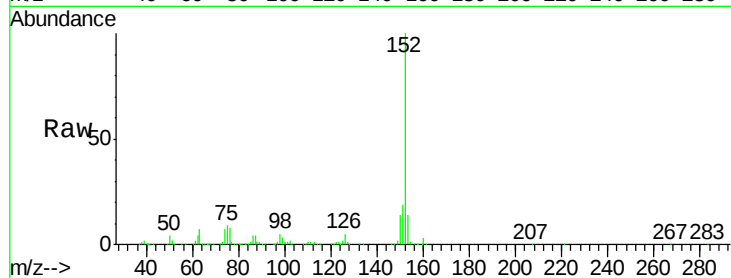
Tgt Ion:152 Resp: 400130

Ion Ratio Lower Upper

152 100

151 18.9 16.3 24.5

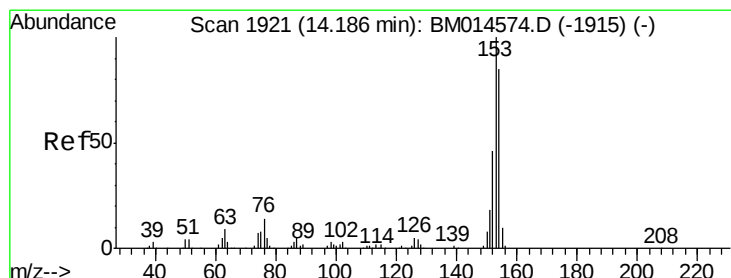
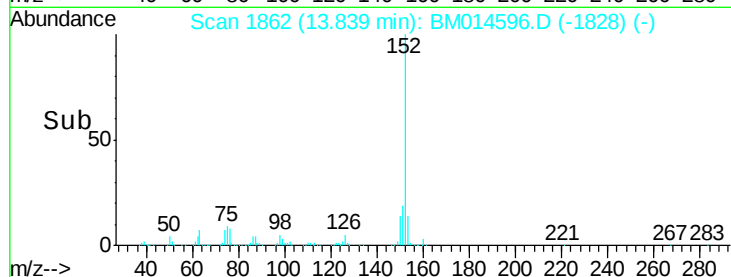
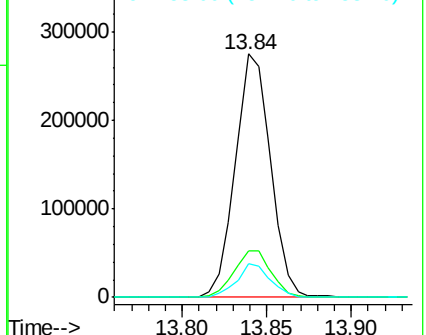
153 13.9 10.2 15.4



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: 18.564 ng/ul

RT: 14.19 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

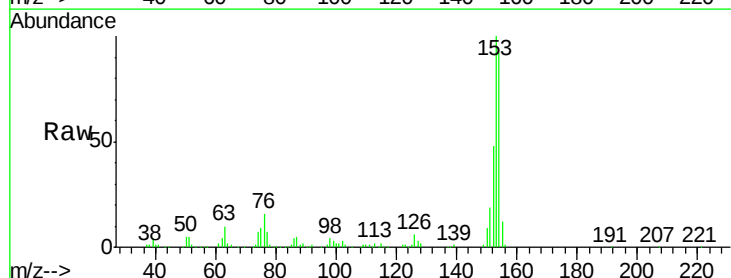
Tgt Ion:153 Resp: 265664

Ion Ratio Lower Upper

153 100

152 47.6 37.6 56.4

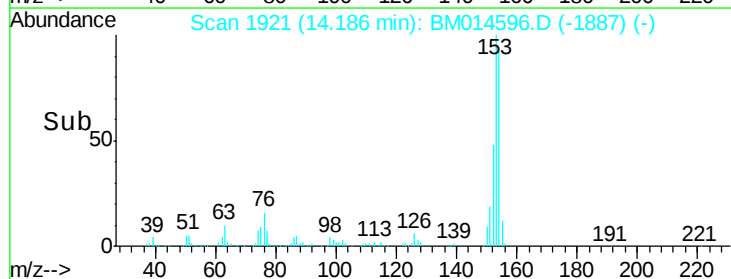
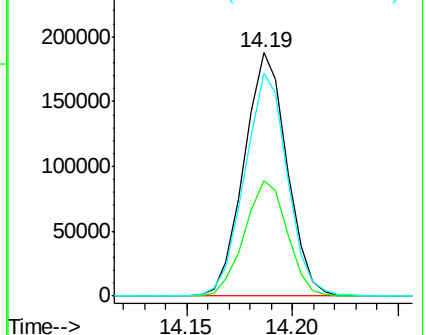
154 91.5 70.4 105.6

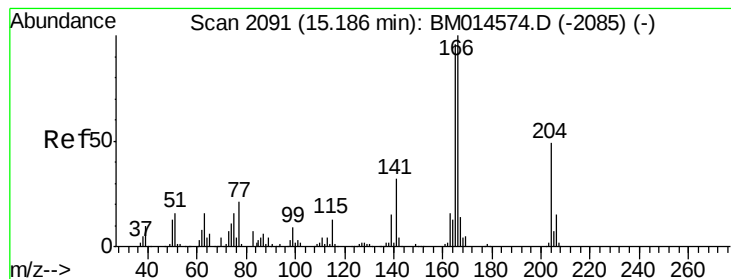


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 17.908 ng/ul

RT: 15.19 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

Instrument :

