

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM032218\
 Data File : BM014657.D
 Acq On : 22 Mar 2018 15:17
 Operator : SJ/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 22 18:17:44 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:49:10 2018
 Response via : Initial Calibration

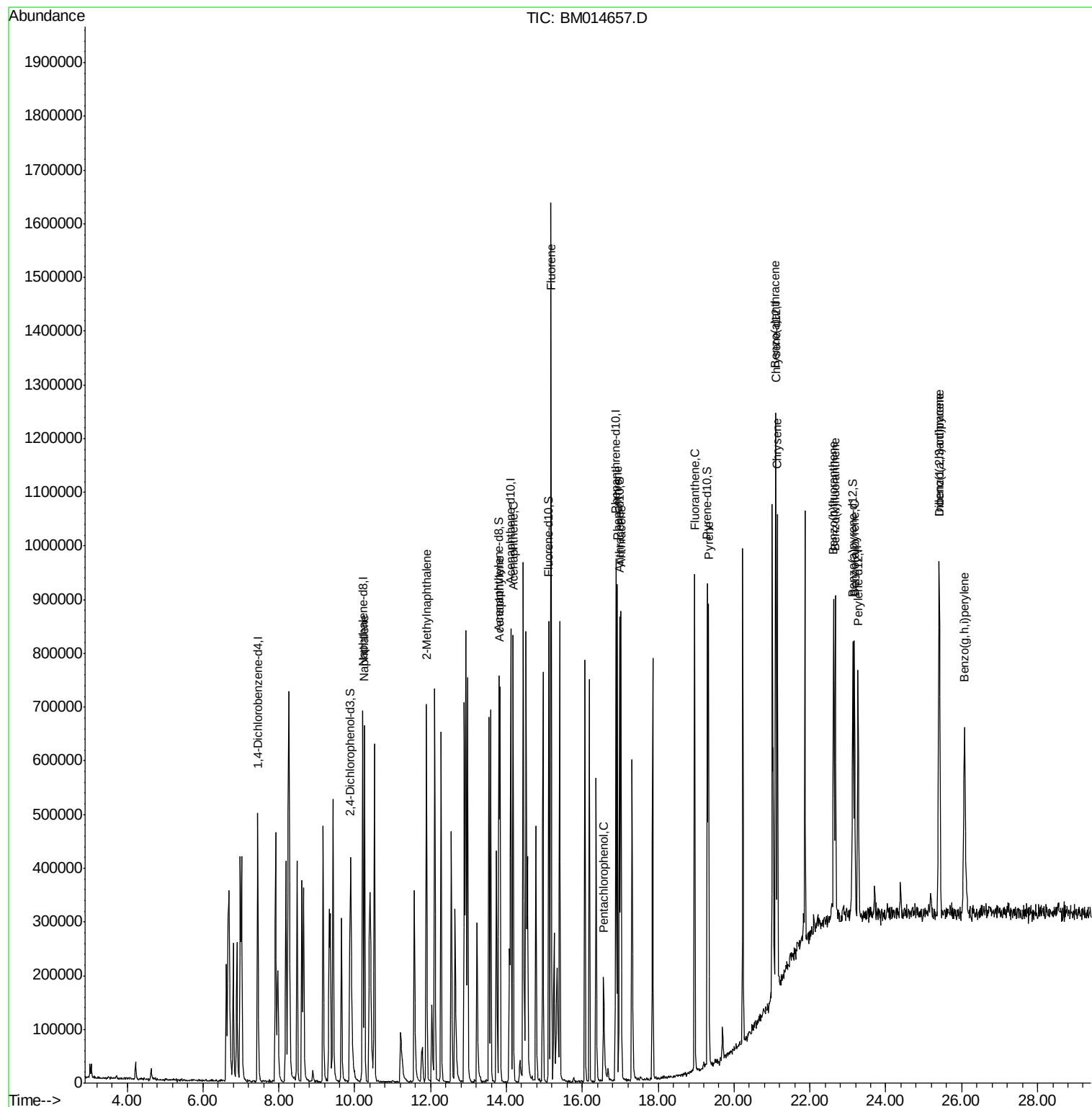
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	115811	20.00	ng/ul	0.00
2) Naphthalene-d8	10.21	136	462471	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	230030	20.00	ng/ul	-0.01
12) Phenanthrene-d10	16.88	188	462891	20.00	ng/ul	0.00
18) Chrysene-d12	21.10	240	354021	20.00	ng/ul	-0.01
23) Perylene-d12	23.27	264	308424	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.87	165	139288	19.49	ng/ul	0.00
7) Acenaphthylene-d8	13.80	160	475848	19.36	ng/ul	0.00
10) Fluorene-d10	15.12	176	290397	18.03	ng/ul	0.00
15) Anthracene-d10	16.98	188	417473	18.84	ng/ul	0.00
19) Pyrene-d10	19.30	212	417668	19.63	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.13	264	284055	19.04	ng/ul	-0.01
Target Compounds				Qvalue		
4) Naphthalene	10.26	128	446509	19.010	ng/ul	99
5) 2-Methylnaphthalene	11.89	142	309037	18.803	ng/ul	93
8) Acenaphthylene	13.83	152	439030	19.240	ng/ul	99
9) Acenaphthene	14.17	153	301459	19.304	ng/ul	99
11) Fluorene	15.17	166	330683	17.870	ng/ul	97
13) Pentachlorophenol	16.56	266	36861	17.396	ng/ul#	87
14) Phenanthrene	16.92	178	493223	19.026	ng/ul	98
16) Anthracene	17.02	178	483862	18.672	ng/ul	98
17) Fluoranthene	18.96	202	544476	18.503	ng/ul	100
20) Pyrene	19.33	202	522480	19.624	ng/ul	98
21) Benzo(a)anthracene	21.09	228	429336	19.177	ng/ul	98
22) Chrysene	21.14	228	398190	19.344	ng/ul	97
24) Benzo(b)fluoranthene	22.63	252	375058	19.342	ng/ul	95
25) Benzo(k)fluoranthene	22.67	252	360940	19.593	ng/ul	98
27) Benzo(a)pyrene	23.17	252	357062	19.400	ng/ul#	98
28) Indeno(1,2,3-cd)pyrene	25.41	276	410784	19.392	ng/ul	97
29) Dibenzo(a,h)anthracene	25.41	278	340667	19.213	ng/ul#	94
30) Benzo(g,h,i)perylene	26.07	276	344855	20.437	ng/ul	99

