

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031618\
 Data File : BM014622.D
 Acq On : 17 Mar 2018 01:09
 Operator : SJ/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02055

Quant Time: Mar 17 02:15:15 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 17 00:41:33 2018
 Response via : Initial Calibration

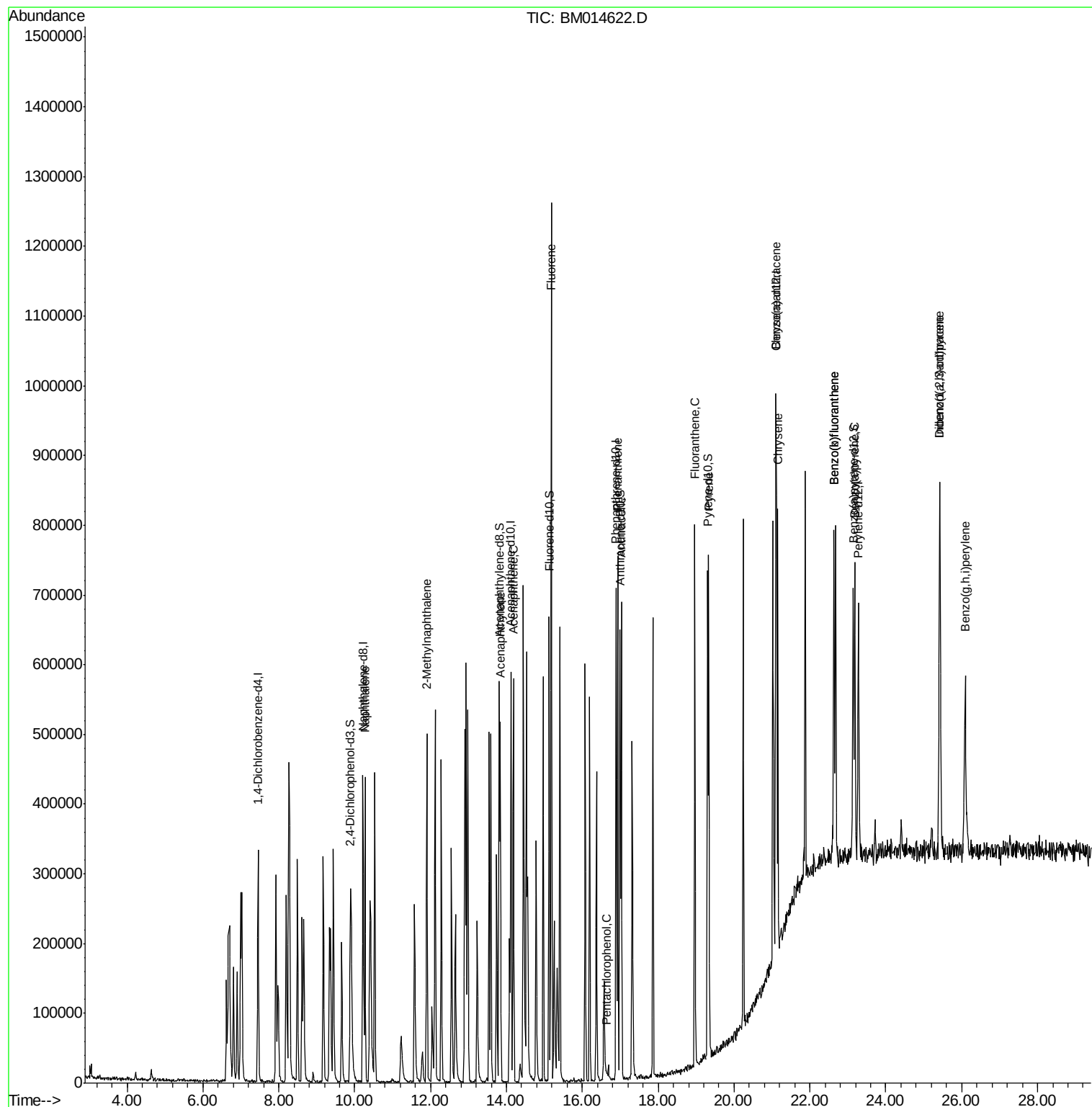
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	78348	20.00	ng/ul	-0.01
2) Naphthalene-d8	10.22	136	293764	20.00	ng/ul	-0.02
6) Acenaphthene-d10	14.12	164	162621	20.00	ng/ul	-0.01
12) Phenanthrene-d10	16.89	188	369580	20.00	ng/ul	-0.02
18) Chrysene-d12	21.12	240	247563	20.00	ng/ul	-0.02
23) Perylene-d12	23.27	264	239275	20.00	ng/ul	-0.03
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.88	165	84258	18.56	ng/ul	-0.02
7) Acenaphthylene-d8	13.81	160	334855	19.27	ng/ul	-0.01
10) Fluorene-d10	15.13	176	218804	19.22	ng/ul	-0.01
15) Anthracene-d10	16.99	188	328191	18.55	ng/ul	-0.01
19) Pyrene-d10	19.30	212	322683	21.68	ng/ul	-0.01
26) Benzo(a)pyrene-d12	23.14	264	220875	19.08	ng/ul	-0.03
Target Compounds				Qvalue		
4) Naphthalene	10.27	128	285540	19.138	ng/ul	100
5) 2-Methylnaphthalene	11.90	142	197997	18.965	ng/ul	94
8) Acenaphthylene	13.84	152	312442	19.368	ng/ul	99
9) Acenaphthene	14.19	153	210939	19.107	ng/ul	100
11) Fluorene	15.19	166	245820	18.790	ng/ul	99
13) Pentachlorophenol	16.63	266	2192	1.296	ng/ul	90
14) Phenanthrene	16.93	178	384477	18.576	ng/ul	99
16) Anthracene	17.03	178	379188	18.327	ng/ul	98
17) Fluoranthene	18.97	202	415819	17.699	ng/ul#	99
20) Pyrene	19.33	202	403236	21.658	ng/ul	99
21) Benzo(a)anthracene	21.10	228	304541	19.453	ng/ul	98
22) Chrysene	21.15	228	278891	19.374	ng/ul	97
24) Benzo(b)fluoranthene	22.63	252	282263	18.763	ng/ul	95
25) Benzo(k)fluoranthene	22.63	252	282263	19.750	ng/ul	97
27) Benzo(a)pyrene	23.19	252	263275	18.438	ng/ul#	98
28) Indeno(1,2,3-cd)pyrene	25.43	276	323021	19.655	ng/ul	99
29) Dibenzo(a,h)anthracene	25.42	278	271585	19.744	ng/ul	98
30) Benzo(g,h,i)perylene	26.09	276	256764	19.614	ng/ul#	97

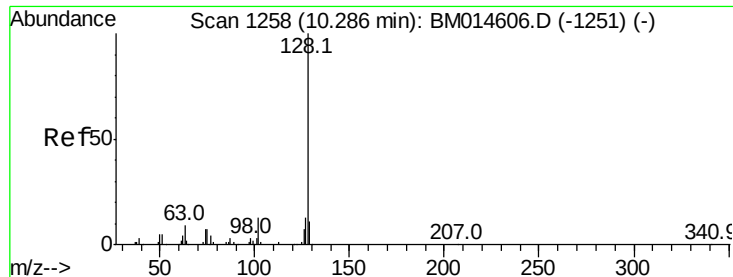
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031618\
Data File : BM014622.D
Acq On : 17 Mar 2018 01:09
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02055

