

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM031518\
 Data File : BM014572.D
 Acq On : 15 Mar 2018 11:44
 Operator : SJ/JU
 Sample : SSTD00543
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD00543

Quant Time: Mar 16 14:42:39 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 14:26:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	76212	20.00	ng/ul	0.00
2) Naphthalene-d8	10.23	136	318877	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	183136	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	402936	20.00	ng/ul	0.00
18) Chrysene-d12	21.12	240	324169	20.00	ng/ul	0.00
23) Perylene-d12	23.28	264	302176	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.92	165	16959	3.44	ng/ul	0.04
7) Acenaphthylene-d8	13.82	160	95400	4.87	ng/ul	0.00
10) Fluorene-d10	15.13	176	62425	4.87	ng/ul	0.00
15) Anthracene-d10	17.00	188	91975	4.77	ng/ul	0.00
19) Pyrene-d10	19.31	212	97161	4.99	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.14	264	72830	4.97	ng/ul	0.00

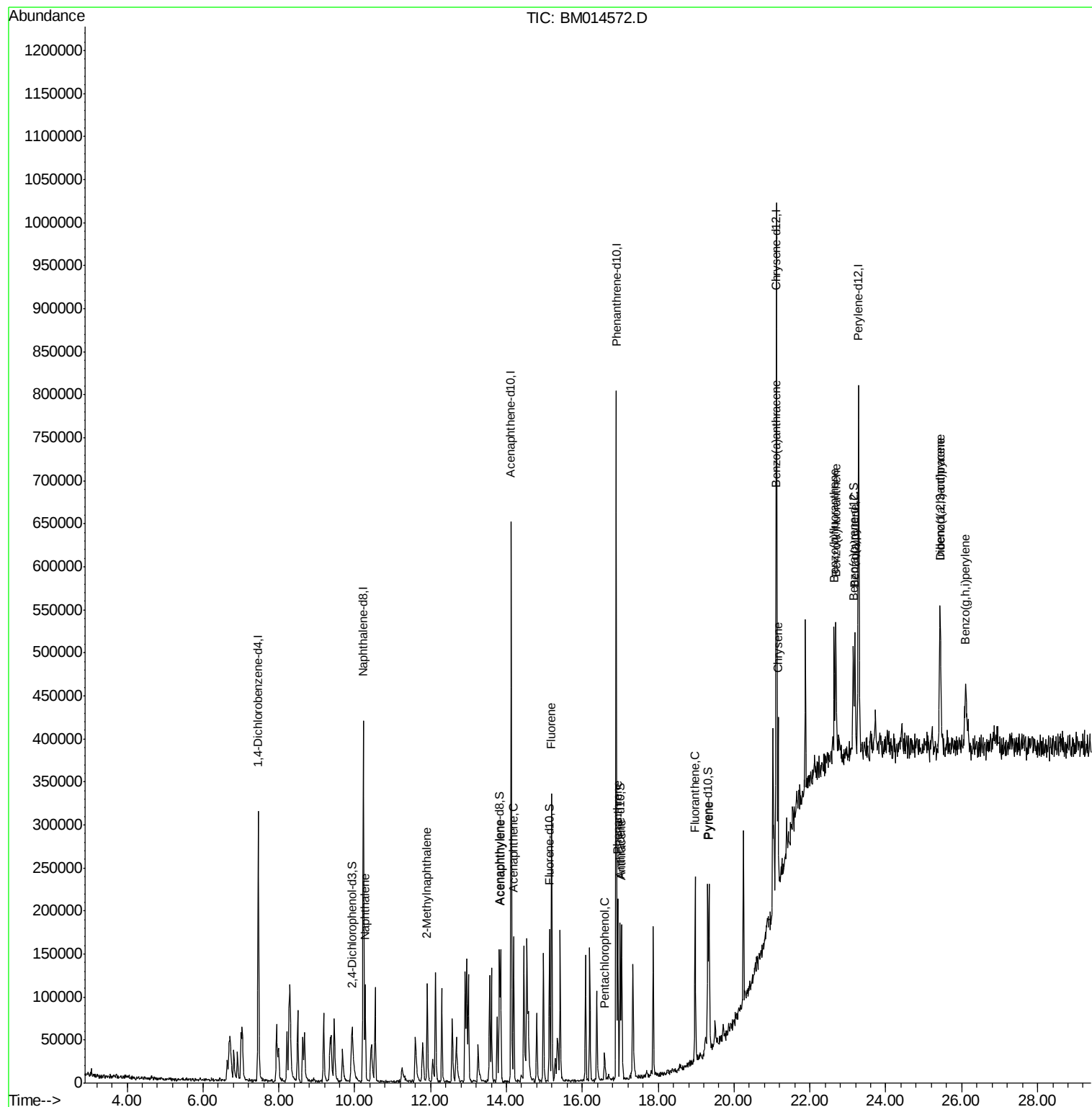
Target Compounds				Qvalue		
4) Naphthalene	10.28	128	79707	4.922	ng/ul	96
5) 2-Methylnaphthalene	11.91	142	53406	4.713	ng/ul	95
8) Acenaphthylene	13.85	152	90316	4.972	ng/ul	93
9) Acenaphthene	14.19	153	60580	4.873	ng/ul	99
11) Fluorene	15.19	166	69045	4.687	ng/ul	97
13) Pentachlorophenol	16.58	266	5933	3.217	ng/ul#	87
14) Phenanthrene	16.94	178	110943	4.916	ng/ul	97
16) Anthracene	17.03	178	110065	4.879	ng/ul	97
17) Fluoranthene	18.97	202	116666	4.555	ng/ul#	94
20) Pyrene	19.34	202	122499	5.025	ng/ul	98
21) Benzo(a)anthracene	21.10	228	102252	4.988	ng/ul	97
22) Chrysene	21.16	228	96142	5.101	ng/ul	99
24) Benzo(b)fluoranthene	22.64	252	90260	4.738	ng/ul#	98
25) Benzo(k)fluoranthene	22.69	252	88636	4.873	ng/ul#	95
27) Benzo(a)pyrene	23.19	252	91148	5.055	ng/ul#	90
28) Indeno(1,2,3-cd)pyrene	25.43	276	101122	4.872	ng/ul	98
29) Dibenzo(a,h)anthracene	25.43	278	85565	4.926	ng/ul#	95
30) Benzo(g,h,i)perylene	26.09	276	35609	2.139	ng/ul	97

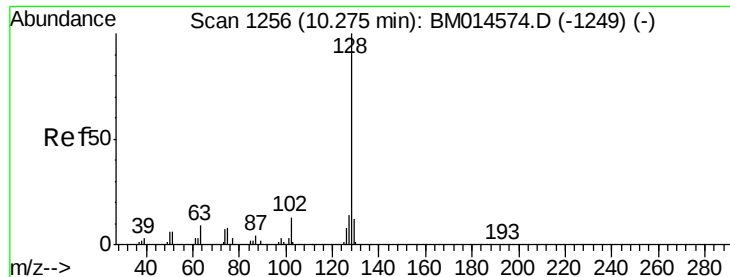
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 16 14:26:32 2018
Response via : Initial Calibration