BNA_M

ClientSampleId :

SSTD02051

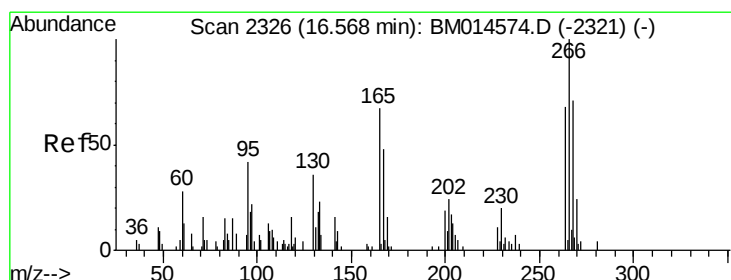
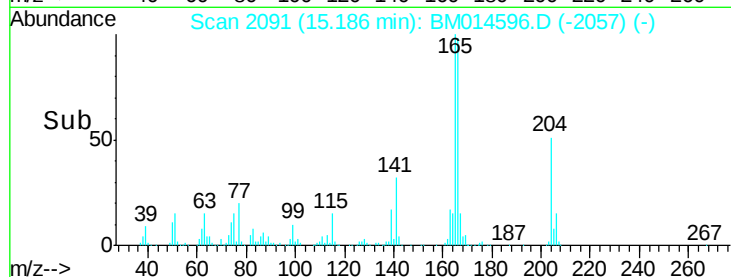
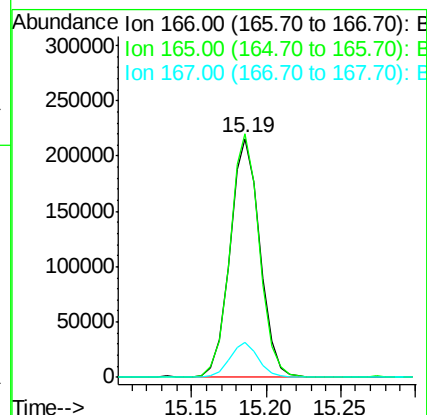
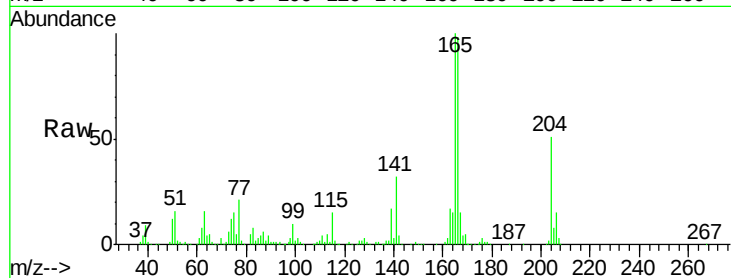
Tgt Ion:166 Resp: 303682

Ion Ratio Lower Upper

166 100

165 102.0 77.9 116.9

167 14.8 10.6 16.0



#13

Pentachlorophenol

Concen: 14.659 ng/ul

RT: 16.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

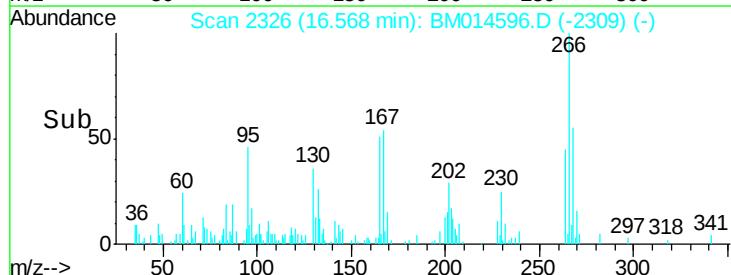
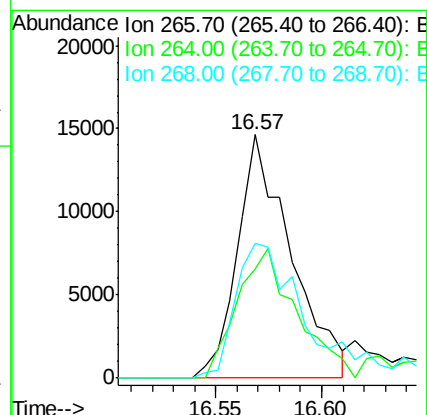
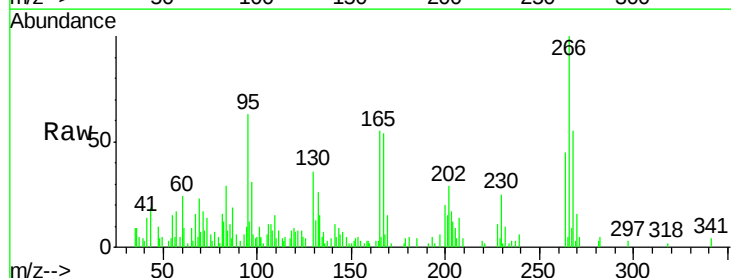
Tgt Ion:266 Resp: 25694

