

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031618\
 Data File : BM014631.D
 Acq On : 17 Mar 2018 06:34
 Operator : SJ/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02056

Quant Time: Mar 19 00:59:22 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 17 03:22:03 2018
 Response via : Initial Calibration

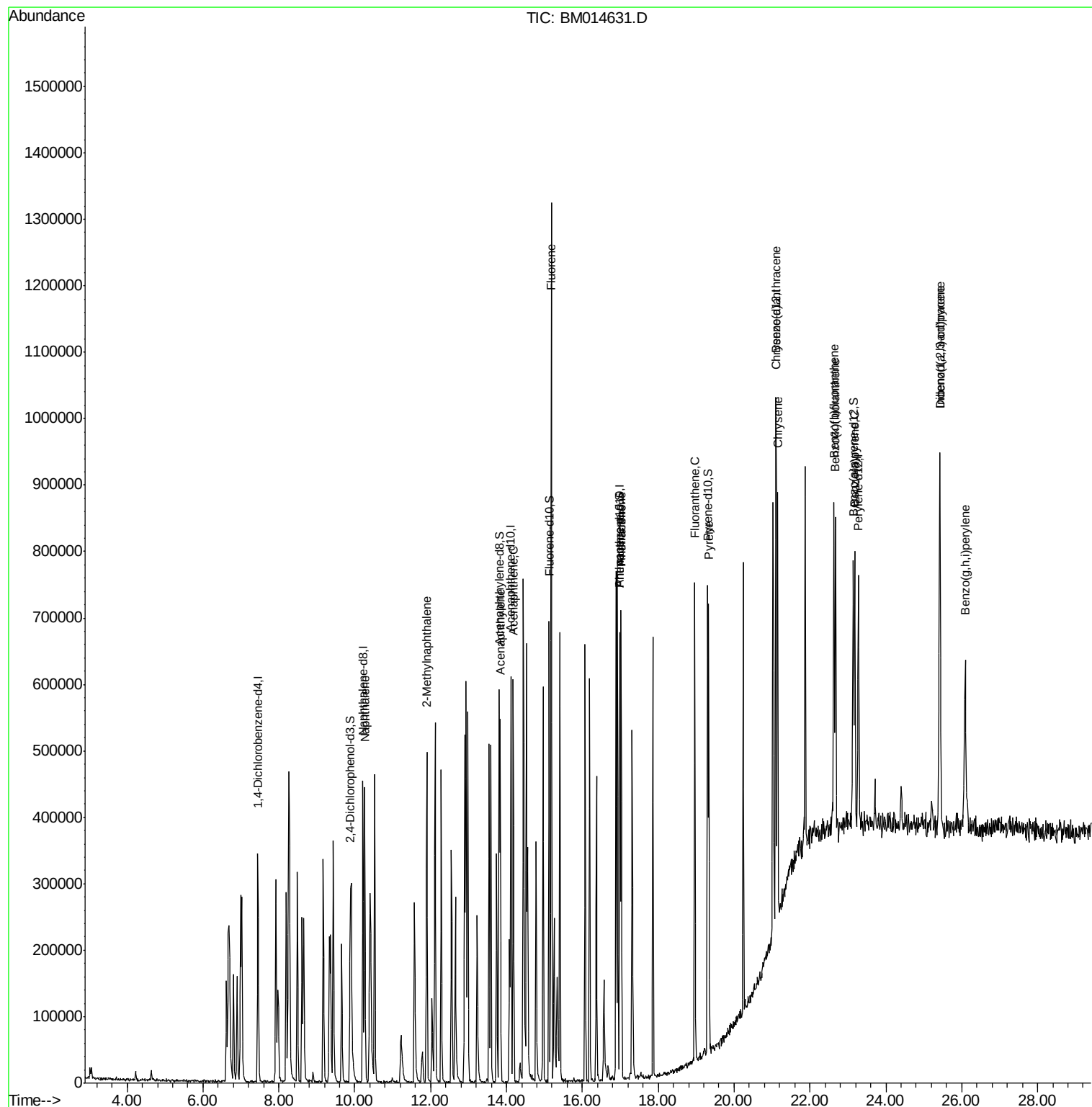
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	75919	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	308003	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	165204	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.99	188	335554	20.00	ng/ul	0.10
18) Chrysene-d12	21.12	240	246715	20.00	ng/ul	0.00
23) Perylene-d12	23.27	264	238124	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.88	165	87224	18.32	ng/ul	0.00
7) Acenaphthylene-d8	13.81	160	344192	19.49	ng/ul	0.00
10) Fluorene-d10	15.13	176	221575	19.16	ng/ul	0.00
15) Anthracene-d10	16.99	188	335554	20.89	ng/ul	0.00
19) Pyrene-d10	19.30	212	304969	20.56	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.14	264	219976	19.10	ng/ul	0.00
Target Compounds						Qvalue
4) Naphthalene	10.27	128	289532	18.508	ng/ul	96
5) 2-Methylnaphthalene	11.90	142	209165	19.109	ng/ul	98
8) Acenaphthylene	13.84	152	323442	19.737	ng/ul	99
9) Acenaphthene	14.18	153	225600	20.115	ng/ul	97
11) Fluorene	15.18	166	260627	19.611	ng/ul	94
14) Phenanthrene	17.02	178	374970	19.953	ng/ul	99
16) Anthracene	17.02	178	374168	19.918	ng/ul	98
17) Fluoranthene	18.97	202	405065	18.990	ng/ul	99
20) Pyrene	19.33	202	369082	19.891	ng/ul	98
21) Benzo(a)anthracene	21.10	228	297281	19.054	ng/ul	98
22) Chrysene	21.15	228	270729	18.872	ng/ul	99
24) Benzo(b)fluoranthene	22.63	252	299993	20.038	ng/ul#	99
25) Benzo(k)fluoranthene	22.67	252	264351	18.586	ng/ul	98
27) Benzo(a)pyrene	23.19	252	269631	18.974	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	25.43	276	321712	19.670	ng/ul	98
29) Dibenzo(a,h)anthracene	25.42	278	272622	19.915	ng/ul	100
30) Benzo(g,h,i)perylene	26.09	276	264398	20.294	ng/ul	97

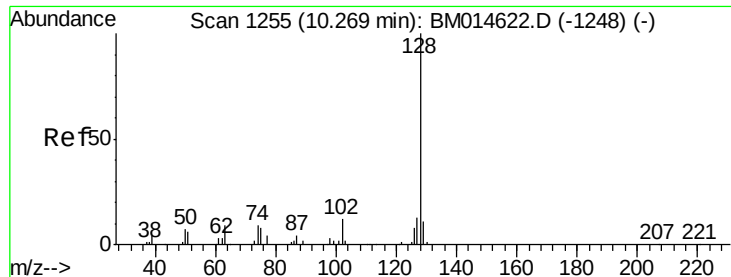
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 18.508 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. -0.00 min