#4

Naphthalene

Concen: 4.922 ng/ul

RT: 10.28 min Scan# 1257

Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

SSTD00543

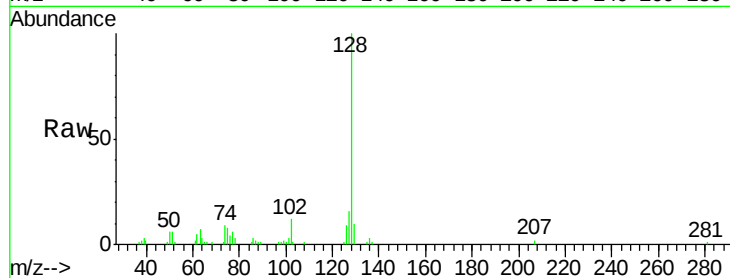
Tgt Ion:128 Resp: 79707

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

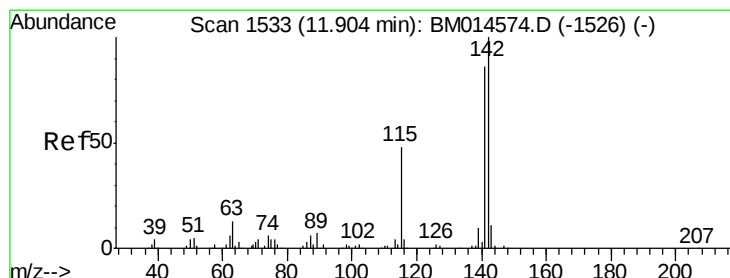
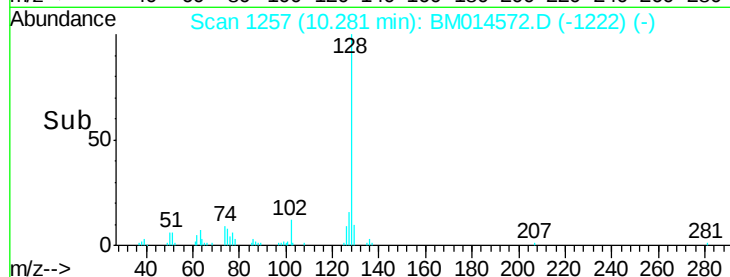
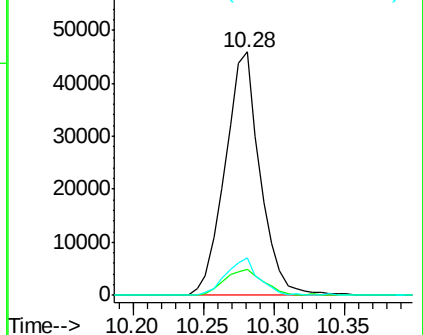
127 15.6 10.6 16.0



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: 4.713 ng/ul

RT: 11.91 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BM014572.D

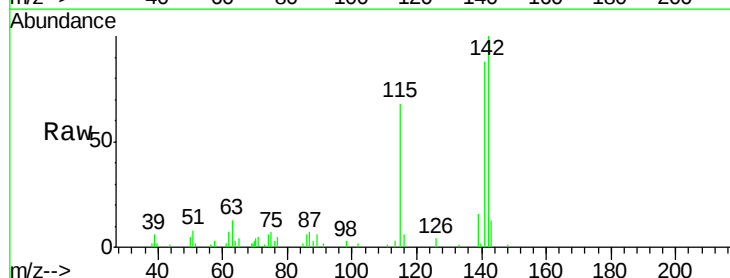
Acq: 15 Mar 2018 11:44

Tgt Ion:142 Resp: 53406

Ion Ratio Lower Upper

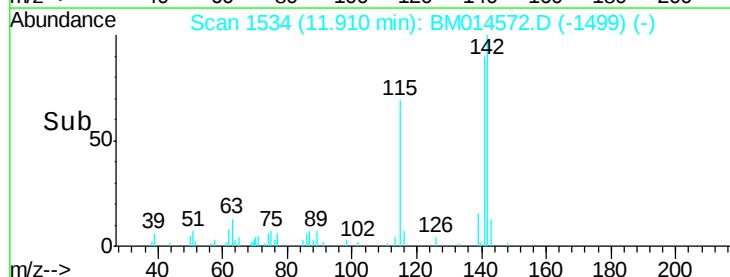
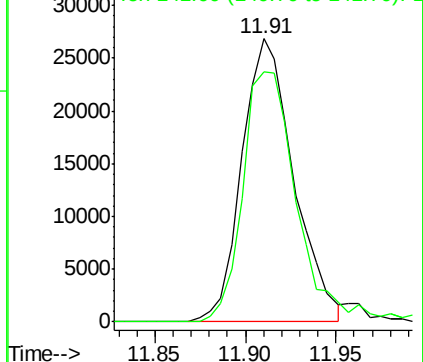
142 100

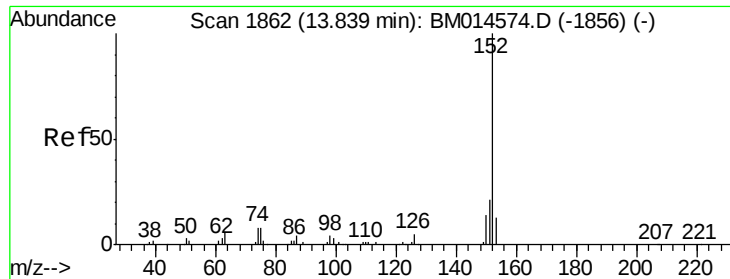
141 88.1 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 4.972 ng/ul

