

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM031518\
 Data File : BM014573.D
 Acq On : 15 Mar 2018 12:20
 Operator : SJ/JU
 Sample : SSTD01044
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD01044

Quant Time: Mar 16 14:42:58 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	85457	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	382817	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	226840	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	506406	20.00	ng/ul	0.00
18) Chrysene-d12	21.12	240	374881	20.00	ng/ul	0.00
23) Perylene-d12	23.28	264	308478	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.89	165	55179	9.33	ng/ul	0.00
7) Acenaphthylene-d8	13.82	160	242139	9.99	ng/ul	0.00
10) Fluorene-d10	15.13	176	153470	9.66	ng/ul	0.00
15) Anthracene-d10	16.99	188	244925	10.10	ng/ul	0.00
19) Pyrene-d10	19.31	212	236593	10.50	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.28	264	301457	20.14	ng/ul	0.14

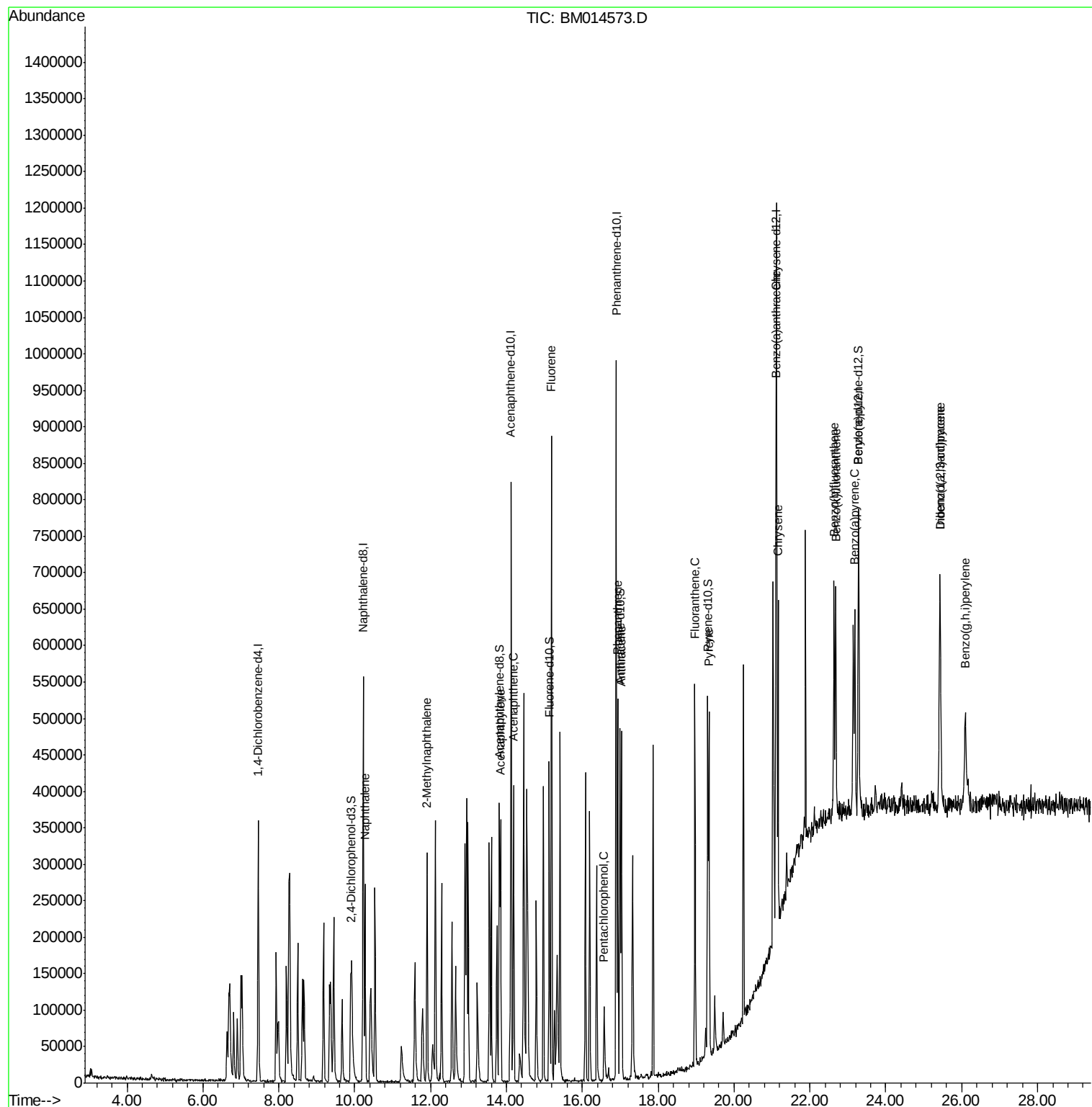
Target Compounds				Qvalue		
4) Naphthalene	10.27	128	192115	9.881	ng/ul	99
5) 2-Methylnaphthalene	11.90	142	135473	9.958	ng/ul	98
8) Acenaphthylene	13.85	152	221492	9.843	ng/ul	99
9) Acenaphthene	14.19	153	151583	9.843	ng/ul	95
11) Fluorene	15.19	166	181947	9.971	ng/ul	97
13) Pentachlorophenol	16.57	266	18875	8.142	ng/ul	96
14) Phenanthrene	16.93	178	278626	9.824	ng/ul	98
16) Anthracene	17.03	178	278028	9.807	ng/ul	97
17) Fluoranthene	18.97	202	297622	9.245	ng/ul#	95
20) Pyrene	19.34	202	299569	10.625	ng/ul	98
21) Benzo(a)anthracene	21.10	228	238948	10.079	ng/ul	99
22) Chrysene	21.16	228	216800	9.946	ng/ul	99
24) Benzo(b)fluoranthene	22.64	252	205196	10.551	ng/ul#	98
25) Benzo(k)fluoranthene	22.68	252	179070	9.644	ng/ul#	96
27) Benzo(a)pyrene	23.19	252	182023	9.888	ng/ul#	95
28) Indeno(1,2,3-cd)pyrene	25.43	276	200566	9.466	ng/ul	98
29) Dibenzo(a,h)anthracene	25.43	278	163821	9.238	ng/ul#	92
30) Benzo(g,h,i)perylene	26.09	276	167515	9.855	ng/ul	97

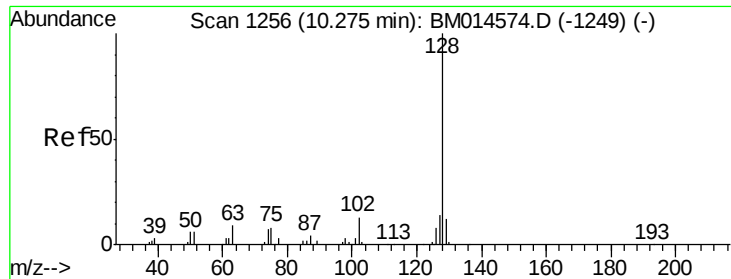
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 16 14:35:19 2018
Response via : Initial Calibration