Lab File: BM014631.D

Acq: 17 Mar 2018 06:34

Instrument :

BNA_M

ClientSampleId :

SSTD02056

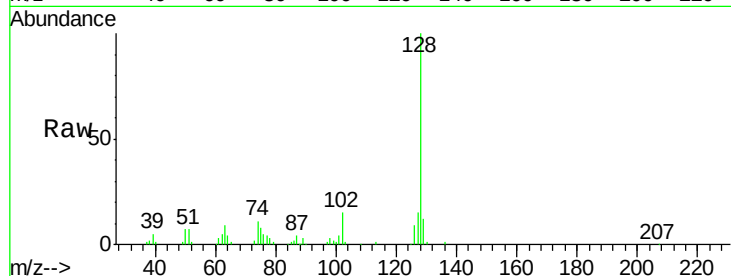
Tot Ion:128 Resp: 289532

Ion Ratio Lower Upper

128 100

129 12.1 8.8 13.2

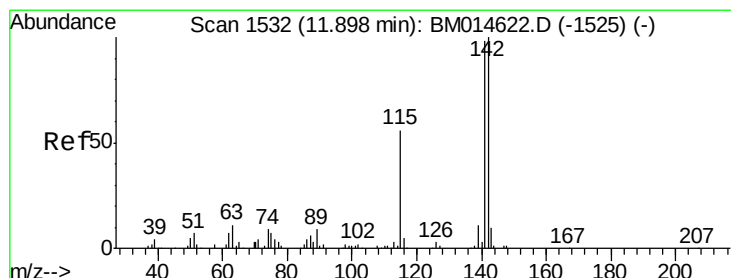
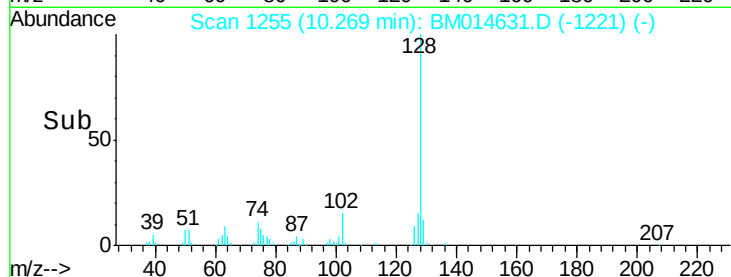
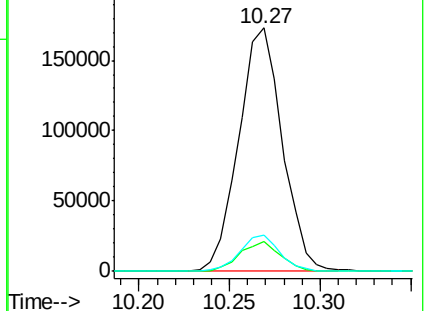
127 15.1 10.6 16.0



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: 19.109 ng/ul

RT: 11.90 min Scan# 1532

Delta R.T. -0.00 min

Lab File: BM014631.D

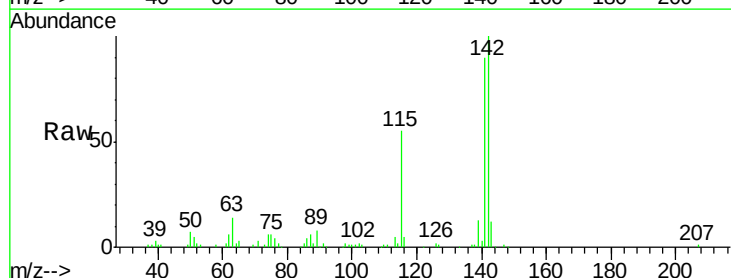
Acq: 17 Mar 2018 06:34

Tgt Ion:142 Resp: 209165

Ion Ratio Lower Upper

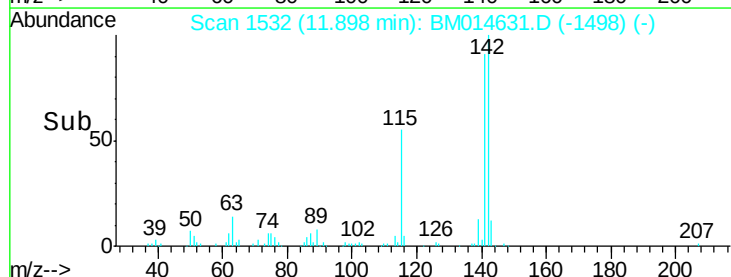
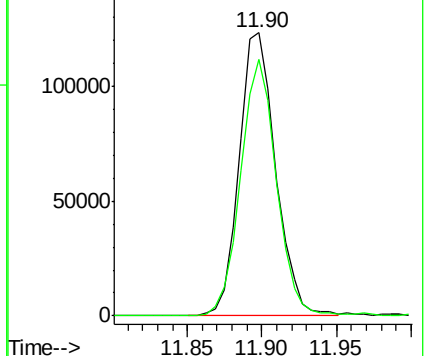
142 100

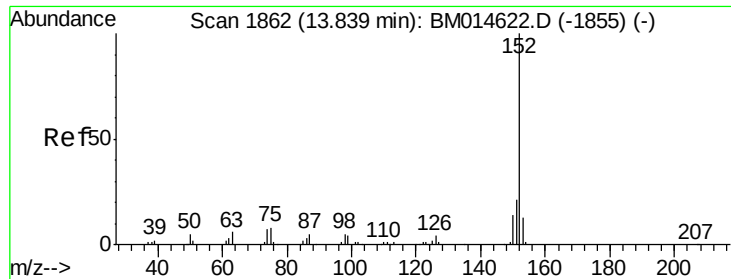
141 90.4 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.737 ng/ul

RT: 13.84 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM014631.D

Acq: 17 Mar 2018 06:34

Instrument :