RT: 13.85 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

SSTD00543

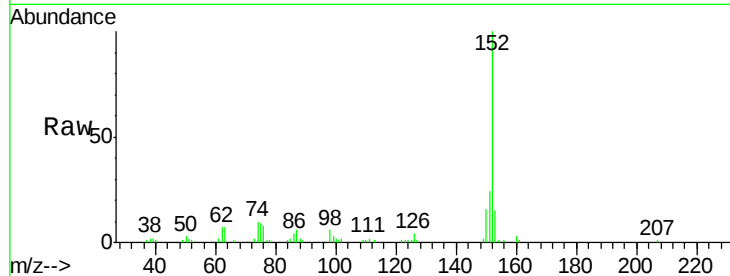
Tgt Ion:152 Resp: 90316

Ion Ratio Lower Upper

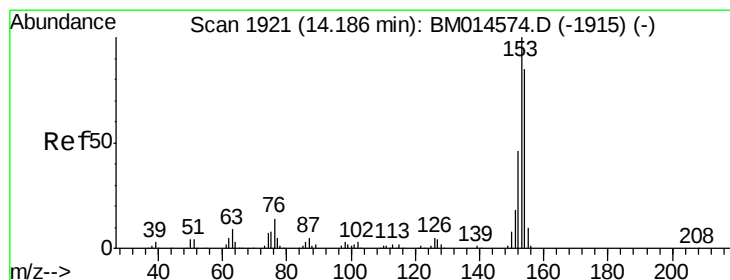
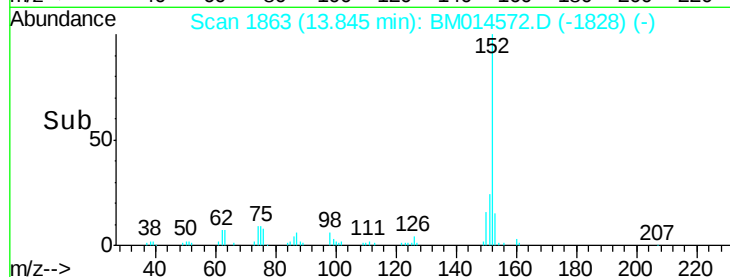
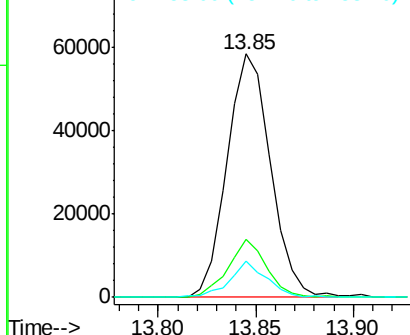
152 100

151 23.8 16.3 24.5

153 15.1 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: 4.873 ng/ul

RT: 14.19 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

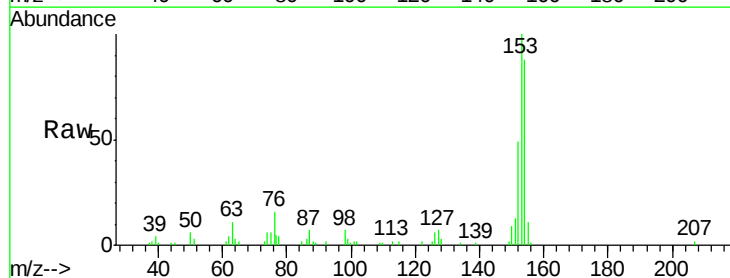
Tgt Ion:153 Resp: 60580

Ion Ratio Lower Upper

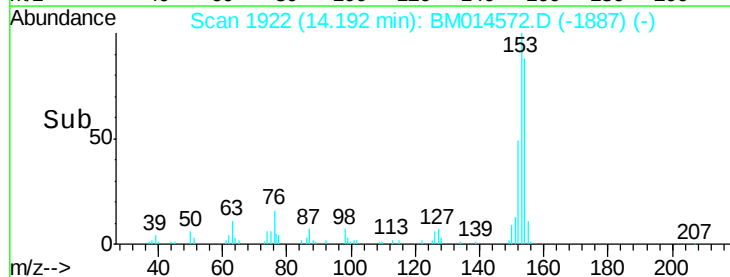
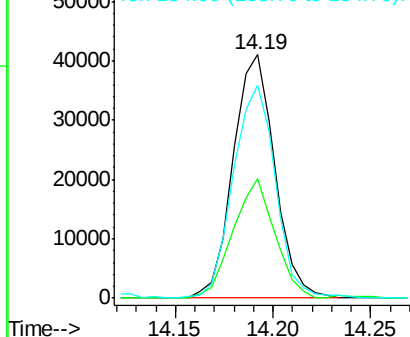
153 100

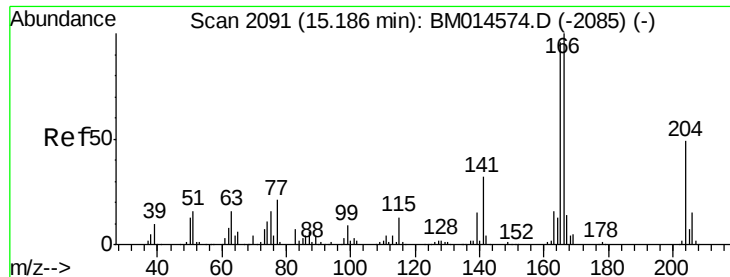
152 49.2 37.6 56.4

154 87.6 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: 4.687 ng/ul

RT: 15.19 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

SSTD00543

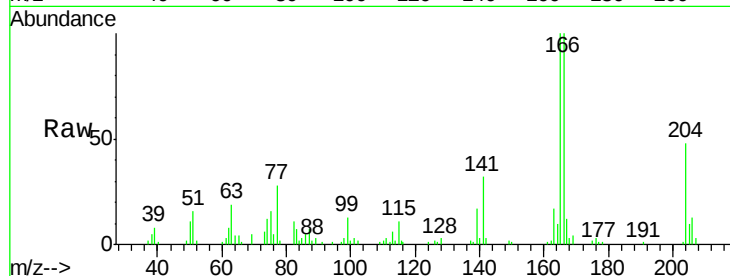
Tgt Ion:166 Resp: 69045

Ion Ratio Lower Upper

166 100

165 99.7 77.9 116.9

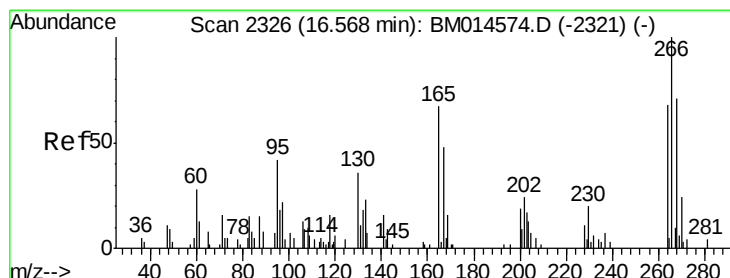
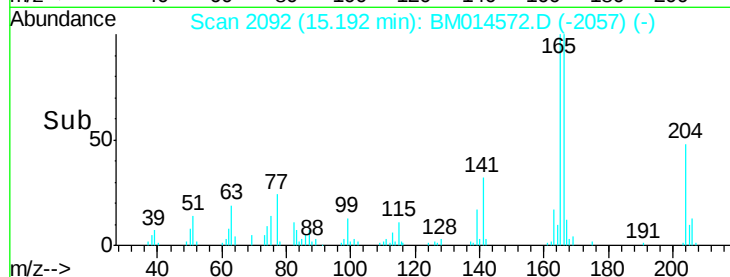
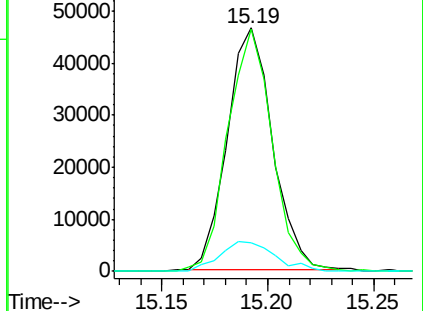
167 11.7 10.6 16.0