#4

Naphthalene

Concen: 9.881 ng/ul

RT: 10.27 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

Instrument :

BNA_M

ClientSampleId :

SSTD01044

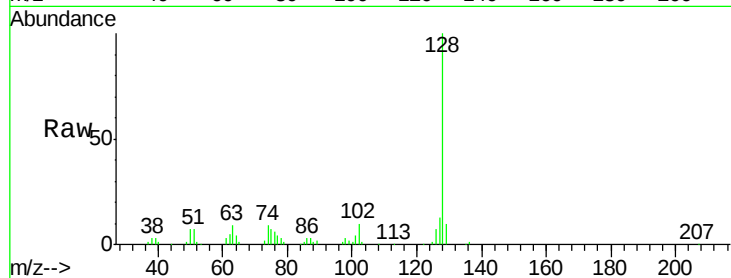
Tgt Ion:128 Resp: 192115

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

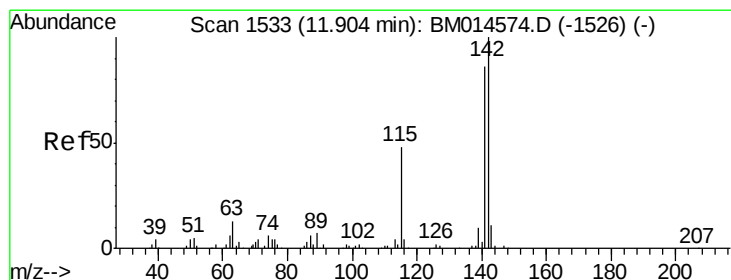
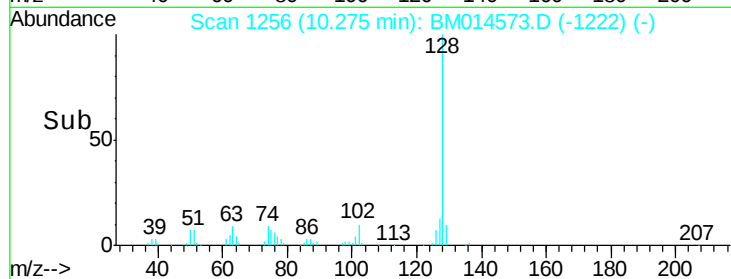
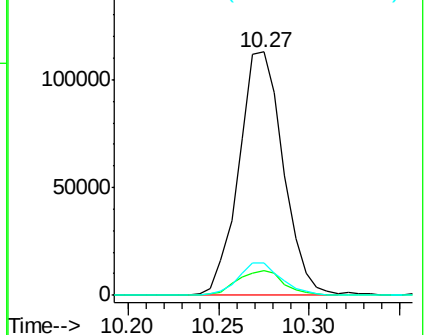
127 13.1 10.6 16.0



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: 9.958 ng/ul

RT: 11.90 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BM014573.D

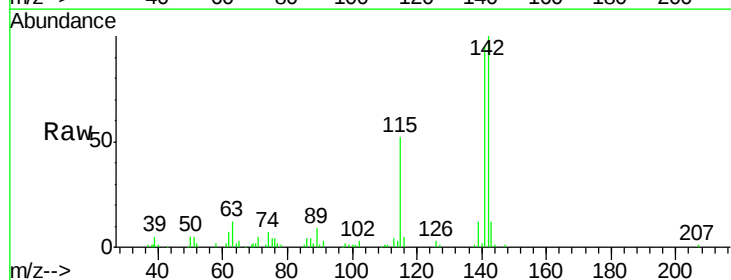
Acq: 15 Mar 2018 12:20

Tgt Ion:142 Resp: 135473

Ion Ratio Lower Upper

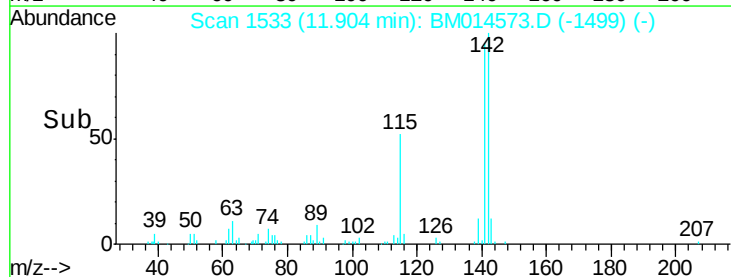
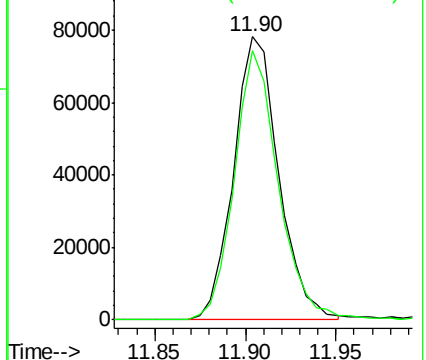
142 100

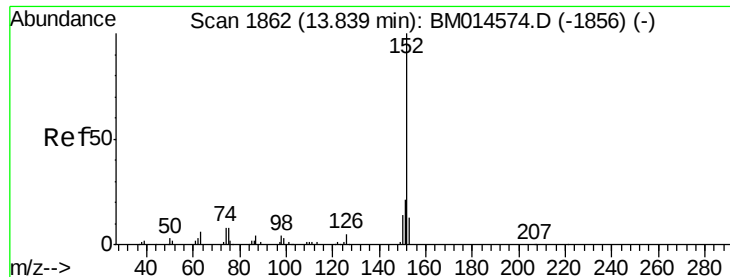
141 94.9 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 9.843 ng/ul

RT: 13.85 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

Instrument :

BNA_M

ClientSampleId :