Quant Time: Mar 17 02:15:15 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 17 00:41:33 2018
Response via : Initial Calibration





#4

Naphthalene

Concen: 19.138 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

Instrument :

BNA_M

ClientSampleId :

SSTD02055

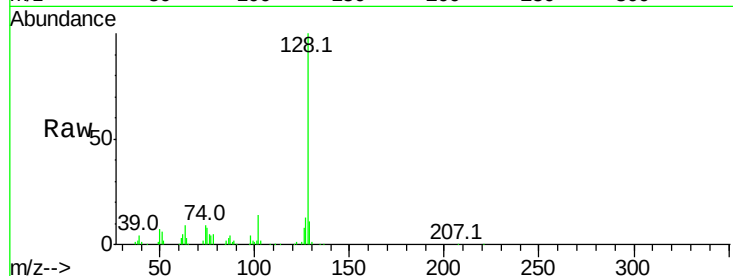
Tot Ion:128 Resp: 285540

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

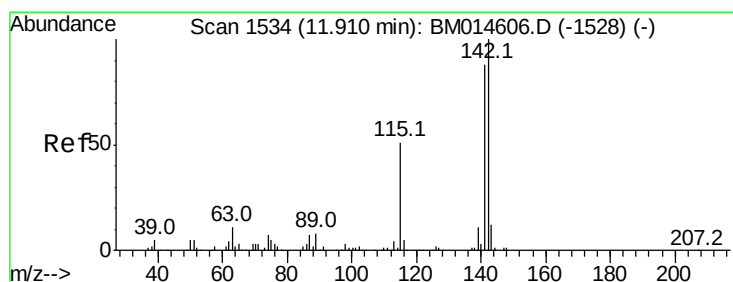
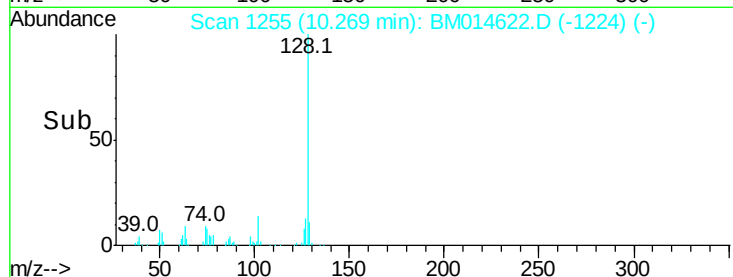
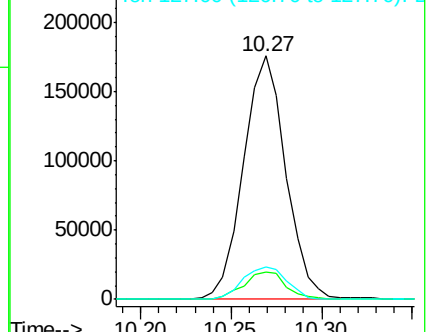
127 13.1 10.6 16.0



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: 18.965 ng/ul

RT: 11.90 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BM014622.D

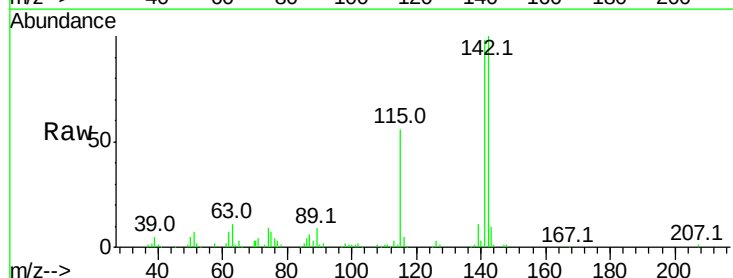
Acq: 17 Mar 2018 01:09

Tgt Ion:142 Resp: 197997

Ion Ratio Lower Upper

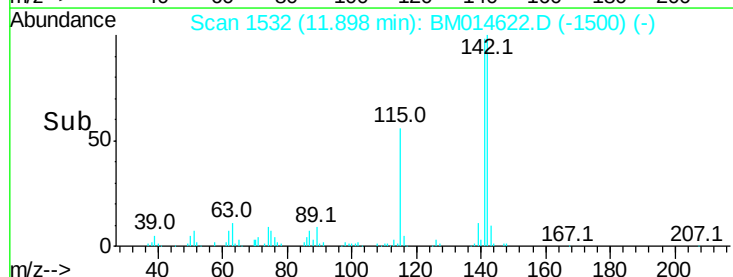
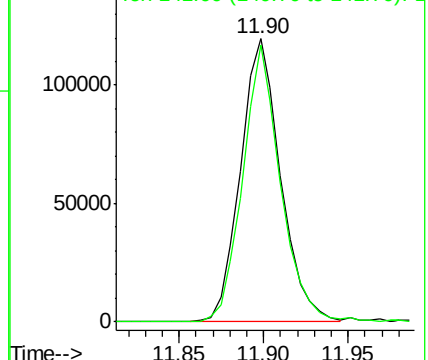
142 100

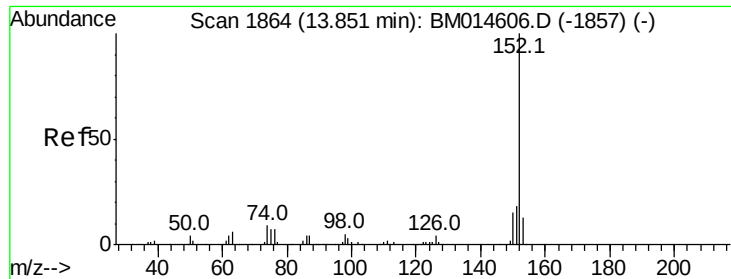
141 98.0 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.368 ng/ul

RT: 13.84 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

Instrument :

BNA_M

ClientSampleId :

