

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM031518\
 Data File : BM014601.D
 Acq On : 16 Mar 2018 06:04
 Operator : SJ/JU
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02052

Quant Time: Mar 16 15:27:15 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

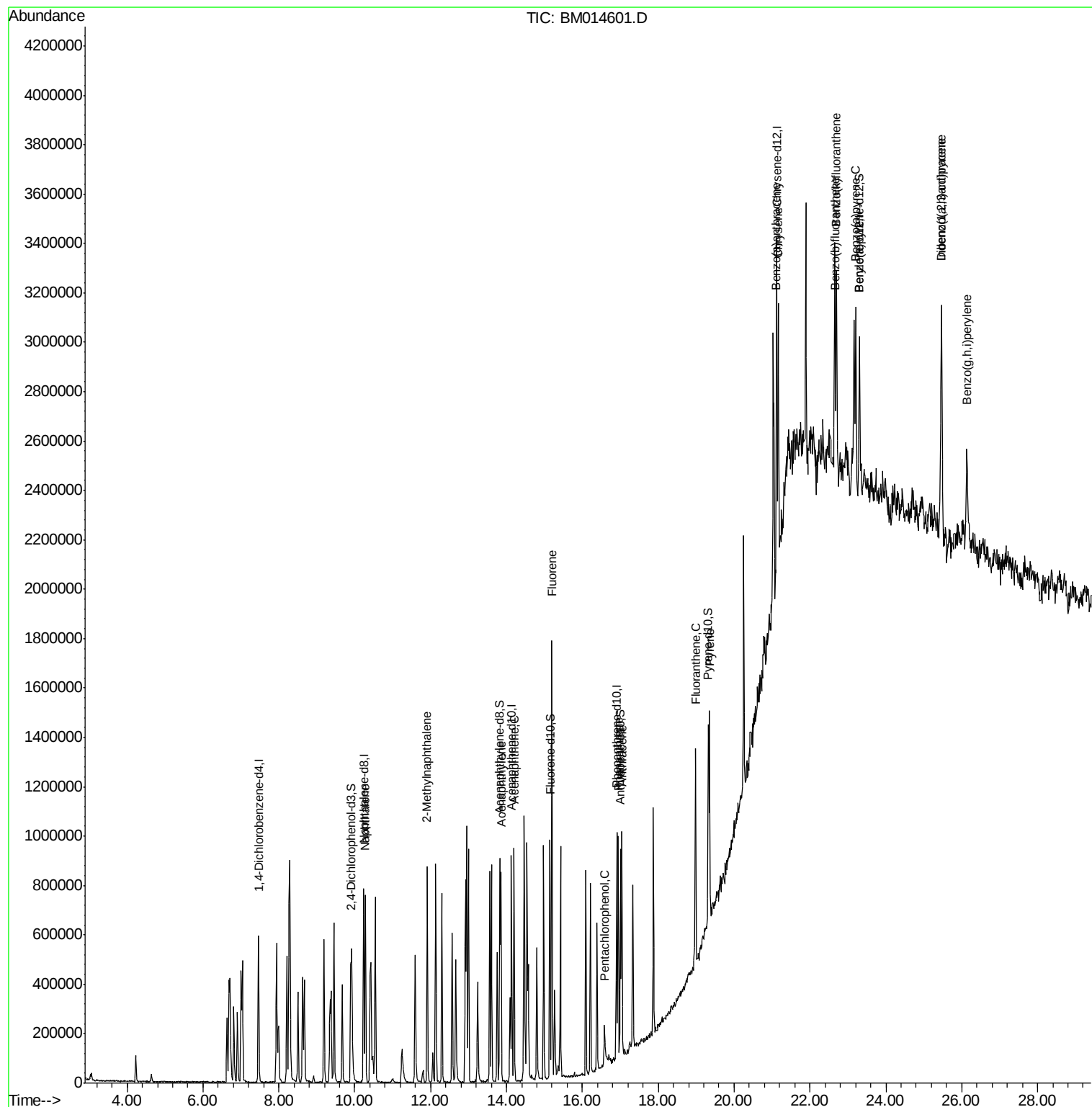
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	130489	20.00	ng/ul	0.01
2) Naphthalene-d8	10.23	136	535496	20.00	ng/ul	0.01
6) Acenaphthene-d10	14.13	164	266983	20.00	ng/ul	0.01
12) Phenanthrene-d10	16.90	188	448013	20.00	ng/ul	0.01
18) Chrysene-d12	21.13	240	399482	20.00	ng/ul	0.02
23) Perylene-d12	23.30	264	381785	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.90	165	169906	20.53	ng/ul	0.01
7) Acenaphthylene-d8	13.83	160	554815	19.44	ng/ul	0.02
10) Fluorene-d10	15.14	176	334052	17.87	ng/ul	0.02
15) Anthracene-d10	17.00	188	401436	18.72	ng/ul	0.01
19) Pyrene-d10	19.32	212	369042	15.37	ng/ul	0.02
26) Benzo(a)pyrene-d12	23.30	264	381273	20.64	ng/ul	0.16
Target Compounds				Qvalue		
4) Naphthalene	10.29	128	521421	19.172	ng/ul	99
5) 2-Methylnaphthalene	11.91	142	362303	19.038	ng/ul	97
8) Acenaphthylene	13.86	152	517951	19.557	ng/ul	100
9) Acenaphthene	14.20	153	342393	18.891	ng/ul	98
11) Fluorene	15.20	166	366862	17.081	ng/ul	98
13) Pentachlorophenol	16.59	266	30490	14.867	ng/ul	85
14) Phenanthrene	16.94	178	466836	18.606	ng/ul	98
16) Anthracene	17.04	178	480170	19.145	ng/ul	98
17) Fluoranthene	18.99	202	467715	16.423	ng/ul	99
20) Pyrene	19.35	202	460627	15.332	ng/ul	98
21) Benzo(a)anthracene	21.12	228	478338	18.935	ng/ul	100
22) Chrysene	21.17	228	444651	19.143	ng/ul	98
24) Benzo(b)fluoranthene	22.66	252	478174	19.921	ng/ul#	97
25) Benzo(k)fluoranthene	22.70	252	439641	19.279	ng/ul#	92
27) Benzo(a)pyrene	23.21	252	445746	19.564	ng/ul#	95
28) Indeno(1,2,3-cd)pyrene	25.47	276	506586	19.319	ng/ul#	91
29) Dibenzo(a,h)anthracene	25.47	278	426062	19.412	ng/ul#	92
30) Benzo(g,h,i)perylene	26.14	276	412894	19.767	ng/ul#	89

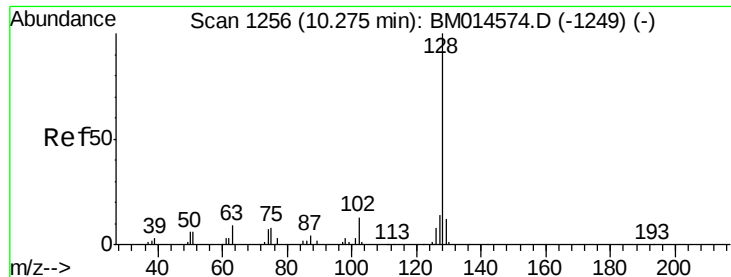
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM031518\
Data File : BM014601.D
Acq On : 16 Mar 2018 06:04
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
Client Sampled :
SSTD02052