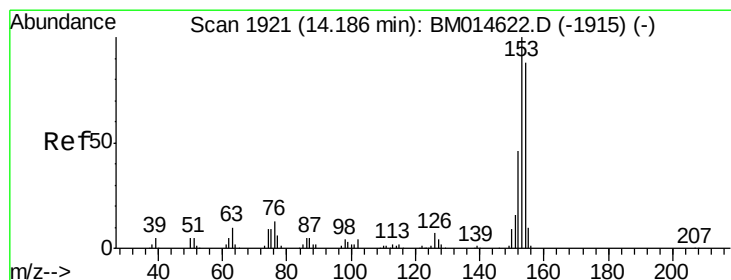
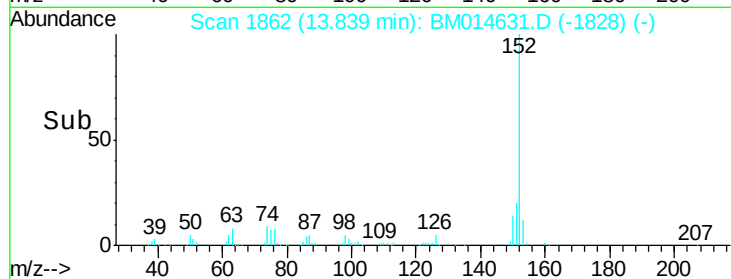
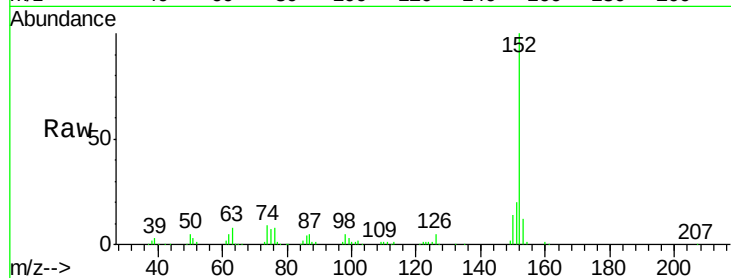
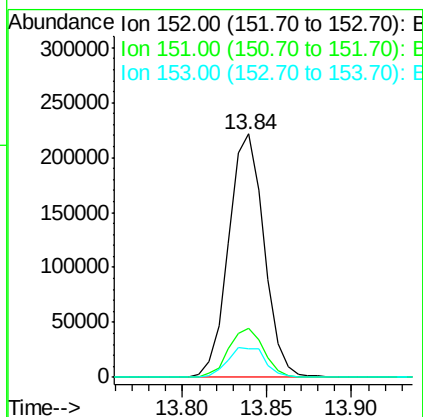
BNA_M

ClientSampleId :

SSTD02056

Tot Ion:152 Resp: 323442

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	11.9	10.2	15.4



#9

Acenaphthene

Concen: 20.115 ng/ul

RT: 14.18 min Scan# 1920

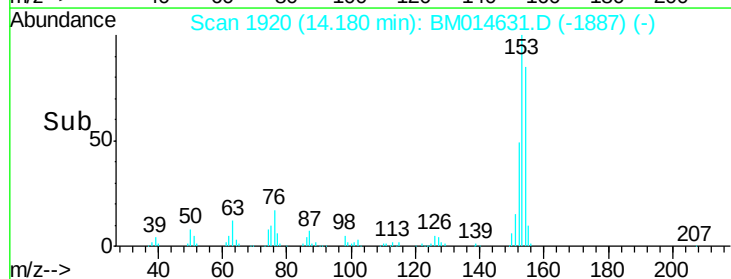
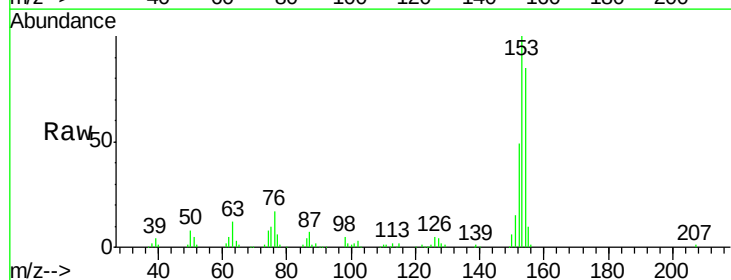
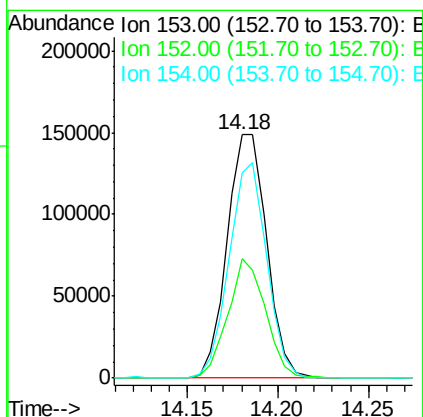
Delta R.T. -0.01 min

