

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM031518\
 Data File : BM014574.D
 Acq On : 15 Mar 2018 12:56
 Operator : SJ/JU
 Sample : SSTD02045
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02045

Quant Time: Mar 16 14:43:13 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

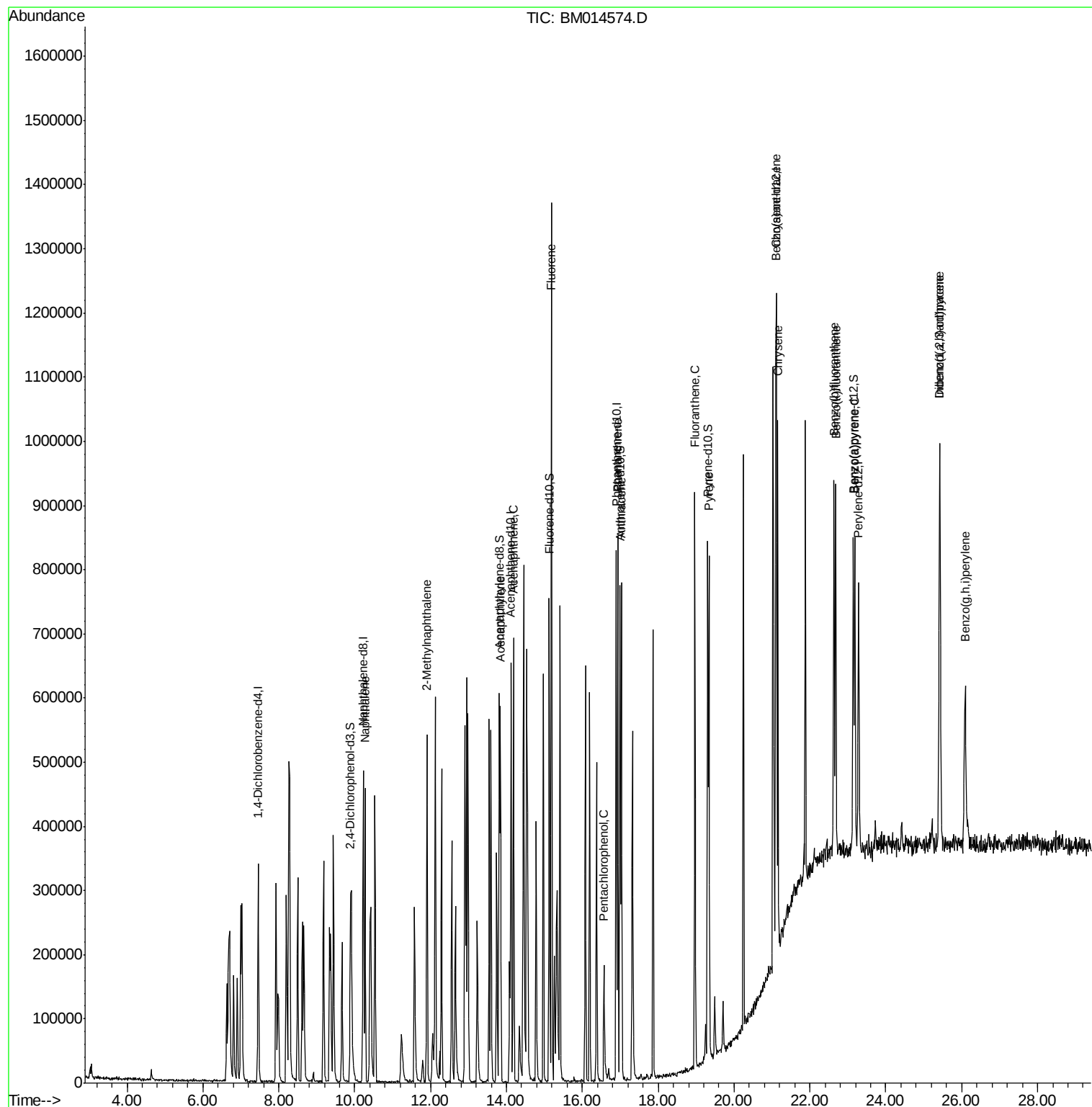
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	77970	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	331259	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	187362	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	419772	20.00	ng/ul	0.00
18) Chrysene-d12	21.12	240	333835	20.00	ng/ul	0.00
23) Perylene-d12	23.28	264	309958	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.89	165	98510	19.24	ng/ul	0.00
7) Acenaphthylene-d8	13.81	160	385349	19.24	ng/ul	0.00
10) Fluorene-d10	15.13	176	255841	19.50	ng/ul	0.00
15) Anthracene-d10	16.99	188	383447	19.08	ng/ul	0.00
19) Pyrene-d10	19.30	212	386947	19.28	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.14	264	277725	18.47	ng/ul	0.00
Target Compounds					Qvalue	
4) Naphthalene	10.27	128	316785	18.829	ng/ul	99
5) 2-Methylnaphthalene	11.90	142	222807	18.926	ng/ul	93
8) Acenaphthylene	13.84	152	360435	19.393	ng/ul	99
9) Acenaphthene	14.19	153	248002	19.498	ng/ul	97
11) Fluorene	15.19	166	285871	18.966	ng/ul	98
13) Pentachlorophenol	16.57	266	30615	15.933	ng/ul	85
14) Phenanthrene	16.93	178	448560	19.081	ng/ul	98
16) Anthracene	17.03	178	445472	18.956	ng/ul	98
17) Fluoranthene	18.97	202	500995	18.775	ng/ul#	97
20) Pyrene	19.34	202	482468	19.217	ng/ul#	97
21) Benzo(a)anthracene	21.10	228	412147	19.523	ng/ul	100
22) Chrysene	21.15	228	379257	19.538	ng/ul	98
24) Benzo(b)fluoranthene	22.63	252	357101	18.275	ng/ul#	98
25) Benzo(k)fluoranthene	22.68	252	350187	18.769	ng/ul	99
27) Benzo(a)pyrene	23.19	252	344176	18.607	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	25.42	276	401494	18.859	ng/ul	98
29) Dibenzo(a,h)anthracene	25.42	278	334716	18.784	ng/ul#	97
30) Benzo(g,h,i)perylene	26.09	276	322905	18.906	ng/ul	99

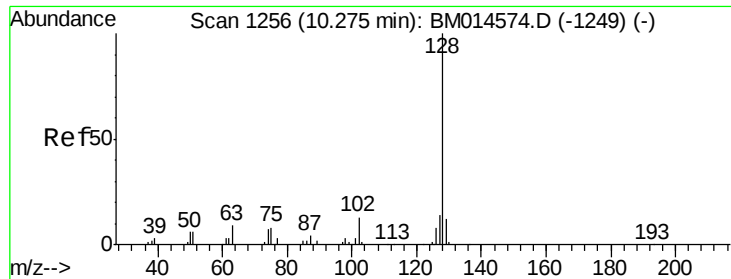
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM031518\
Data File : BM014574.D
Acq On : 15 Mar 2018 12:56
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 16 14:35:19 2018
Response via : Initial Calibration