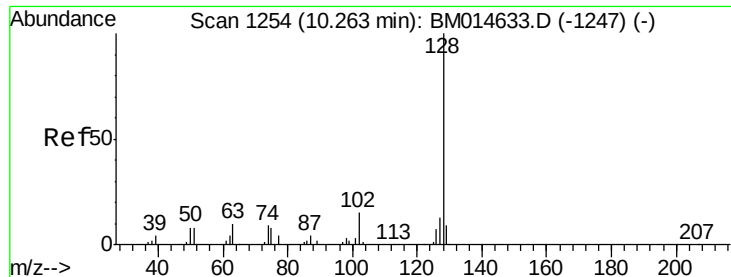
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM032218\
Data File : BM014657.D
Acq On : 22 Mar 2018 15:17
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Mar 22 18:17:44 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 22 01:49:10 2018
Response via : Initial Calibration





#4

Naphthalene

Concen: 19.010 ng/ul

RT: 10.26 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

Instrument :

BNA_M

ClientSampleId :

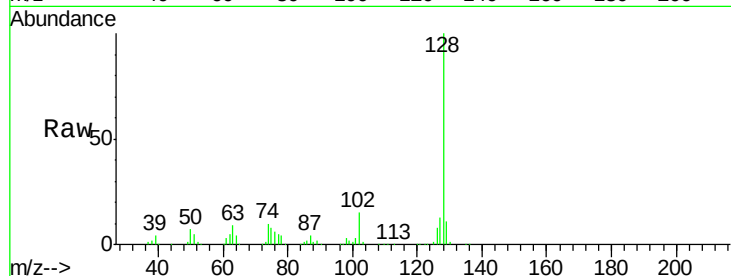
Tot Ion:128 Resp: 446509

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