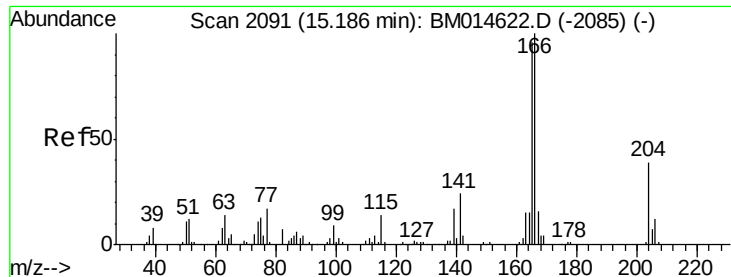
Lab File: BM014631.D

Acq: 17 Mar 2018 06:34

Tgt Ion:153 Resp: 225600

Ion	Ratio	Lower	Upper
153	100		
152	48.9	37.6	56.4
154	84.5	70.4	105.6

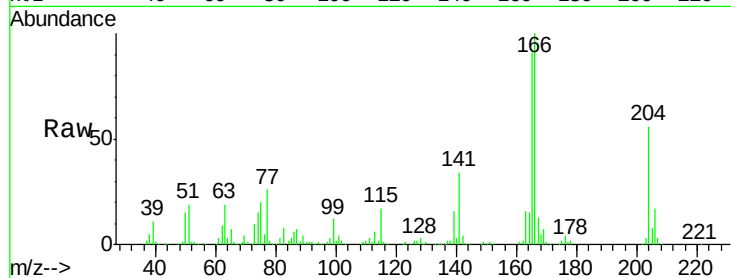




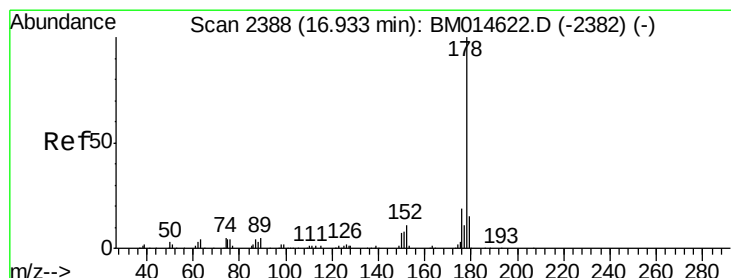
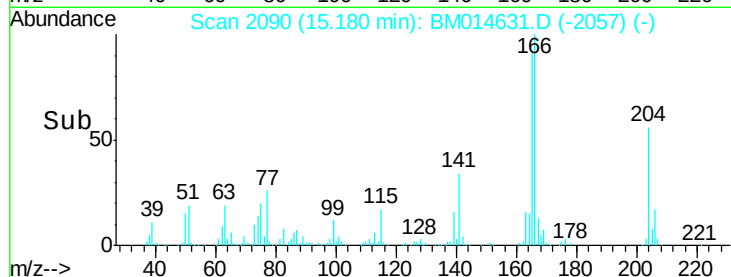
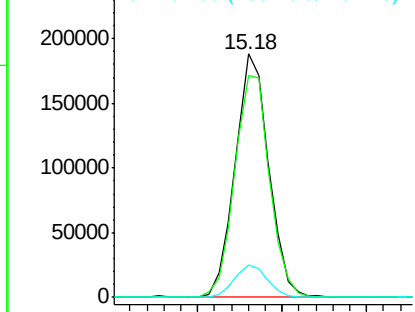
#11
Fluorene
 Concen: 19.611 ng/ul
 RT: 15.18 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BM014631.D
 Acq: 17 Mar 2018 06:34

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02056

Tot Ion:166 Resp: 260627
 Ion Ratio Lower Upper
 166 100
 165 91.0 77.9 116.9
 167 13.2 10.6 16.0

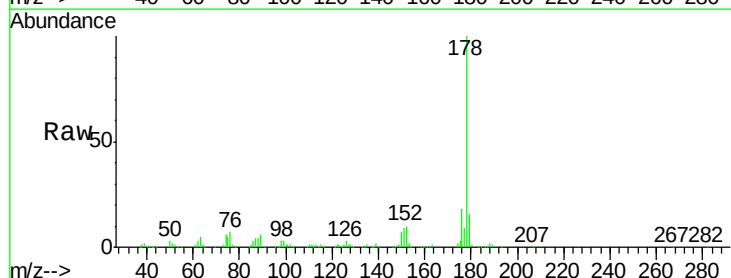


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

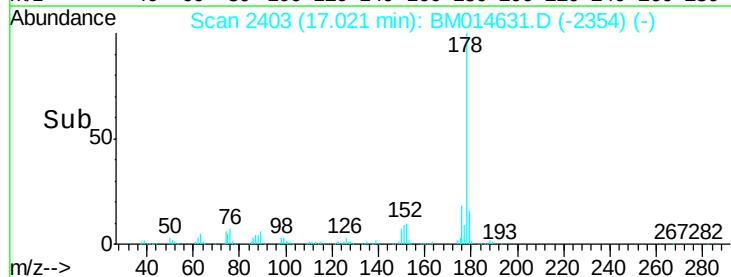
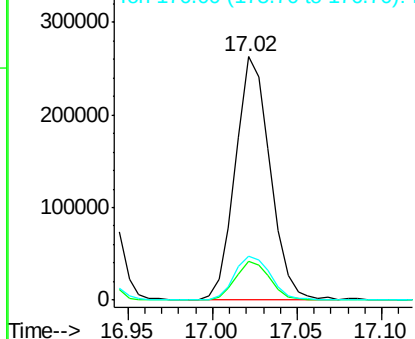


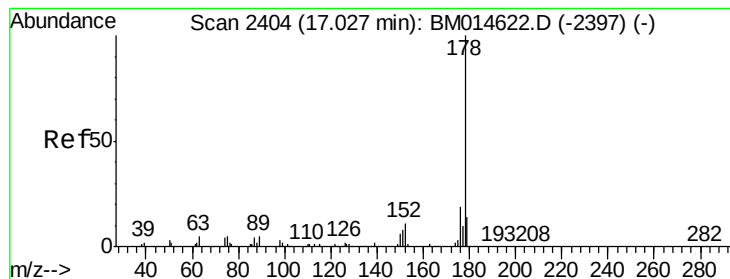
#14
Phenanthrene
 Concen: 19.953 ng/ul
 RT: 17.02 min Scan# 2403
 Delta R.T. 0.09 min
 Lab File: BM014631.D
 Acq: 17 Mar 2018 06:34

Tgt Ion:178 Resp: 374970
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.6 19.0
 176 18.0 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: 19.918 ng/ul

RT: 17.02 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BM014631.D

Acq: 17 Mar 2018 06:34

Instrument :

BNA_M

ClientSampleId :

SSTD02056

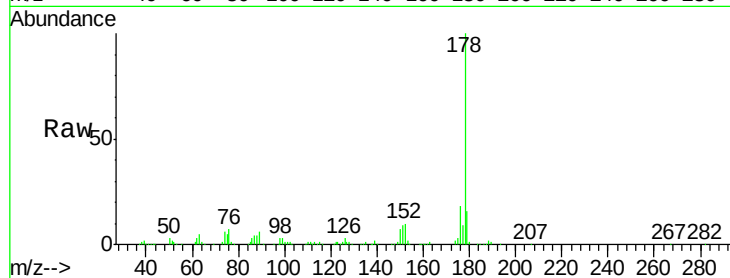
Tot Ion:178 Resp: 374168

Ion Ratio Lower Upper

178 100

179 15.9 11.7 17.5

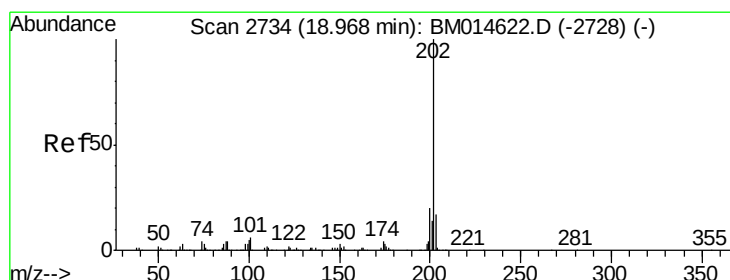
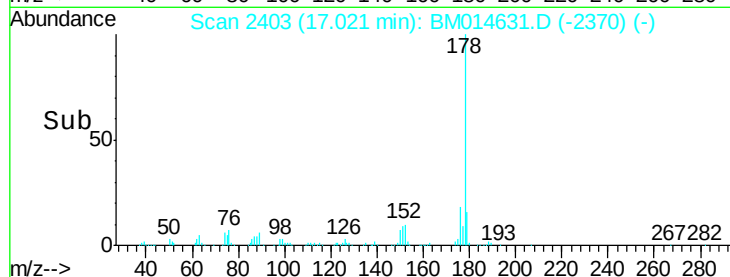
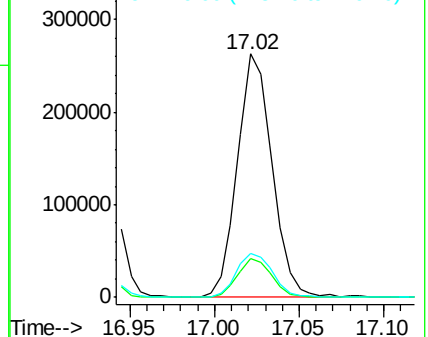
176 18.0 14.6 21.8