Quant Time: Mar 16 15:27:15 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: 19.172 ng/ul

RT: 10.29 min Scan# 1258

Delta R.T. 0.01 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

Instrument :

BNA_M

ClientSampleId :

SSTD02052

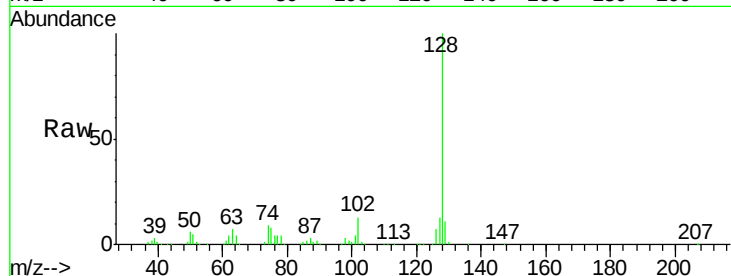
Tgt Ion:128 Resp: 521421

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

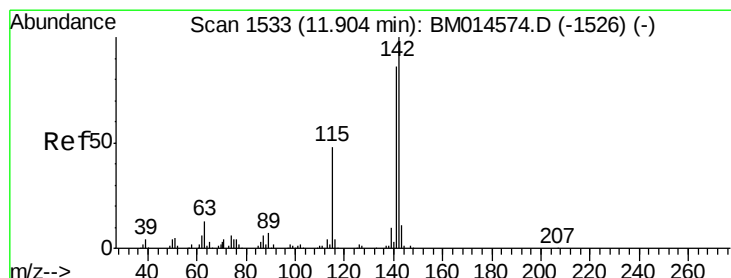
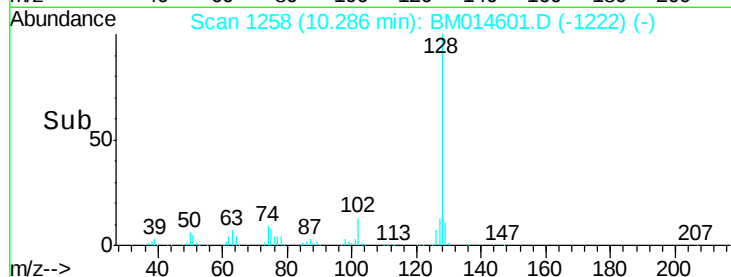
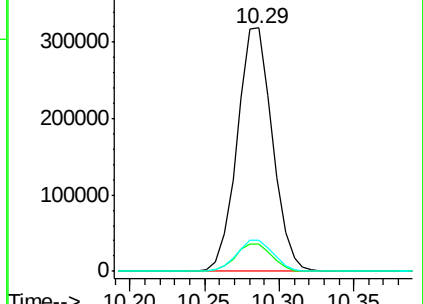
127 12.8 10.6 16.0



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: 19.038 ng/ul

RT: 11.91 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BM014601.D

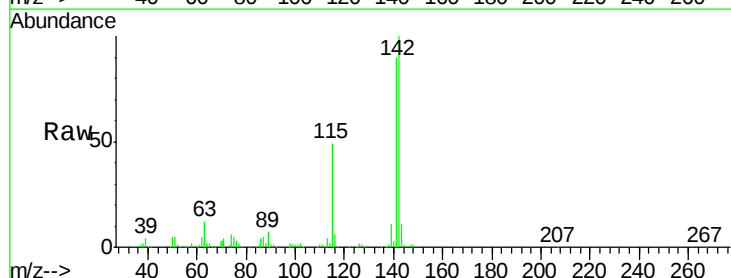
Acq: 16 Mar 2018 06:04

Tgt Ion:142 Resp: 362303

Ion Ratio Lower Upper

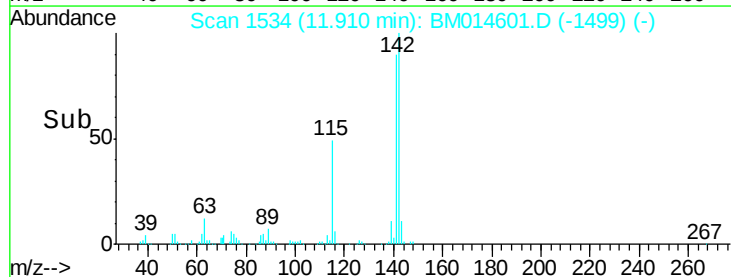
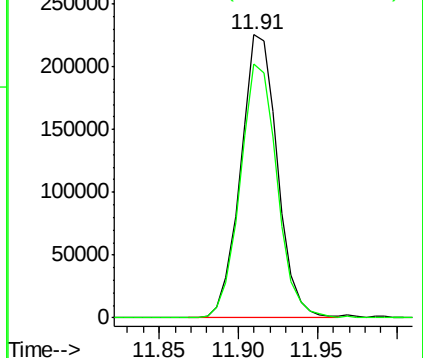
142 100

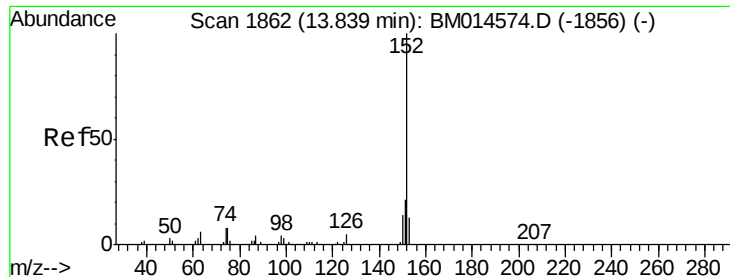
141 89.6 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.557 ng/ul

RT: 13.86 min Scan# 1865

Delta R.T. 0.02 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

Instrument :

BNA_M

ClientSampleId :