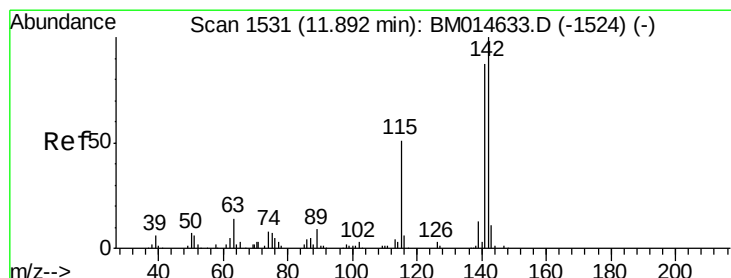
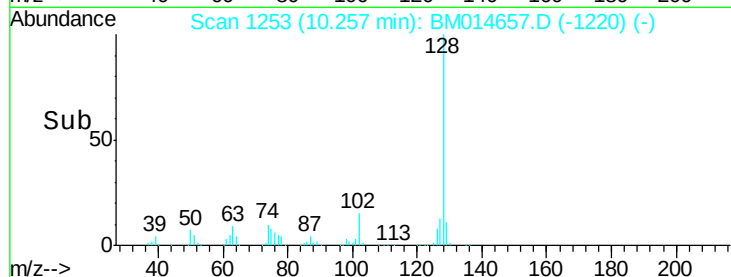
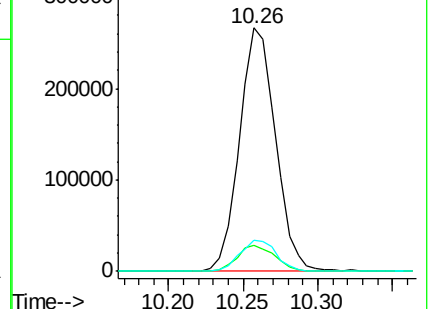
127 13.0 10.6 16.0



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: 18.803 ng/ul

RT: 11.89 min Scan# 1531

Delta R.T. 0.00 min

Lab File: BM014657.D

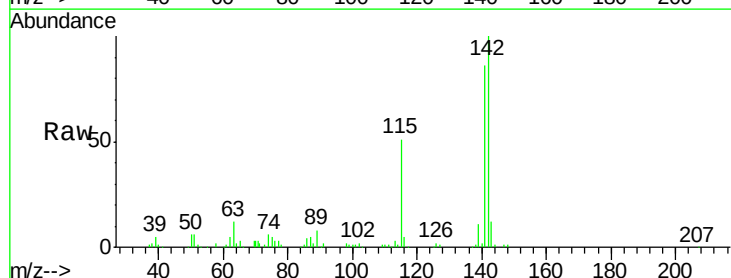
Acq: 22 Mar 2018 15:17

Tgt Ion:142 Resp: 309037

Ion Ratio Lower Upper

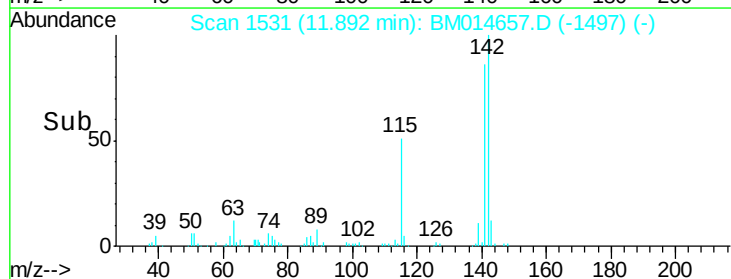
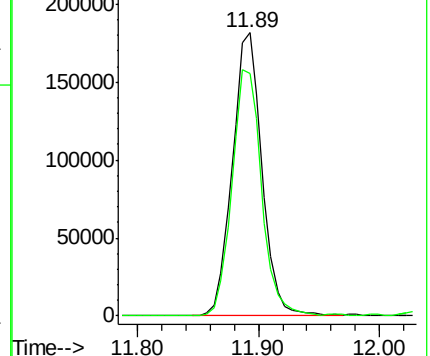
142 100

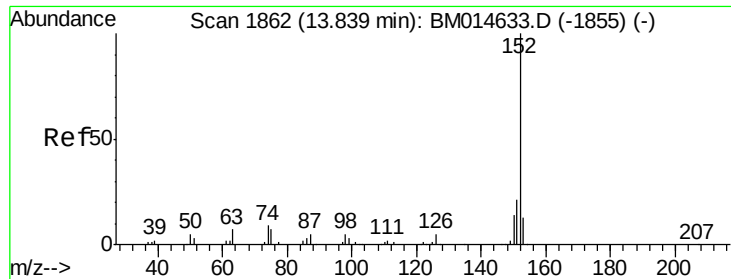
141 85.6 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 19.240 ng/ul

