

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM031518\
 Data File : BM014576.D
 Acq On : 15 Mar 2018 14:09
 Operator : SJ/JU
 Sample : SST08047
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST08047

Quant Time: Mar 16 14:43:50 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 14:35:19 2018
 Response via : Initial Calibration

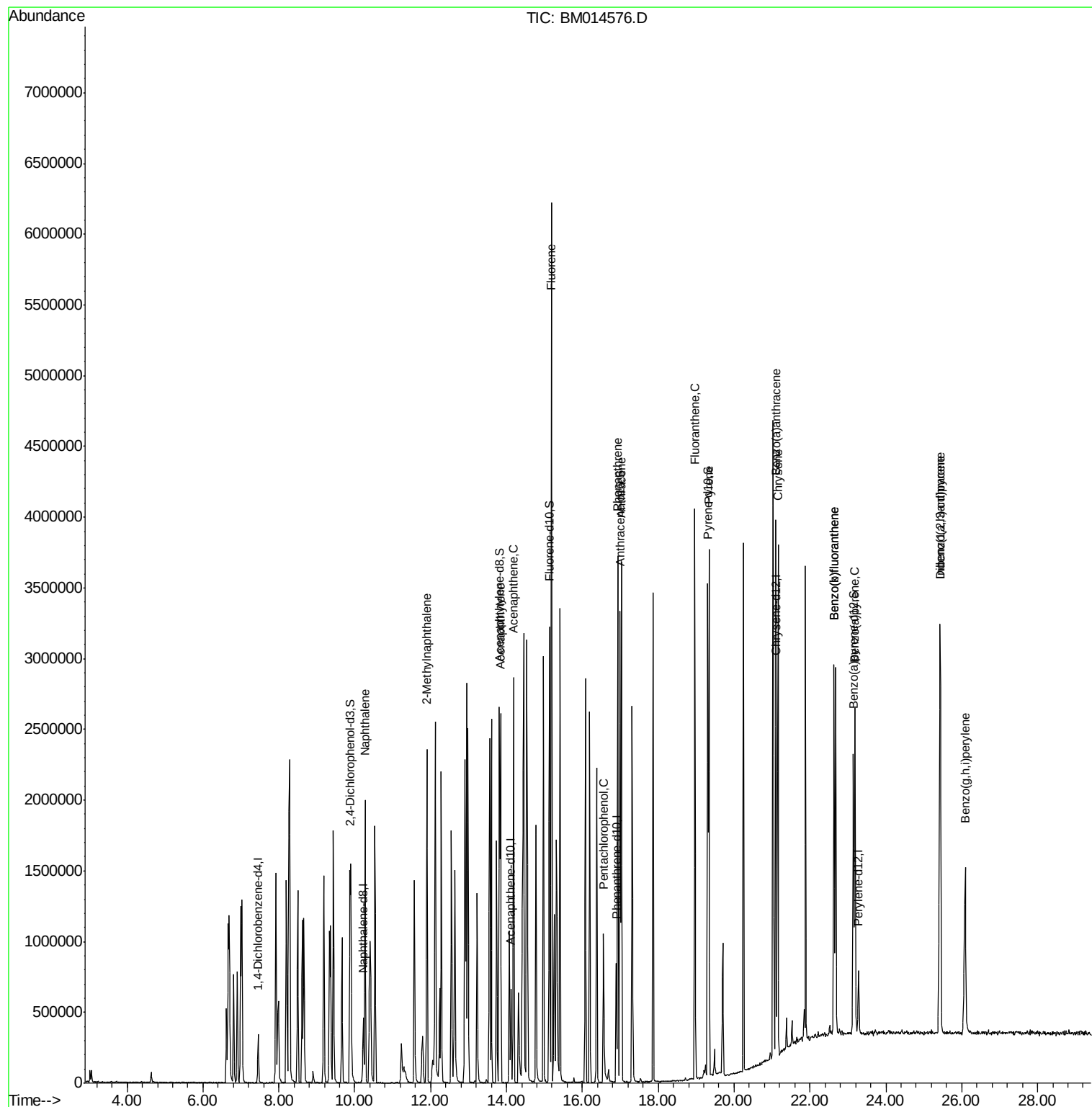
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	73709	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	314454	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	183259	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	401937	20.00	ng/ul	0.00
18) Chrysene-d12	21.12	240	349450	20.00	ng/ul	0.00
23) Perylene-d12	23.28	264	300086	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.87	165	433428	89.19	ng/ul	-0.01
7) Acenaphthylene-d8	13.82	160	1633829	83.42	ng/ul	0.00
10) Fluorene-d10	15.13	176	1084038	84.49	ng/ul	0.00
15) Anthracene-d10	16.99	188	1635178	84.98	ng/ul	0.00
19) Pyrene-d10	19.30	212	1683320	80.14	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.14	264	1246383	85.59	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.27	128	1342479	84.058	ng/ul	99
5) 2-Methylnaphthalene	11.90	142	948950	84.914	ng/ul	99
8) Acenaphthylene	13.84	152	1498036	82.406	ng/ul	99
9) Acenaphthene	14.19	153	1036031	83.276	ng/ul	99
11) Fluorene	15.19	166	1273178	86.361	ng/ul	97
13) Pentachlorophenol	16.56	266	160343	87.148	ng/ul	95
14) Phenanthrene	16.93	178	1923384	85.446	ng/ul	99
16) Anthracene	17.03	178	1936471	86.060	ng/ul	99
17) Fluoranthene	18.97	202	2174551	85.107	ng/ul#	95
20) Pyrene	19.34	202	2111822	80.355	ng/ul#	96
21) Benzo(a)anthracene	21.10	228	1836367	83.099	ng/ul	98
22) Chrysene	21.16	228	1662332	81.811	ng/ul	99
24) Benzo(b)fluoranthene	22.64	252	1611132	85.162	ng/ul	97
25) Benzo(k)fluoranthene	22.64	252	1611132	89.193	ng/ul	99
27) Benzo(a)pyrene	23.19	252	1537079	85.832	ng/ul#	99
28) Indeno(1,2,3-cd)pyrene	25.44	276	1822959	88.446	ng/ul	97
29) Dibenzo(a,h)anthracene	25.43	278	1554504	90.109	ng/ul	99
30) Benzo(g,h,i)perylene	26.09	276	1436534	86.876	ng/ul	99

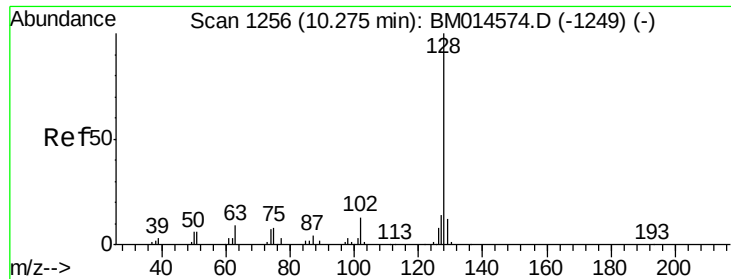
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM031518\
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QLast Update : Fri Mar 16 14:35:19 2018
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#4