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



#13

Pentachlorophenol

Concen: 3.217 ng/ul

RT: 16.58 min Scan# 2328

Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

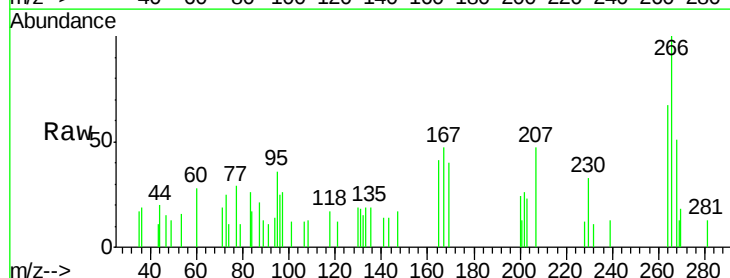
Tgt Ion:266 Resp: 5933

Ion Ratio Lower Upper

266 100

264 67.3 49.3 73.9

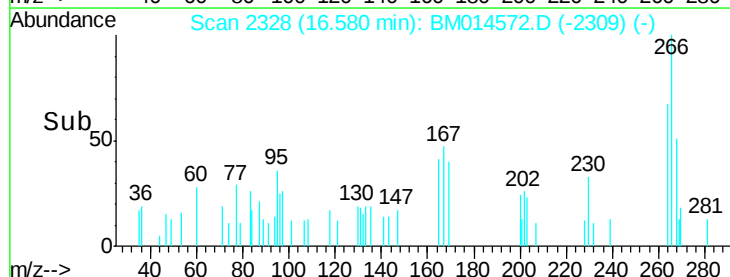
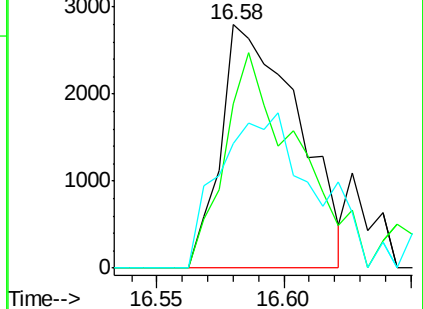
268 51.4 52.6 78.8#

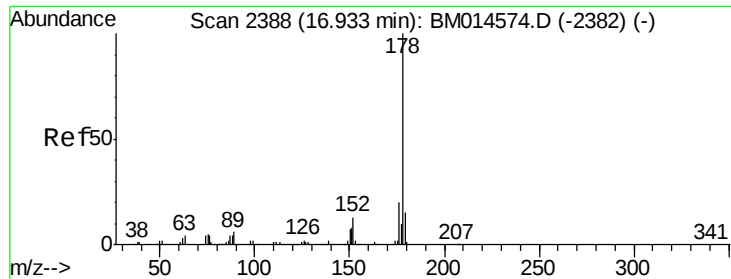


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 4.916 ng/ul

RT: 16.94 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

SSTD00543

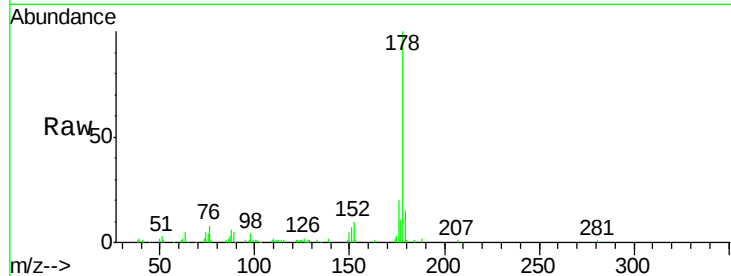
Tgt Ion:178 Resp: 110943

Ion Ratio Lower Upper

178 100

179 14.9 12.6 19.0

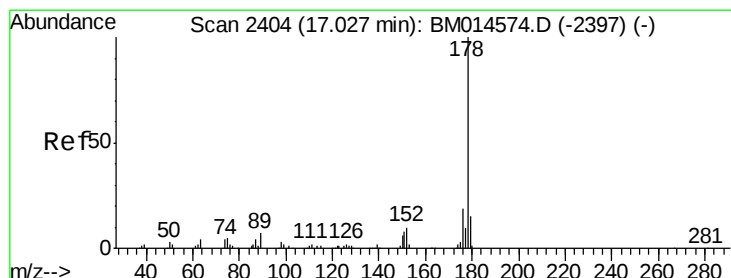
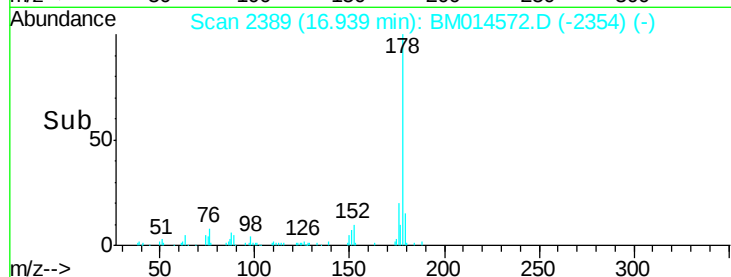
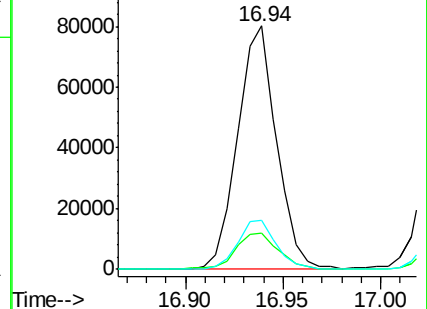
176 20.4 14.9 22.3



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: 4.879 ng/ul

RT: 17.03 min Scan# 2405

Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

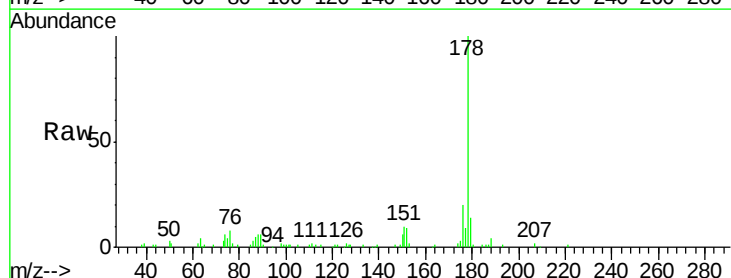
Tgt Ion:178 Resp: 110065

Ion Ratio Lower Upper

178 100

179 14.2 11.7 17.5

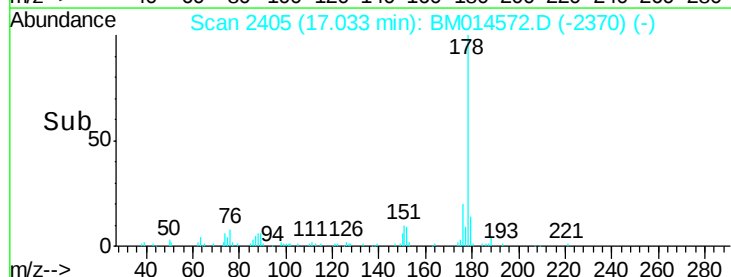
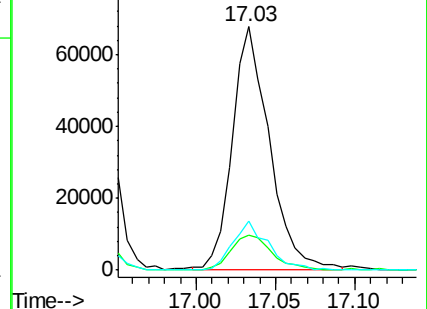
176 20.2 14.6 21.8