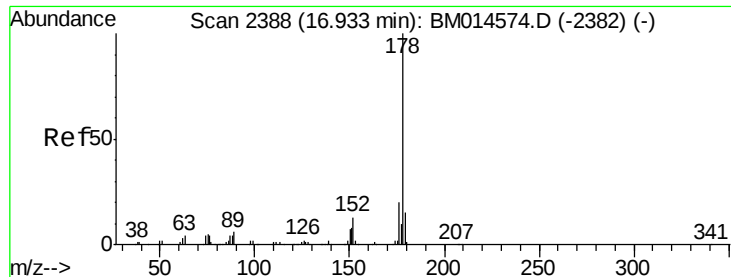
Ion Ratio Lower Upper

266 100

264 44.8 49.3 73.9#

268 55.4 52.6 78.8





#14

Phenanthrene

Concen: 18.878 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

Instrument :

BNA_M

ClientSampleId :

SSTD02051

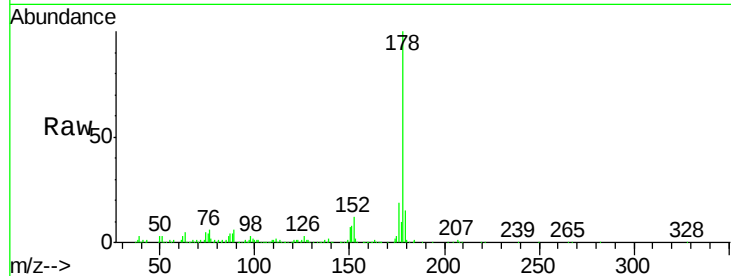
Tgt Ion:178 Resp: 404822

Ion Ratio Lower Upper

178 100

179 14.6 12.6 19.0

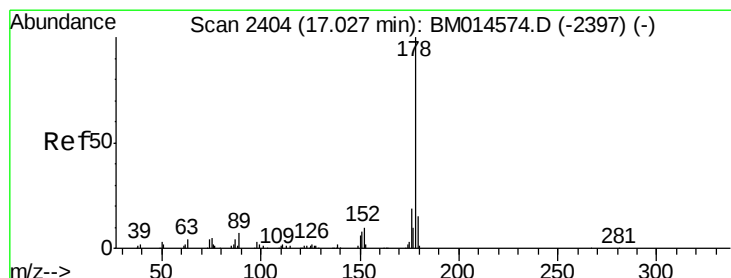
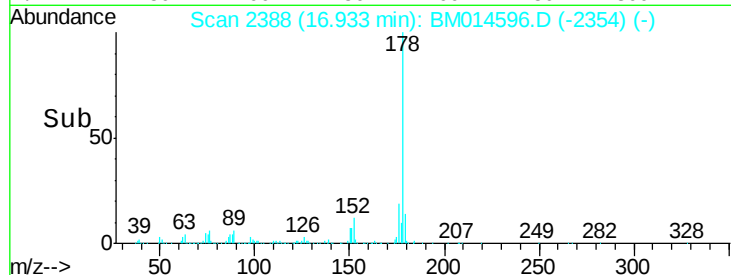
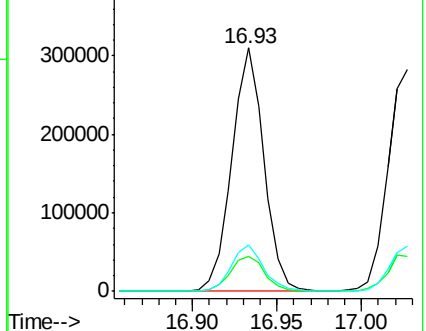
176 19.2 14.9 22.3



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

Anthracene

Concen: 19.259 ng/ul

RT: 17.03 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

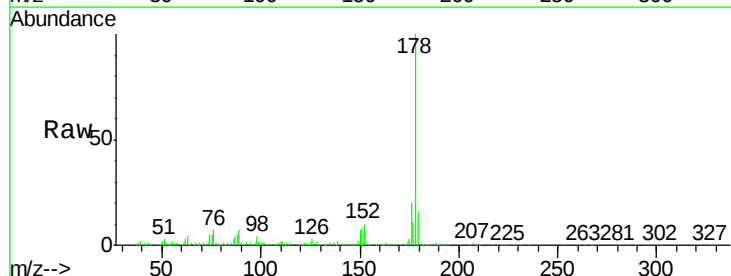
Tgt Ion:178 Resp: 412832

Ion Ratio Lower Upper

178 100

179 15.8 11.7 17.5

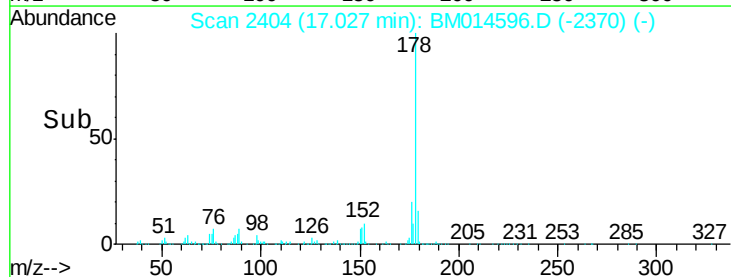
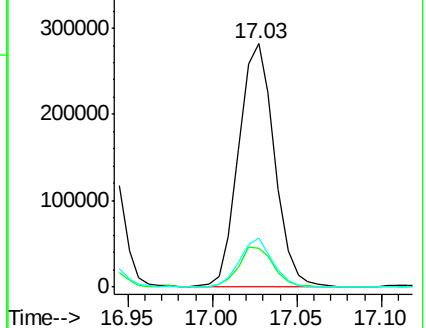
176 20.4 14.6 21.8