SSTD02055

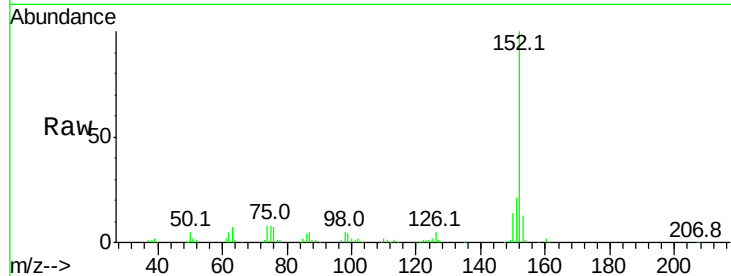
Tot Ion:152 Resp: 312442

Ion Ratio Lower Upper

152 100

151 21.1 16.3 24.5

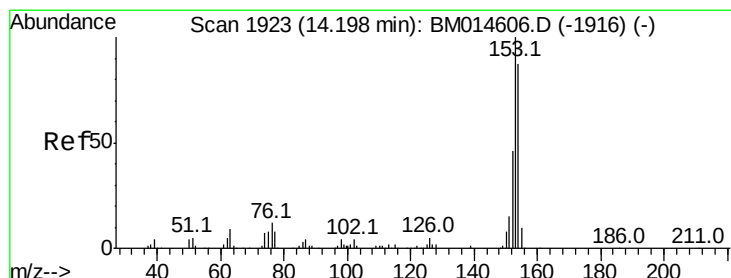
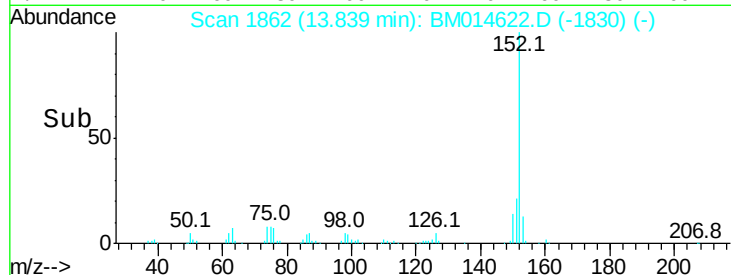
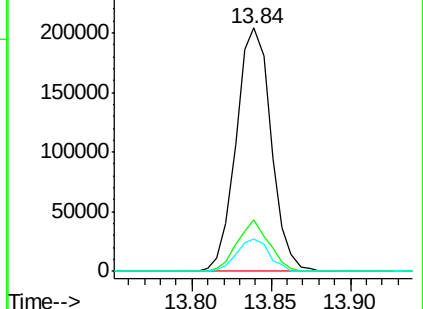
153 13.3 10.2 15.4



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: 19.107 ng/ul

RT: 14.19 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

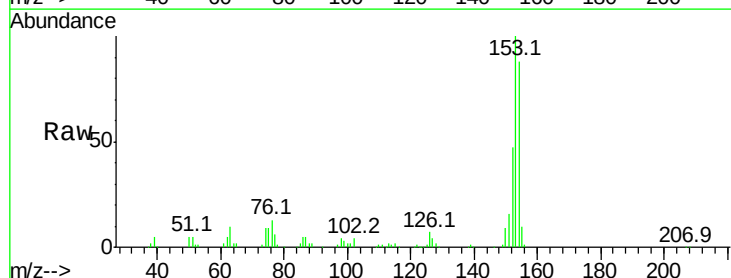
Tgt Ion:153 Resp: 210939

Ion Ratio Lower Upper

153 100

152 46.6 37.6 56.4

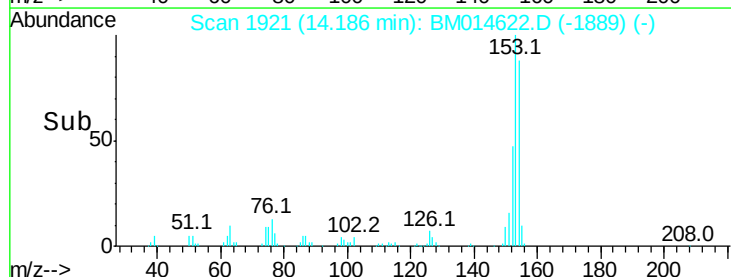
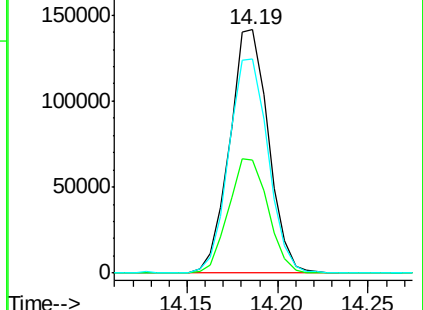
154 88.0 70.4 105.6

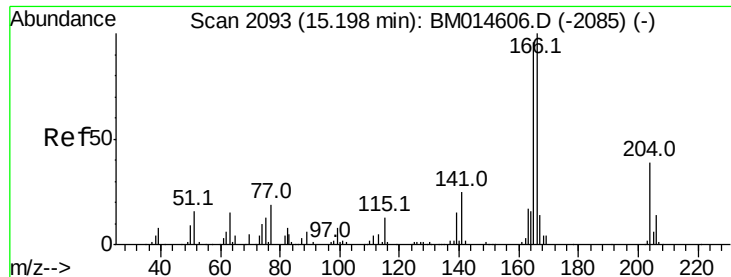


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

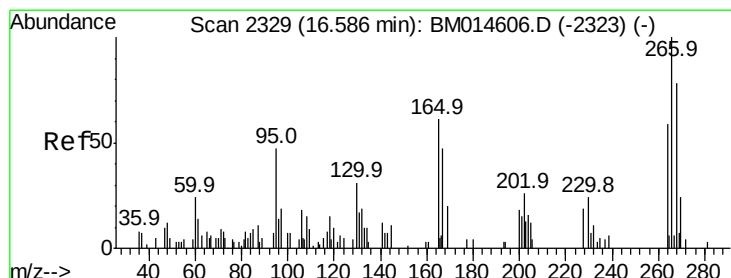
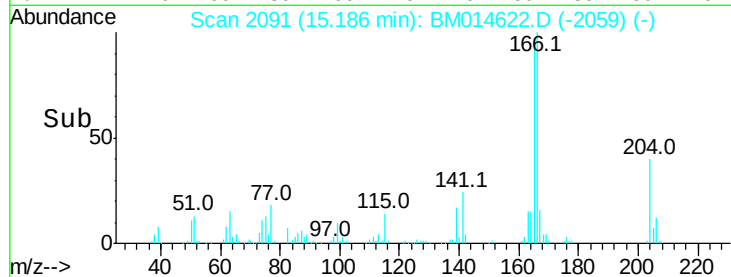
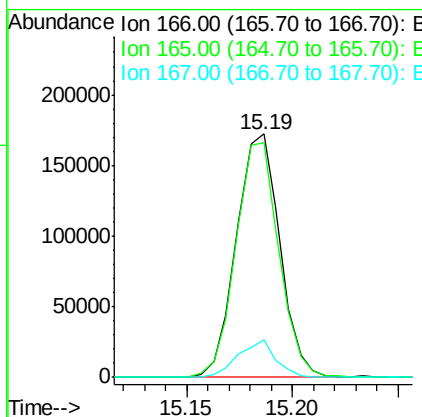
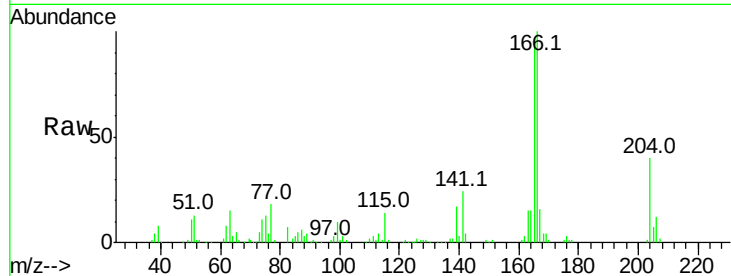