SSTD01044

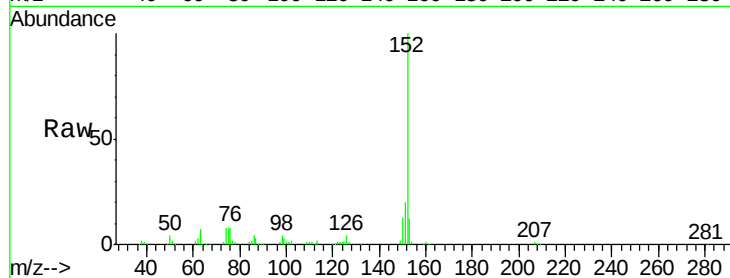
Tgt Ion:152 Resp: 221492

Ion Ratio Lower Upper

152 100

151 19.8 16.3 24.5

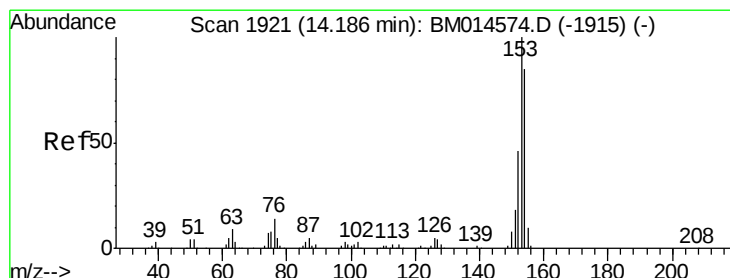
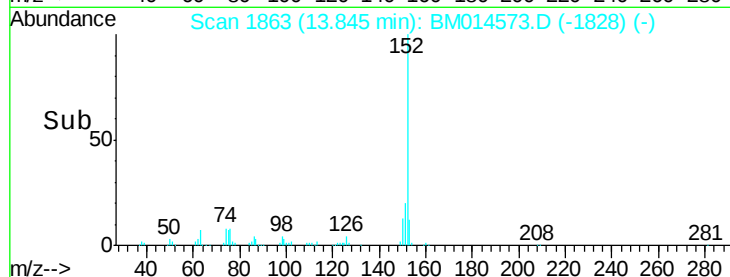
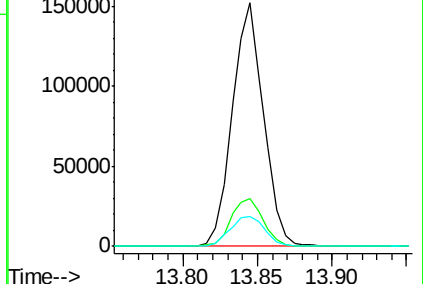
153 12.5 10.2 15.4



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: 9.843 ng/ul

RT: 14.19 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

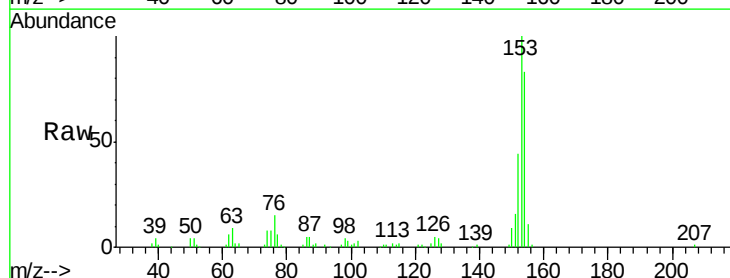
Tgt Ion:153 Resp: 151583

Ion Ratio Lower Upper

153 100

152 44.0 37.6 56.4

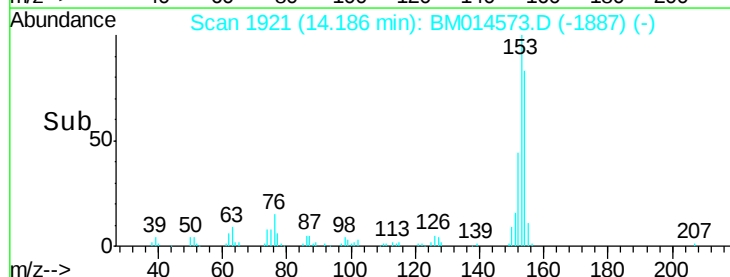
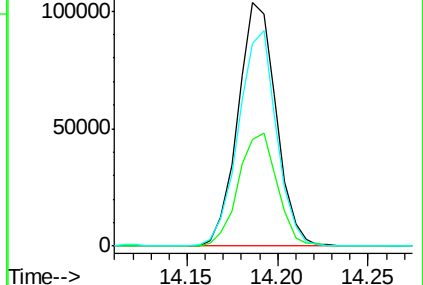
154 83.4 70.4 105.6

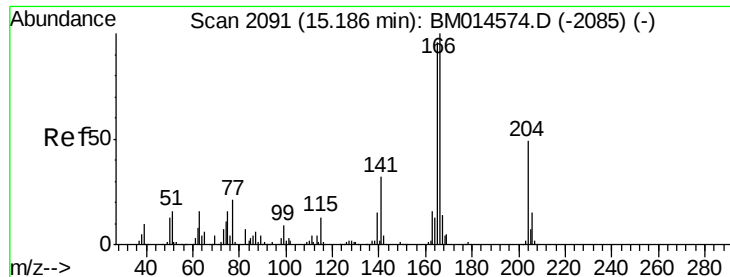


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 9.971 ng/ul

RT: 15.19 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

Instrument :

BNA_M

ClientSampleId :

SSTD01044

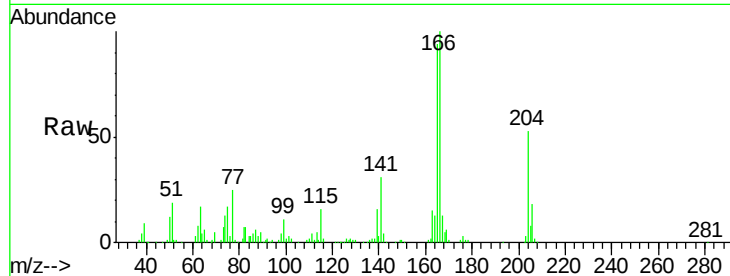
Tgt Ion:166 Resp: 181947

Ion Ratio Lower Upper

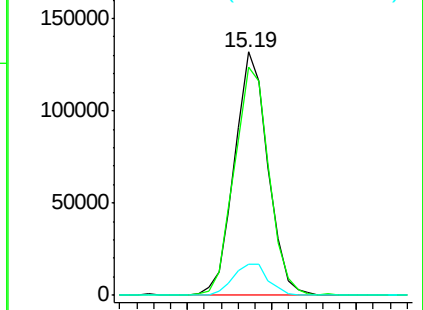
166 100

165 93.9 77.9 116.9

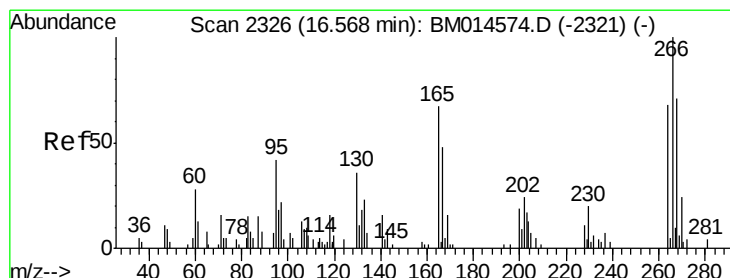
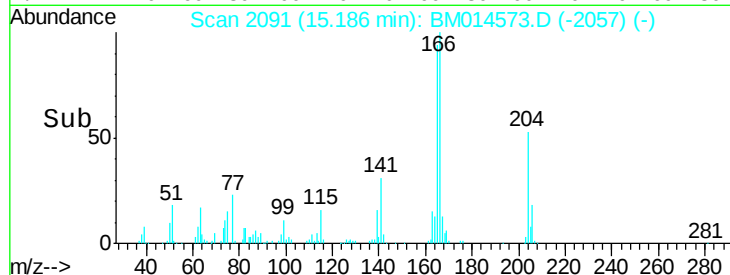
167 12.7 10.6 16.0