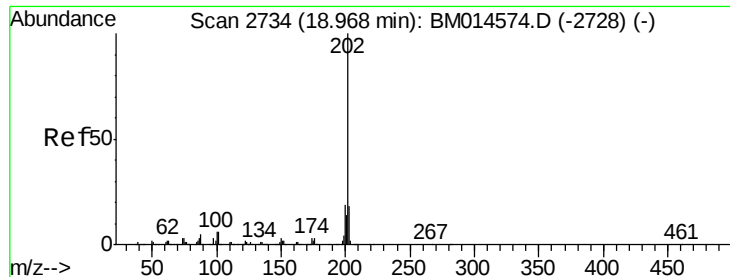


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 17.191 ng/ul

RT: 18.97 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

Instrument :

BNA_M

ClientSampleId :

SSTD02051

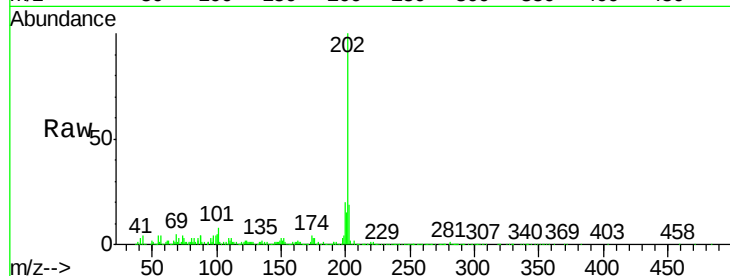
Tgt Ion:202 Resp: 418446

Ion Ratio Lower Upper

202 100

101 7.6 4.6 7.0#

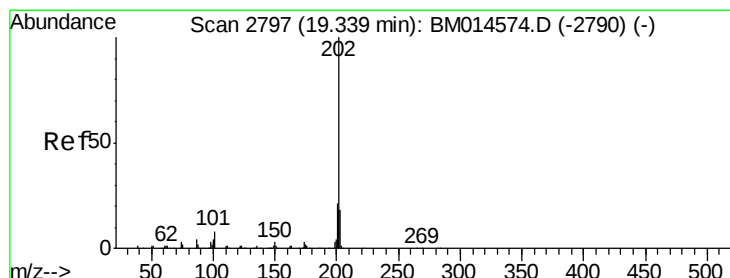
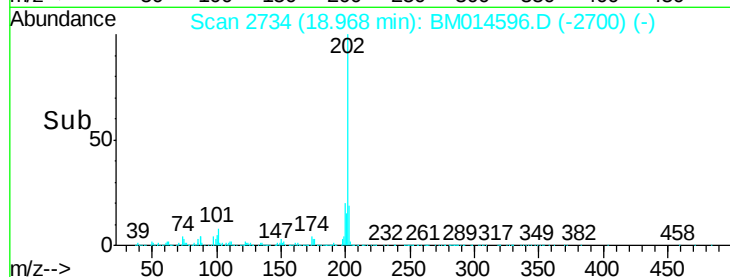
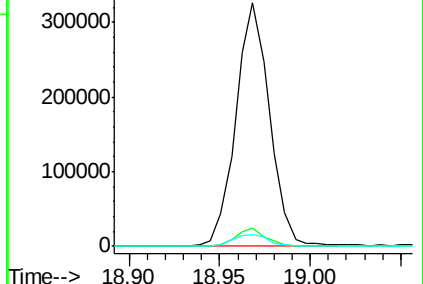
100 4.8 3.4 5.2



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



#20

Pyrene

Concen: 16.010 ng/ul

RT: 19.33 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

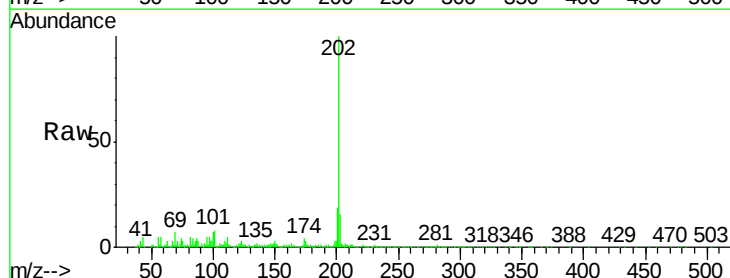
Tgt Ion:202 Resp: 431273

Ion Ratio Lower Upper

202 100

101 7.6 5.1 7.7

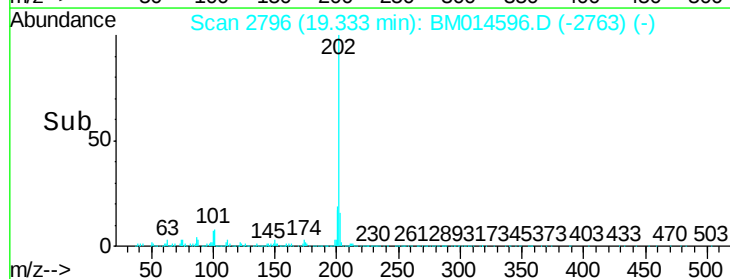
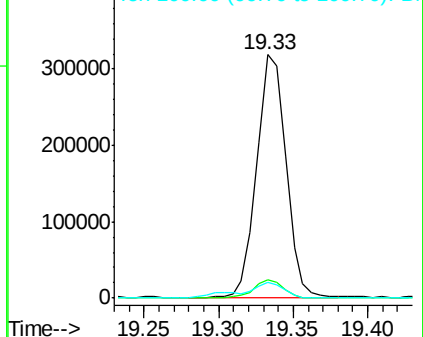
100 6.7 4.9 7.3