#4

Naphthalene

Concen: 18.829 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

Instrument :

BNA_M

ClientSampleId :

SSTD02045

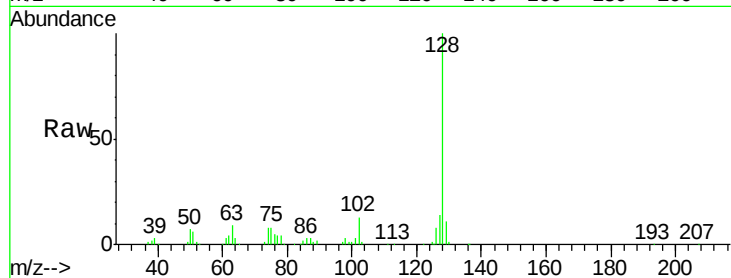
Tgt Ion:128 Resp: 316785

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

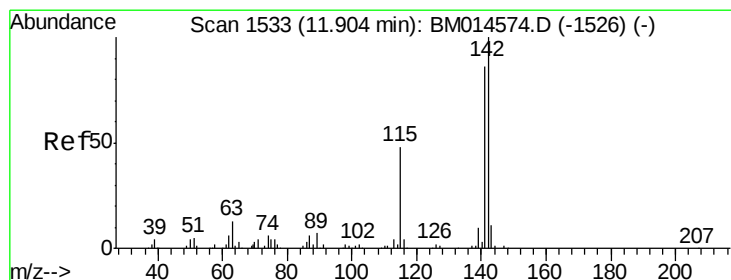
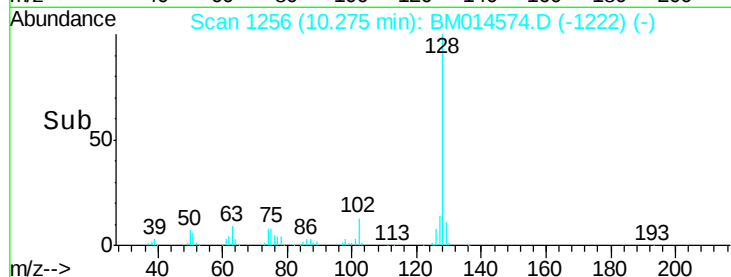
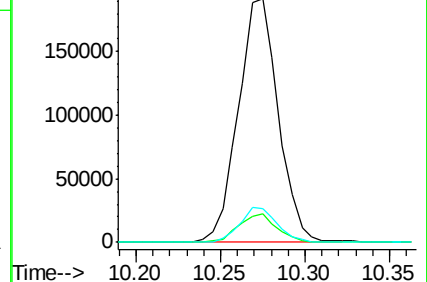
127 13.8 10.6 16.0



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: 18.926 ng/ul

RT: 11.90 min Scan# 1533

Delta R.T. 0.00 min

Lab File: BM014574.D

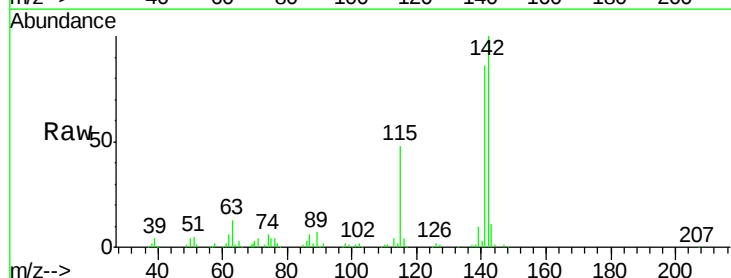
Acq: 15 Mar 2018 12:56

Tgt Ion:142 Resp: 222807

Ion Ratio Lower Upper

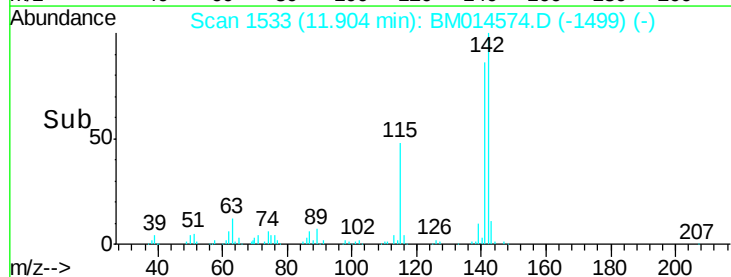
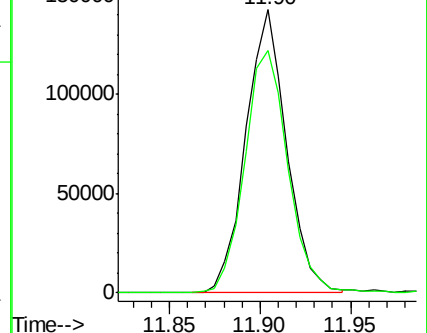
142 100

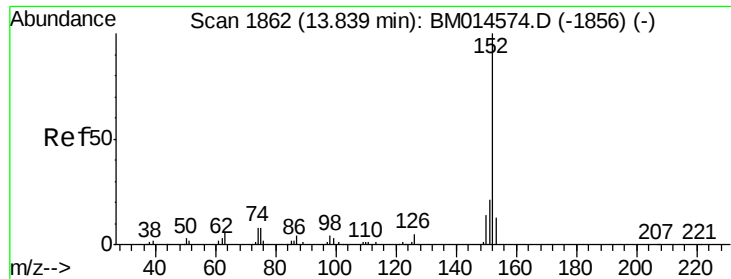
141 85.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.393 ng/ul

RT: 13.84 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

Instrument :

BNA_M

ClientSampleId :