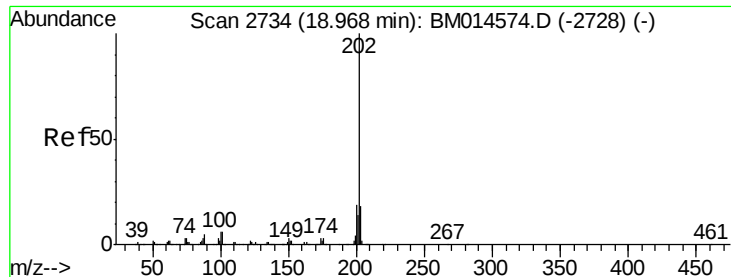


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

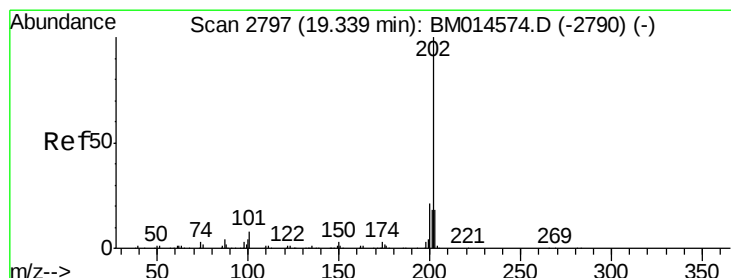
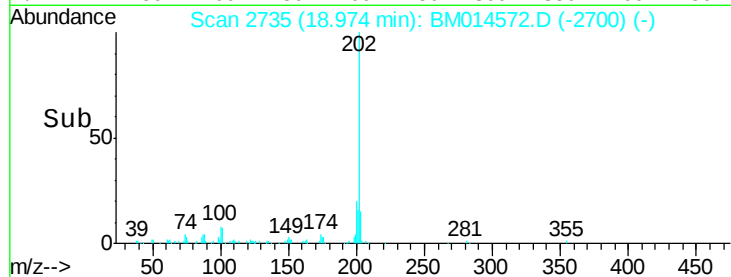
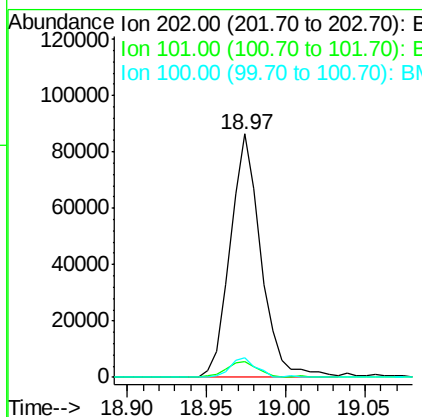
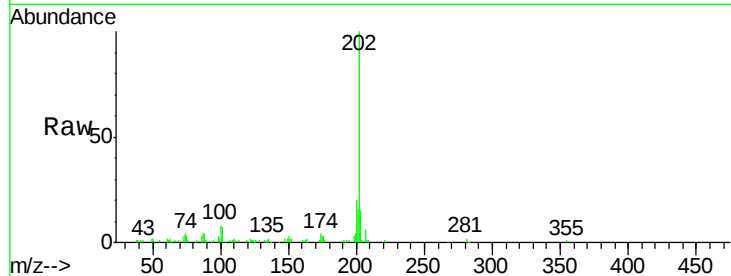




#17
Fluoranthene
 Concen: 4.555 ng/ul
 RT: 18.97 min Scan# 2735
 Delta R.T. 0.01 min
 Lab File: BM014572.D
 Acq: 15 Mar 2018 11:44

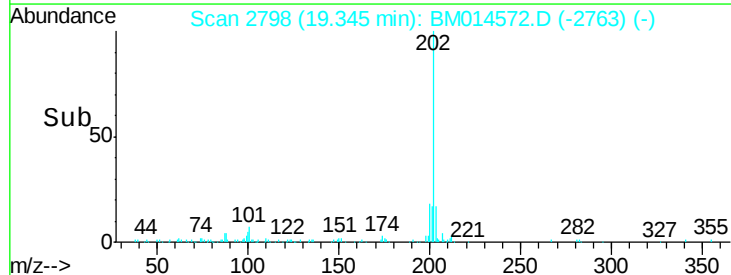
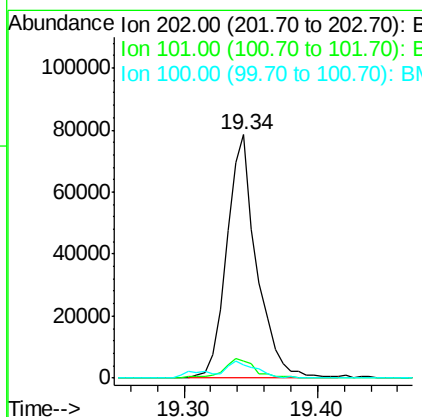
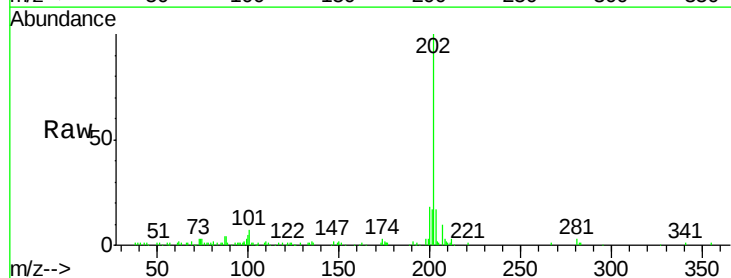
Instrument :
 BNA_M
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 SSTD00543

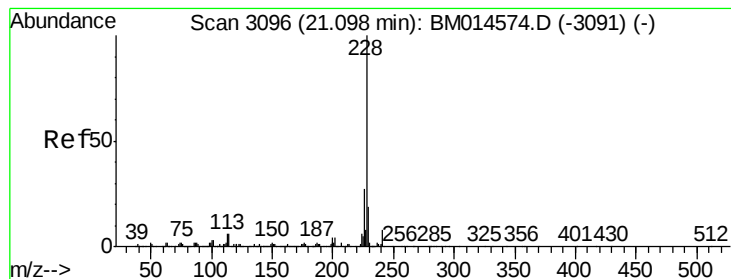
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	116666		
101	6.6		4.6	7.0
100	8.0		3.4	5.2#



#20
Pyrene
 Concen: 5.025 ng/ul
 RT: 19.34 min Scan# 2798
 Delta R.T. 0.01 min
 Lab File: BM014572.D
 Acq: 15 Mar 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	122499		
101	7.2		5.1	7.7
100	5.3		4.9	7.3