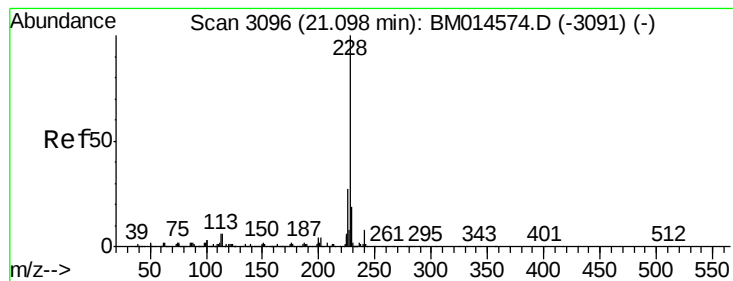


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 19.786 ng/ul

RT: 21.10 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

Instrument :

BNA_M

ClientSampleId :

SSTD02051

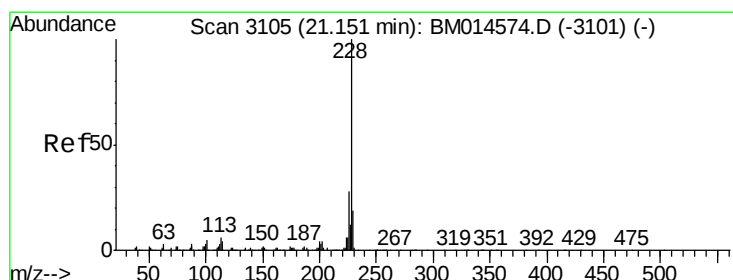
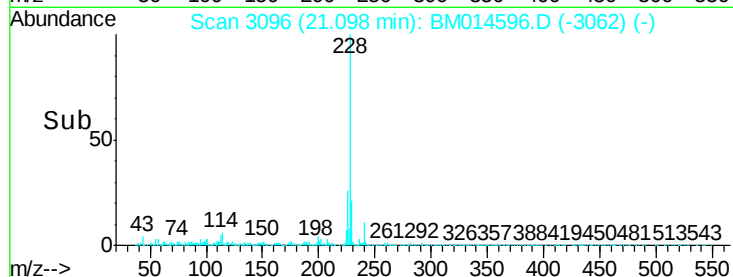
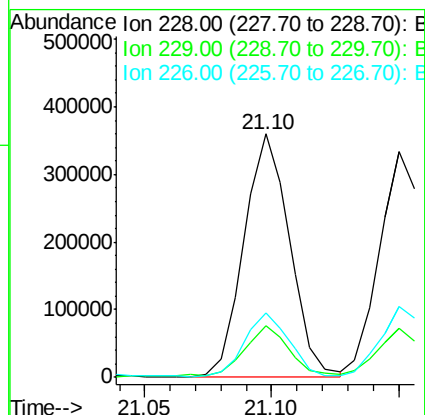
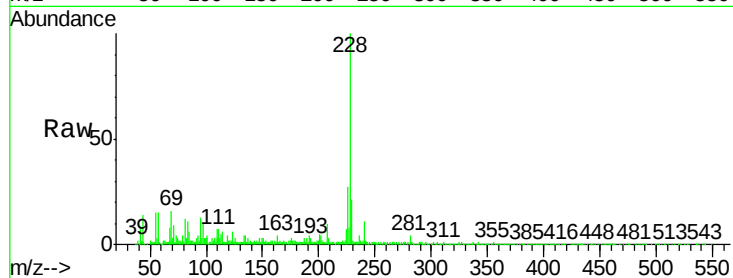
Tgt Ion:228 Resp: 448185

Ion Ratio Lower Upper

228 100

229 21.3 15.4 23.0

226 26.6 21.4 32.0



#22

Chrysene

Concen: 19.014 ng/ul

RT: 21.15 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

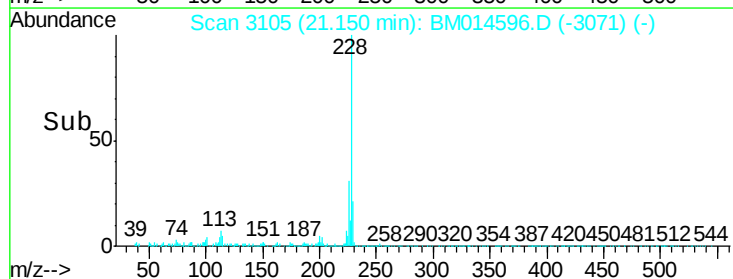
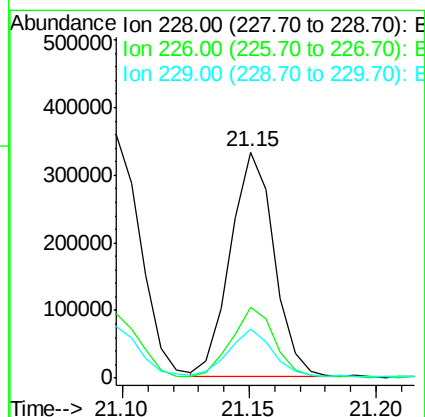
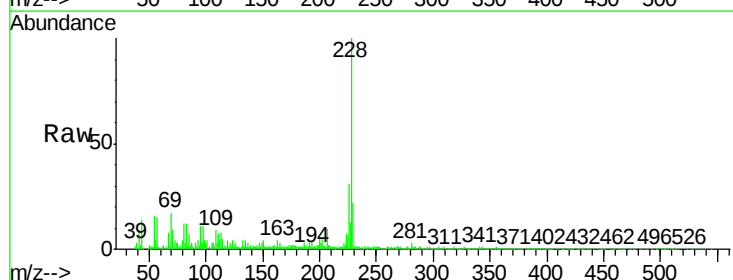
Tgt Ion:228 Resp: 396007