SSTD02045

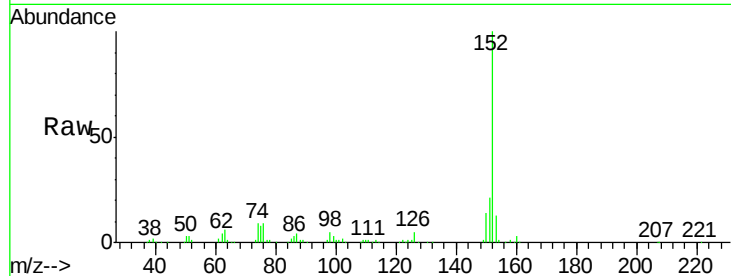
Tgt Ion:152 Resp: 360435

Ion Ratio Lower Upper

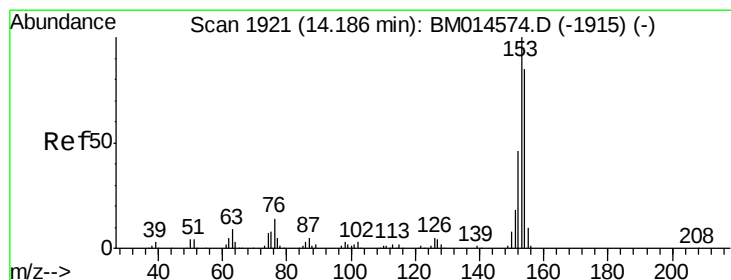
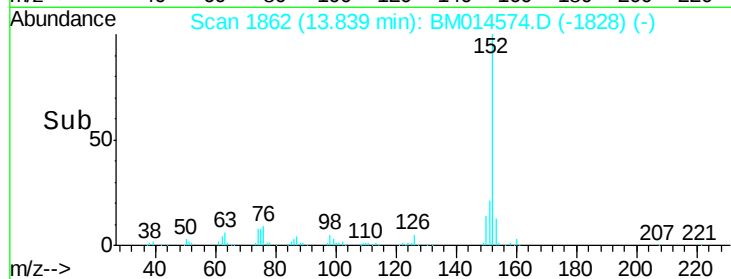
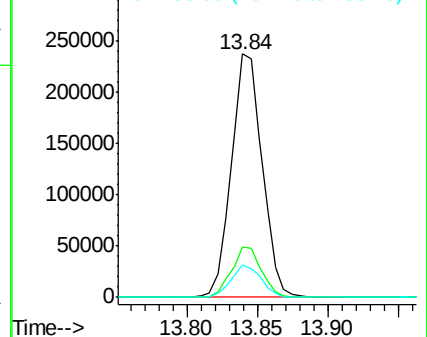
152 100

151 20.8 16.3 24.5

153 13.3 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: 19.498 ng/ul

RT: 14.19 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

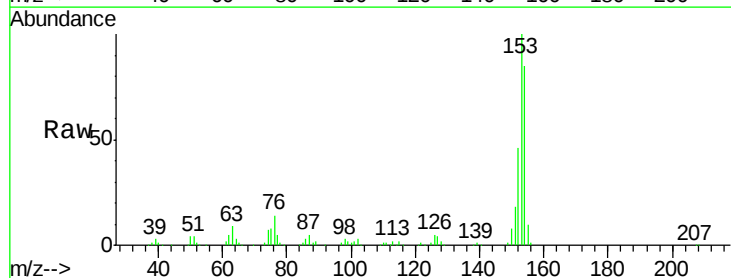
Tgt Ion:153 Resp: 248002

Ion Ratio Lower Upper

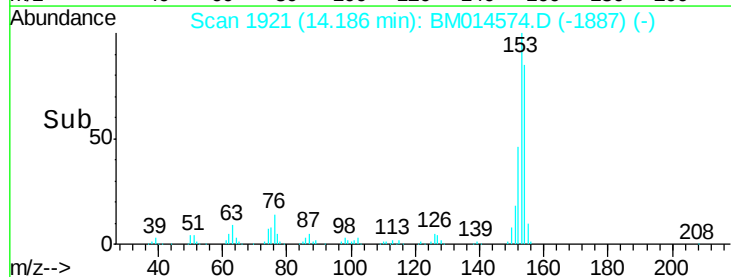
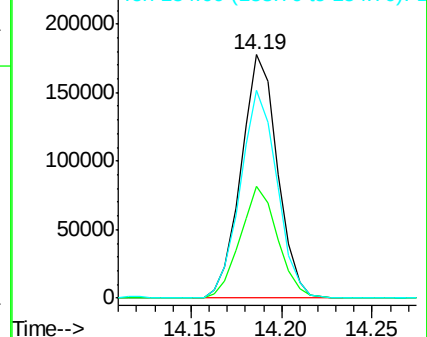
153 100

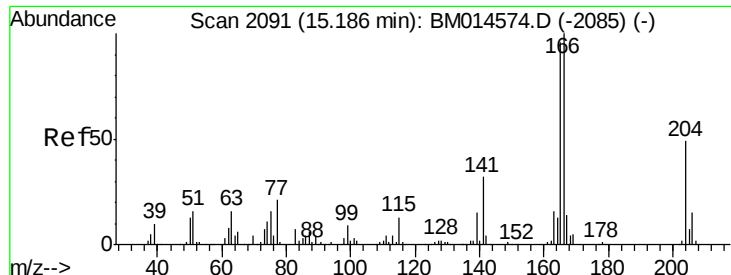
152 45.9 37.6 56.4

154 85.1 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: 18.966 ng/ul

RT: 15.19 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

Instrument :

BNA_M

ClientSampleId :

SSTD02045

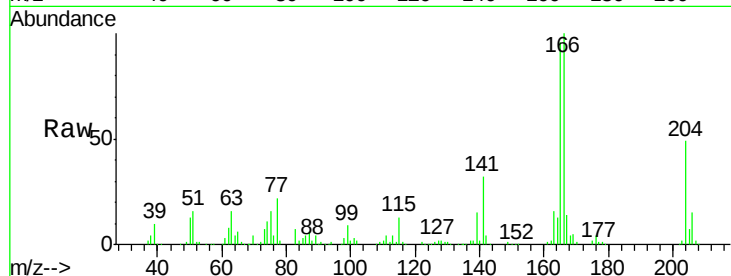
Tgt Ion:166 Resp: 285871

Ion Ratio Lower Upper

166 100

165 95.9 77.9 116.9

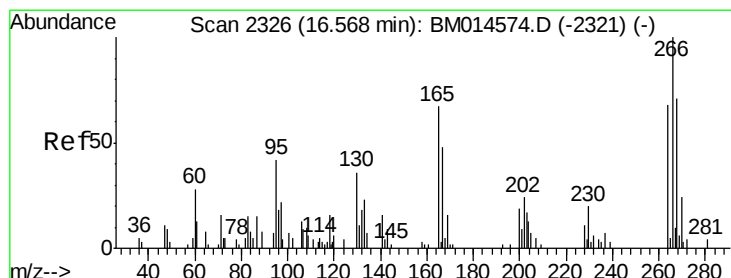
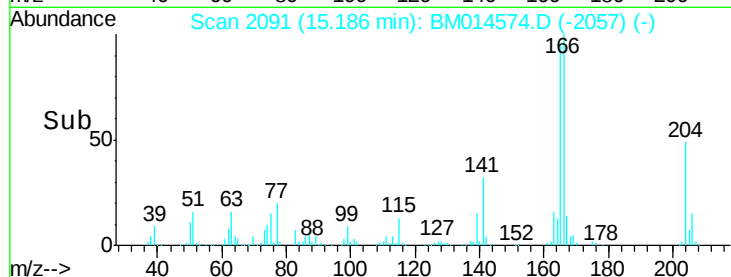
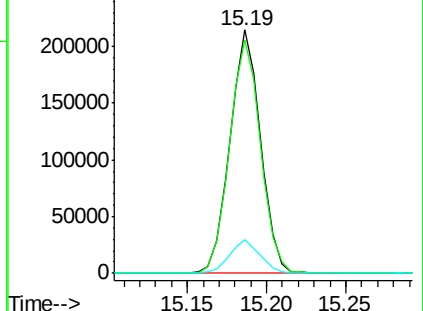
167 14.0 10.6 16.0