#21

Benzo(a)anthracene

Concen: 4.988 ng/ul

RT: 21.10 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

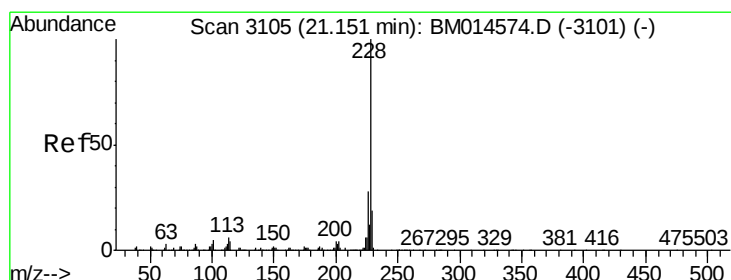
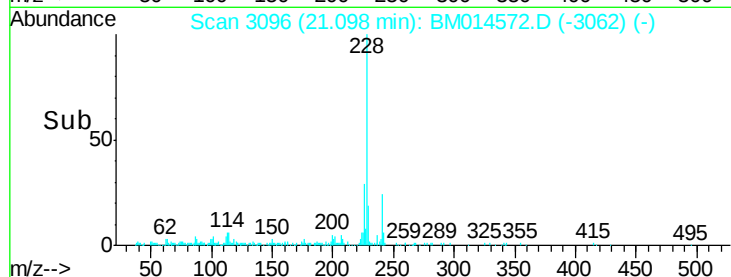
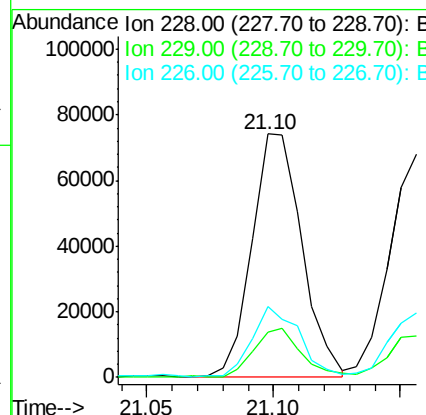
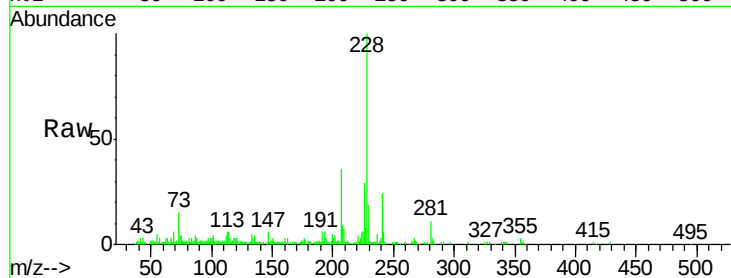
Instrument :

BNA_M

ClientSampleId :

SSTD00543

Tgt Ion:	228	Resp:	102252
Ion	Ratio	Lower	Upper
228	100		
229	18.6	15.4	23.0
226	29.2	21.4	32.0



#22

Chrysene

Concen: 5.101 ng/ul

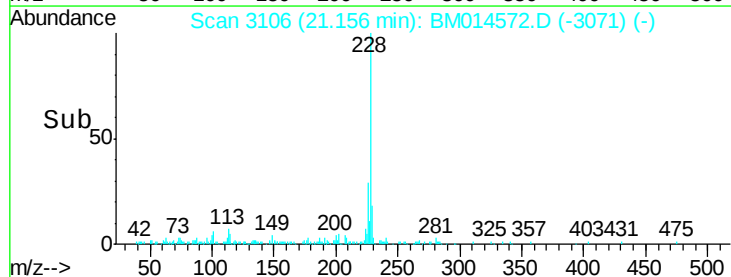
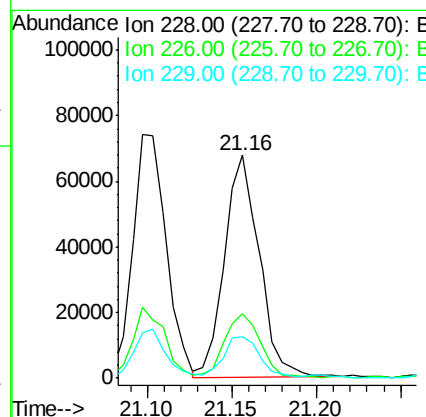
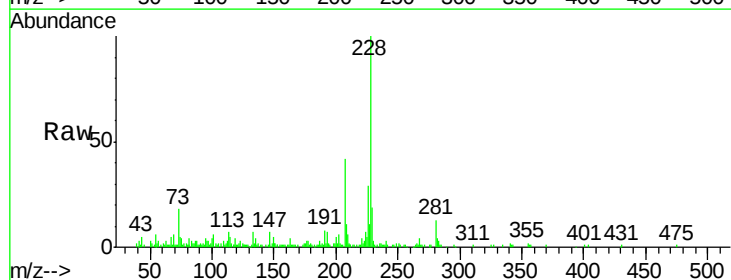
RT: 21.16 min Scan# 3106

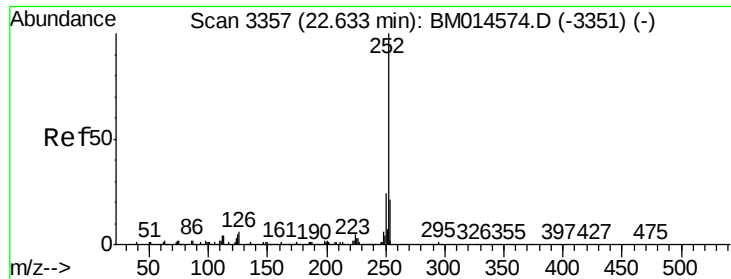
Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

Tgt Ion:	228	Resp:	96142
Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.4	35.2
229	18.7	15.5	23.3