RT: 13.83 min Scan# 1861

Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

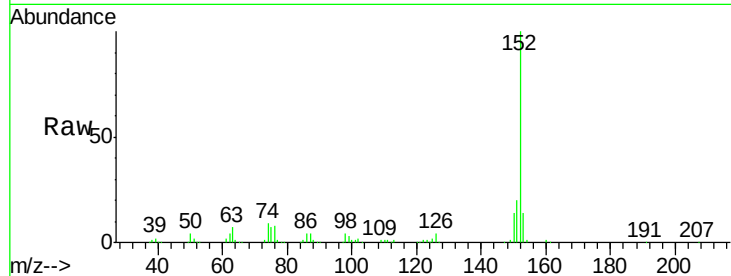
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 439030

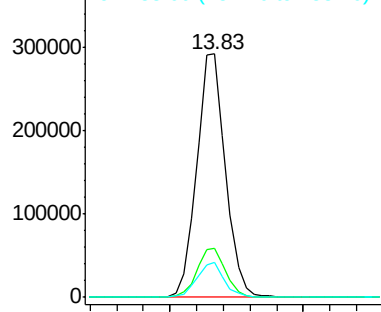
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	14.1	10.2	15.4



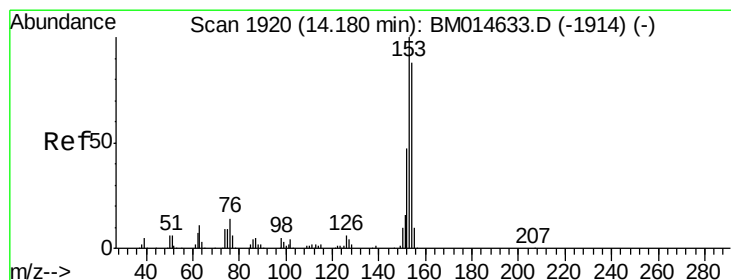
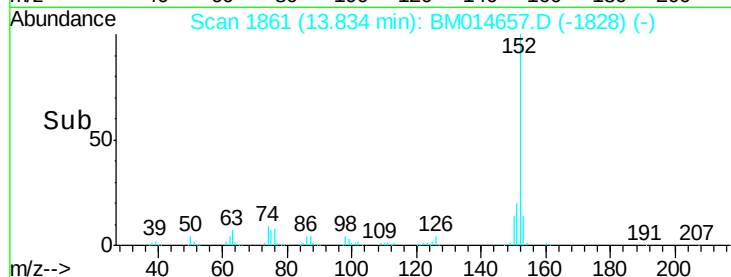
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#9

Acenaphthene

Concen: 19.304 ng/ul

RT: 14.17 min Scan# 1919

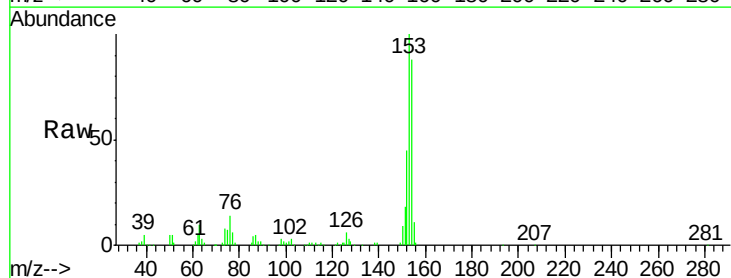
Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

Tgt Ion:153 Resp: 301459

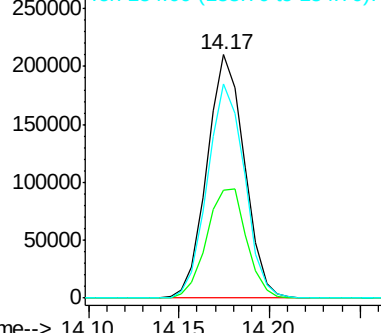
Ion	Ratio	Lower	Upper
153	100		
152	44.6	37.6	56.4
154	87.7	70.4	105.6