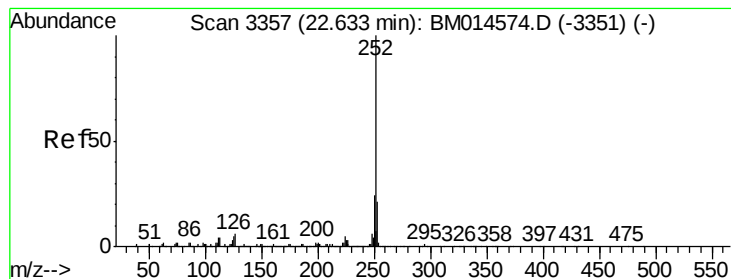
Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.2

229 21.6 15.5 23.3





#24

Benzo(b)fluoranthene

Concen: 19.329 ng/ul

RT: 22.63 min Scan# 3357

Delta R.T. -0.00 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

Instrument :

BNA_M

ClientSampleId :

SSTD02051

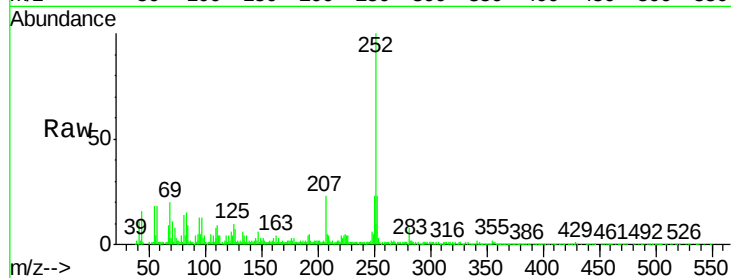
Tgt Ion:252 Resp: 428913

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

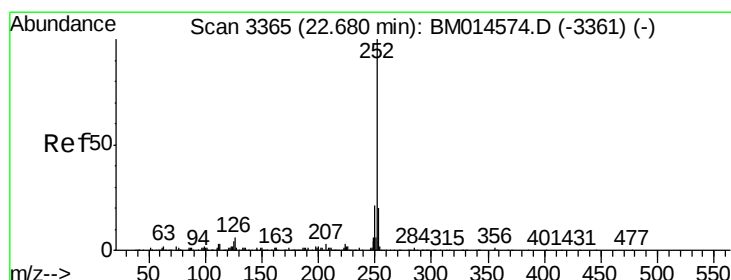
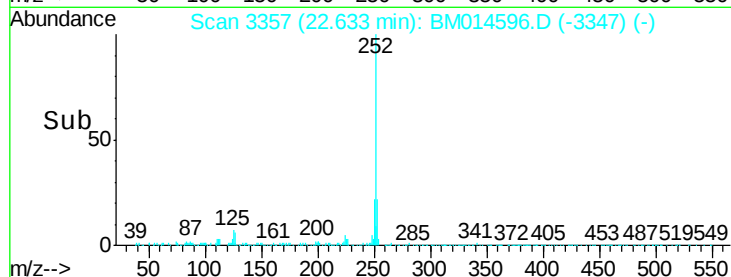
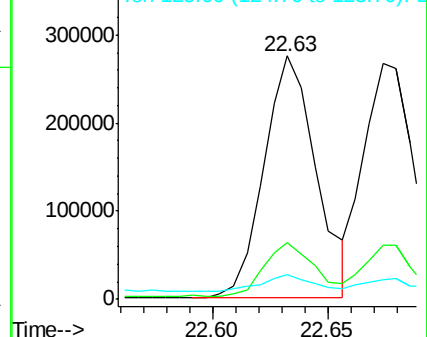
125 10.1 3.6 5.4#



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



#25

Benzo(k)fluoranthene

Concen: 19.004 ng/ul

RT: 22.67 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

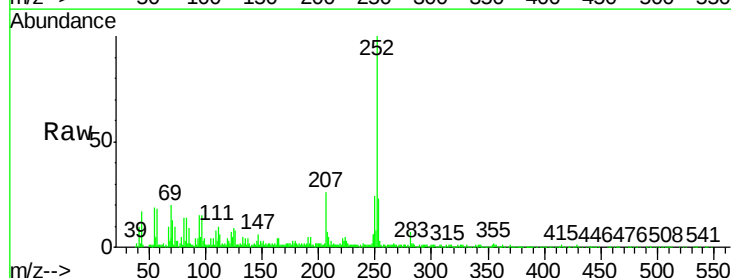
Tgt Ion:252 Resp: 400646

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

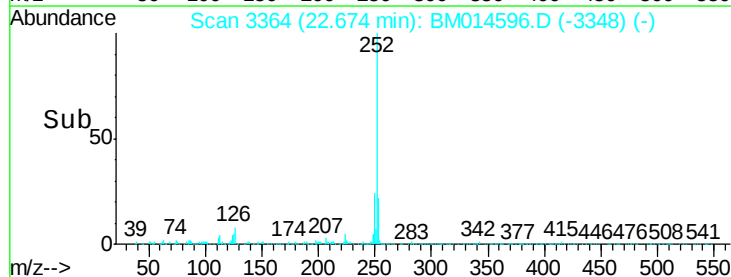
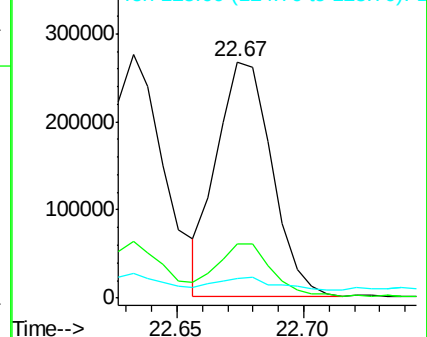
125 8.5 3.4 5.2#