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: 18.990 ng/ul

RT: 18.97 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BM014631.D

Acq: 17 Mar 2018 06:34

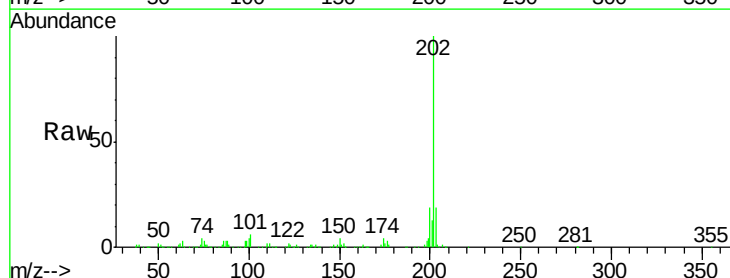
Tgt Ion:202 Resp: 405065

Ion Ratio Lower Upper

202 100

101 5.6 4.6 7.0

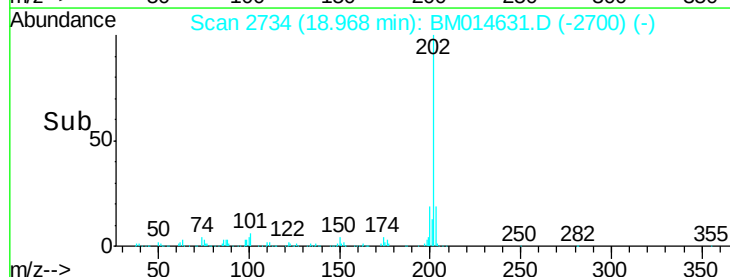
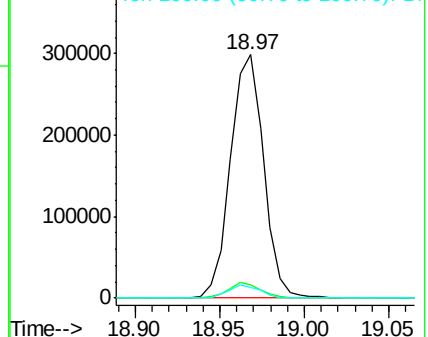
100 4.5 3.4 5.2

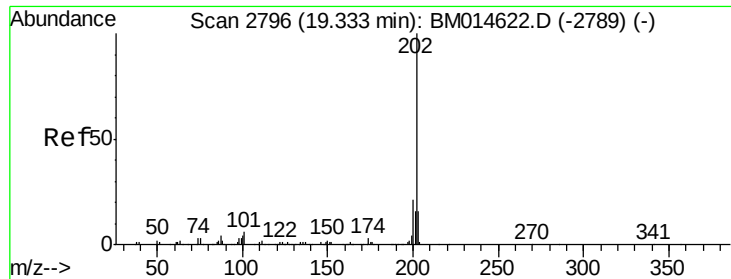


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

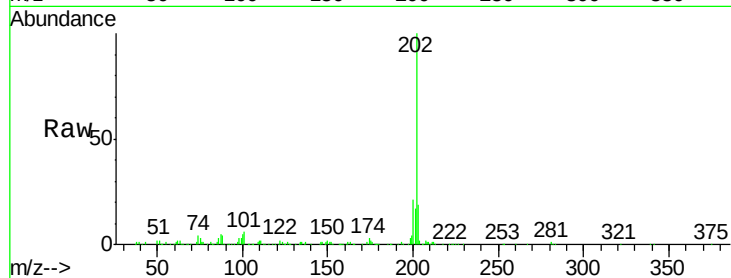




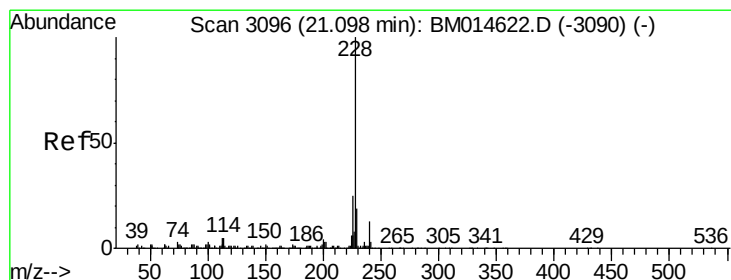
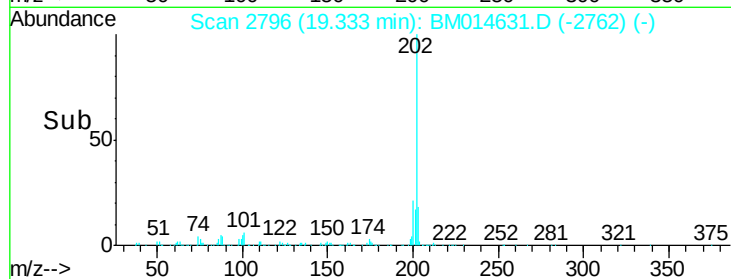
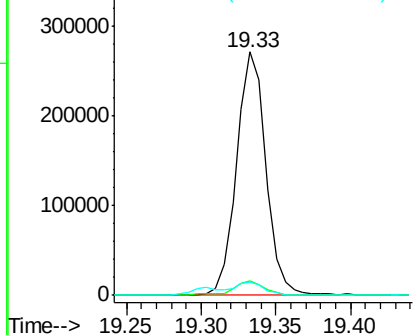
#20
Pvrene
Concen: 19.891 ng/ul
RT: 19.33 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BM014631.D
Acq: 17 Mar 2018 06:34