SSTD02052

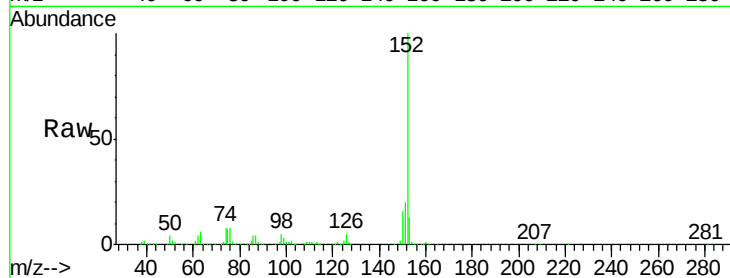
Tgt Ion:152 Resp: 517951

Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

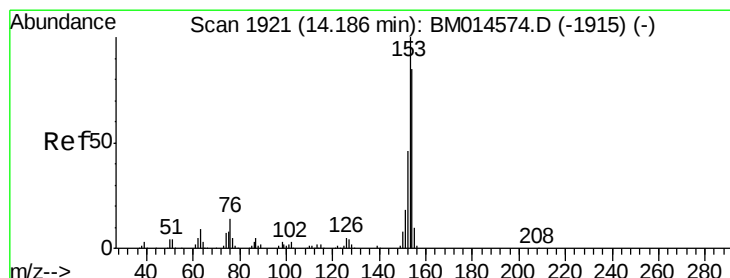
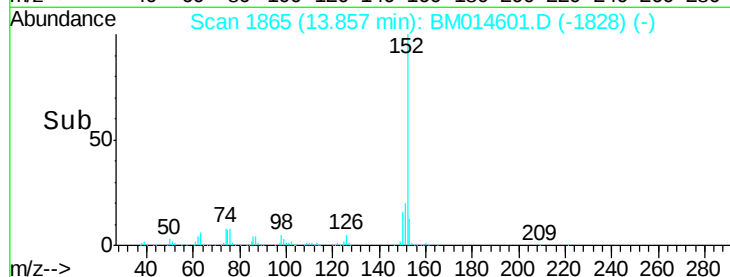
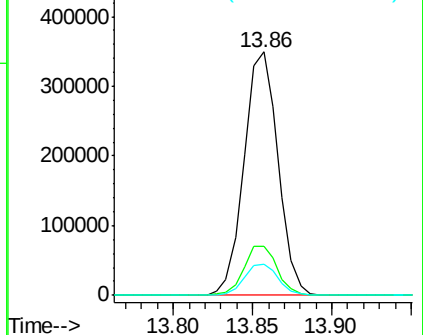
153 12.9 10.2 15.4



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: 18.891 ng/ul

RT: 14.20 min Scan# 1923

Delta R.T. 0.01 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

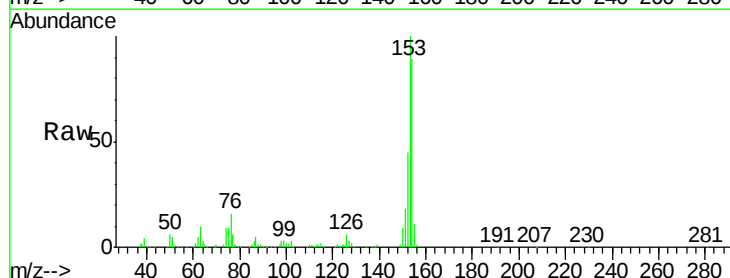
Tgt Ion:153 Resp: 342393

Ion Ratio Lower Upper

153 100

152 44.6 37.6 56.4

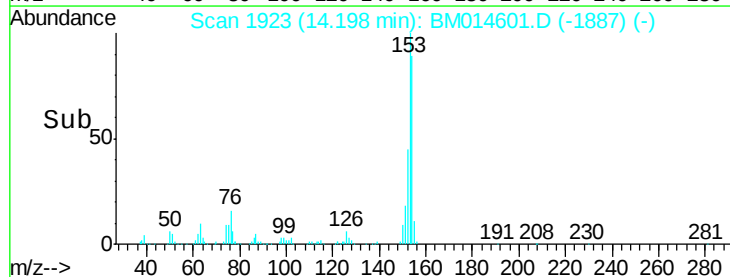
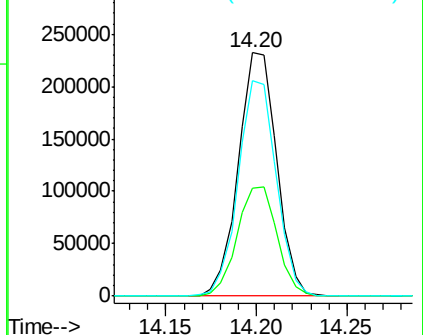
154 88.7 70.4 105.6

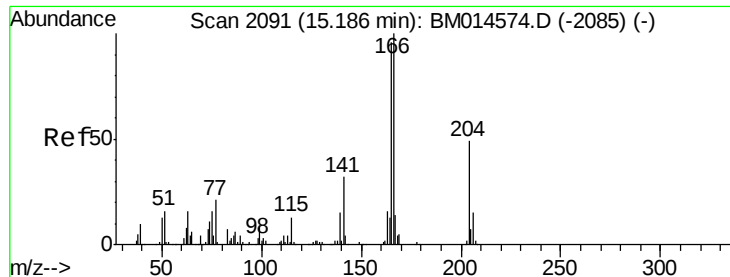


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 17.081 ng/ul

RT: 15.20 min Scan# 2093

Delta R.T. 0.01 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

Instrument :

BNA_M

ClientSampleId :

SSTD02052

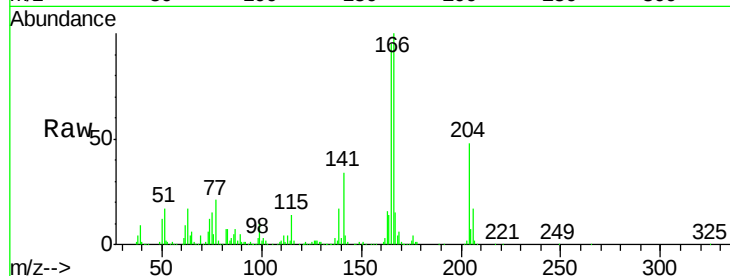
Tgt Ion:166 Resp: 366862

Ion Ratio Lower Upper

166 100

165 95.5 77.9 116.9

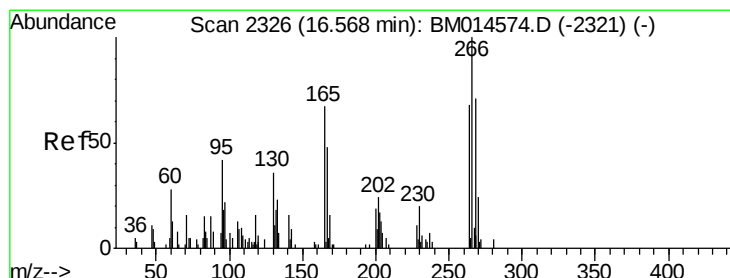
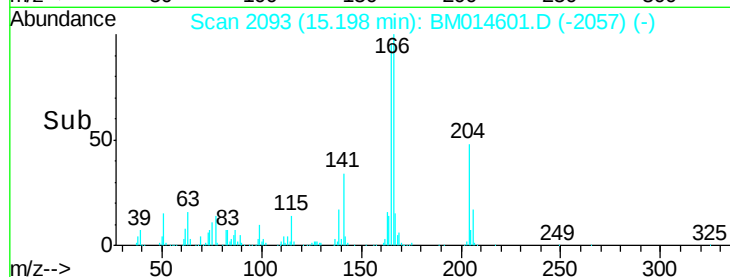
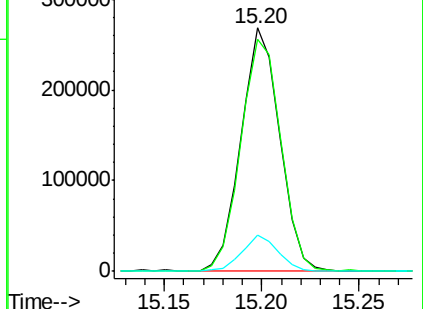
167 14.8 10.6 16.0