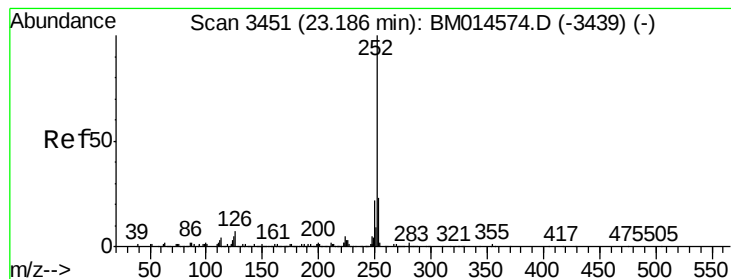


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 19.017 ng/ul

RT: 23.19 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

Instrument :

BNA_M

ClientSampleId :

SSTD02051

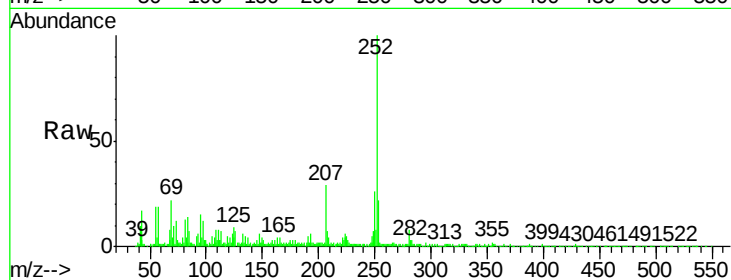
Tgt Ion:252 Resp: 400560

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

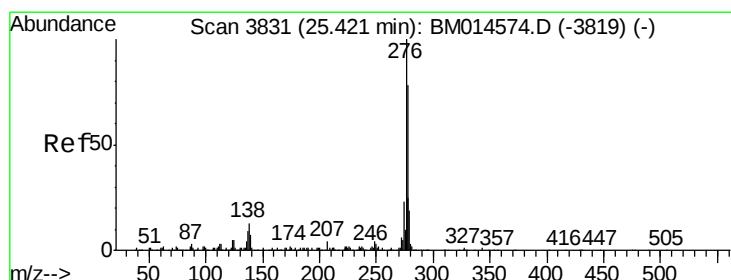
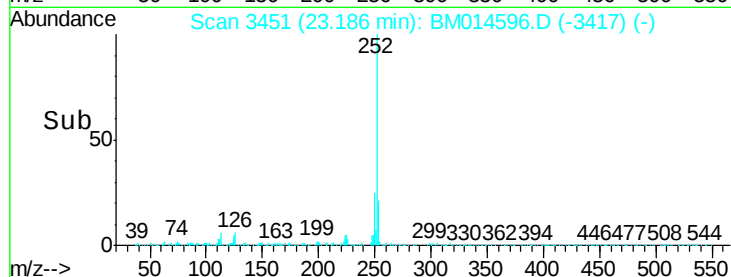
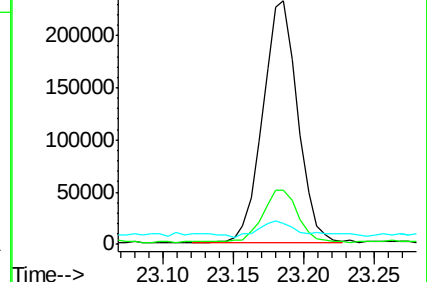
125 8.6 4.0 6.0#