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



Time-->



#13

Pentachlorophenol

Concen: 8.142 ng/ul

RT: 16.57 min Scan# 2327

Delta R.T. 0.01 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

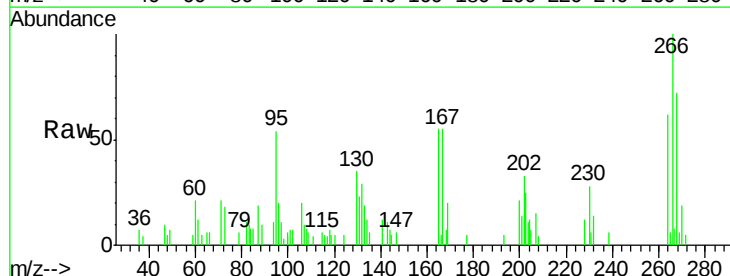
Tgt Ion:266 Resp: 18875

Ion Ratio Lower Upper

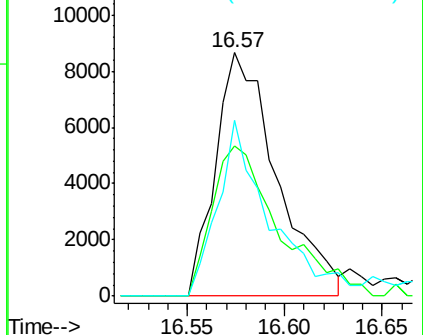
266 100

264 61.9 49.3 73.9

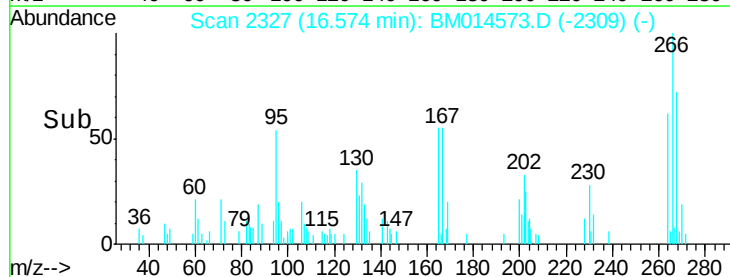
268 72.2 52.6 78.8

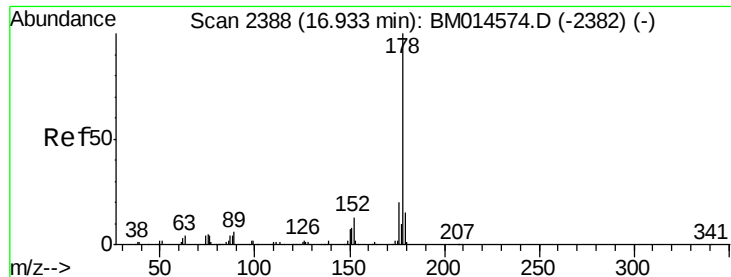


Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time-->





#14

Phenanthrene

Concen: 9.824 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

Instrument :

BNA_M

ClientSampleId :

SSTD01044

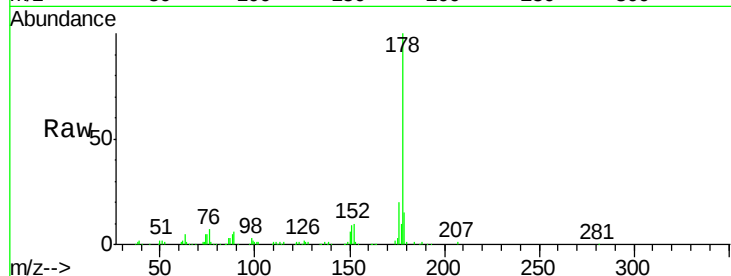
Tgt Ion:178 Resp: 278626

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

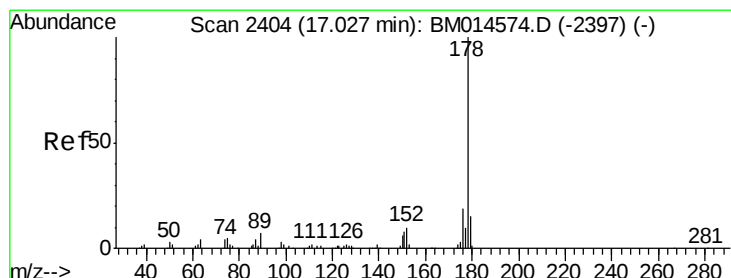
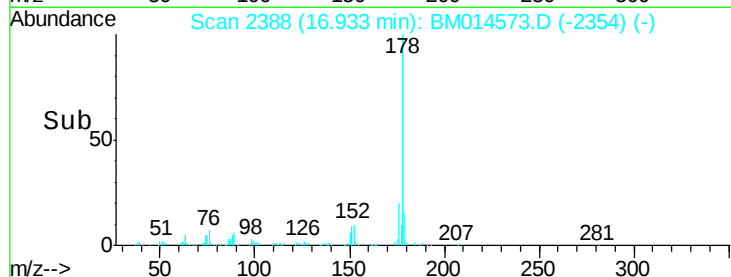
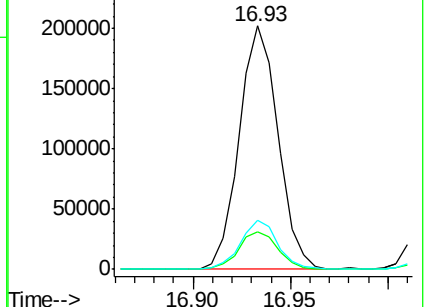
176 19.9 14.9 22.3



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: 9.807 ng/ul

RT: 17.03 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

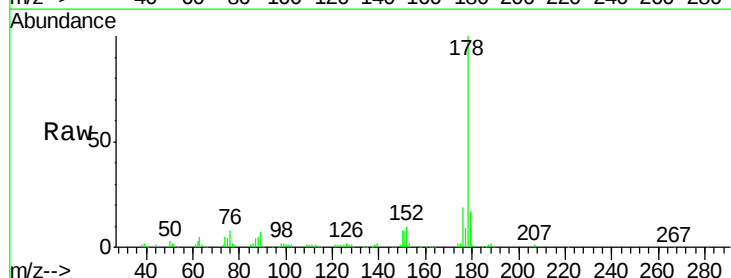
Tgt Ion:178 Resp: 278028

Ion Ratio Lower Upper

178 100

179 16.7 11.7 17.5

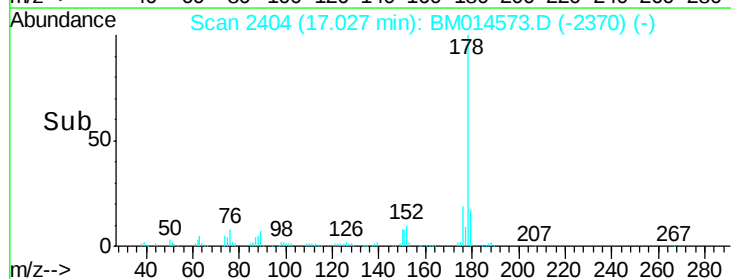
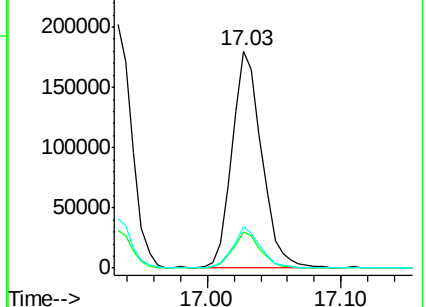
176 18.9 14.6 21.8