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

Pentachlorophenol

Concen: 14.867 ng/ul

RT: 16.59 min Scan# 2329

Delta R.T. 0.02 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

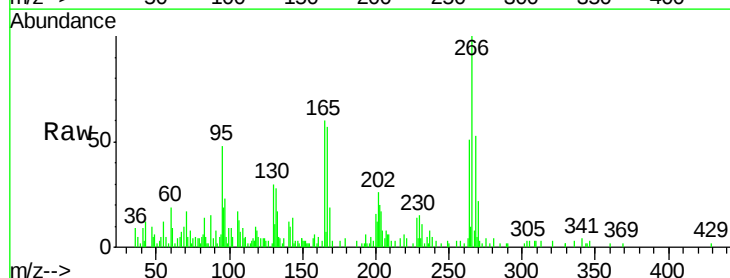
Tgt Ion:266 Resp: 30490

Ion Ratio Lower Upper

266 100

264 51.4 49.3 73.9

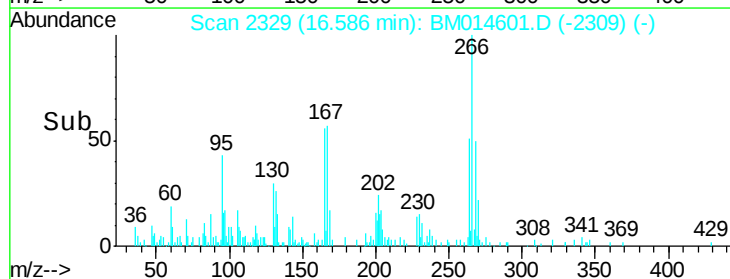
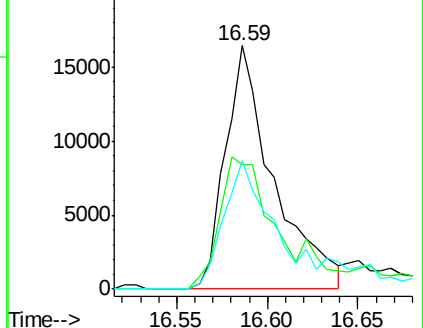
268 52.8 52.6 78.8

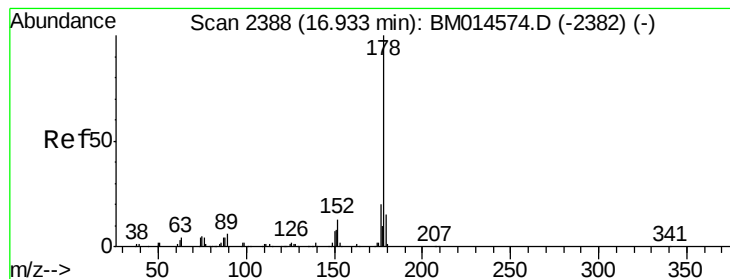


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 18.606 ng/ul

RT: 16.94 min Scan# 2390

Delta R.T. 0.01 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

Instrument :

BNA_M

ClientSampleId :

SSTD02052

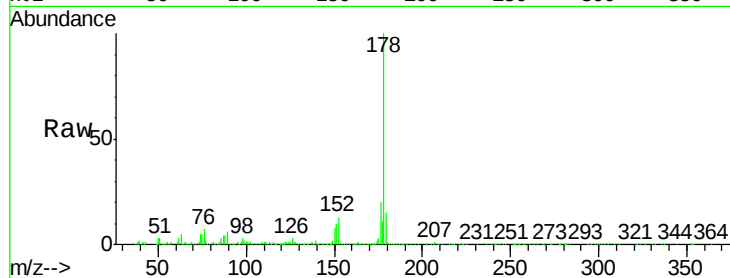
Tgt Ion:178 Resp: 466836

Ion Ratio Lower Upper

178 100

179 15.0 12.6 19.0

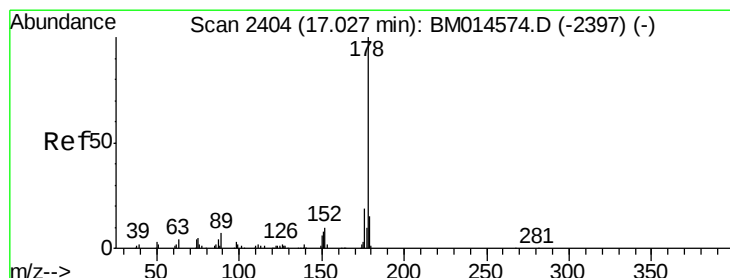
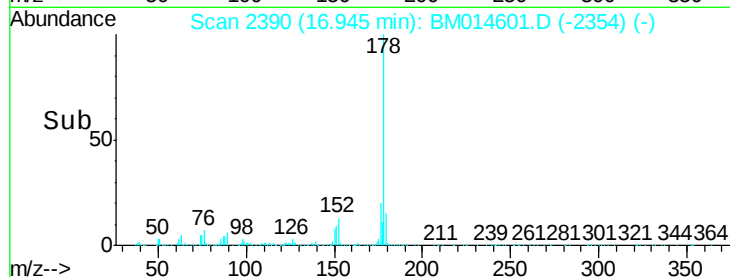
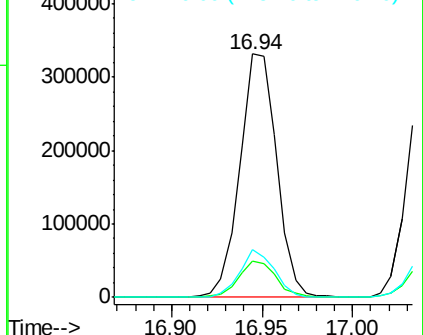
176 19.6 14.9 22.3



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: 19.145 ng/ul

RT: 17.04 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

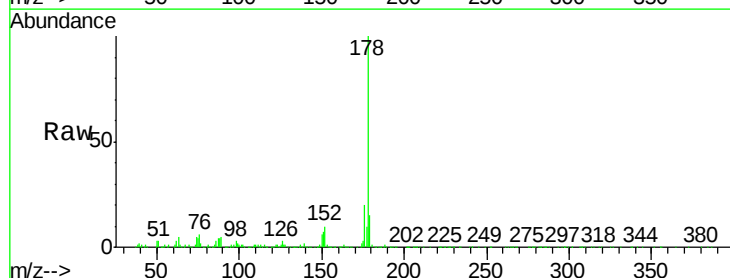
Tgt Ion:178 Resp: 480170

Ion Ratio Lower Upper

178 100

179 15.2 11.7 17.5

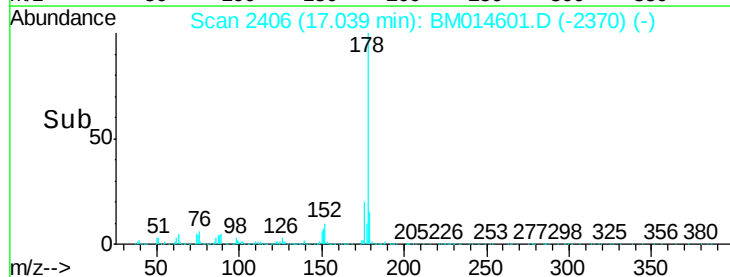
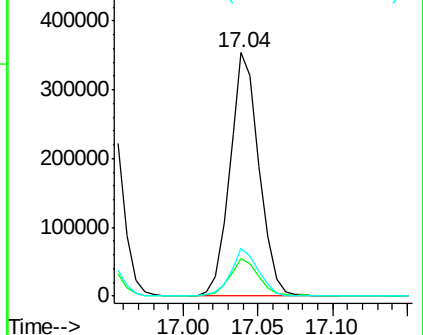
176 19.6 14.6 21.8