Naphthalene

Concen: 84.058 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

Instrument :

BNA_M

ClientSampleId :

SSTD08047

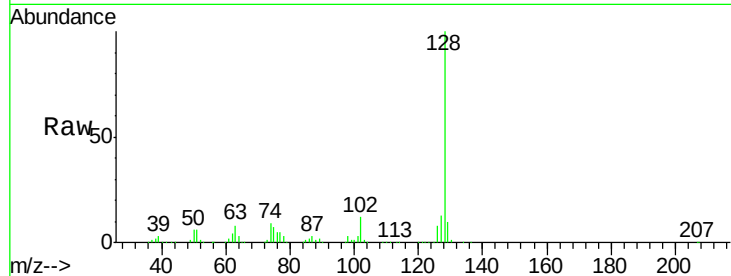
Tgt Ion:128 Resp: 1342479

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

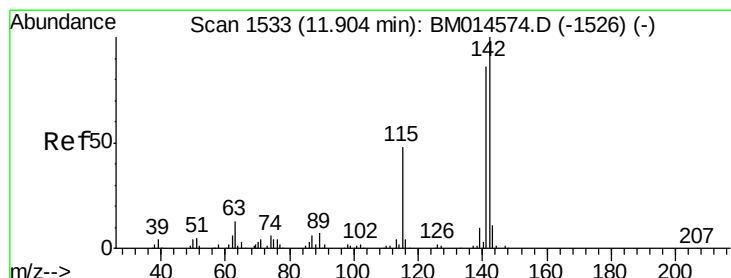
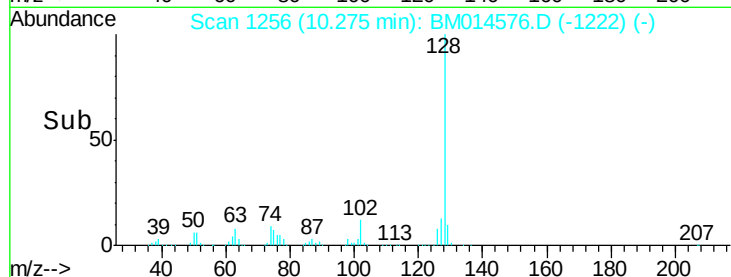
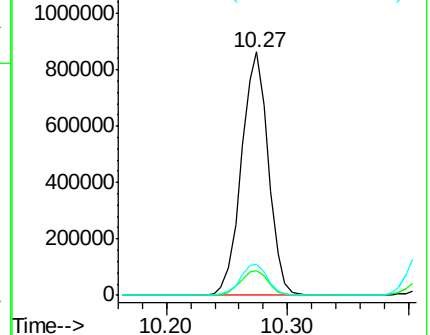
127 12.9 10.6 16.0



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: 84.914 ng/ul

RT: 11.90 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BM014576.D

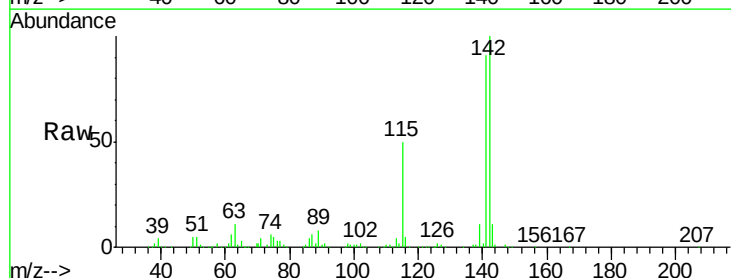
Acq: 15 Mar 2018 14:09

Tgt Ion:142 Resp: 948950

Ion Ratio Lower Upper

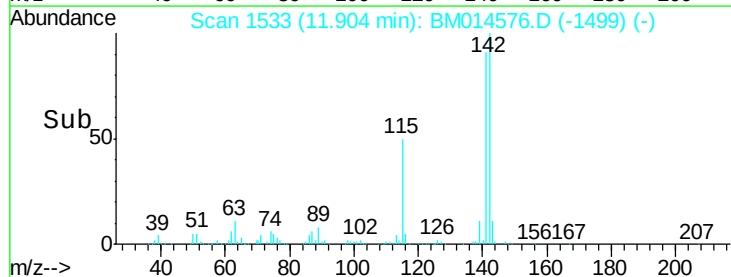
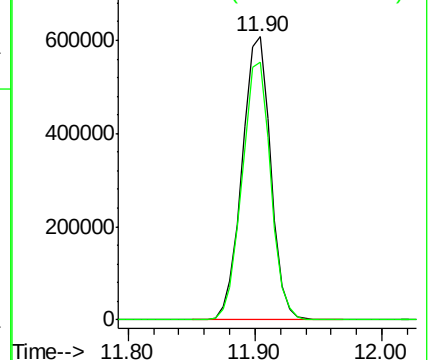
142 100

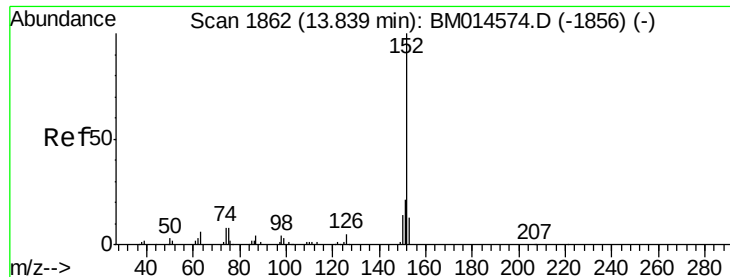
141 91.2 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 82.406 ng/ul

RT: 13.84 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

Instrument :

BNA_M

ClientSampleId :