Instrument :
BNA_M
ClientSampleId :
SSTD02056

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.0	5.1	7.7
100	5.3	4.9	7.3

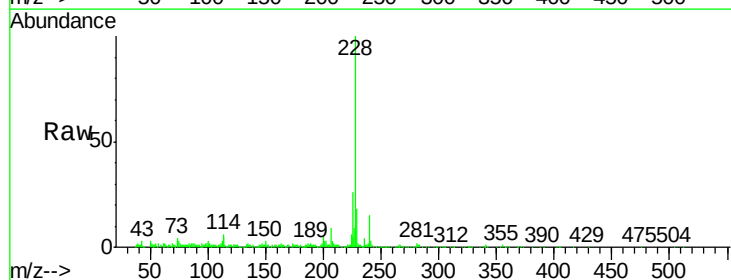


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

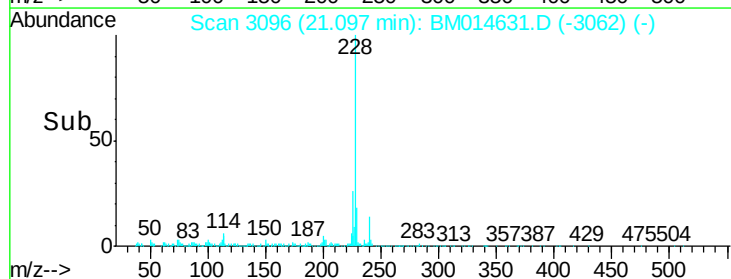
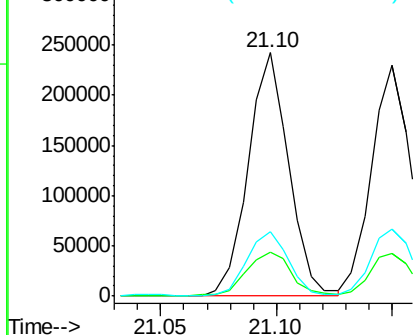


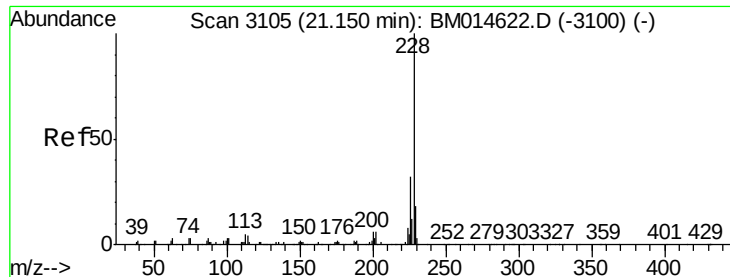
#21
Benzo(a)anthracene
Concen: 19.054 ng/ul
RT: 21.10 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM014631.D
Acq: 17 Mar 2018 06:34

Tgt Ion	Ratio	Lower	Upper
228	100		
229	17.9	15.4	23.0
226	26.4	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: 18.872 ng/ul

RT: 21.15 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BM014631.D

Acq: 17 Mar 2018 06:34

Instrument :

BNA_M

ClientSampleId :

SSTD02056

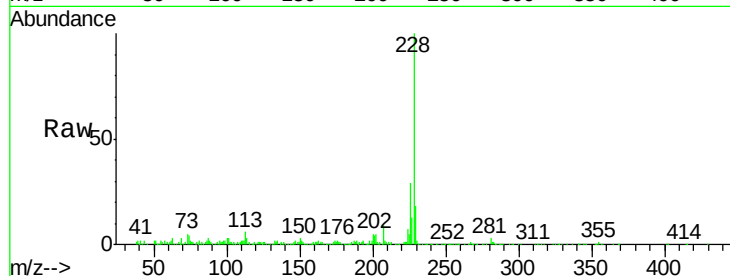
Tot Ion:228 Resp: 270729

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

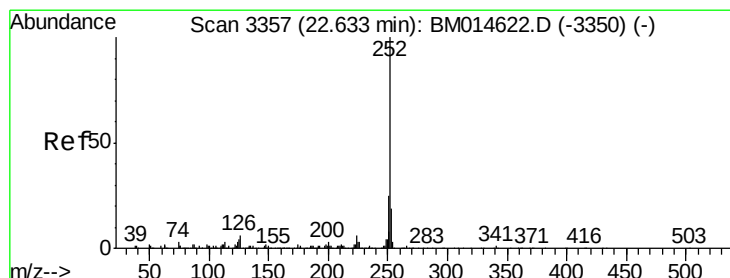
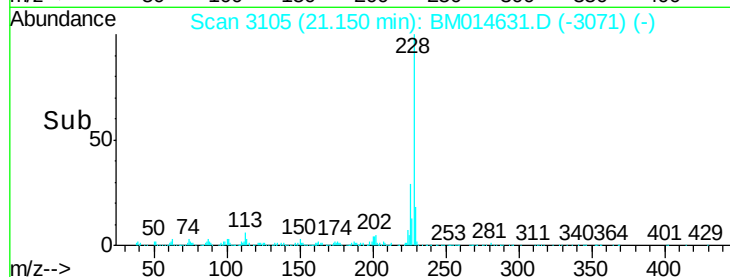
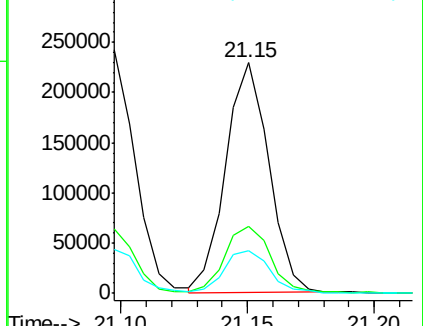
229 18.5 15.5 23.3



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: 20.038 ng/ul

RT: 22.63 min Scan# 3357

Delta R.T. -0.00 min

Lab File: BM014631.D

Acq: 17 Mar 2018 06:34

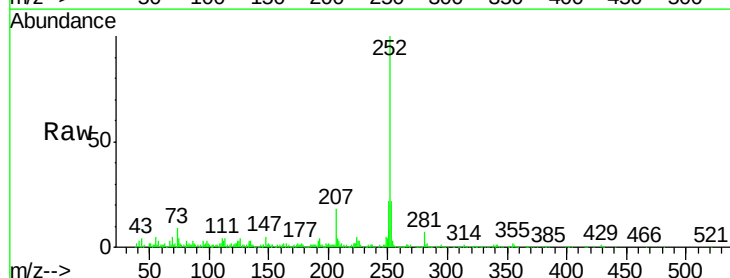
Tgt Ion:252 Resp: 299993

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

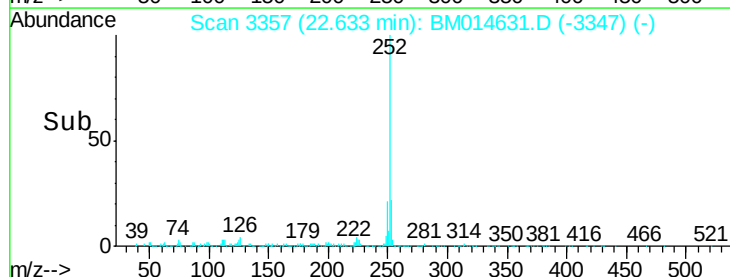
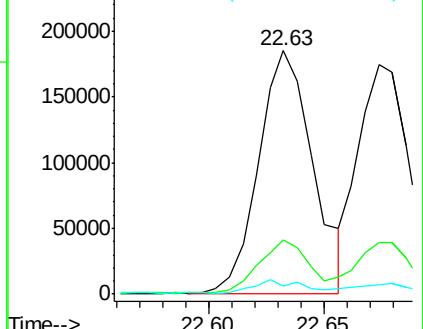
125 3.5 3.6 5.4#