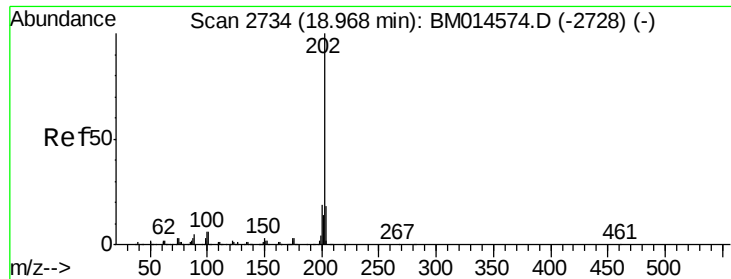


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 16.423 ng/ul

RT: 18.99 min Scan# 2737

Delta R.T. 0.02 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

Instrument :

BNA_M

ClientSampleId :

SSTD02052

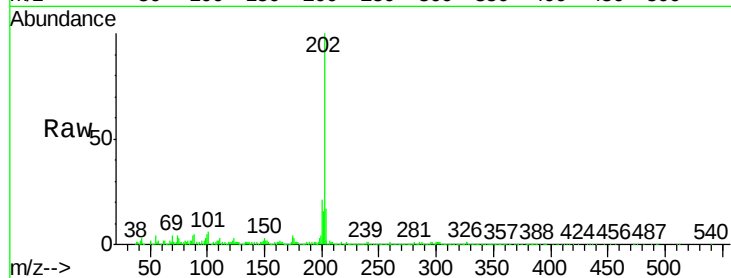
Tgt Ion:202 Resp: 467715

Ion Ratio Lower Upper

202 100

101 6.3 4.6 7.0

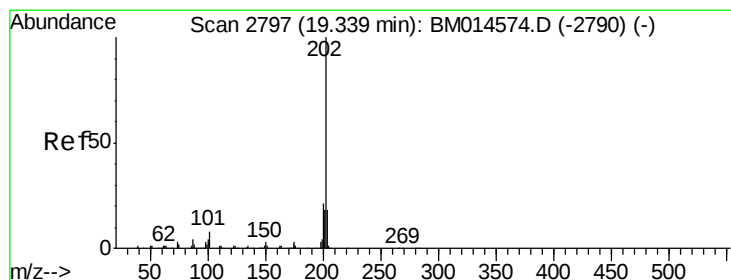
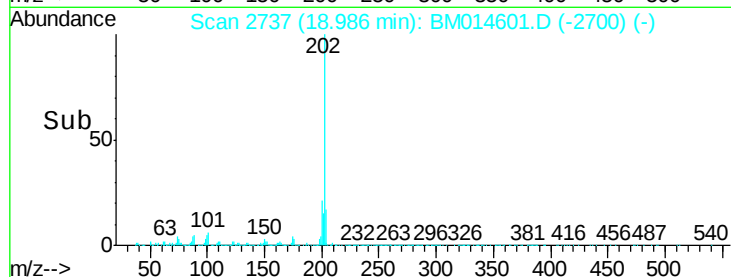
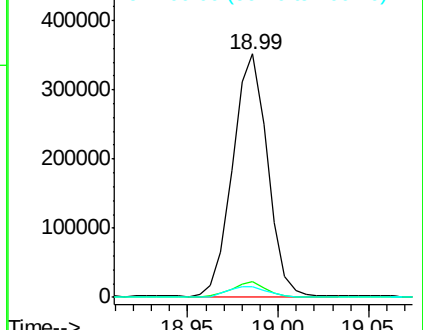
100 4.6 3.4 5.2



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: 15.332 ng/ul

RT: 19.35 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

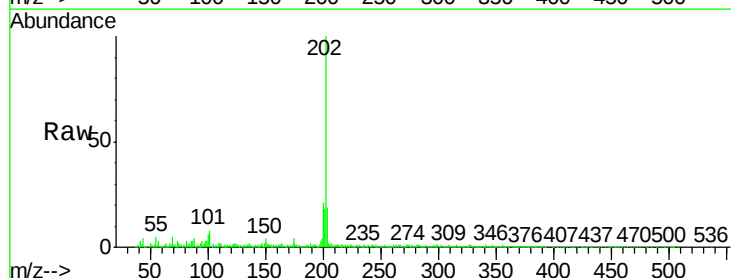
Tgt Ion:202 Resp: 460627

Ion Ratio Lower Upper

202 100

101 7.5 5.1 7.7

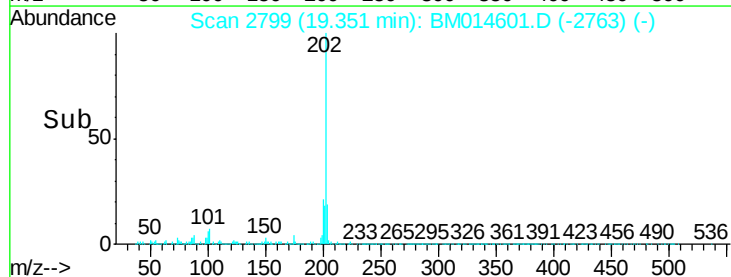
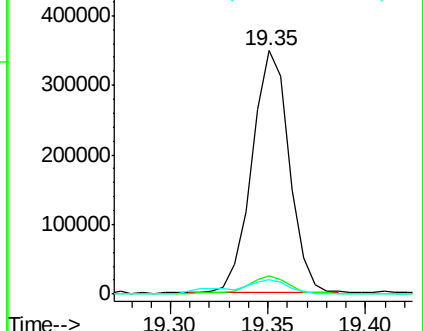
100 6.2 4.9 7.3

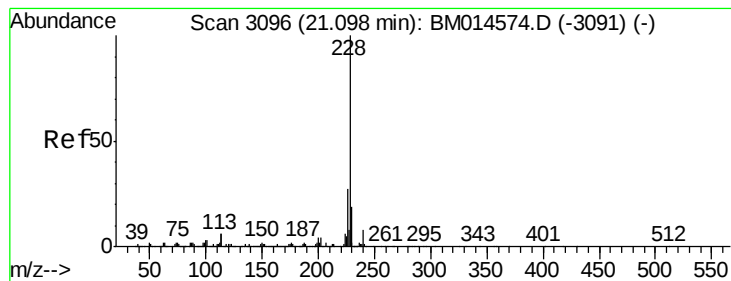


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 18.935 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. 0.02 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