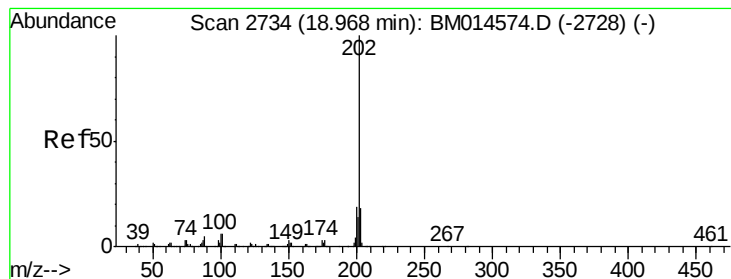


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 9.245 ng/ul

RT: 18.97 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

Instrument :

BNA_M

ClientSampled :

SSTD01044

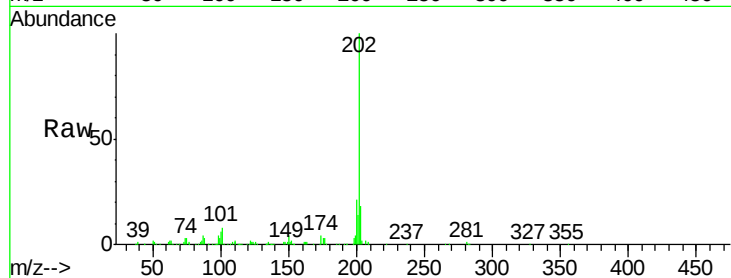
Tgt Ion:202 Resp: 297622

Ion Ratio Lower Upper

202 100

101 7.7 4.6 7.0#

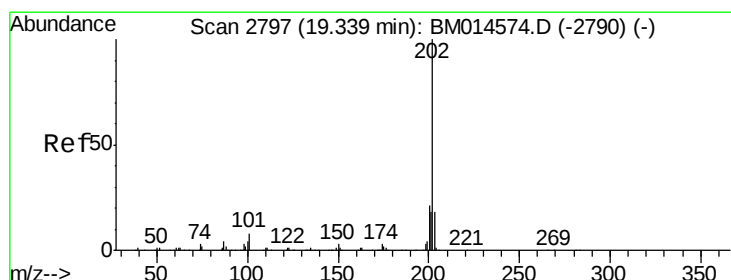
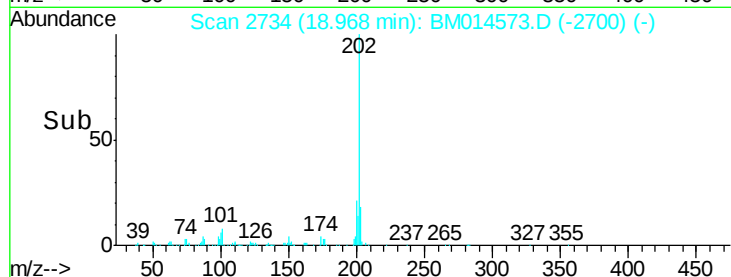
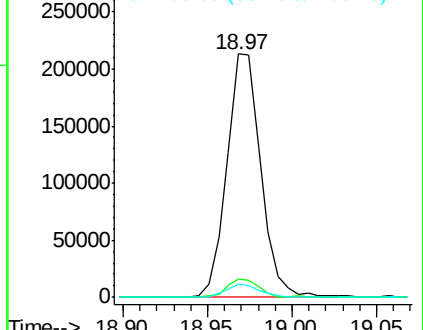
100 5.6 3.4 5.2#



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: 10.625 ng/ul

RT: 19.34 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

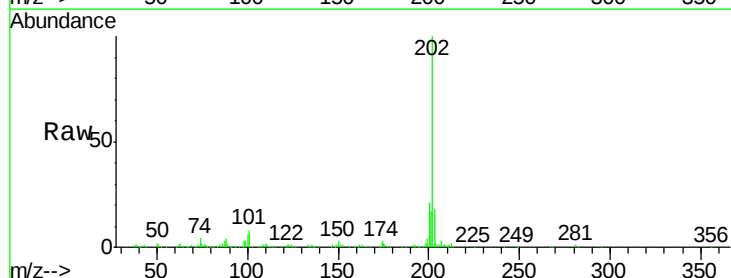
Tgt Ion:202 Resp: 299569

Ion Ratio Lower Upper

202 100

101 7.6 5.1 7.7

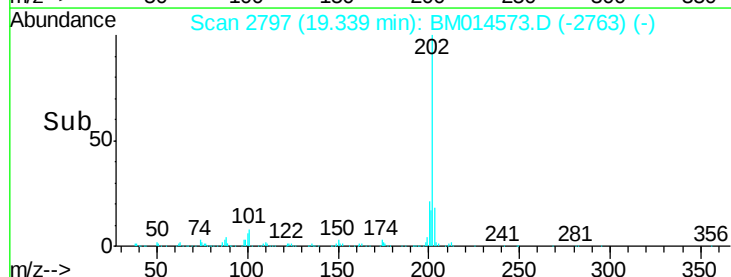
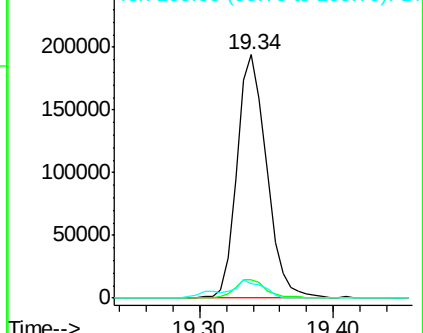
100 6.0 4.9 7.3

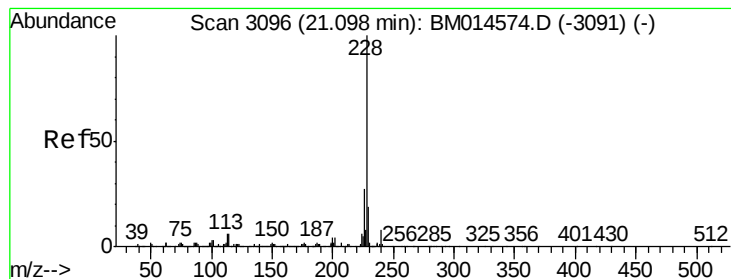


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 10.079 ng/ul

RT: 21.10 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

Instrument :