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: 15.933 ng/ul

RT: 16.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

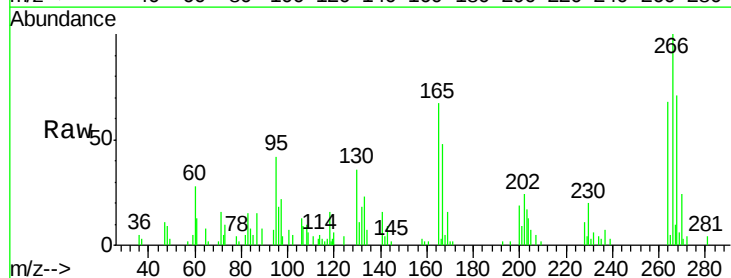
Tgt Ion:266 Resp: 30615

Ion Ratio Lower Upper

266 100

264 72.4 49.3 73.9

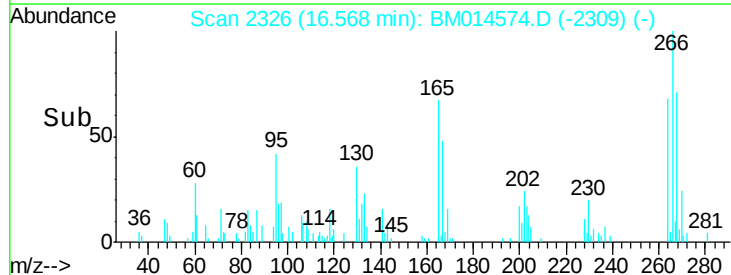
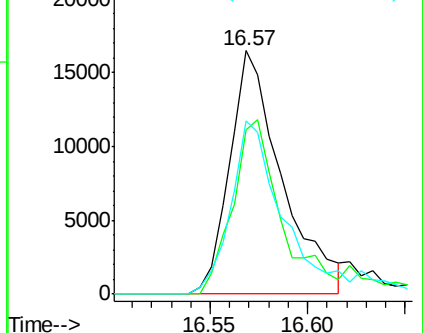
268 77.6 52.6 78.8

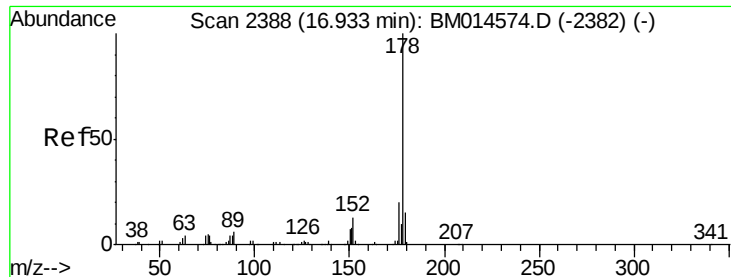


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 19.081 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

Instrument :

BNA_M

ClientSampleId :

SSTD02045

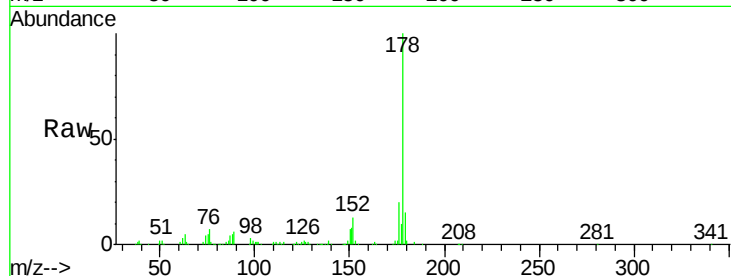
Tgt Ion:178 Resp: 448560

Ion Ratio Lower Upper

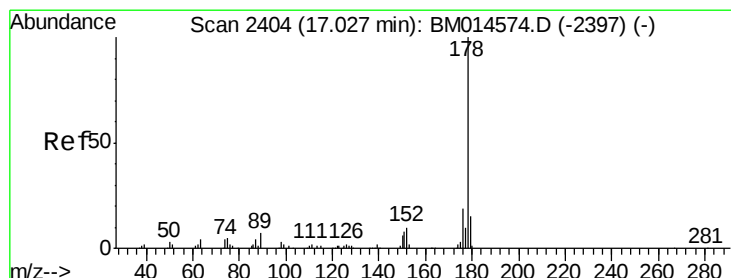
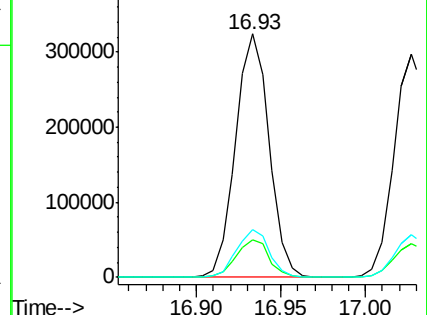
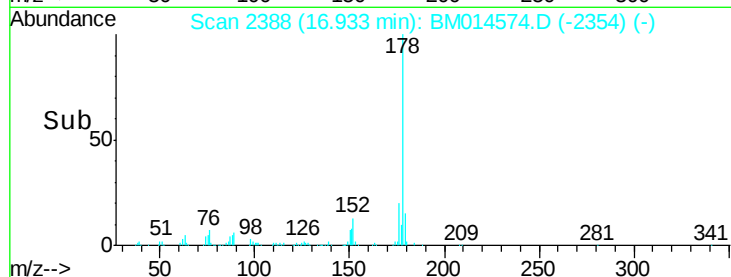
178 100

179 15.2 12.6 19.0

176 19.5 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: 18.956 ng/ul

RT: 17.03 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

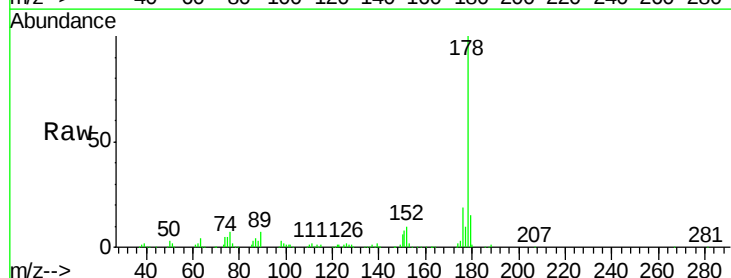
Tgt Ion:178 Resp: 445472

Ion Ratio Lower Upper

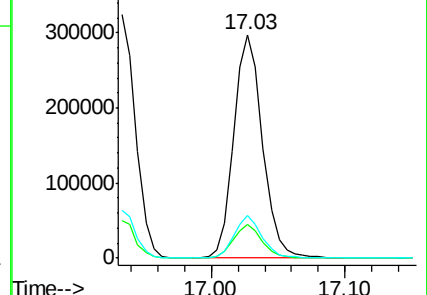
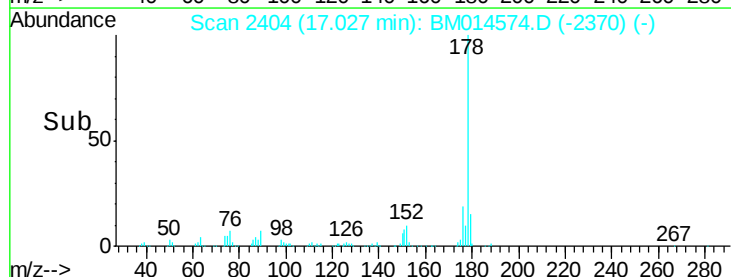
178 100