SSTD08047

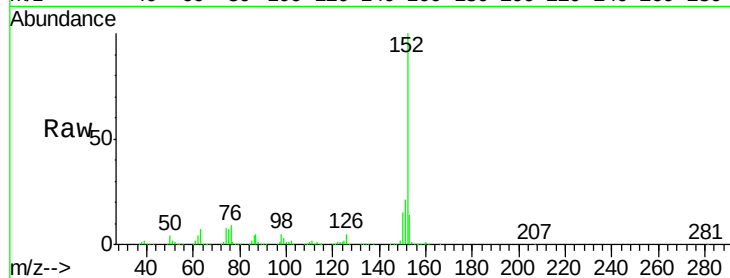
Tgt Ion:152 Resp: 1498036

Ion Ratio Lower Upper

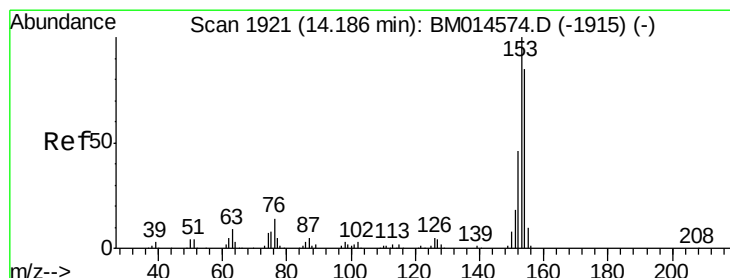
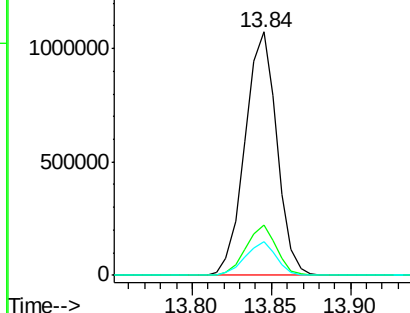
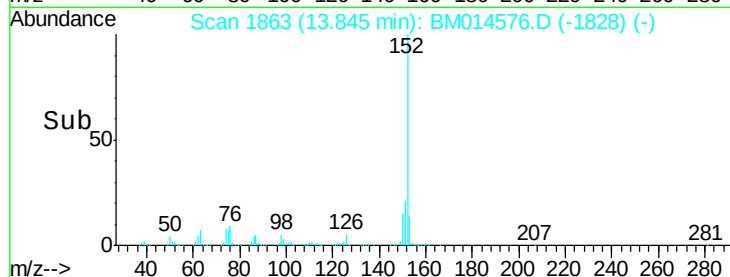
152 100

151 20.7 16.3 24.5

153 13.6 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: 83.276 ng/ul

RT: 14.19 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

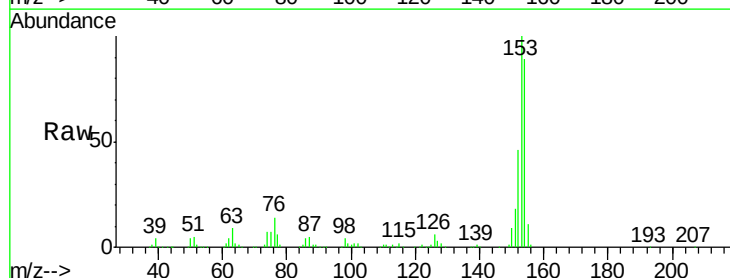
Tgt Ion:153 Resp: 1036031

Ion Ratio Lower Upper

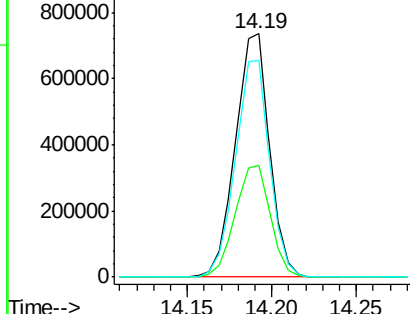
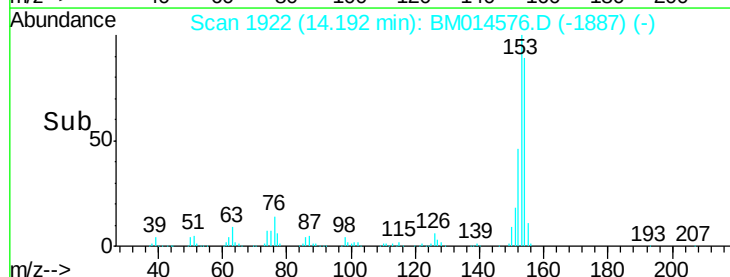
153 100

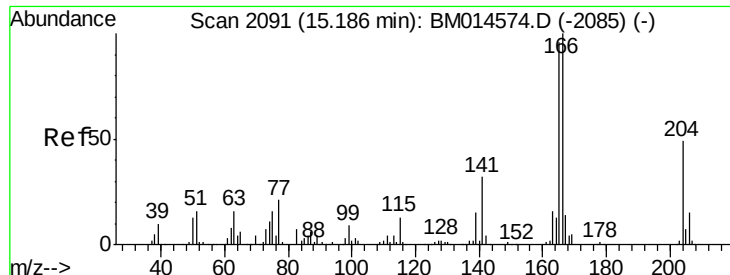
152 45.8 37.6 56.4

154 89.1 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: 86.361 ng/ul

RT: 15.19 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

Instrument :

BNA_M

ClientSampleId :

SSTD08047

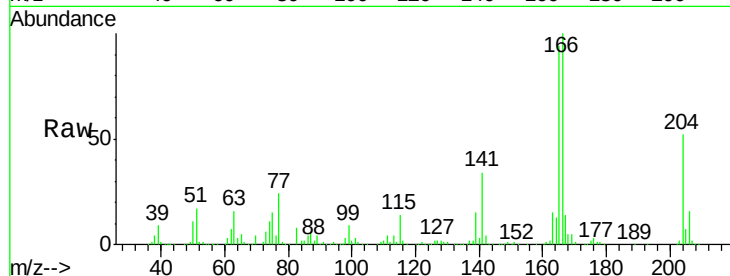
Tgt Ion:166 Resp: 1273178

Ion Ratio Lower Upper

166 100

165 94.2 77.9 116.9

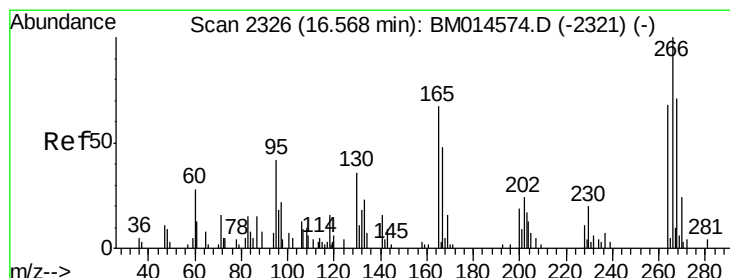
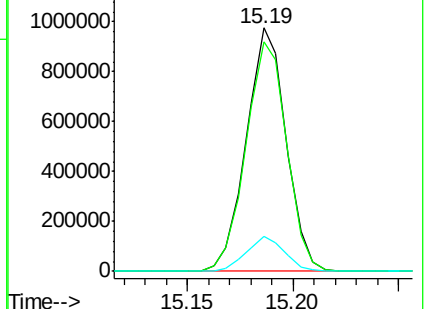
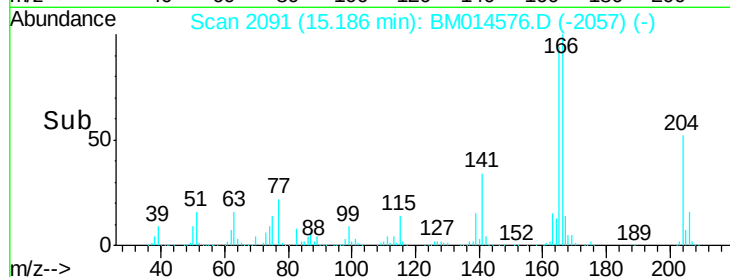
167 14.2 10.6 16.0