BNA_M

ClientSampleId :

SSTD01044

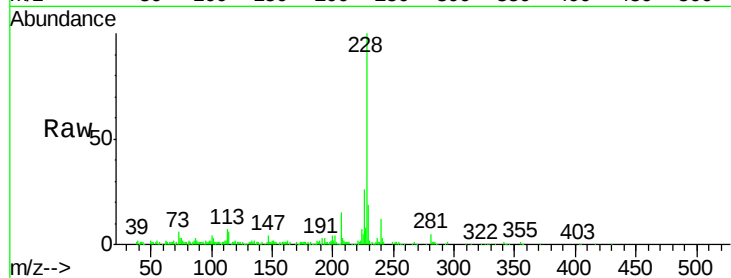
Tgt Ion:228 Resp: 238948

Ion Ratio Lower Upper

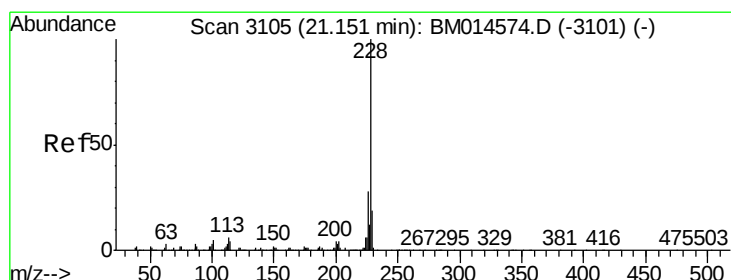
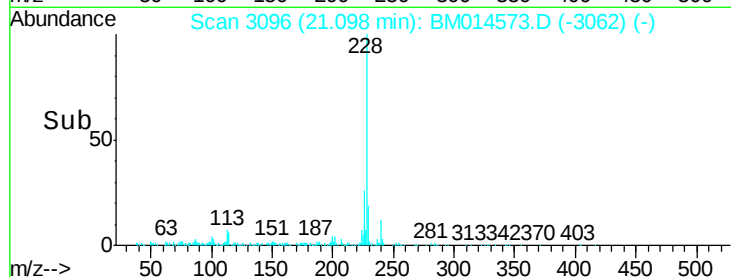
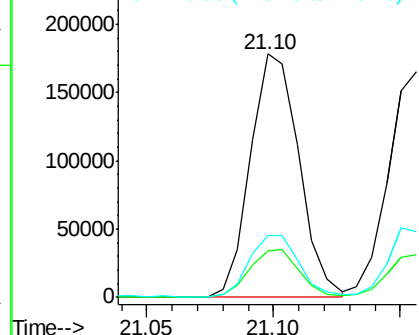
228 100

229 19.2 15.4 23.0

226 25.6 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: 9.946 ng/ul

RT: 21.16 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

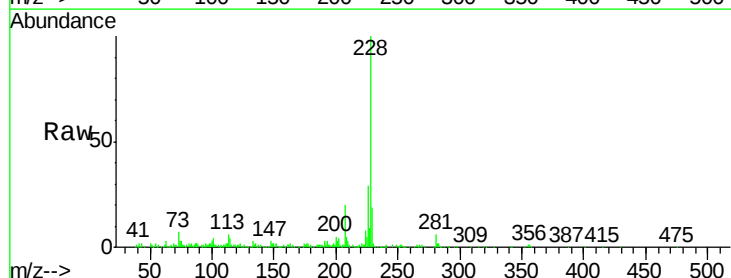
Tgt Ion:228 Resp: 216800

Ion Ratio Lower Upper

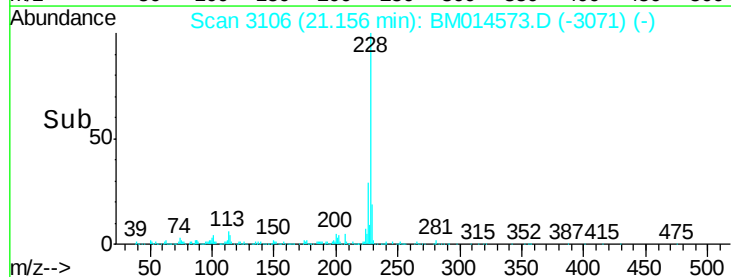
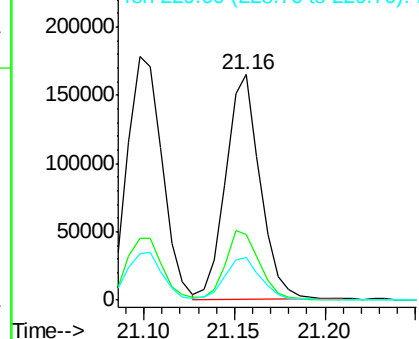
228 100

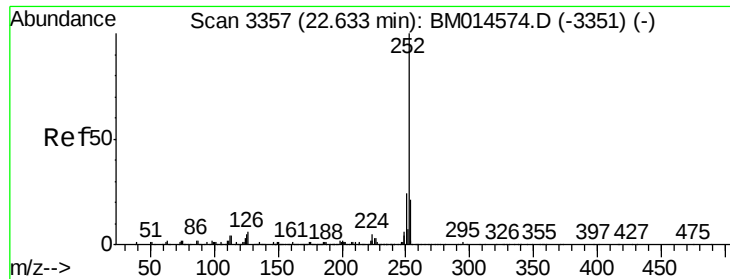
226 29.2 23.4 35.2

229 18.9 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: 10.551 ng/ul

RT: 22.64 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

Instrument :

BNA_M

ClientSampleId :