Instrument :

BNA_M

ClientSampleId :

SSTD02052

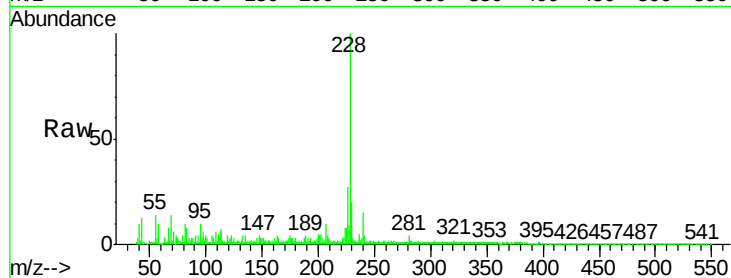
Tgt Ion:228 Resp: 478338

Ion Ratio Lower Upper

228 100

229 19.6 15.4 23.0

226 26.7 21.4 32.0

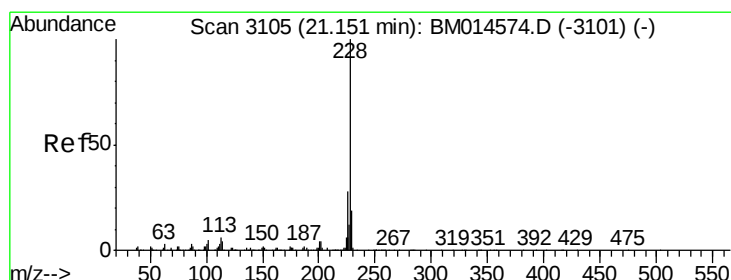
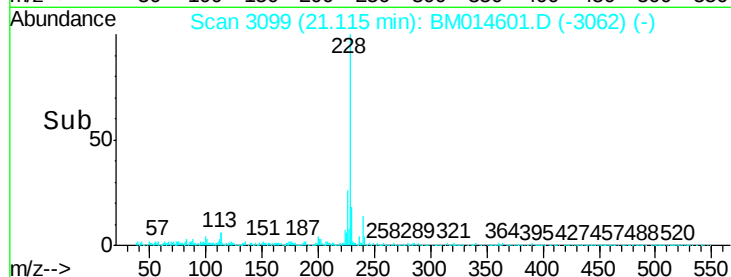
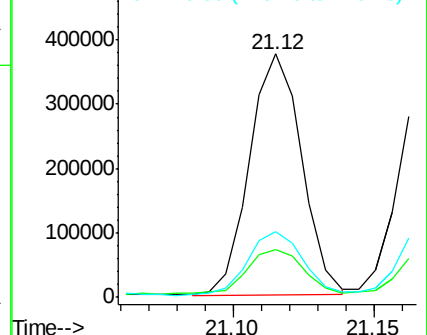


Abundance

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



#22

Chrysene

Concen: 19.143 ng/ul

RT: 21.17 min Scan# 3108

Delta R.T. 0.02 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

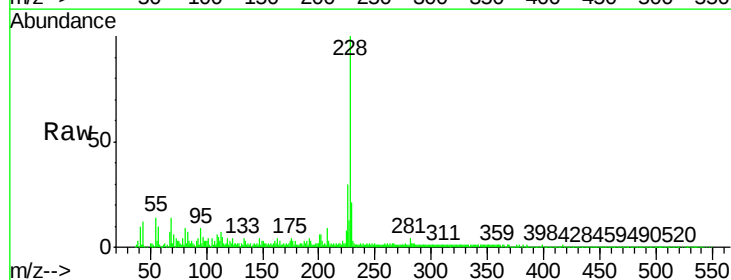
Tgt Ion:228 Resp: 444651

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

229 20.9 15.5 23.3

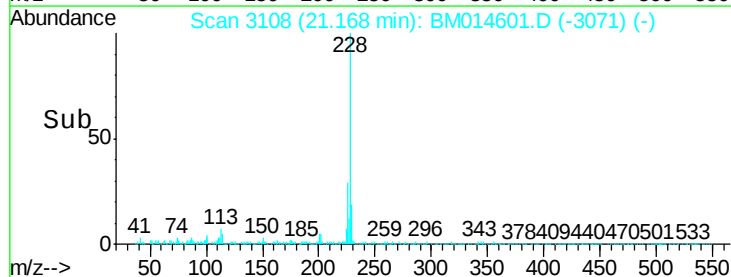
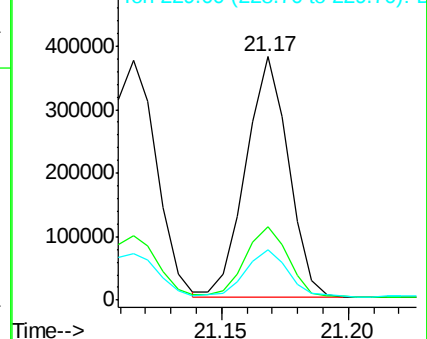


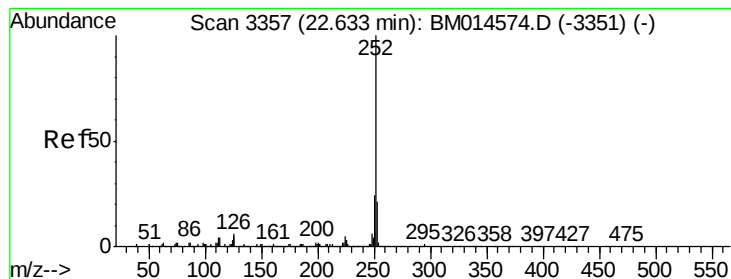
Abundance

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





#24

Benzo(b)fluoranthene

Concen: 19.921 ng/ul

RT: 22.66 min Scan# 3361

Delta R.T. 0.02 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

Instrument :

BNA_M

ClientSampleId :