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: 87.148 ng/ul

RT: 16.56 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

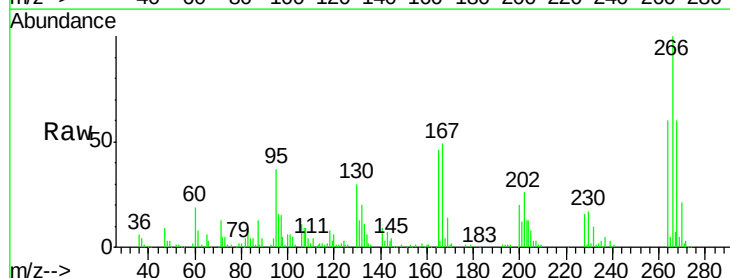
Tgt Ion:266 Resp: 160343

Ion Ratio Lower Upper

266 100

264 59.7 49.3 73.9

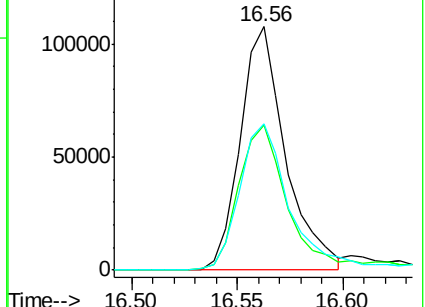
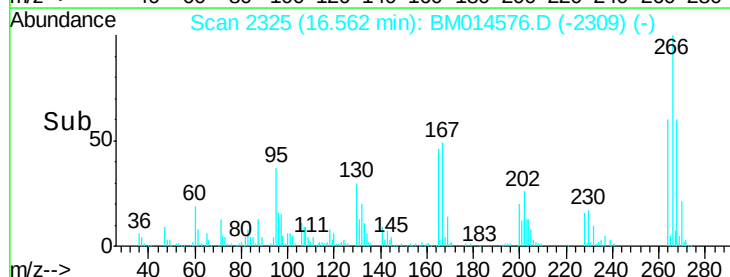
268 60.1 52.6 78.8

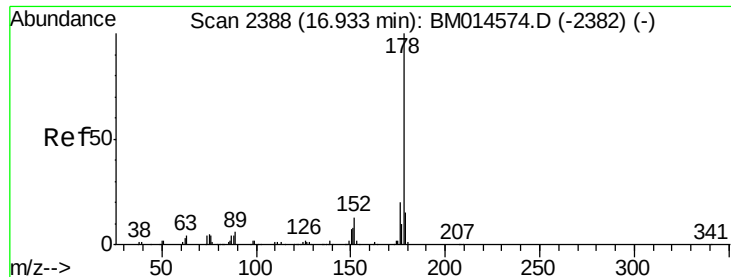


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 85.446 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

Instrument :

BNA_M

ClientSampleId :

SSTD08047

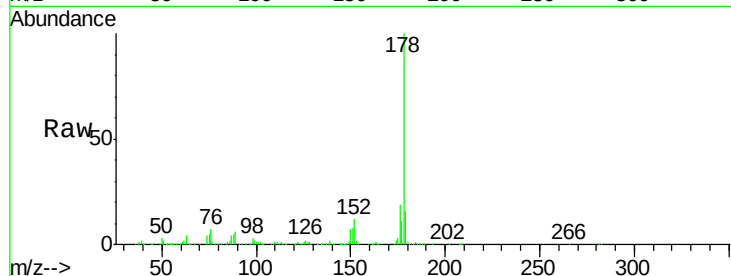
Tgt Ion:178 Resp: 1923384

Ion Ratio Lower Upper

178 100

179 16.0 12.6 19.0

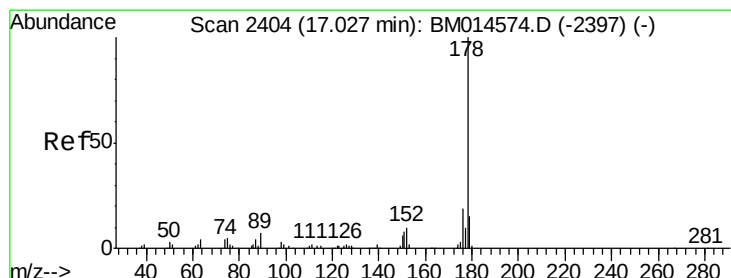
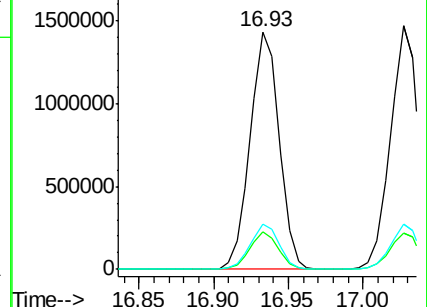
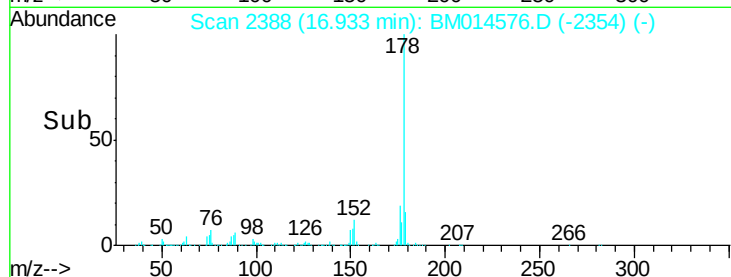
176 19.2 14.9 22.3



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: 86.060 ng/ul

RT: 17.03 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

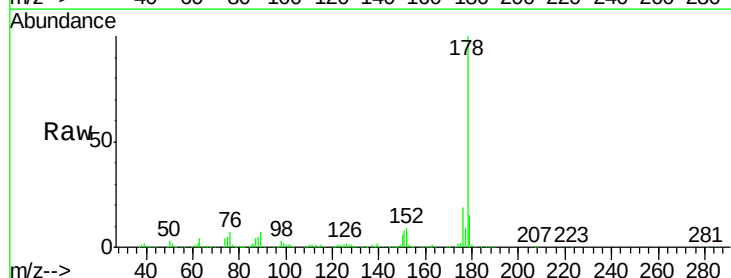
Tgt Ion:178 Resp: 1936471

Ion Ratio Lower Upper

178 100

179 15.0 11.7 17.5

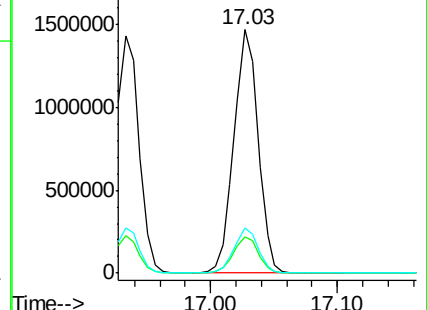
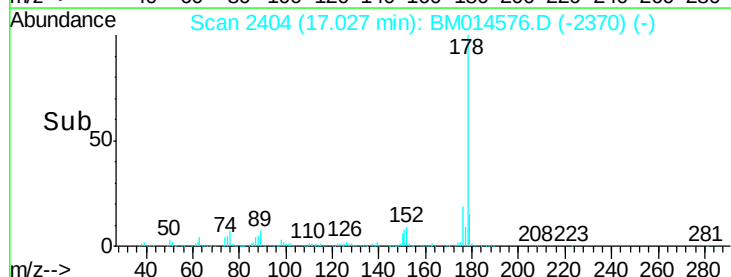
176 18.6 14.6 21.8