#11
Fluorene
 Concen: 18.790 ng/ul
 RT: 15.19 min Scan# 2091
 Delta R.T. -0.01 min
 Lab File: BM014622.D
 Acq: 17 Mar 2018 01:09

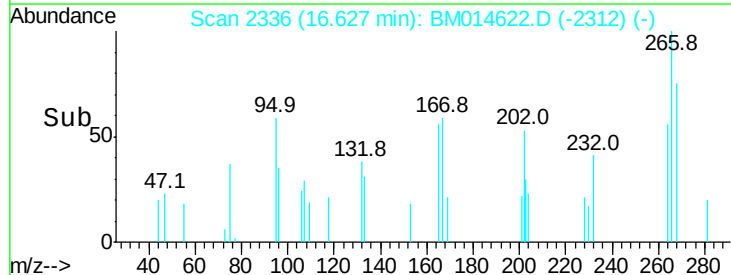
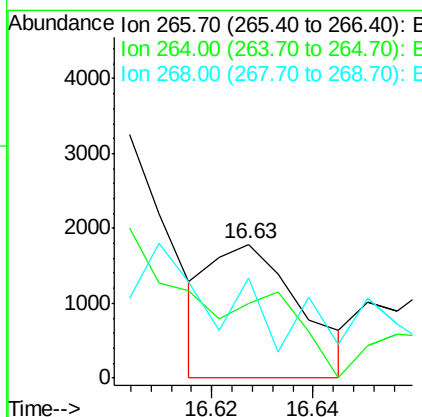
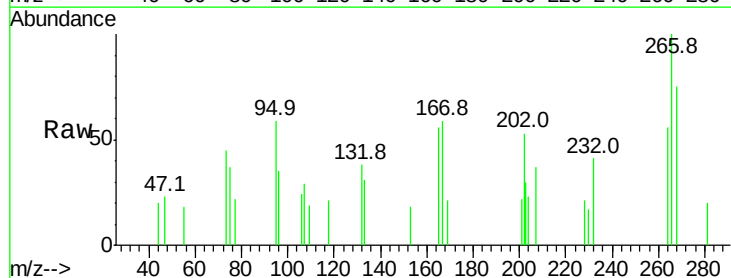
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02055

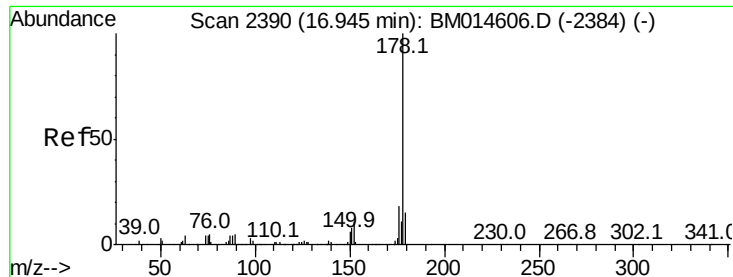
Tot Ion:166 Resp: 245820
 Ion Ratio Lower Upper
 166 100
 165 96.6 77.9 116.9
 167 15.6 10.6 16.0



#13
Pentachlorophenol
 Concen: 1.296 ng/ul
 RT: 16.63 min Scan# 2336
 Delta R.T. 0.04 min
 Lab File: BM014622.D
 Acq: 17 Mar 2018 01:09

Tgt Ion:266 Resp: 2192
 Ion Ratio Lower Upper
 266 100
 264 55.5 49.3 73.9
 268 75.2 52.6 78.8





#14

Phenanthrene

Concen: 18.576 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

Instrument :

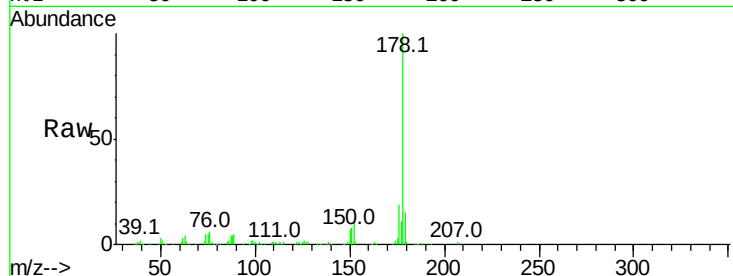
BNA_M

ClientSampleId :

SSTD02055

Tot Ion:178 Resp: 384477

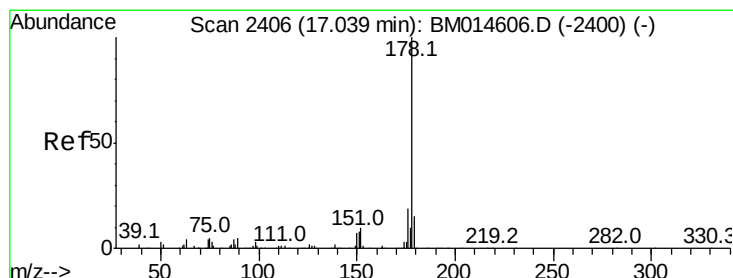
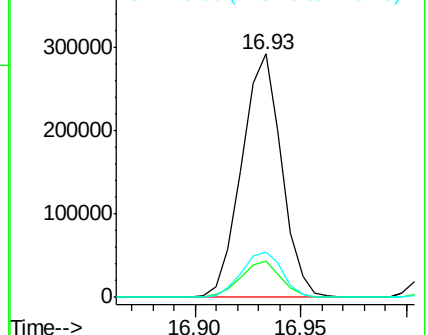
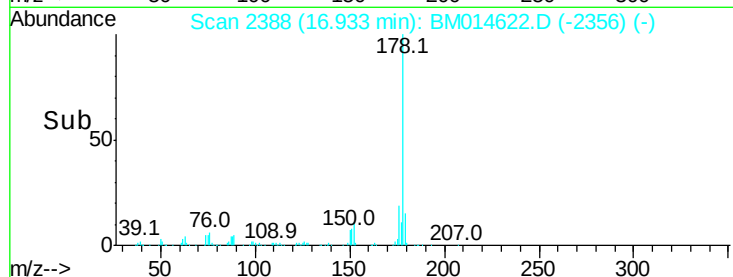
Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.6	19.0
176	18.7	14.9	22.3



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: 18.327 ng/ul

RT: 17.03 min Scan# 2404

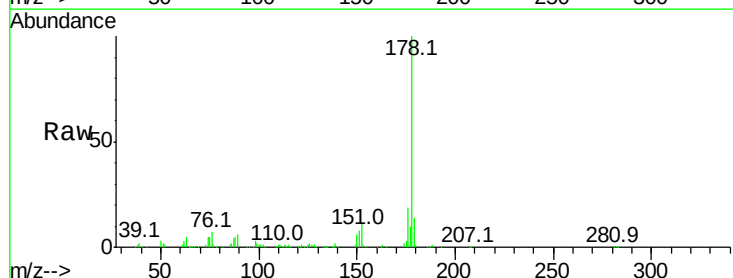
Delta R.T. -0.01 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