SSTD02052

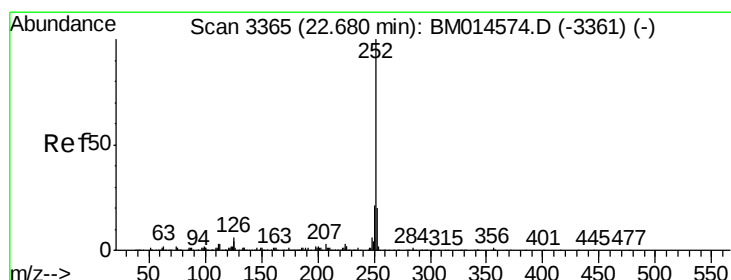
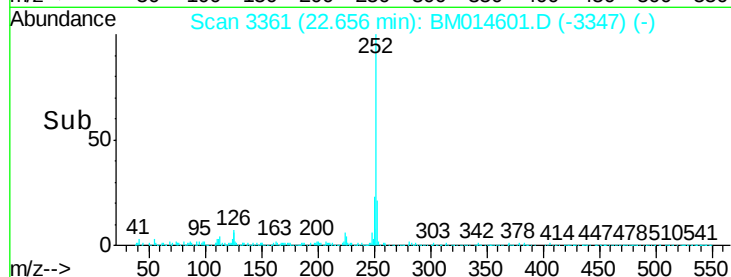
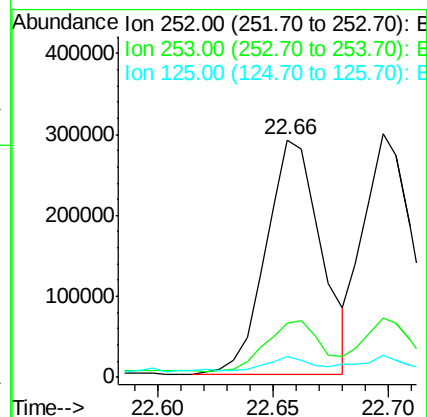
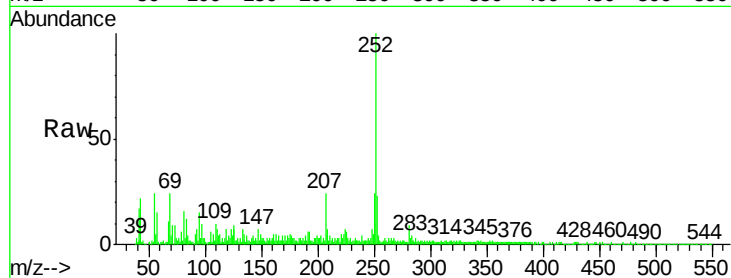
Tgt Ion:252 Resp: 478174

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

125 8.9 3.6 5.4#



#25

Benzo(k)fluoranthene

Concen: 19.279 ng/ul

RT: 22.70 min Scan# 3368

Delta R.T. 0.02 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

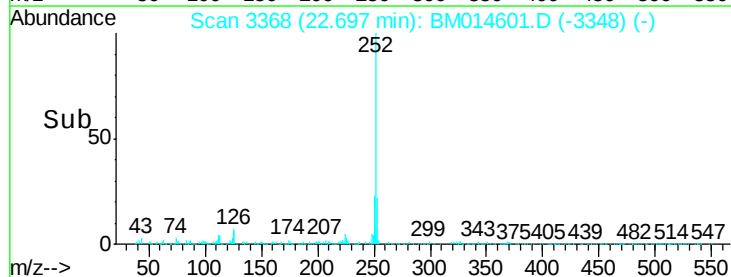
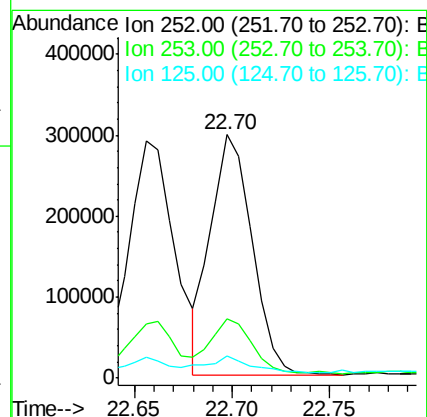
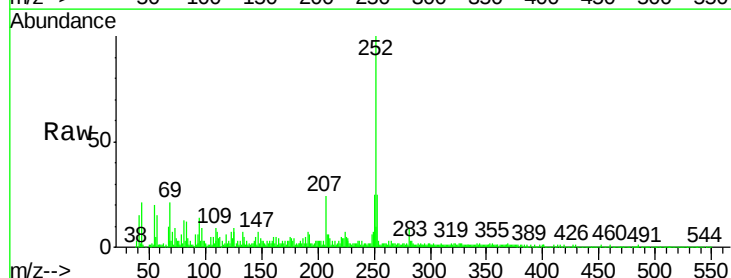
Tgt Ion:252 Resp: 439641

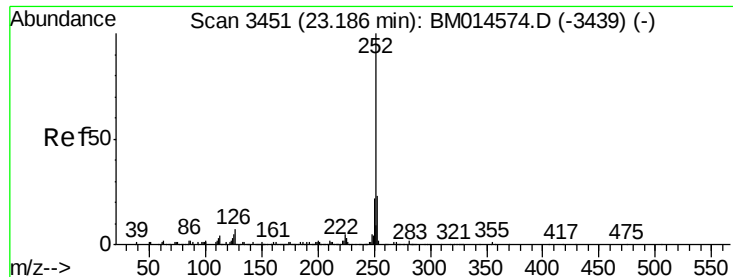
Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

125 9.2 3.4 5.2#





#27

Benzo(a)pyrene

Concen: 19.564 ng/ul

RT: 23.21 min Scan# 3455

Delta R.T. 0.02 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

Instrument :

BNA_M

ClientSampleId :

SSTD02052

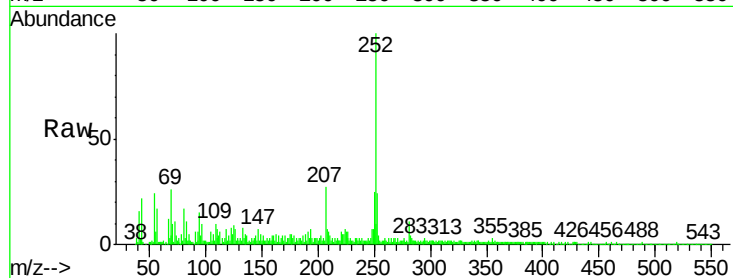
Tgt Ion:252 Resp: 445746

Ion Ratio Lower Upper

252 100

253 24.3 18.2 27.2

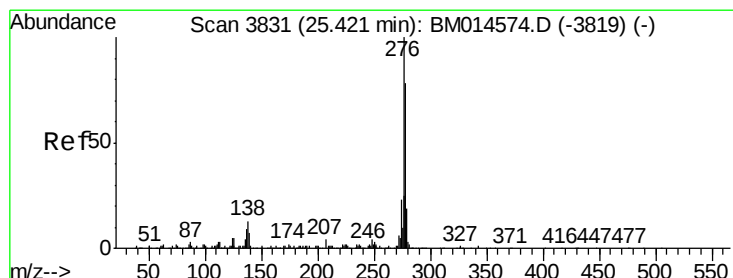
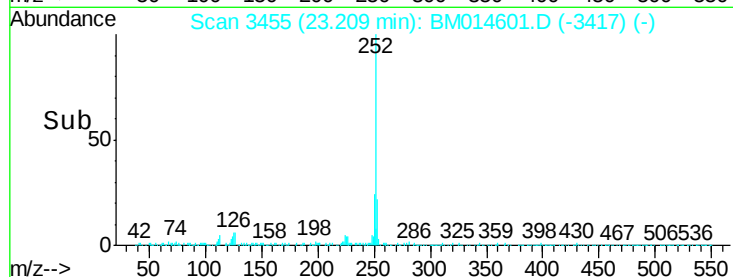
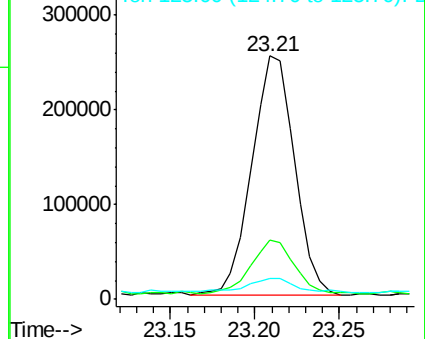
125 8.8 4.0 6.0#