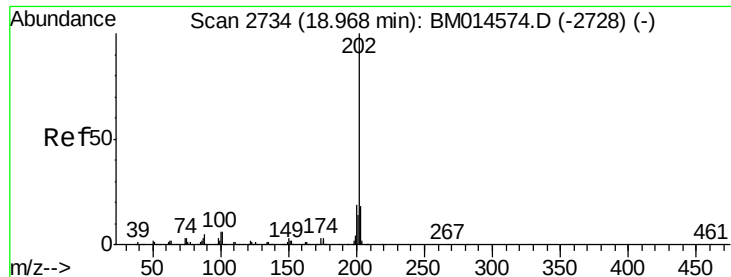


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

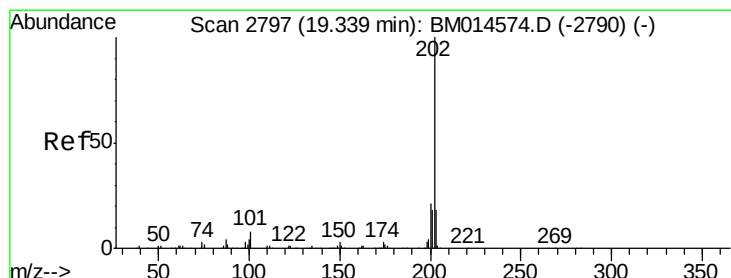
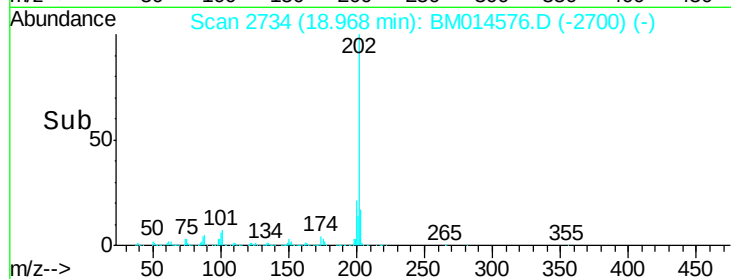
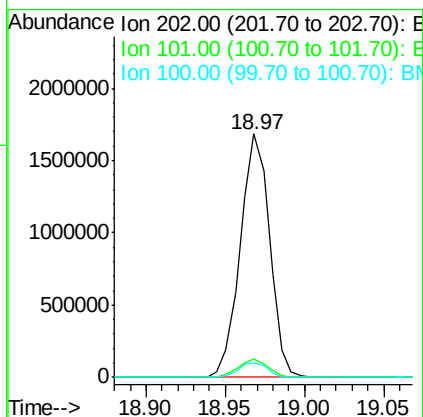
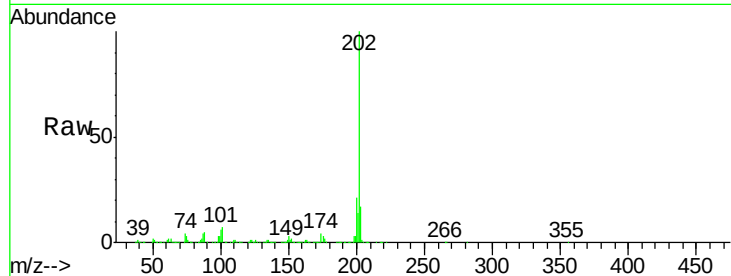




#17
 Fluoranthene
 Concen: 85.107 ng/ul
 RT: 18.97 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: BM014576.D
 Acq: 15 Mar 2018 14:09

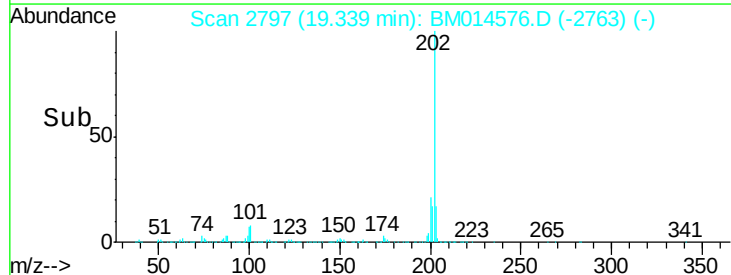
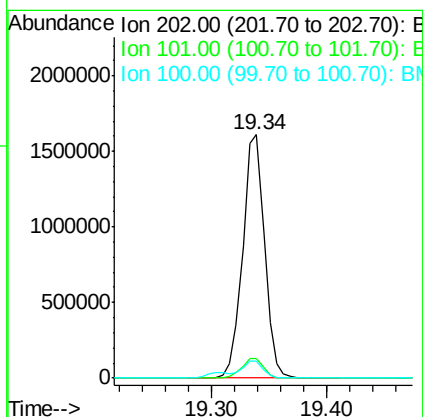
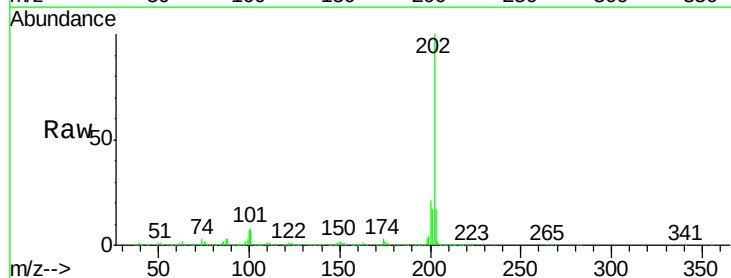
Instrument :
 BNA_M
 ClientSampleId :
 SSTD08047

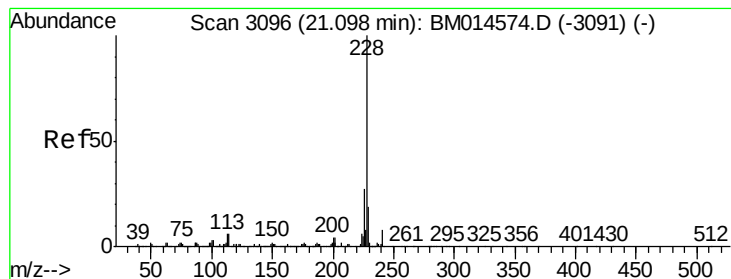
Tgt Ion:202 Resp: 2174551
 Ion Ratio Lower Upper
 202 100
 101 7.3 4.6 7.0#
 100 5.8 3.4 5.2#