SSTD01044

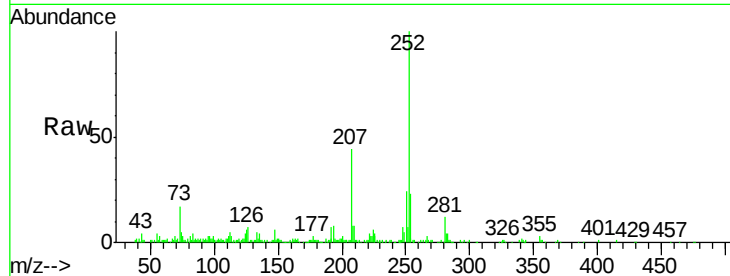
Tgt Ion:252 Resp: 205196

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

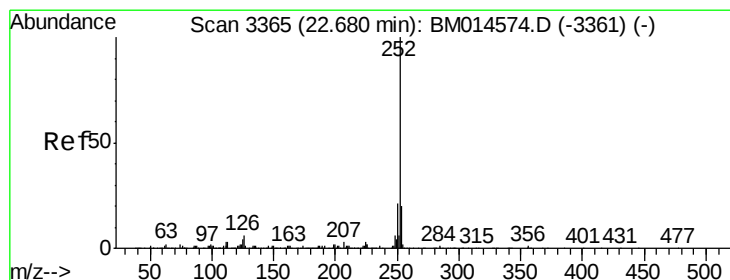
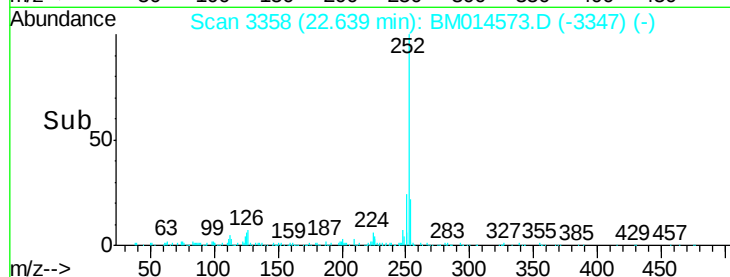
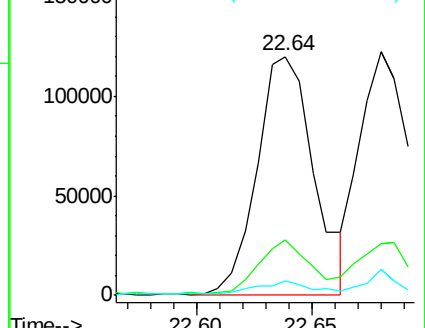
125 6.1 3.6 5.4#



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: 9.644 ng/ul

RT: 22.68 min Scan# 3365

Delta R.T. 0.00 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

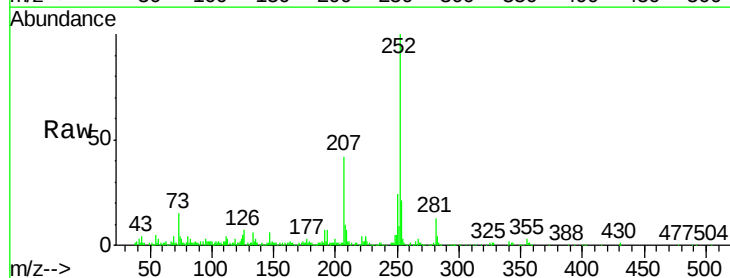
Tgt Ion:252 Resp: 179070

Ion Ratio Lower Upper

252 100

253 21.0 17.1 25.7

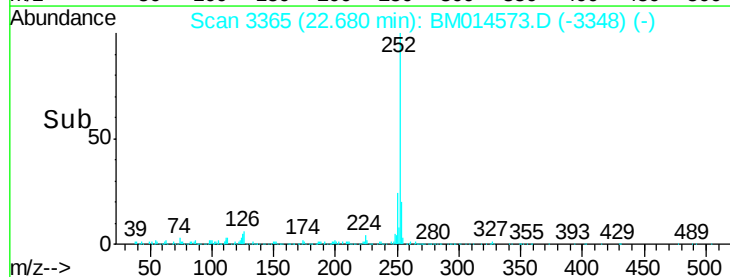
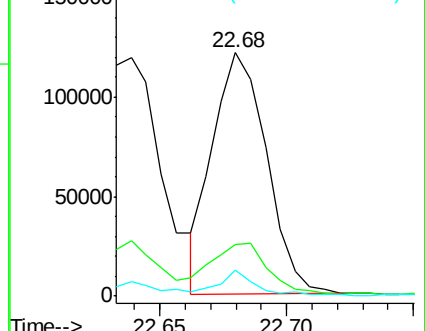
125 10.5 3.4 5.2#

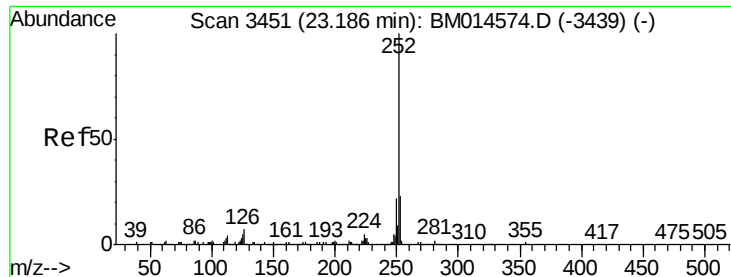


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 9.888 ng/ul

RT: 23.19 min Scan# 3451

Delta R.T. 0.00 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

Instrument :

BNA_M

ClientSampleId :

SSTD01044

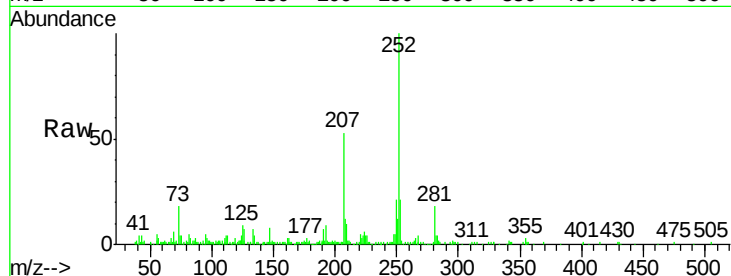
Tgt Ion:252 Resp: 182023

Ion Ratio Lower Upper

252 100

253 21.0 18.2 27.2

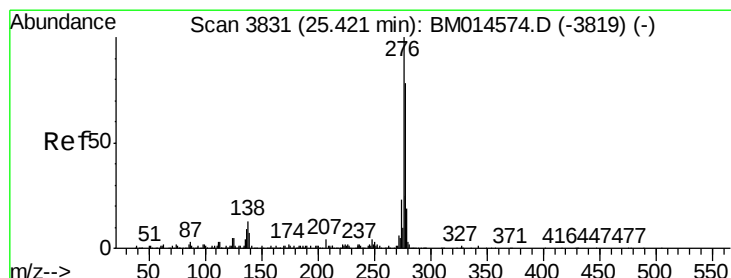
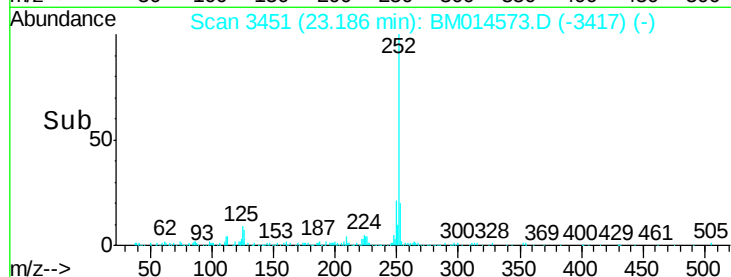
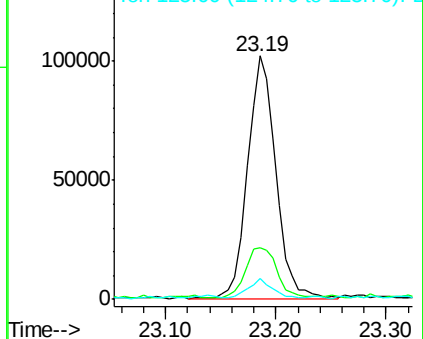
125 8.6 4.0 6.0#