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: 19.319 ng/ul

RT: 25.47 min Scan# 3840

Delta R.T. 0.05 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

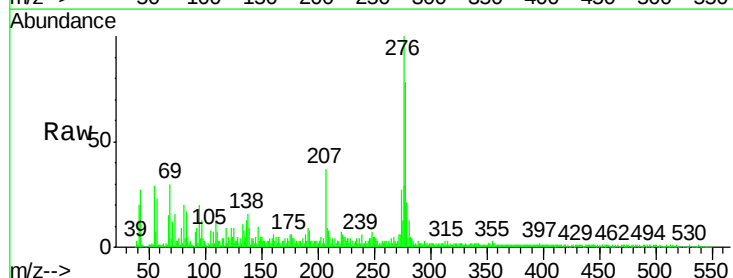
Tgt Ion:276 Resp: 506586

Ion Ratio Lower Upper

276 100

138 16.1 9.3 13.9#

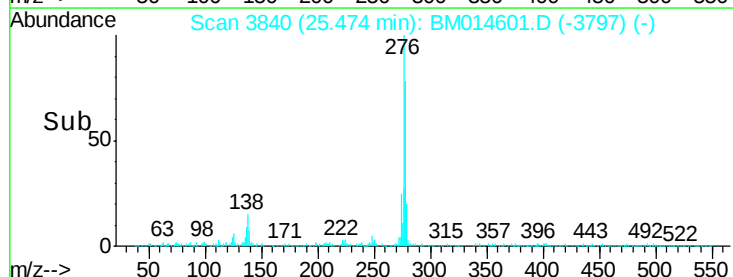
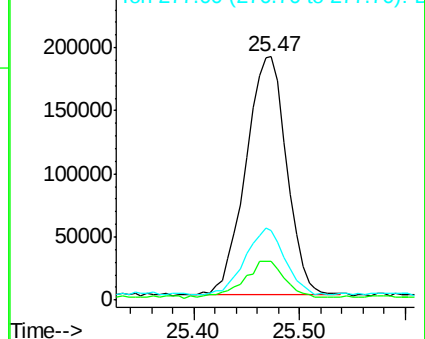
277 28.6 19.9 29.9

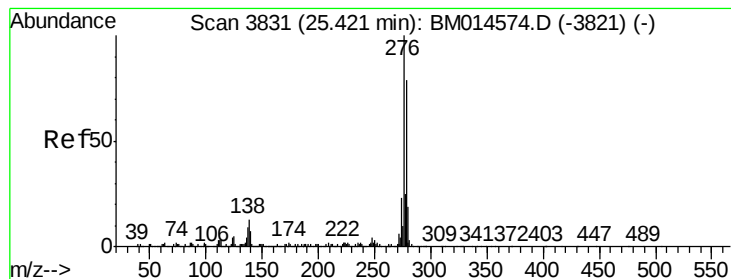


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 19.412 ng/ul

RT: 25.47 min Scan# 3839

Delta R.T. 0.05 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

Instrument :

BNA_M

ClientSampleId :

SSTD02052

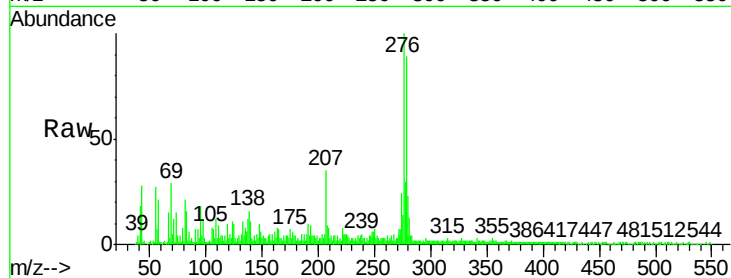
Tgt Ion:278 Resp: 426062

Ion Ratio Lower Upper

278 100

139 12.4 5.8 8.8#

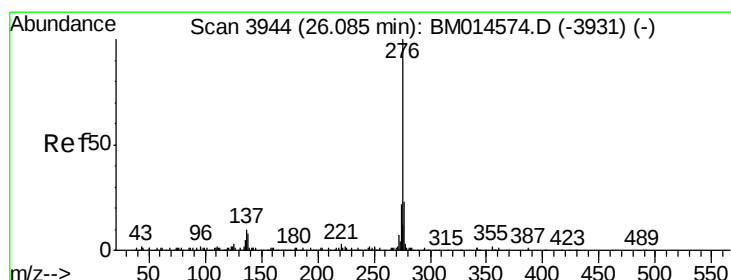
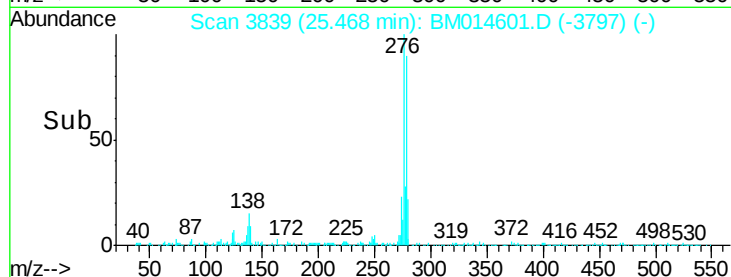
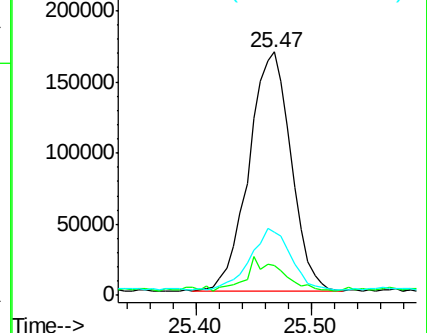
279 26.0 18.6 27.8



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: 19.767 ng/ul

RT: 26.14 min Scan# 3953

Delta R.T. 0.05 min

Lab File: BM014601.D

Acq: 16 Mar 2018 06:04

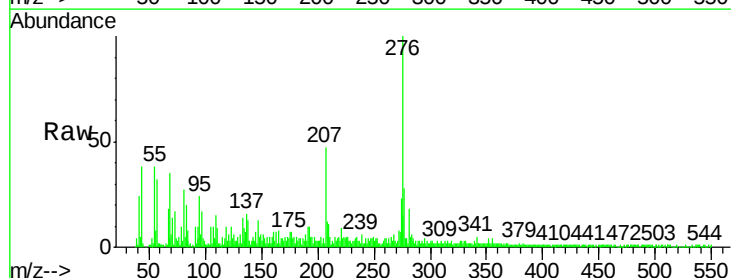
Tgt Ion:276 Resp: 412894

Ion Ratio Lower Upper

276 100

138 16.0 8.5 12.7#

277 27.8 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