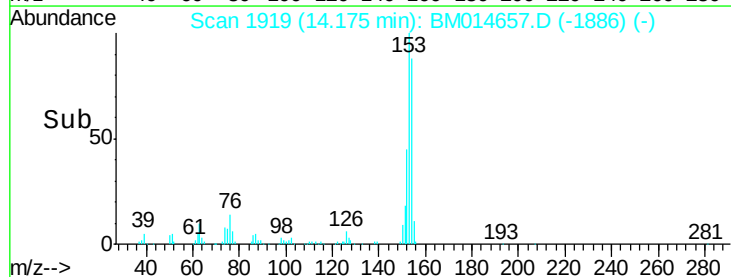
Abundance Ion 153.00 (152.70 to 153.70): E

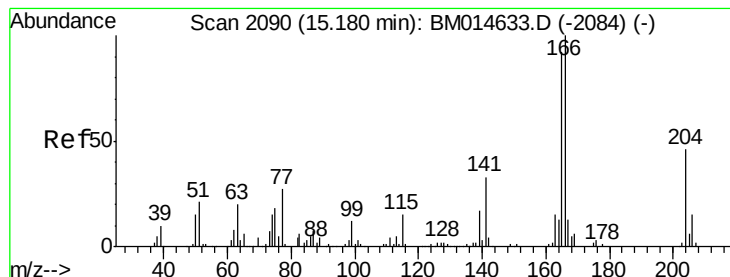
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#11

Fluorene

Concen: 17.870 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

Instrument :

BNA_M

ClientSampleId :

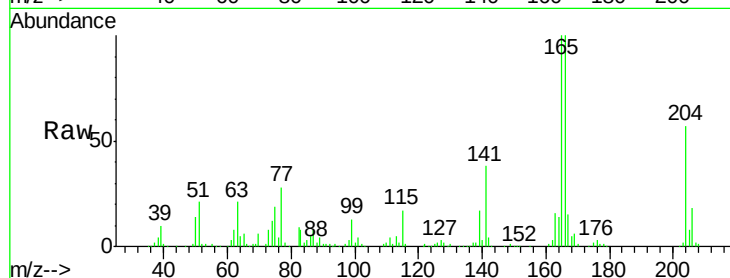
Tot Ion:166 Resp: 330683

Ion Ratio Lower Upper

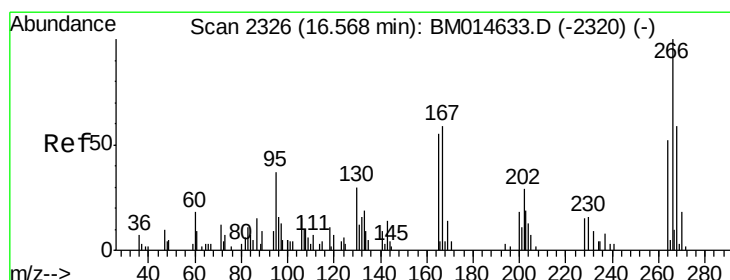
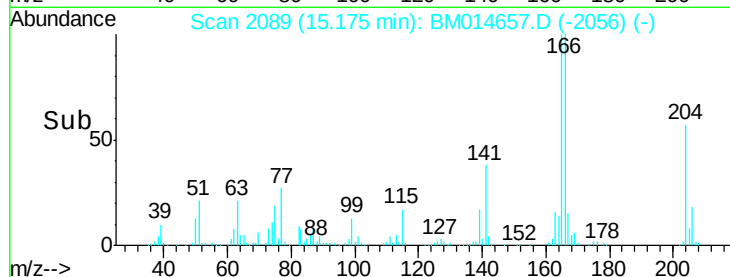
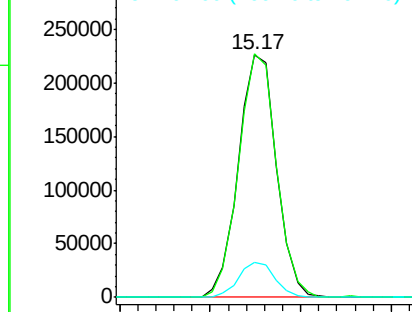
166 100