#24

Benzo(b)fluoranthene

Concen: 4.738 ng/ul

RT: 22.64 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

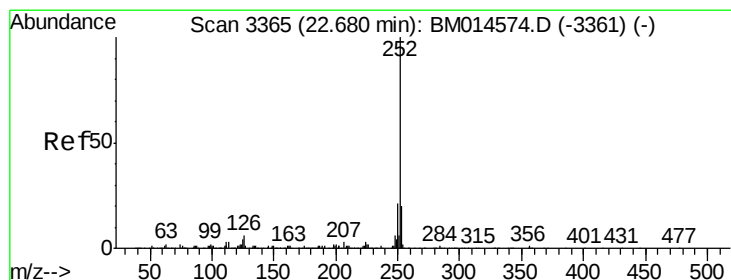
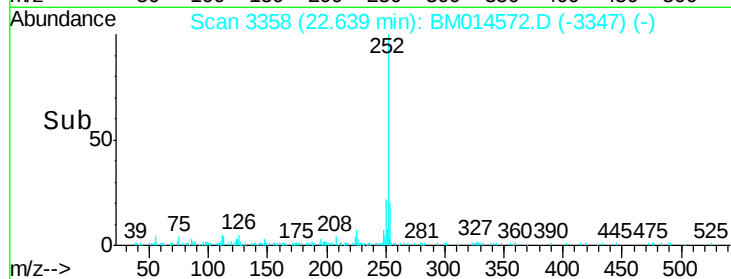
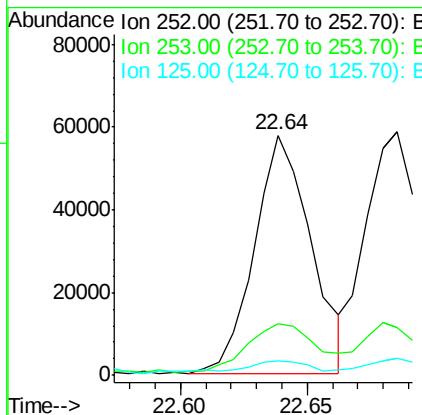
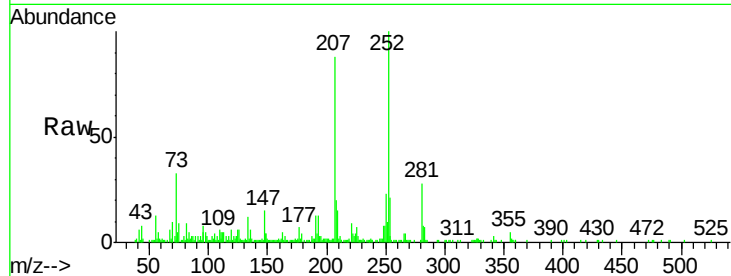
Instrument :

BNA_M

ClientSampleId :

SSTD00543

Tgt Ion:	252	Resp:	90260
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.9	26.9
125	5.9	3.6	5.4#



#25

Benzo(k)fluoranthene

Concen: 4.873 ng/ul

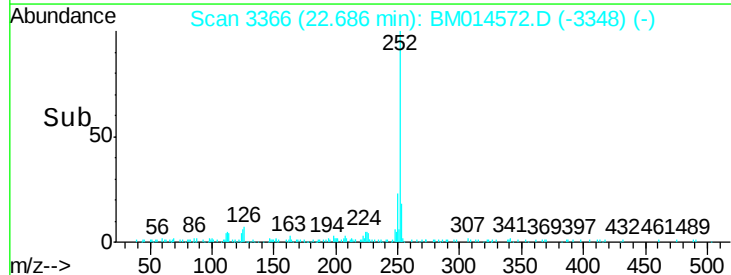
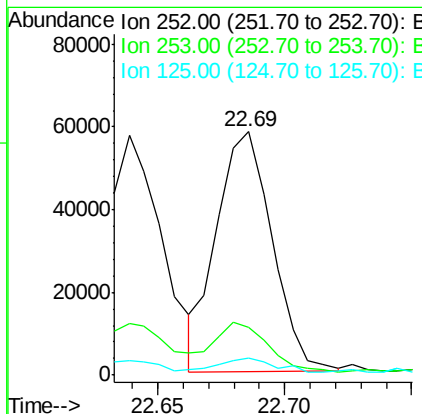
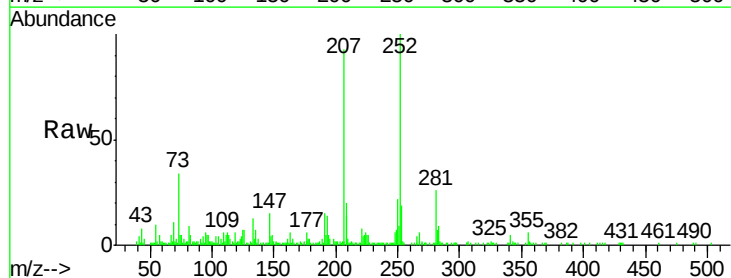
RT: 22.69 min Scan# 3366

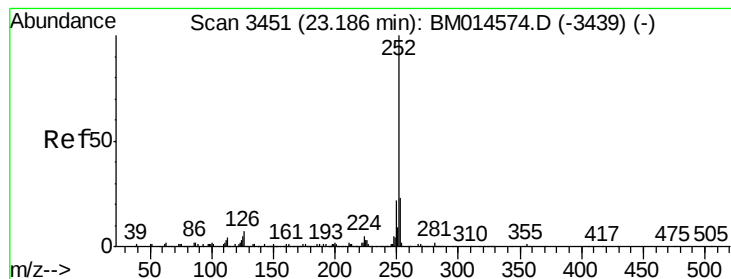
Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

Tgt Ion:	252	Resp:	88636
Ion Ratio	Lower	Upper	
252	100		
253	19.5	17.1	25.7
125	7.0	3.4	5.2#





#27

Benzo(a)pyrene

Concen: 5.055 ng/ul

RT: 23.19 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

SSTD00543

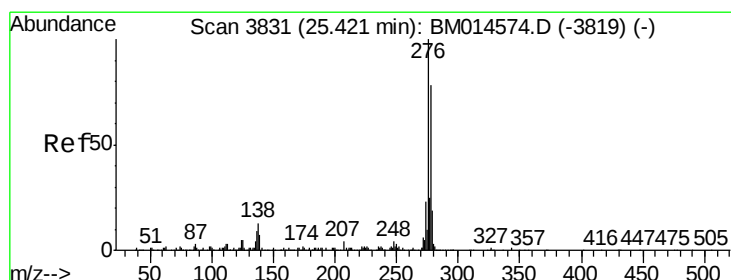
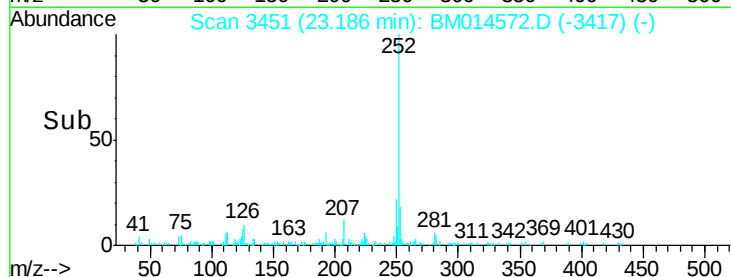
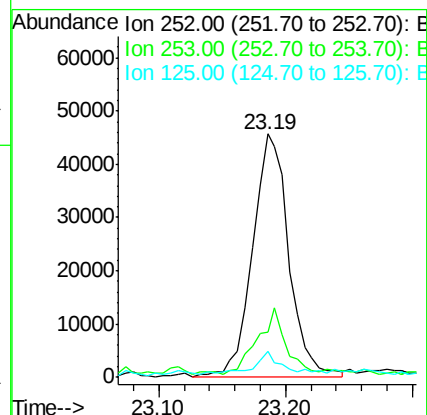
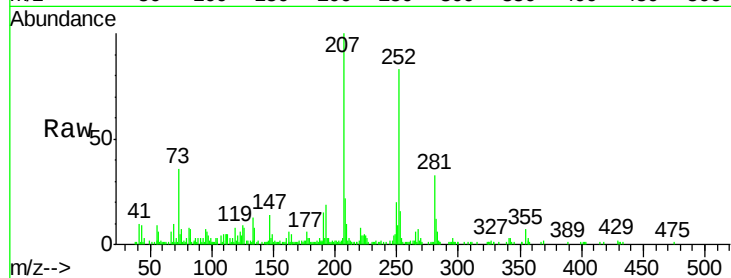
Tgt Ion:252 Resp: 91148