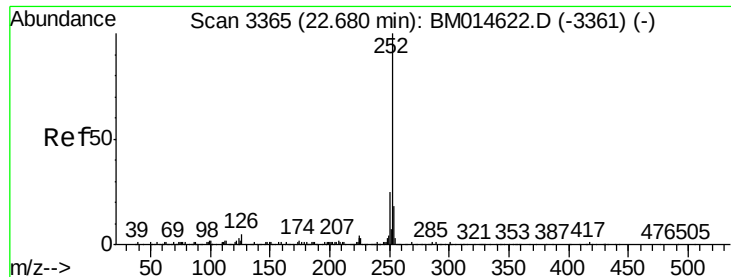


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 18.586 ng/ul

RT: 22.67 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BM014631.D

Acq: 17 Mar 2018 06:34

Instrument :

BNA_M

ClientSampleId :

SSTD02056

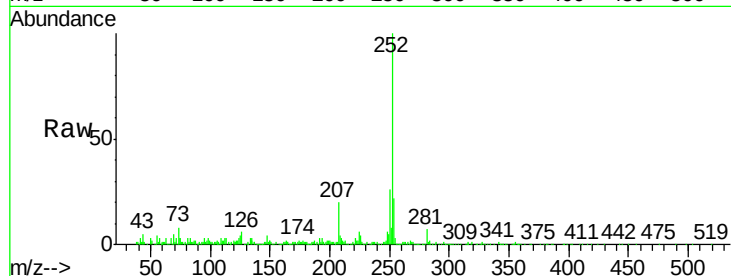
Tot Ion:252 Resp: 264351

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

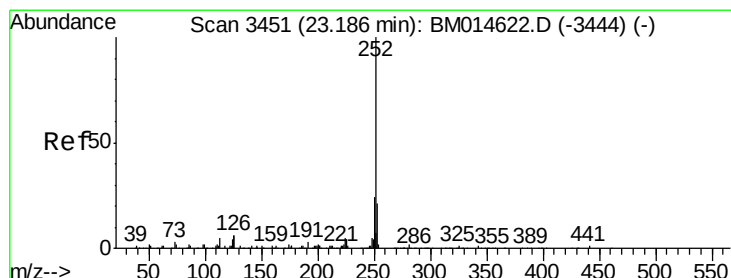
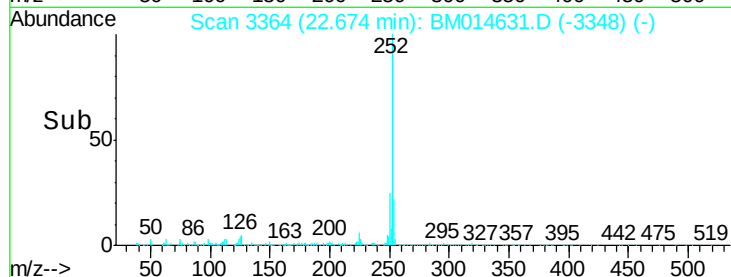
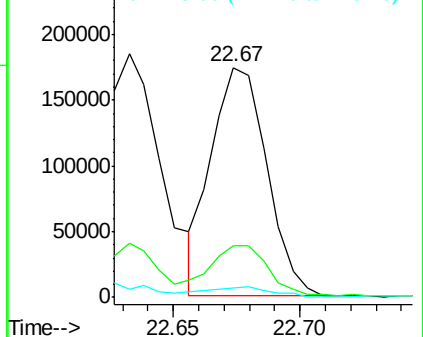
125 4.2 3.4 5.2



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: 18.974 ng/ul

RT: 23.19 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BM014631.D

Acq: 17 Mar 2018 06:34

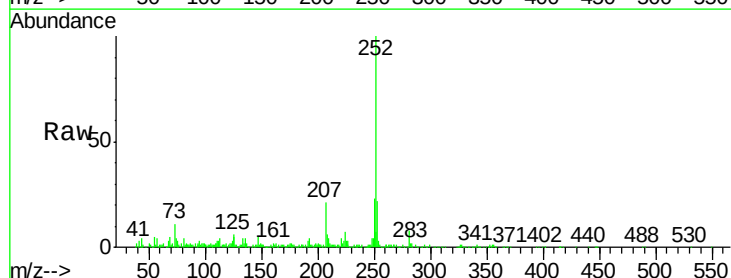
Tgt Ion:252 Resp: 269631

Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.2

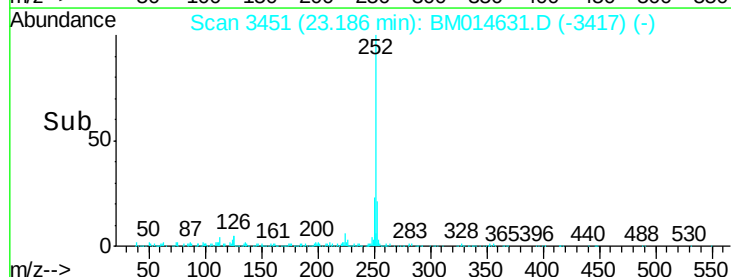
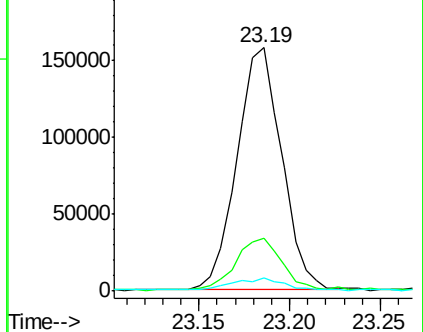
125 5.6 4.0 6.0