#20
 Pyrene
 Concen: 80.355 ng/ul
 RT: 19.34 min Scan# 2797
 Delta R.T. -0.00 min
 Lab File: BM014576.D
 Acq: 15 Mar 2018 14:09

Tgt Ion:202 Resp: 2111822
 Ion Ratio Lower Upper
 202 100
 101 8.0 5.1 7.7#
 100 7.1 4.9 7.3





#21

Benzo(a)anthracene

Concen: 83.099 ng/ul

RT: 21.10 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

Instrument :

BNA_M

ClientSampleId :

SSTD08047

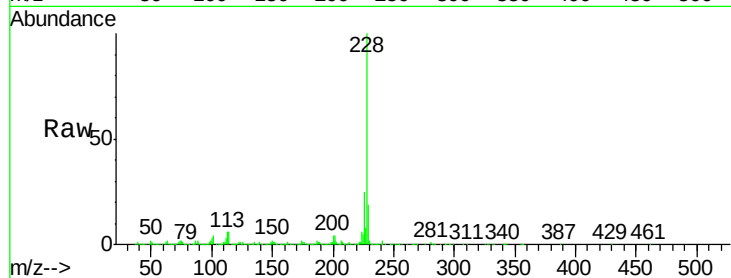
Tgt Ion:228 Resp: 1836367

Ion Ratio Lower Upper

228 100

229 19.2 15.4 23.0

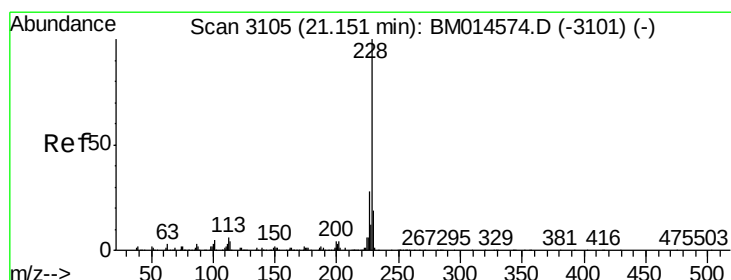
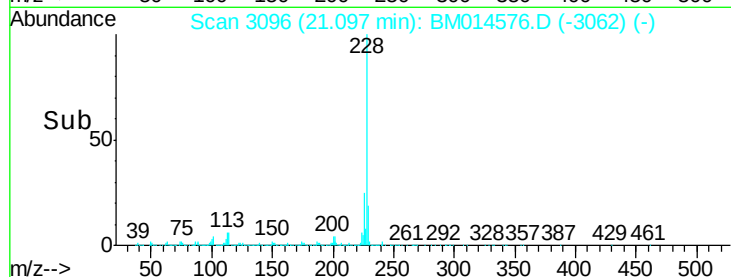
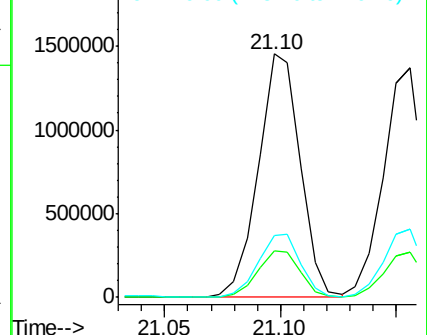
226 25.4 21.4 32.0



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: 81.811 ng/ul

RT: 21.16 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

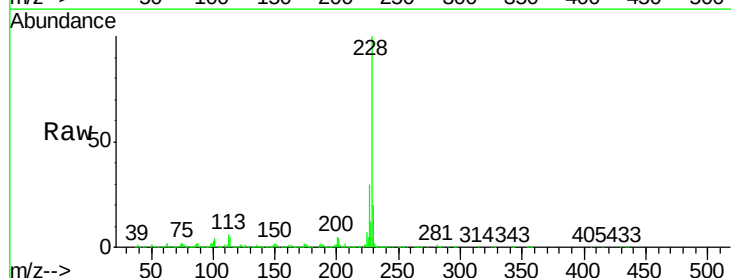
Tgt Ion:228 Resp: 1662332

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

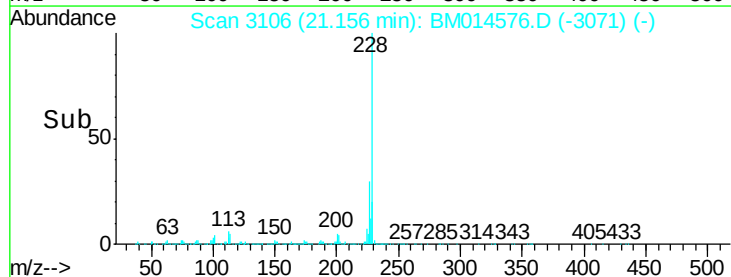
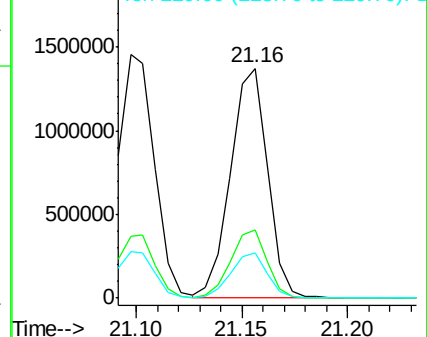
229 19.6 15.5 23.3

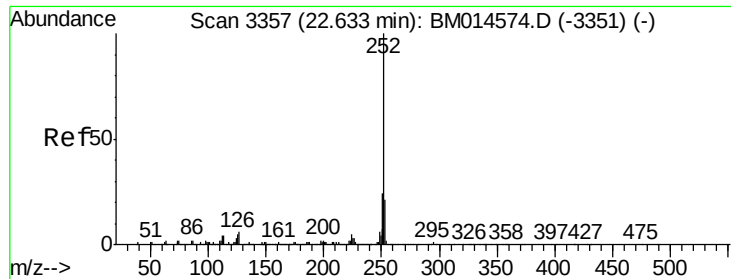


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 85.162 ng/ul

RT: 22.64 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

Instrument :

BNA_M

ClientSampleId :