Tgt Ion:178 Resp: 379188

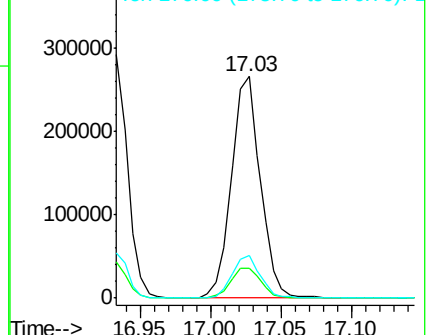
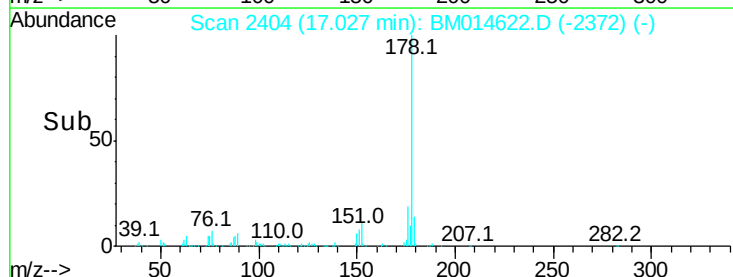
Ion	Ratio	Lower	Upper
178	100		
179	13.5	11.7	17.5
176	19.2	14.6	21.8

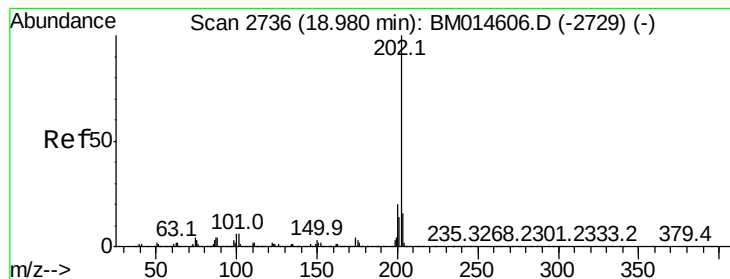


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 17.699 ng/ul

RT: 18.97 min Scan# 2734

Delta R.T. -0.01 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

Instrument :

BNA_M

ClientSampleId :

SSTD02055

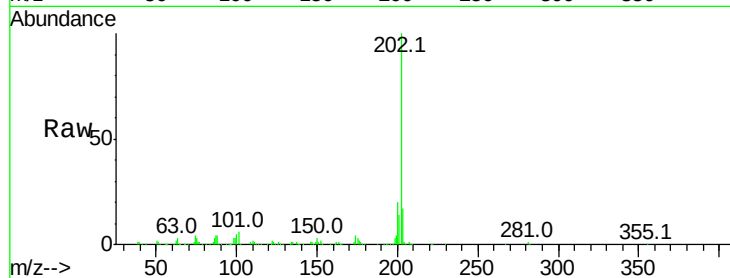
Tot Ion:202 Resp: 415819

Ion Ratio Lower Upper

202 100

101 5.9 4.6 7.0

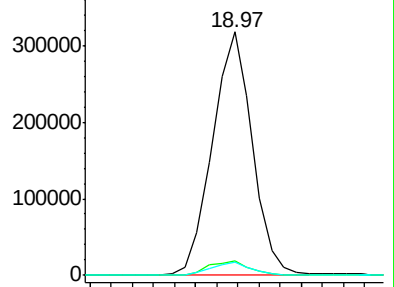
100 5.3 3.4 5.2#



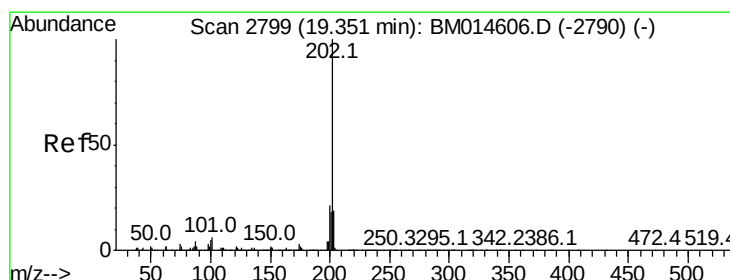
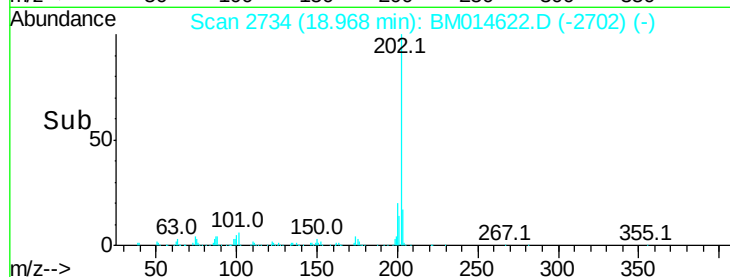
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 18.90 18.95 19.00



#20

Pyrene

Concen: 21.658 ng/ul

RT: 19.33 min Scan# 2796

Delta R.T. -0.02 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

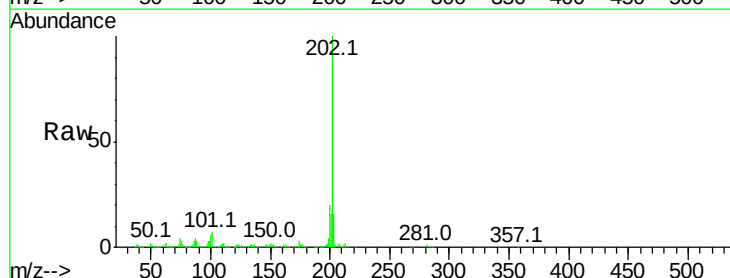
Tgt Ion:202 Resp: 403236

Ion Ratio Lower Upper

202 100

101 6.7 5.1 7.7

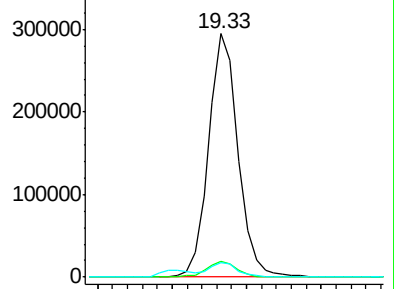
100 5.8 4.9 7.3



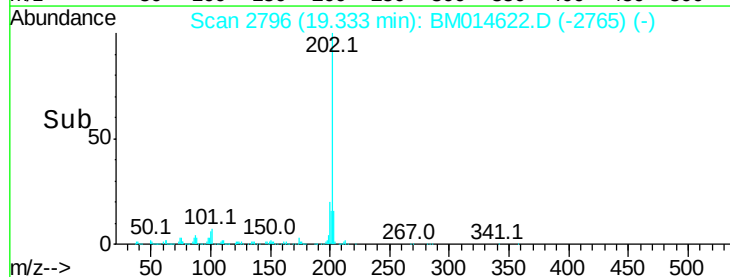
Abundance Ion 202.00 (201.70 to 202.70): E