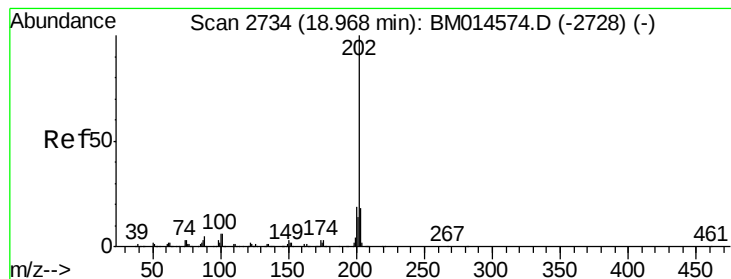
179 15.1 11.7 17.5

176 19.2 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: 18.775 ng/ul

RT: 18.97 min Scan# 2734

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

Instrument :

BNA_M

ClientSampleId :

SSTD02045

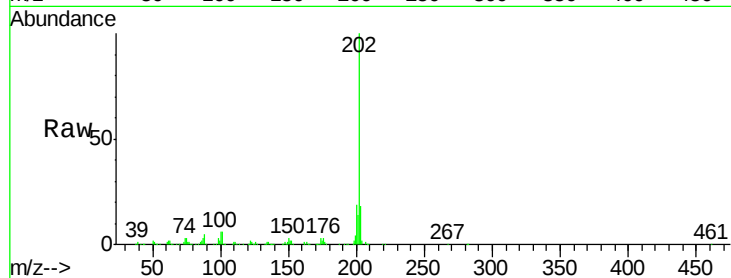
Tgt Ion:202 Resp: 500995

Ion Ratio Lower Upper

202 100

101 6.0 4.6 7.0

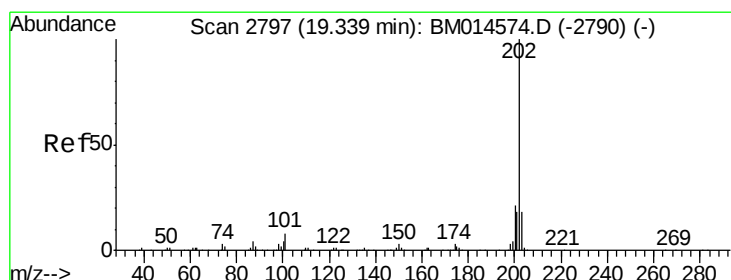
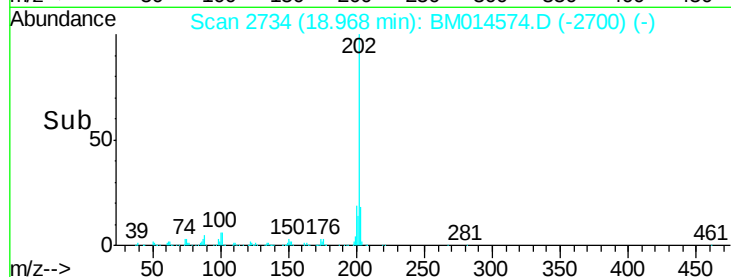
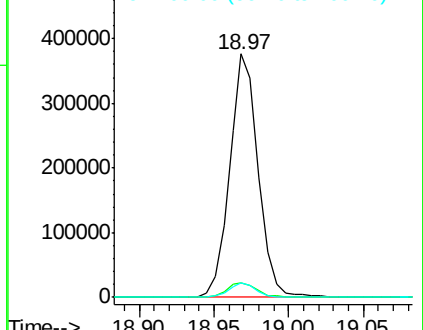
100 6.0 3.4 5.2#



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: 19.217 ng/ul

RT: 19.34 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

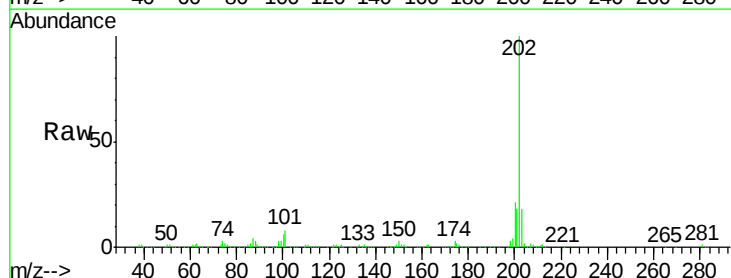
Tgt Ion:202 Resp: 482468

Ion Ratio Lower Upper

202 100

101 7.9 5.1 7.7#

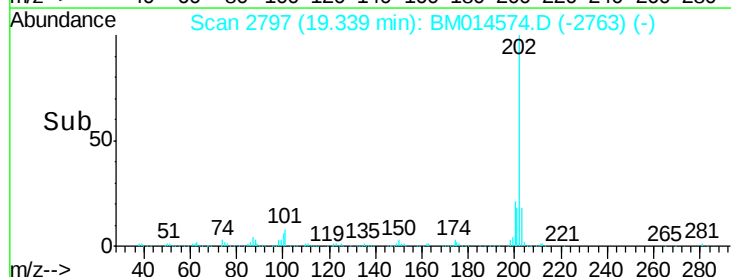
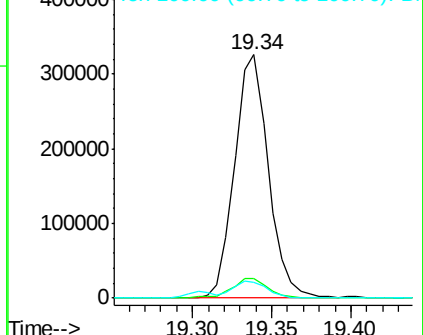
100 6.5 4.9 7.3

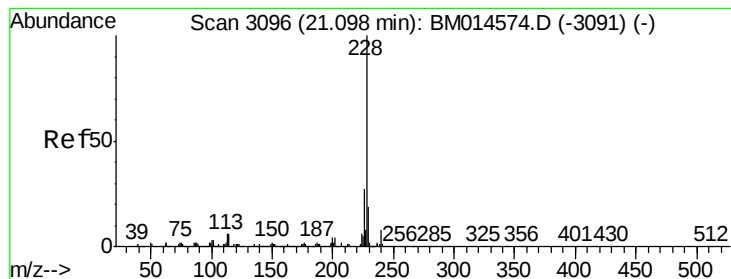


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 19.523 ng/ul

RT: 21.10 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

Instrument :