SSTD08047

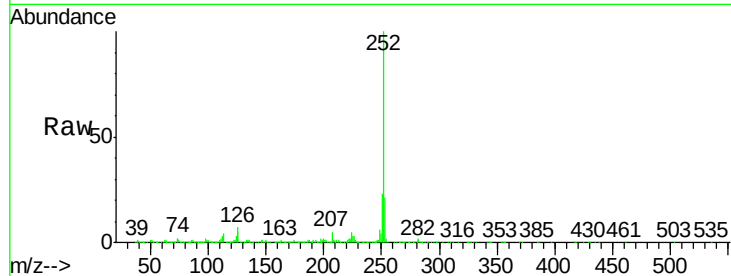
Tgt Ion:252 Resp: 1611132

Ion Ratio Lower Upper

252 100

253 21.0 17.9 26.9

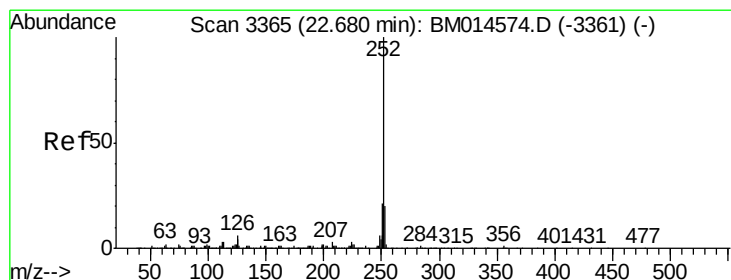
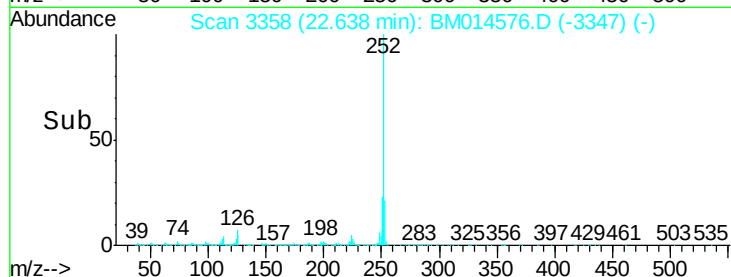
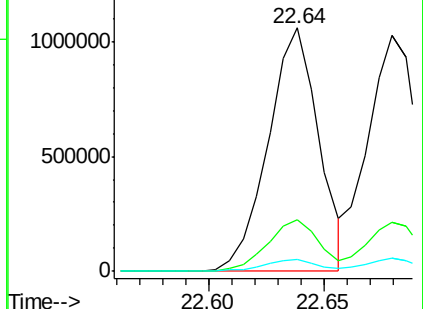
125 5.1 3.6 5.4



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: 89.193 ng/ul

RT: 22.64 min Scan# 3358

Delta R.T. -0.04 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

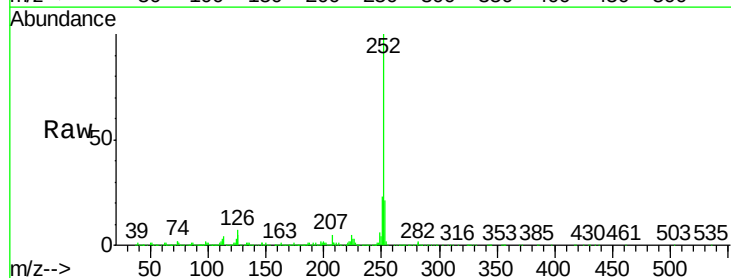
Tgt Ion:252 Resp: 1611132

Ion Ratio Lower Upper

252 100

253 21.0 17.1 25.7

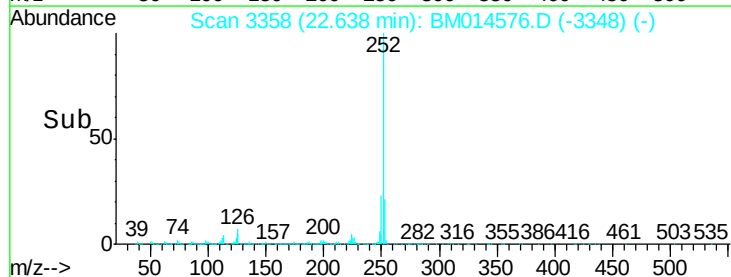
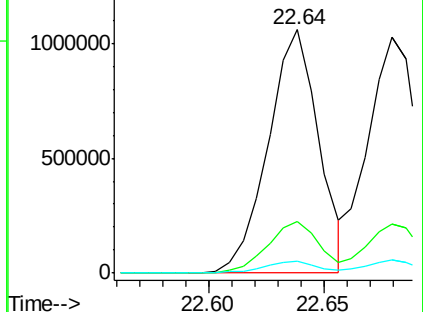
125 5.1 3.4 5.2

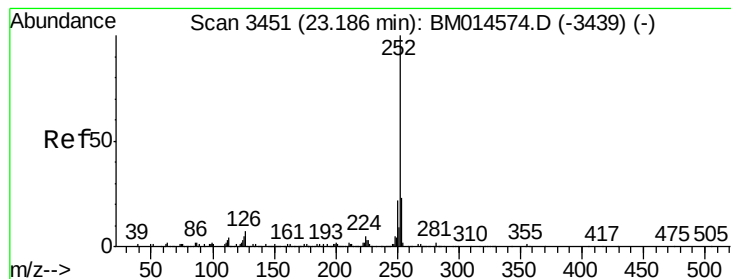


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 85.832 ng/ul

RT: 23.19 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

Instrument :

BNA_M

ClientSampleId :

SSTD08047

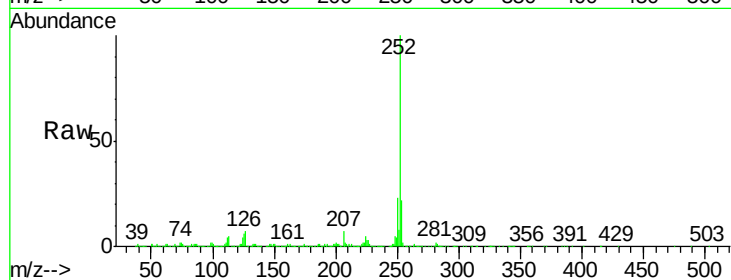
Tgt Ion:252 Resp: 1537079

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

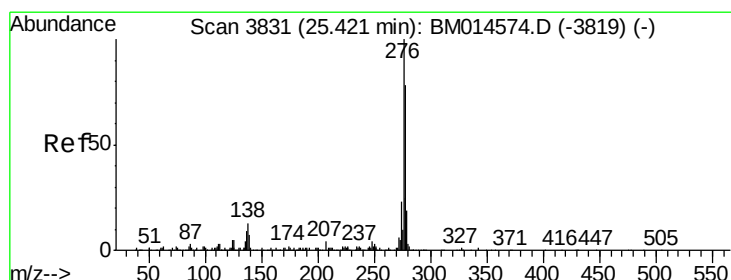
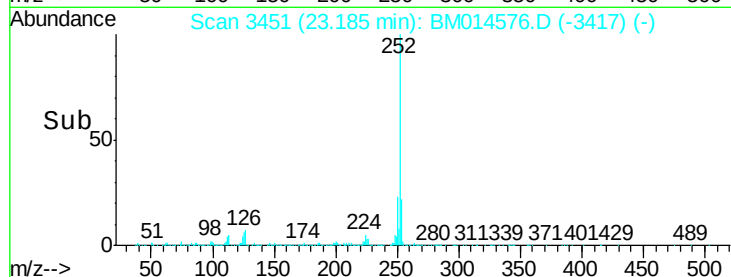
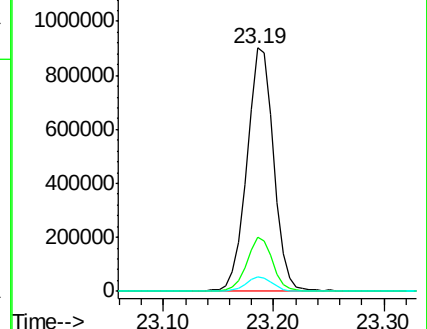
125 6.0 4.0 6.0#