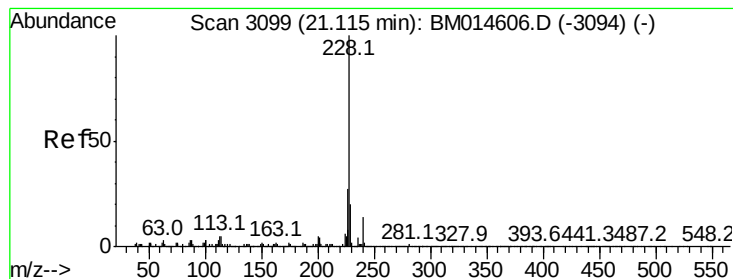
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.25 19.30 19.35 19.40





#21

Benzo(a)anthracene

Concen: 19.453 ng/ul

RT: 21.10 min Scan# 3096

Delta R.T. -0.02 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

Instrument :

BNA_M

ClientSampleId :

SSTD02055

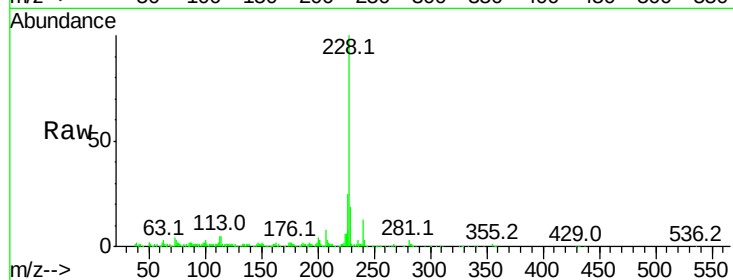
Tot Ion:228 Resp: 304541

Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.4	23.0
226	24.6	21.4	32.0

228 100

229 19.3 15.4 23.0

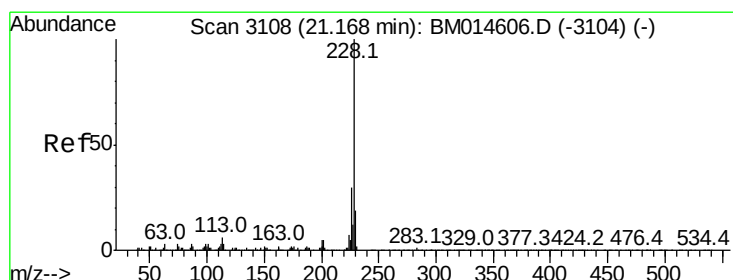
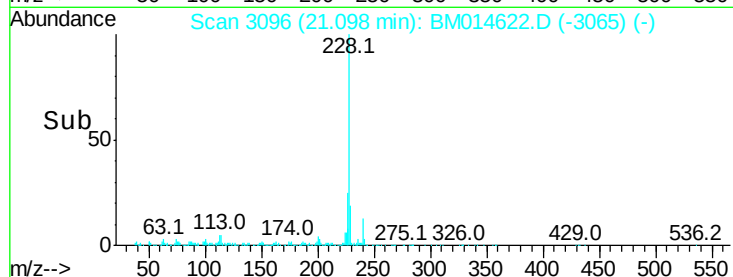
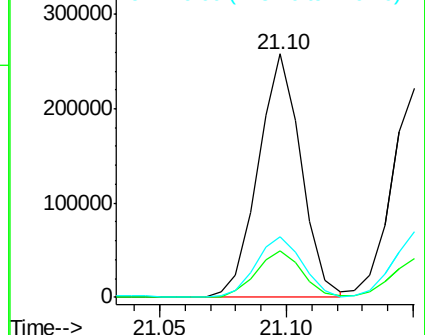
226 24.6 21.4 32.0



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: 19.374 ng/ul

RT: 21.15 min Scan# 3105

Delta R.T. -0.02 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

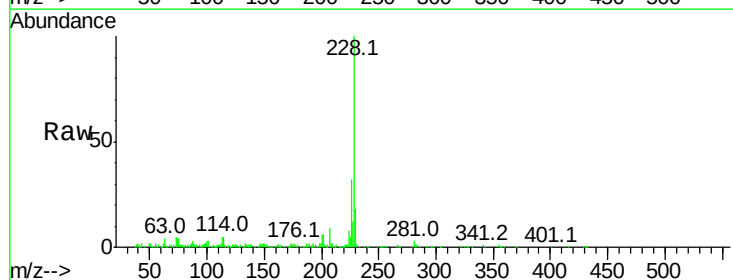
Tgt Ion:228 Resp: 278891

Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.4	35.2
229	18.4	15.5	23.3

228 100

226 31.6 23.4 35.2

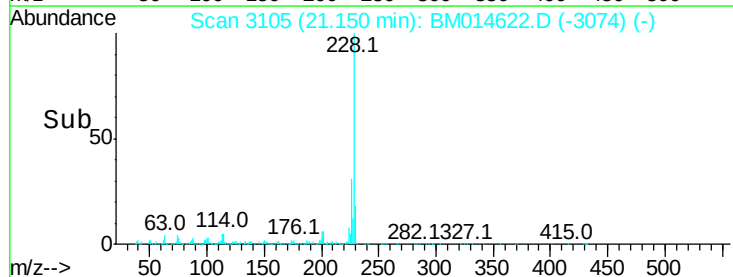
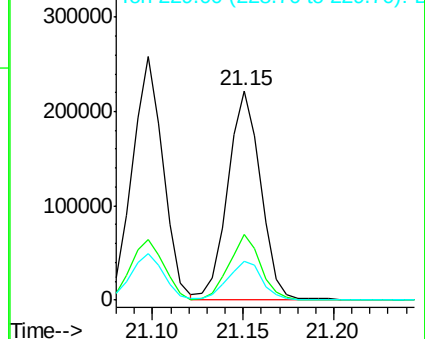
229 18.4 15.5 23.3