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: 9.466 ng/ul

RT: 25.43 min Scan# 3832

Delta R.T. 0.01 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

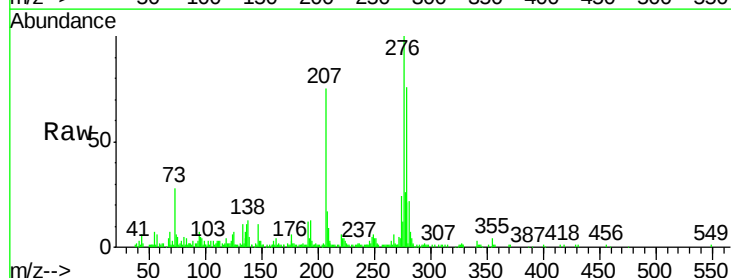
Tgt Ion:276 Resp: 200566

Ion Ratio Lower Upper

276 100

138 12.7 9.3 13.9

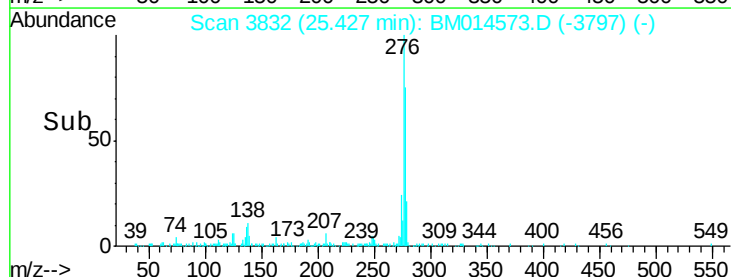
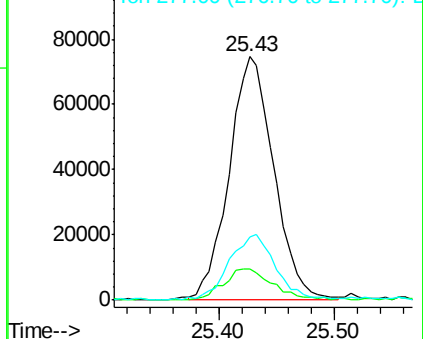
277 25.8 19.9 29.9

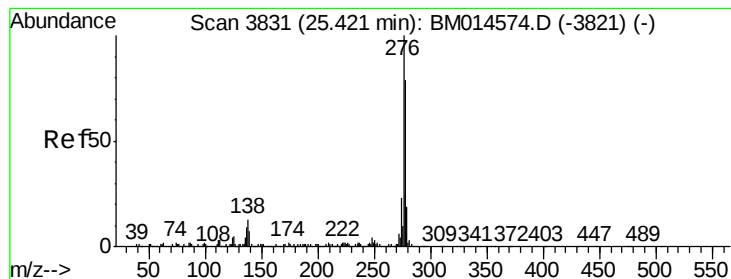


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 9.238 ng/ul

RT: 25.43 min Scan# 3832

Delta R.T. 0.01 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

Instrument :

BNA_M

ClientSampleId :

SSTD01044

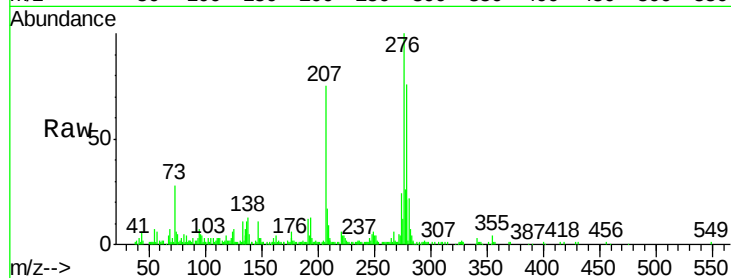
Tgt Ion:278 Resp: 163821

Ion Ratio Lower Upper

278 100

139 7.2 5.8 8.8

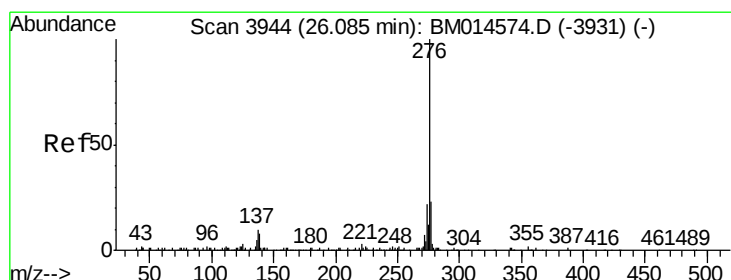
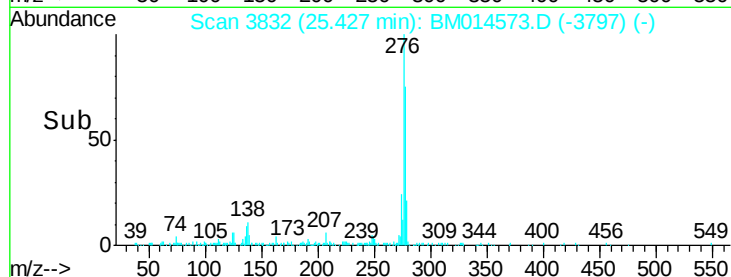
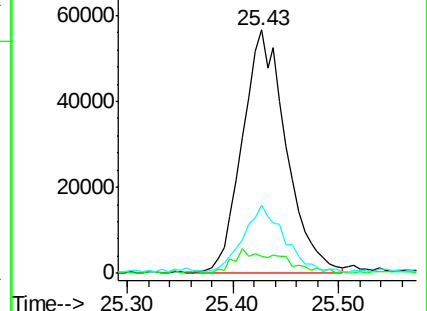
279 28.2 18.6 27.8#



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: 9.855 ng/ul

RT: 26.09 min Scan# 3945

Delta R.T. 0.01 min

Lab File: BM014573.D

Acq: 15 Mar 2018 12:20

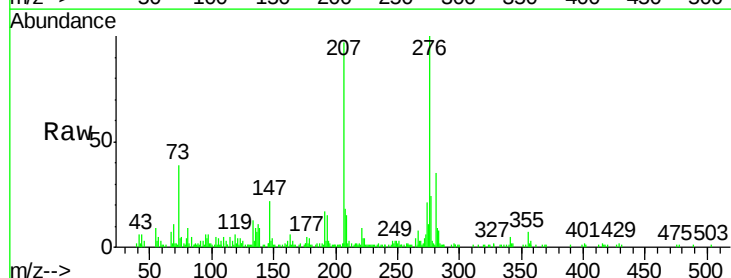
Tgt Ion:276 Resp: 167515

Ion Ratio Lower Upper

276 100

138 9.3 8.5 12.7

277 24.4 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