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: 88.446 ng/ul

RT: 25.44 min Scan# 3834

Delta R.T. 0.02 min

Lab File: BM014576.D

Acq: 15 Mar 2018 14:09

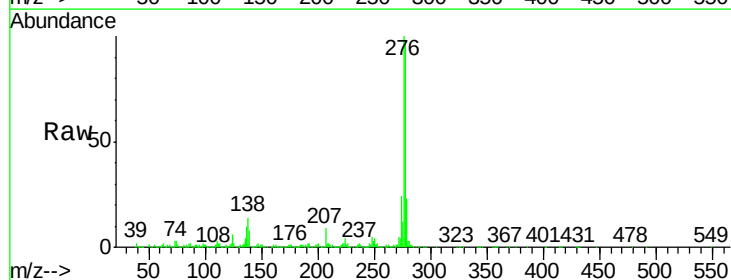
Tgt Ion:276 Resp: 1822959

Ion Ratio Lower Upper

276 100

138 13.8 9.3 13.9

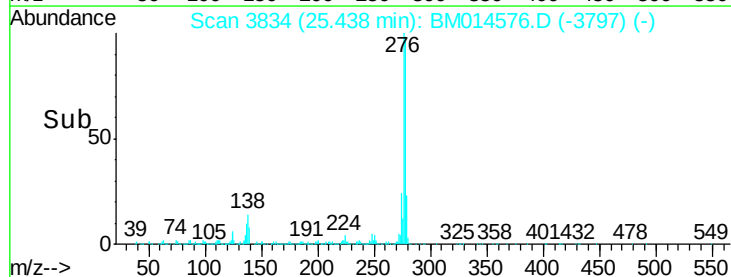
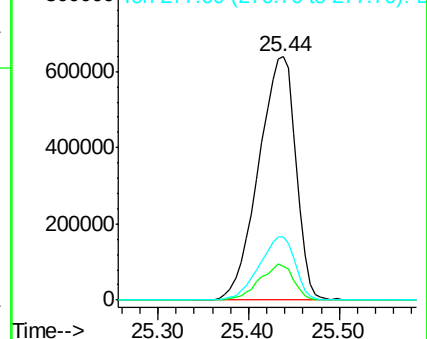
277 25.7 19.9 29.9

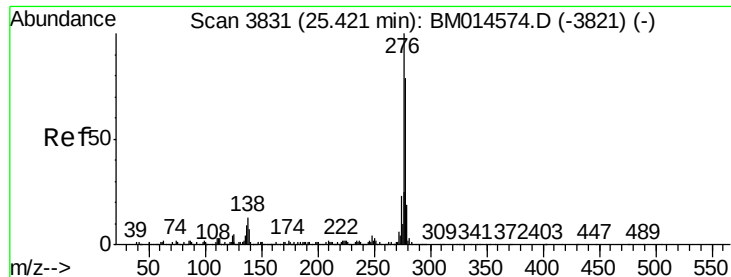


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



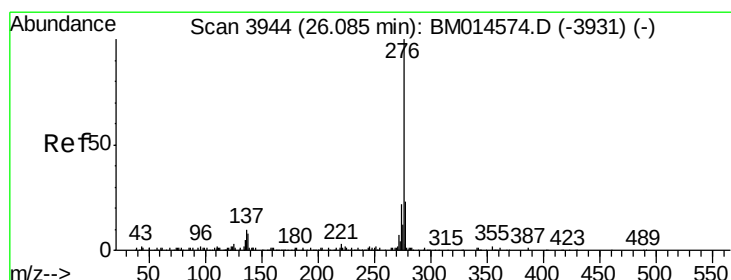
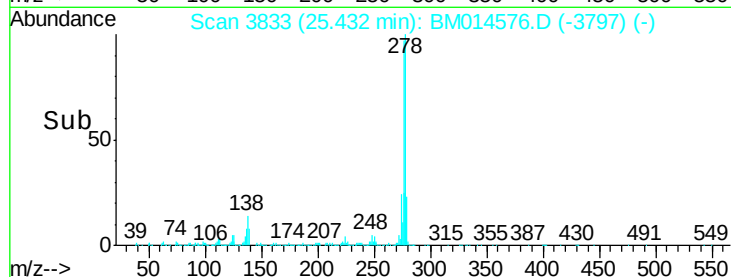
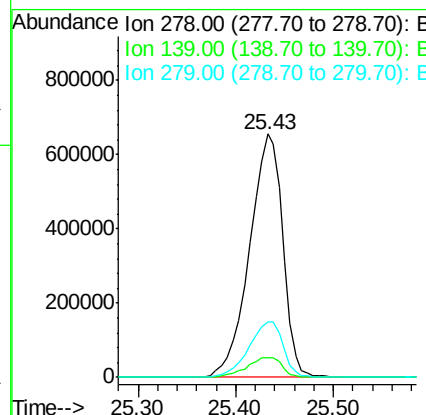
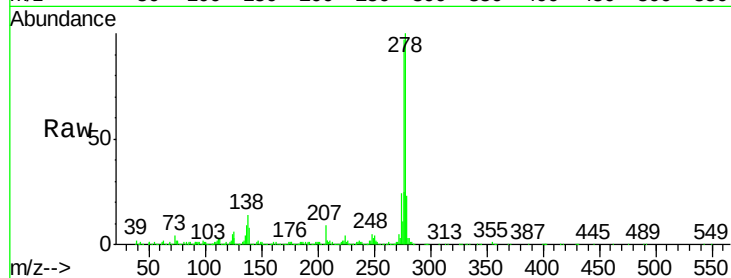


#29

Dibenzo(a,h)anthracene
Concen: 90.109 ng/ul
RT: 25.43 min Scan# 3833
Delta R.T. 0.01 min
Lab File: BM014576.D
Acq: 15 Mar 2018 14:09

Instrument :
BNA_M
ClientSampleId :
SSTD08047

Tgt Ion:278 Resp: 1554504
Ion Ratio Lower Upper
278 100
139 8.2 5.8 8.8
279 22.8 18.6 27.8



#30

Benzo(g,h,i)perylene
Concen: 86.876 ng/ul
RT: 26.09 min Scan# 3944
Delta R.T. -0.00 min
Lab File: BM014576.D
Acq: 15 Mar 2018 14:09

Tgt Ion:276 Resp: 1436534
Ion Ratio Lower Upper
276 100
138 11.0 8.5 12.7
277 23.6 18.6 28.0