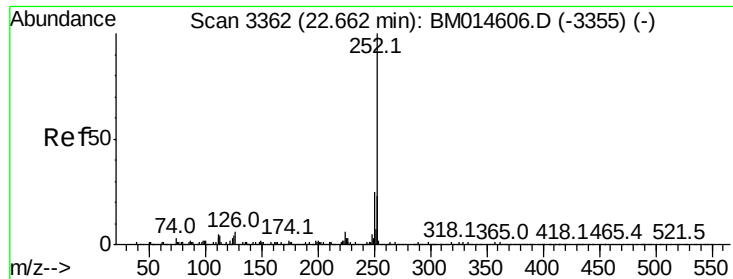


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 18.763 ng/ul

RT: 22.63 min Scan# 3357

Delta R.T. -0.03 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

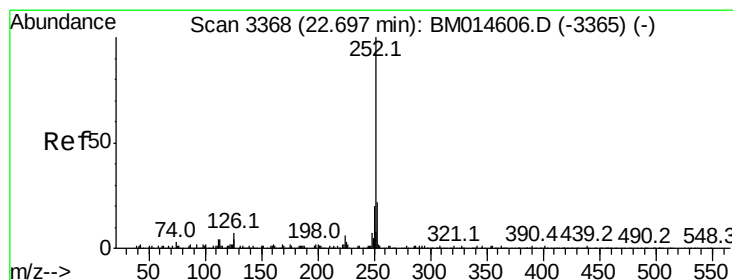
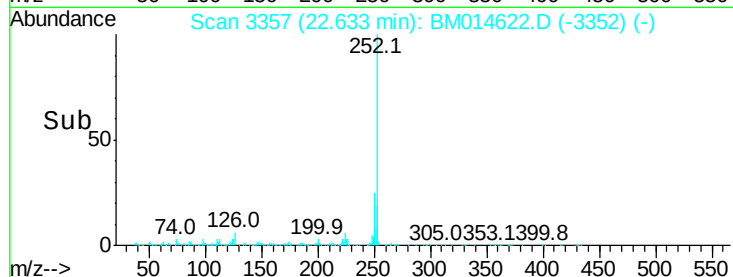
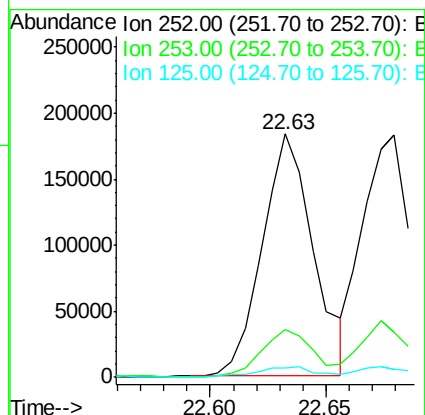
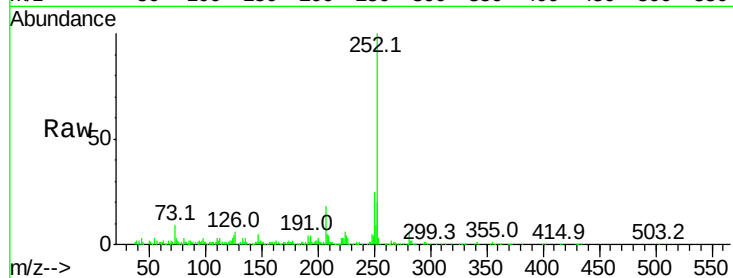
Instrument :

BNA_M

ClientSampleId :

SSTD02055

Tot Ion:	252	Resp:	282263
Ion	Ratio	Lower	Upper
252	100		
253	19.7	17.9	26.9
125	3.8	3.6	5.4



#25

Benzo(k)fluoranthene

Concen: 19.750 ng/ul

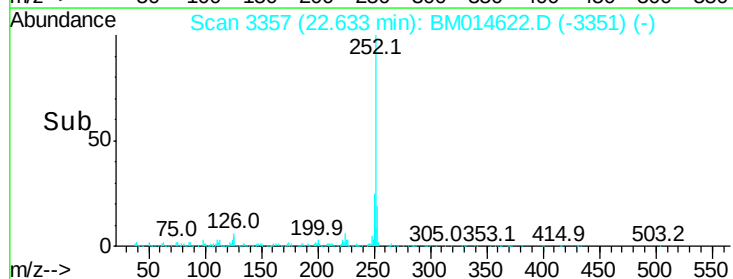
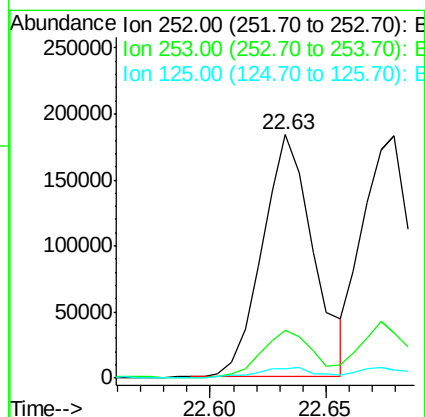
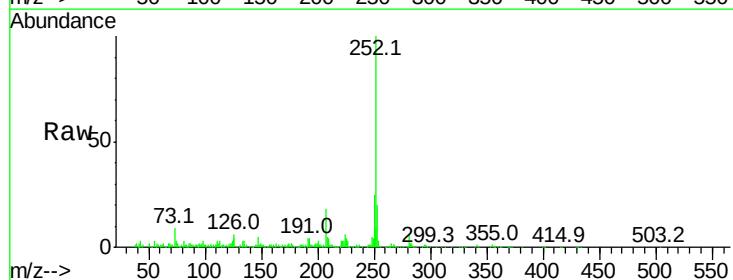
RT: 22.63 min Scan# 3357

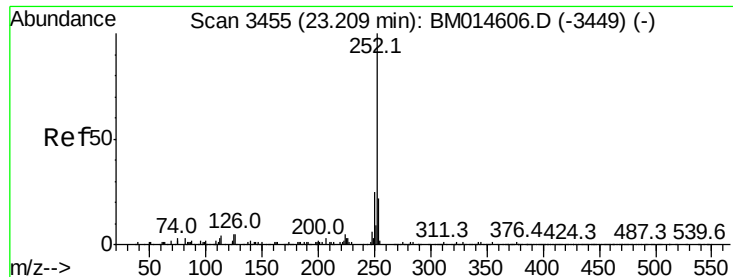
Delta R.T. -0.06 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

Tgt Ion:	252	Resp:	282263
Ion	Ratio	Lower	Upper
252	100		
253	19.7	17.1	25.7
125	3.8	3.4	5.2





#27

Benzo(a)pyrene

Concen: 18.438 ng/ul

RT: 23.19 min Scan# 3451

Delta R.T. -0.02 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

Instrument :

BNA_M

ClientSampleId :

SSTD02055

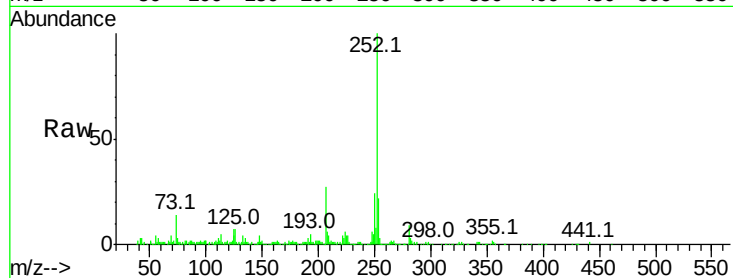
Tot Ion:252 Resp: 263275

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

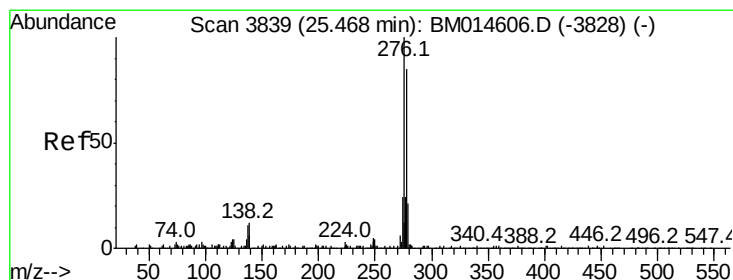
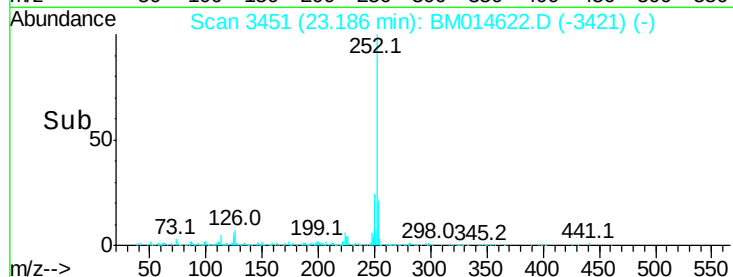
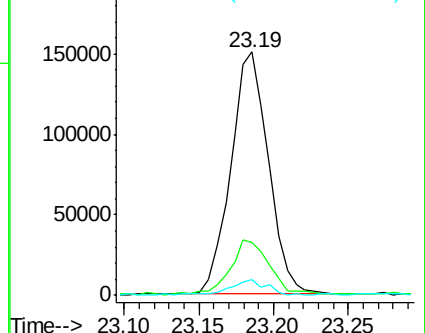
125 6.7 4.0 6.0#