Ion Ratio Lower Upper

252 100

253 18.8 18.2 27.2

125 10.9 4.0 6.0#



#28

Indeno(1,2,3-cd)pyrene

Concen: 4.872 ng/ul

RT: 25.43 min Scan# 3832

Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

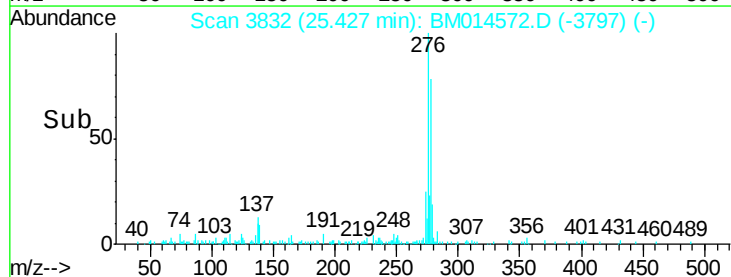
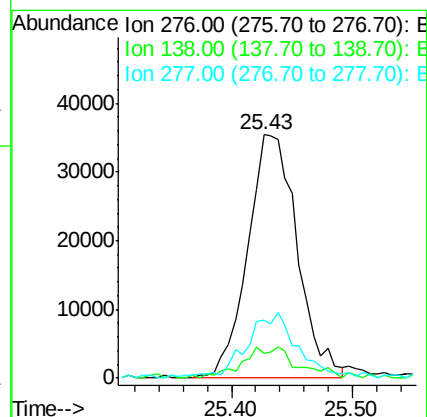
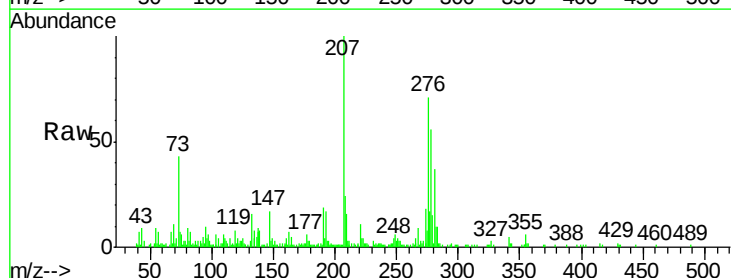
Tgt Ion:276 Resp: 101122

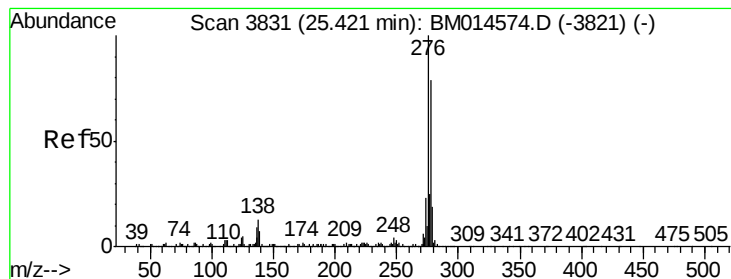
Ion Ratio Lower Upper

276 100

138 10.1 9.3 13.9

277 24.0 19.9 29.9





#29

Dibenzo(a,h)anthracene

Concen: 4.926 ng/ul

RT: 25.43 min Scan# 3833

Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

SSTD00543

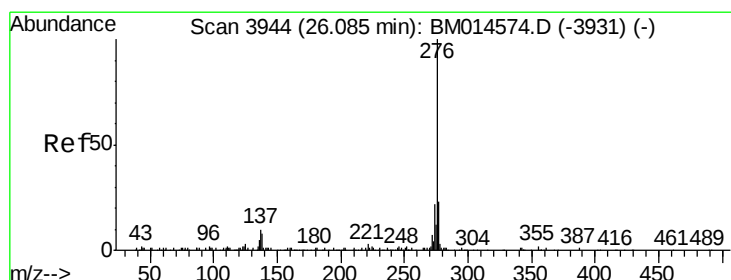
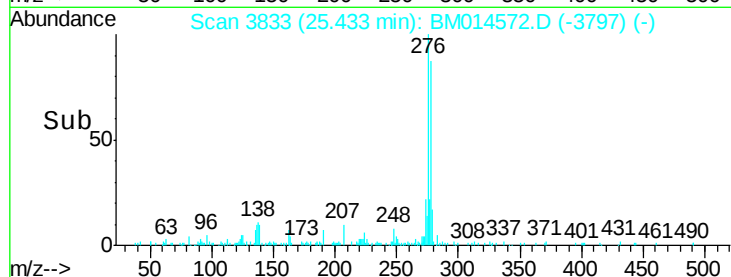
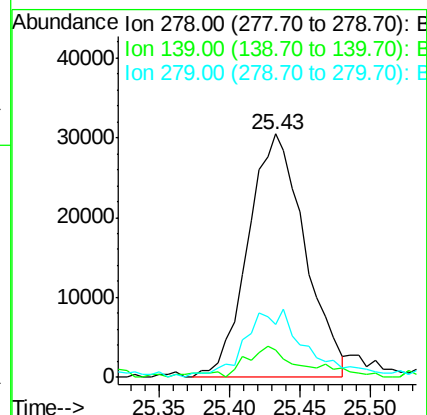
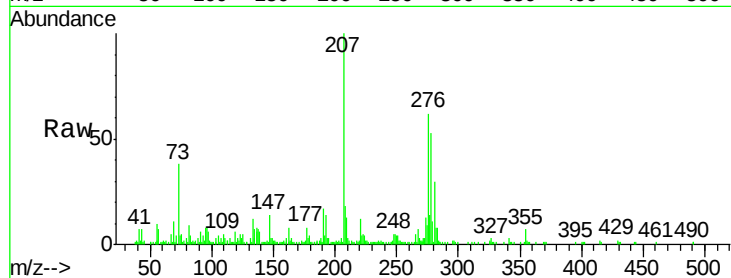
Tgt Ion:278 Resp: 85565

Ion Ratio Lower Upper

278 100

139 11.0 5.8 8.8#

279 21.5 18.6 27.8



#30

Benzo(g,h,i)perylene

Concen: 2.139 ng/ul

RT: 26.09 min Scan# 3945

Delta R.T. 0.01 min

Lab File: BM014572.D

Acq: 15 Mar 2018 11:44

Tgt Ion:276 Resp: 35609

Ion Ratio Lower Upper

276 100

138 12.6 8.5 12.7

277 22.1 18.6 28.0