BNA_M

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SSTD02045

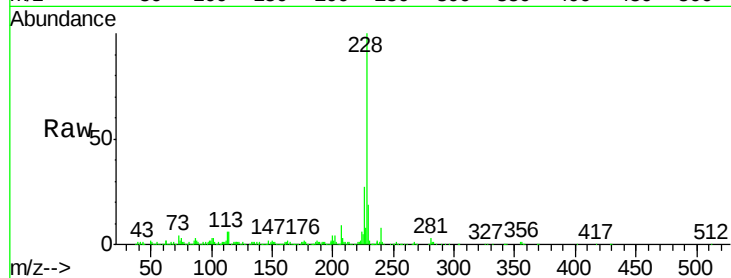
Tgt Ion:228 Resp: 412147

Ion Ratio Lower Upper

228 100

229 19.0 15.4 23.0

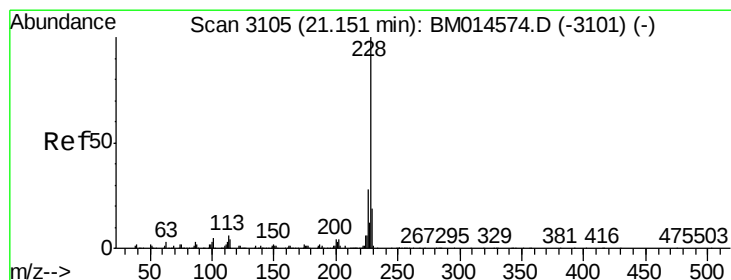
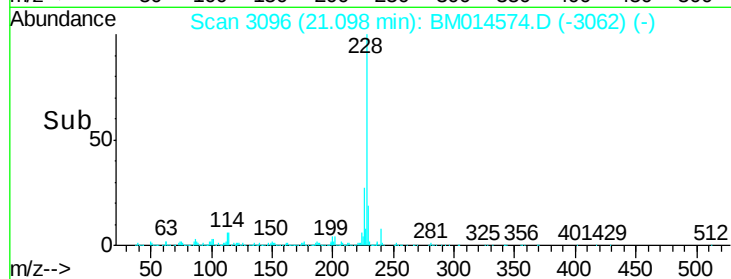
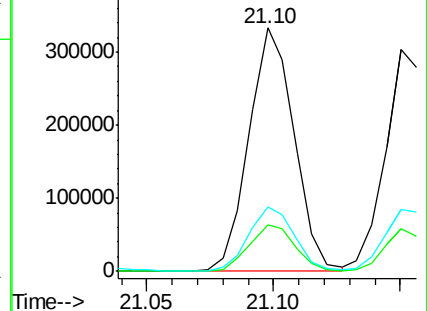
226 26.6 21.4 32.0



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: 19.538 ng/ul

RT: 21.15 min Scan# 3105

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

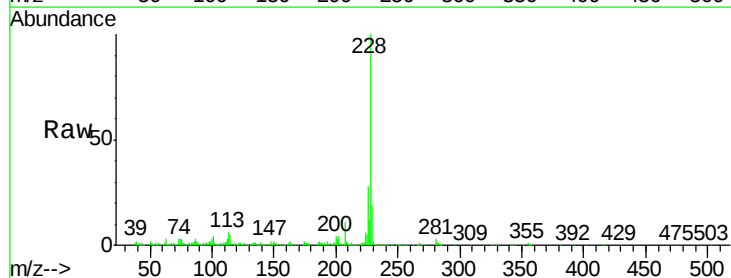
Tgt Ion:228 Resp: 379257

Ion Ratio Lower Upper

228 100

226 27.9 23.4 35.2

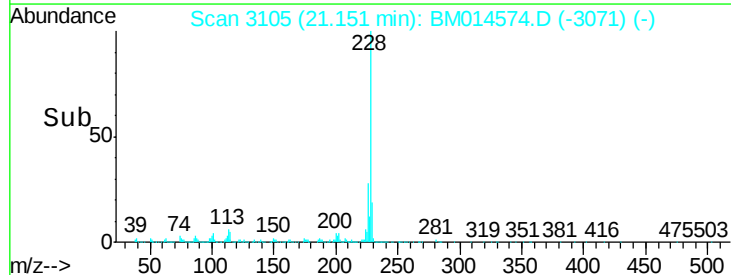
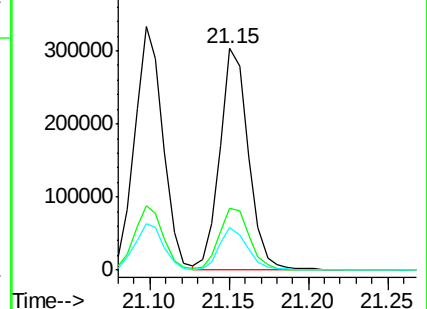
229 19.1 15.5 23.3

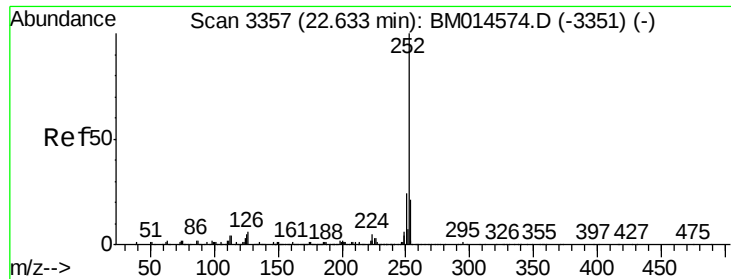


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 18.275 ng/ul

RT: 22.63 min Scan# 3357

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

Instrument :

BNA_M

ClientSampleId :