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 19.757 ng/ul

RT: 25.43 min Scan# 3832

Delta R.T. 0.01 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

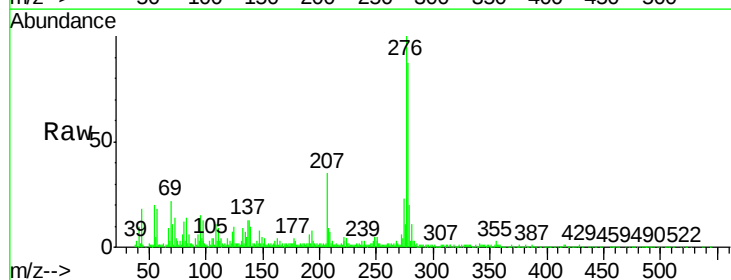
Tgt Ion:276 Resp: 478959

Ion Ratio Lower Upper

276 100

138 12.9 9.3 13.9

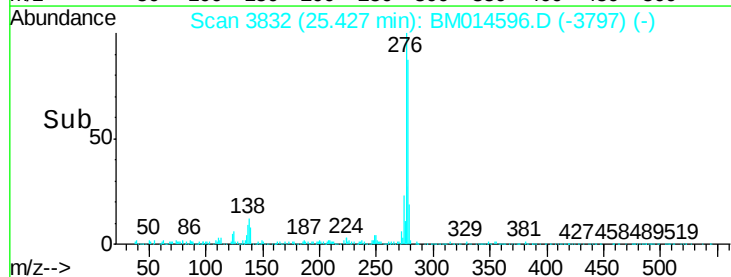
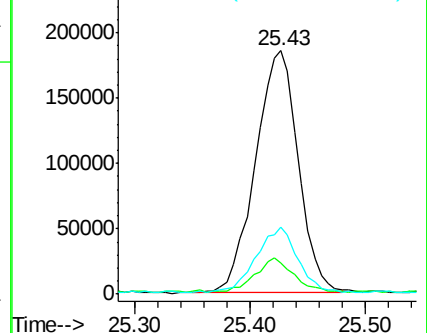
277 27.4 19.9 29.9

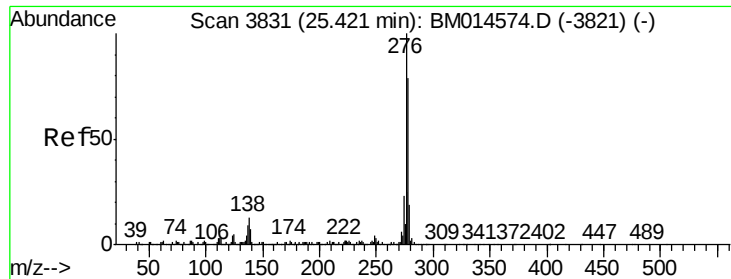


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 19.937 ng/ul

RT: 25.43 min Scan# 3832

Delta R.T. 0.01 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

Instrument :

BNA_M

ClientSampleId :

SSTD02051

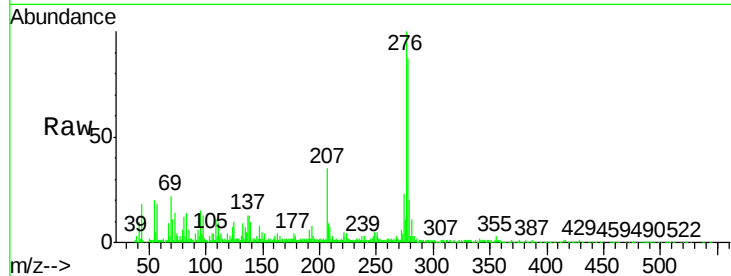
Tgt Ion:278 Resp: 404527

Ion Ratio Lower Upper

278 100

139 11.4 5.8 8.8#

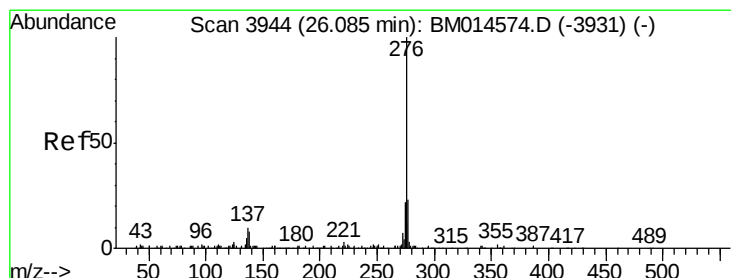
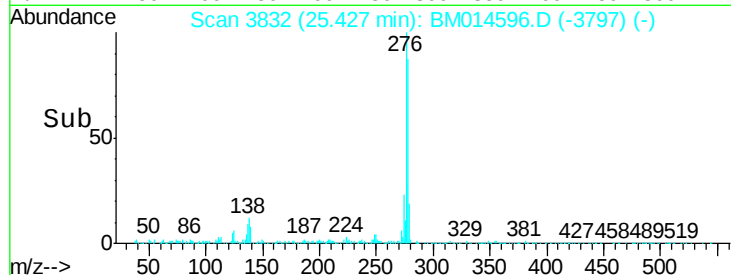
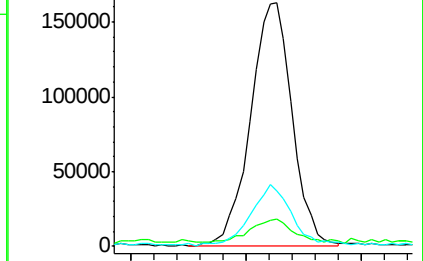
279 22.9 18.6 27.8



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



#30

Benzo(g,h,i)perylene

Concen: 19.731 ng/ul

RT: 26.08 min Scan# 3943

Delta R.T. -0.01 min

Lab File: BM014596.D

Acq: 16 Mar 2018 03:04

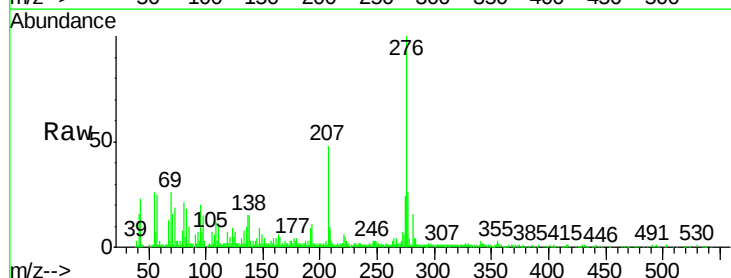
Tgt Ion:276 Resp: 381019

Ion Ratio Lower Upper

276 100

138 15.2 8.5 12.7#

277 25.5 18.6 28.0



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