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: 19.655 ng/ul

RT: 25.43 min Scan# 3832

Delta R.T. -0.04 min

Lab File: BM014622.D

Acq: 17 Mar 2018 01:09

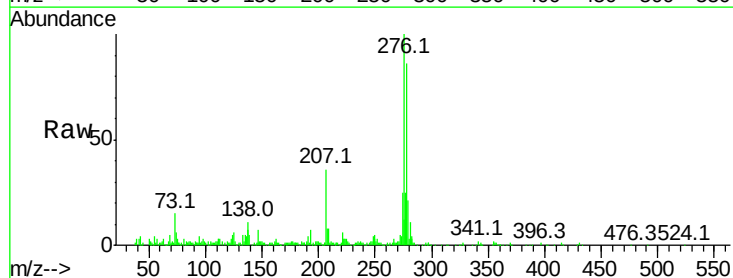
Tgt Ion:276 Resp: 323021

Ion Ratio Lower Upper

276 100

138 11.4 9.3 13.9

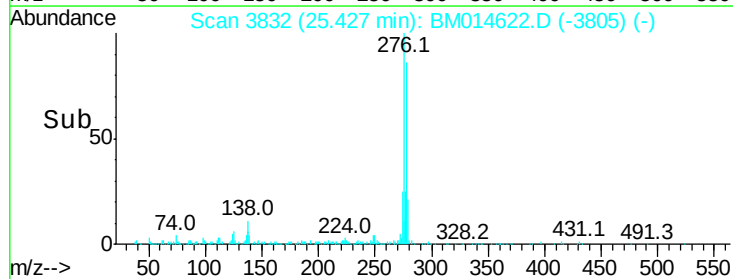
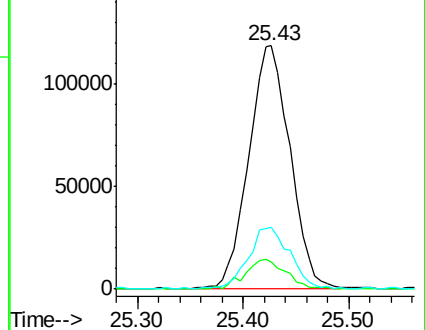
277 25.4 19.9 29.9

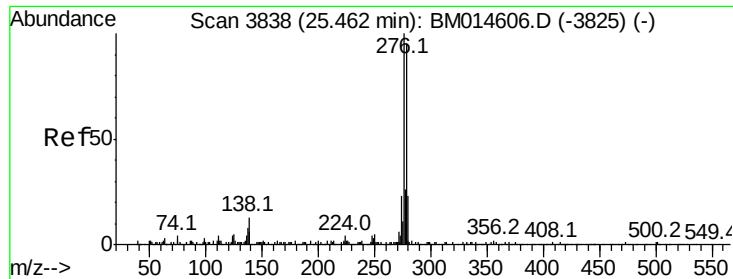


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



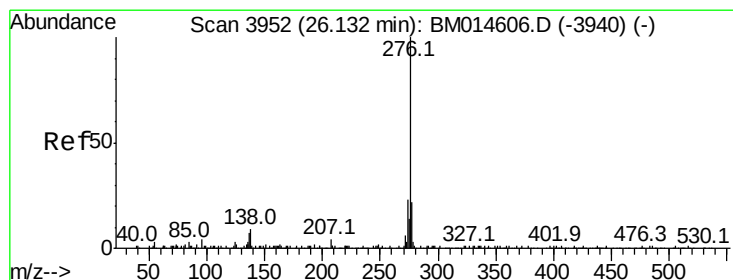
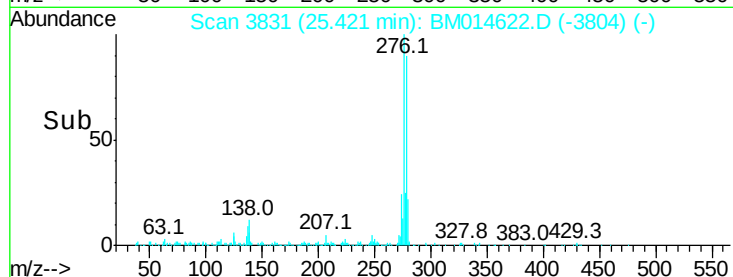
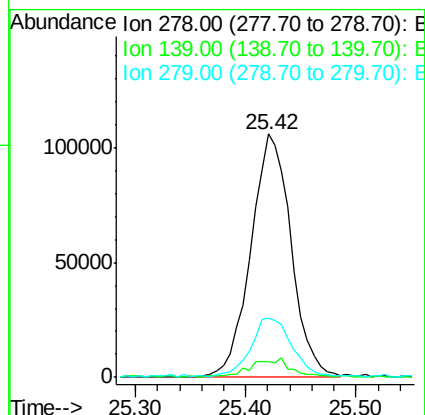
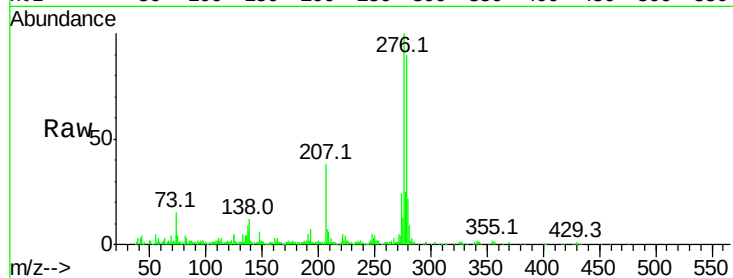


#29

Dibenzo(a,h)anthracene
Concen: 19.744 ng/ul
RT: 25.42 min Scan# 3831
Delta R.T. -0.04 min
Lab File: BM014622.D
Acq: 17 Mar 2018 01:09

Instrument :
BNA_M
ClientSampleId :
SSTD02055

Tot Ion:278 Resp: 271585
Ion Ratio Lower Upper
278 100
139 6.6 5.8 8.8
279 24.4 18.6 27.8



#30

Benzo(g,h,i)perylene
Concen: 19.614 ng/ul
RT: 26.09 min Scan# 3945
Delta R.T. -0.04 min
Lab File: BM014622.D
Acq: 17 Mar 2018 01:09

Tgt Ion:276 Resp: 256764
Ion Ratio Lower Upper
276 100
138 13.5 8.5 12.7#
277 23.8 18.6 28.0