SSTD02045

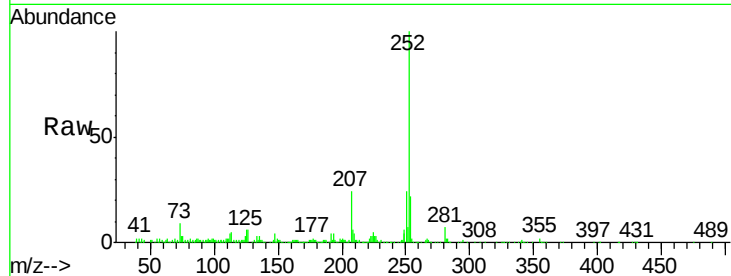
Tgt Ion:252 Resp: 357101

Ion Ratio Lower Upper

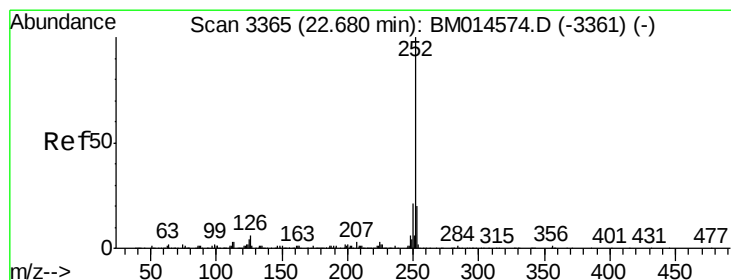
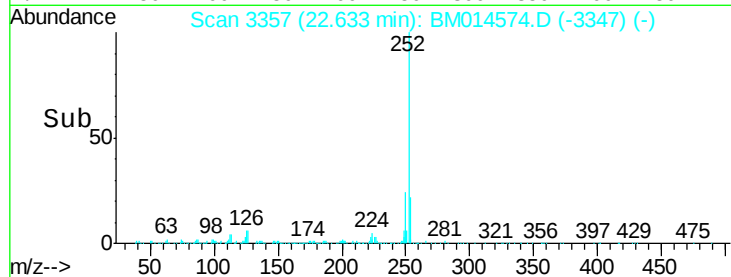
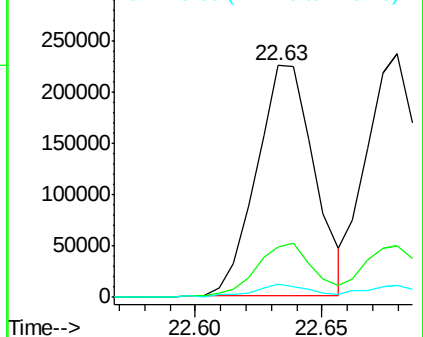
252 100

253 21.7 17.9 26.9

125 5.9 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: 18.769 ng/ul

RT: 22.68 min Scan# 3365

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

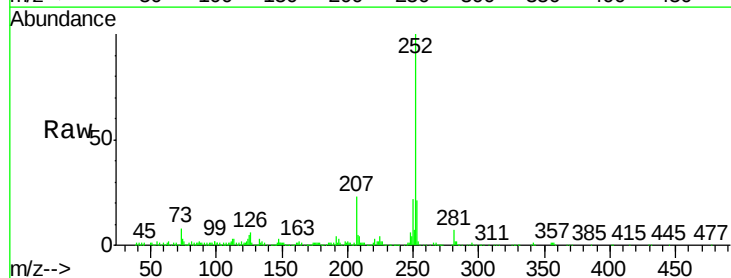
Tgt Ion:252 Resp: 350187

Ion Ratio Lower Upper

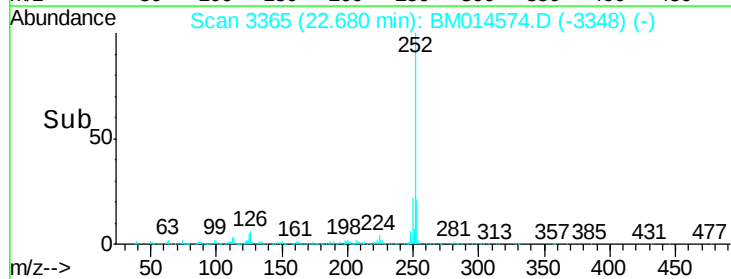
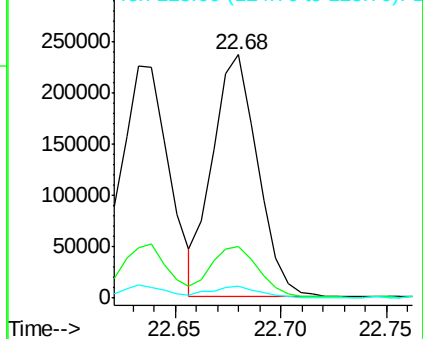
252 100

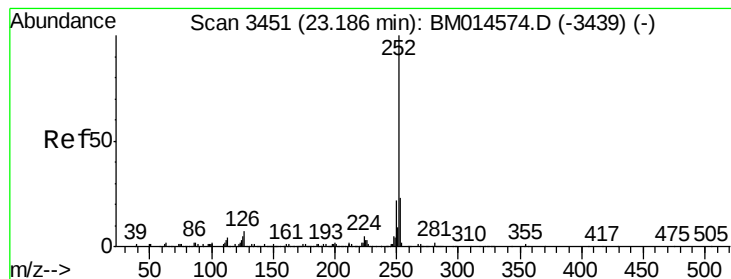
253 21.0 17.1 25.7

125 4.9 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: 18.607 ng/ul

RT: 23.19 min Scan# 3451

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

Instrument :

BNA_M

ClientSampleId :

SSTD02045

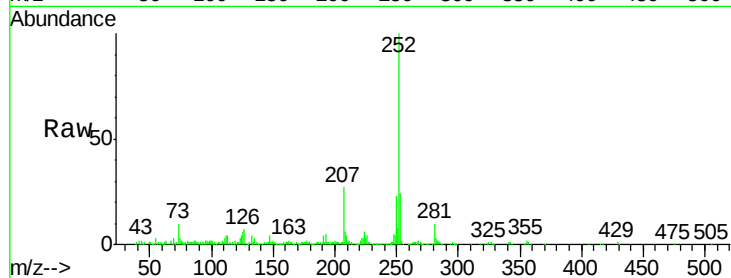
Tgt Ion:252 Resp: 344176

Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.2

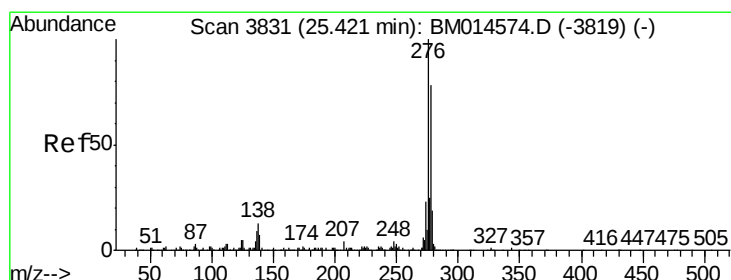
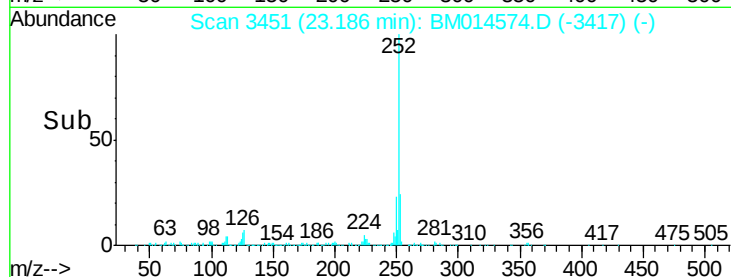
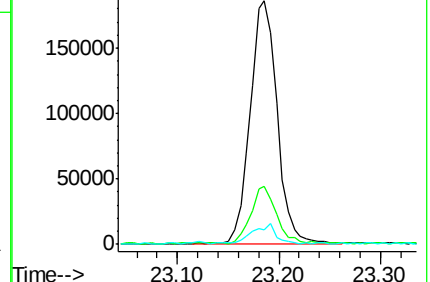
125 6.0 4.0 6.0