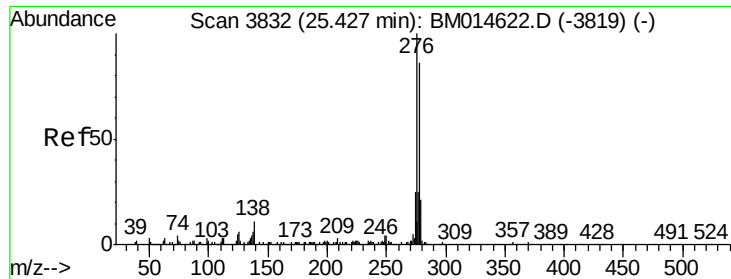


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



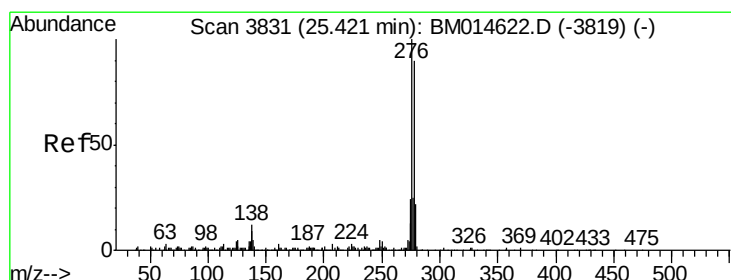
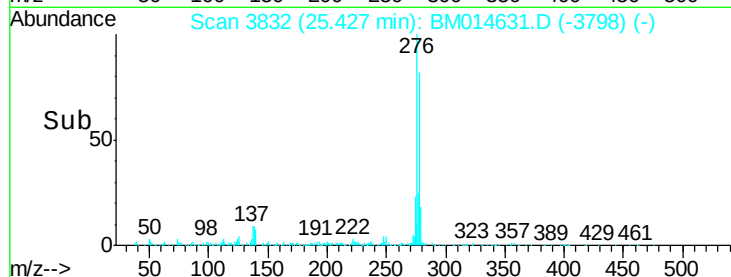
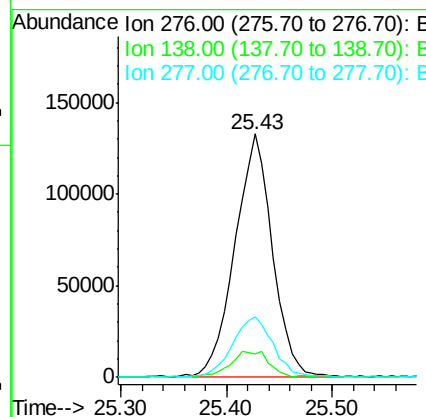
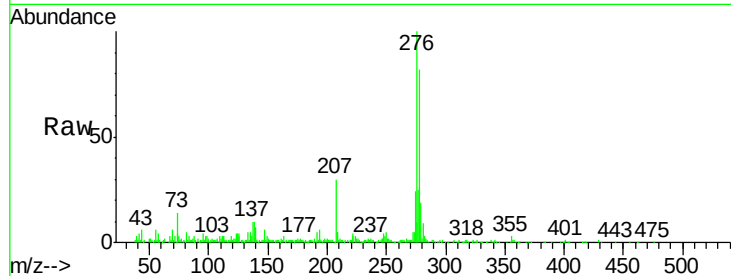


#28

Indeno(1,2,3-cd)pyrene
Concen: 19.670 ng/ul
RT: 25.43 min Scan# 3832
Delta R.T. -0.00 min
Lab File: BM014631.D
Acq: 17 Mar 2018 06:34

Instrument :
BNA_M
ClientSampleId :
SSTD02056

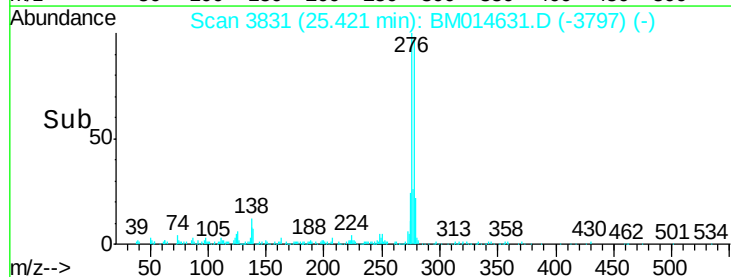
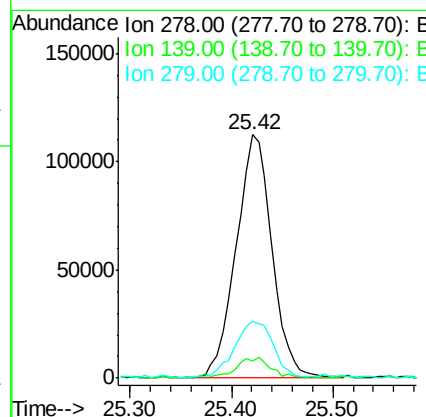
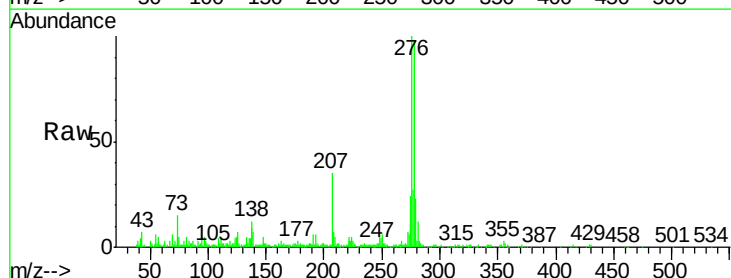
Tot Ion	Ratio	Lower	Upper
276	100		
138	9.5	9.3	13.9
277	25.0	19.9	29.9

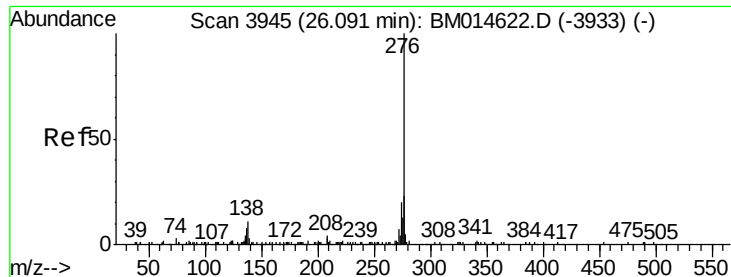


#29

Dibenzo(a,h)anthracene
Concen: 19.915 ng/ul
RT: 25.42 min Scan# 3831
Delta R.T. -0.00 min
Lab File: BM014631.D
Acq: 17 Mar 2018 06:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	7.2	5.8	8.8
279	23.1	18.6	27.8





#30

Benzo(a,h,i)perylene

Concen: 20.294 ng/ul

RT: 26.09 min Scan# 3945

Delta R.T. -0.00 min

Lab File: BM014631.D

Acq: 17 Mar 2018 06:34

Instrument :

BNA_M

ClientSampleId :

SSTD02056

Tot Ion:276 Resp: 264398

Ion Ratio Lower Upper

276 100

138 9.7 8.5 12.7

277 25.1 18.6 28.0