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: 18.859 ng/ul

RT: 25.42 min Scan# 3831

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

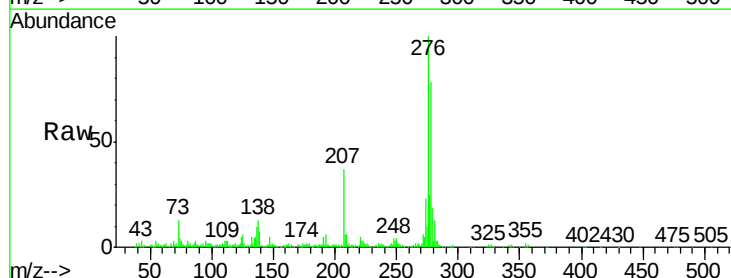
Tgt Ion:276 Resp: 401494

Ion Ratio Lower Upper

276 100

138 13.2 9.3 13.9

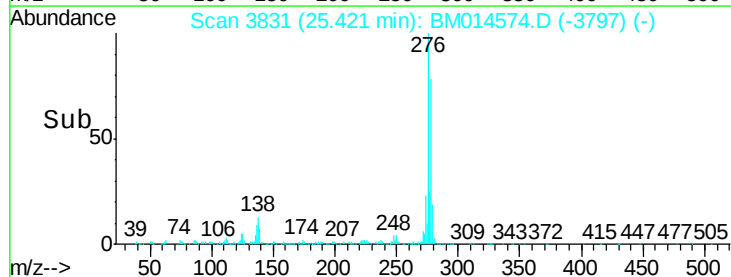
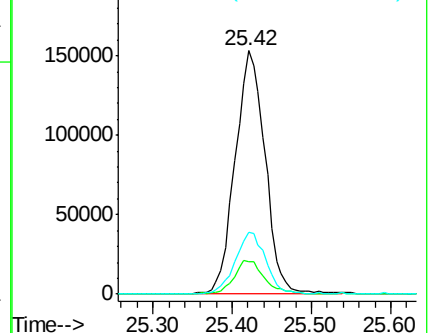
277 25.2 19.9 29.9

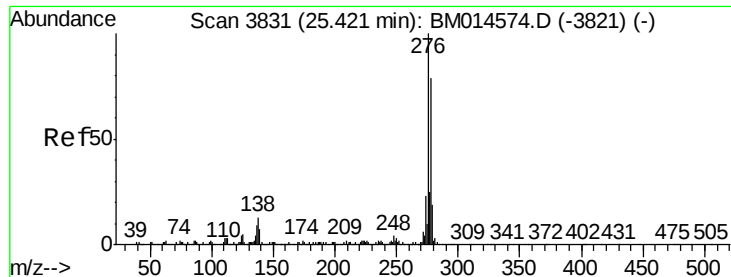


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 18.784 ng/ul

RT: 25.42 min Scan# 3831

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

Instrument :

BNA_M

ClientSampleId :

SSTD02045

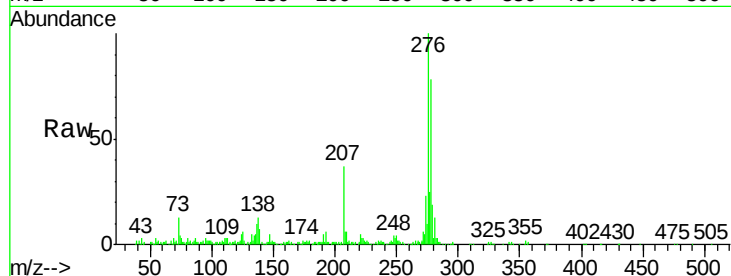
Tgt Ion:278 Resp: 334716

Ion Ratio Lower Upper

278 100

139 9.2 5.8 8.8#

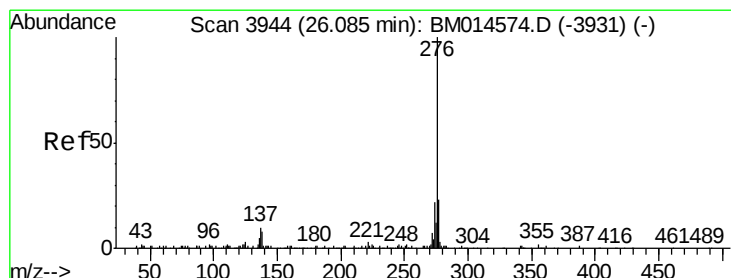
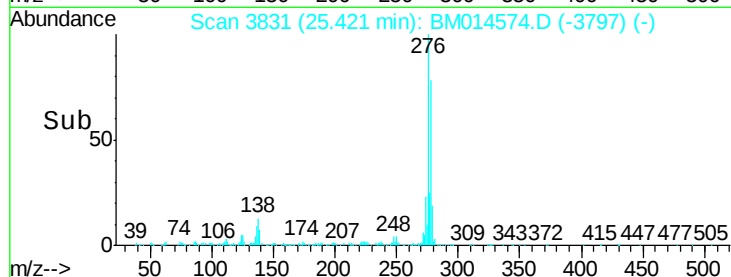
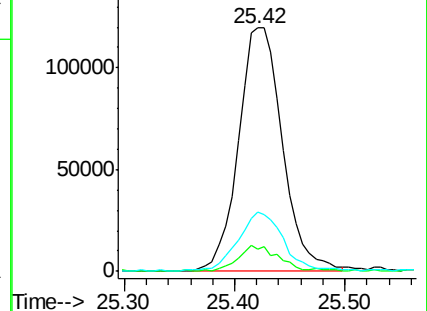
279 24.3 18.6 27.8



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: 18.906 ng/ul

RT: 26.09 min Scan# 3944

Delta R.T. 0.00 min

Lab File: BM014574.D

Acq: 15 Mar 2018 12:56

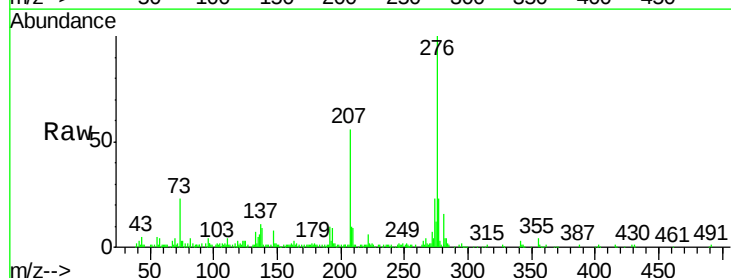
Tgt Ion:276 Resp: 322905

Ion Ratio Lower Upper

276 100

138 9.0 8.5 12.7

277 23.4 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