165 100.4 77.9 116.9

167 14.6 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: 17.396 ng/ul

RT: 16.56 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

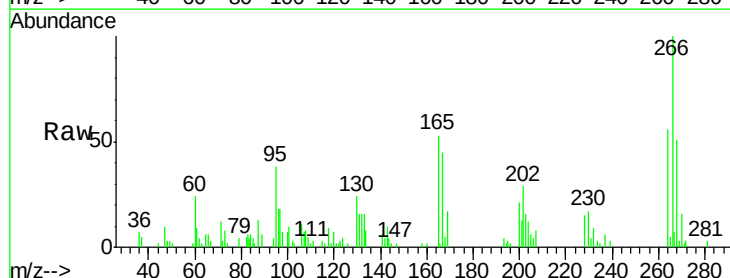
Tgt Ion:266 Resp: 36861

Ion Ratio Lower Upper

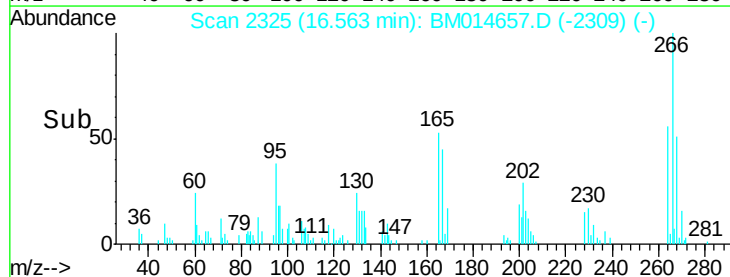
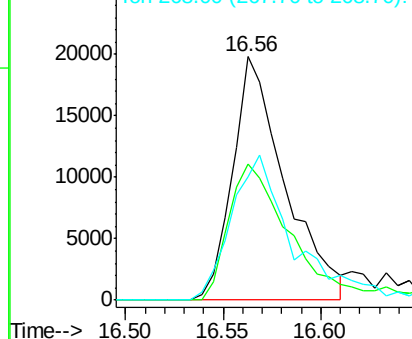
266 100

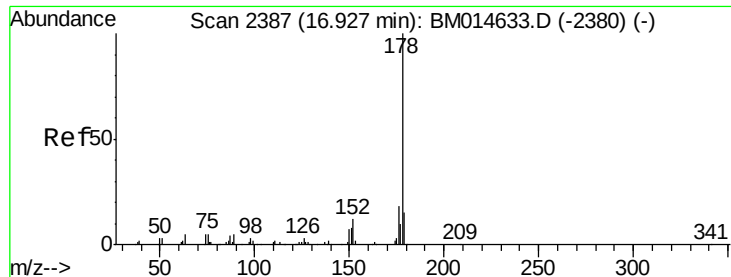
264 55.7 49.3 73.9

268 50.9 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: 19.026 ng/ul

RT: 16.92 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

Instrument :

BNA_M

ClientSampled :

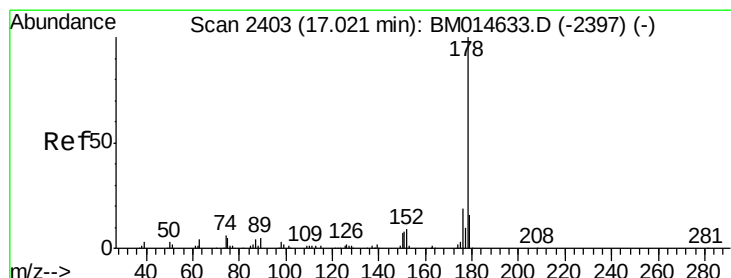
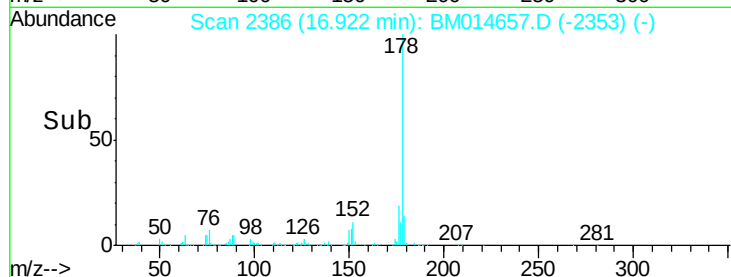
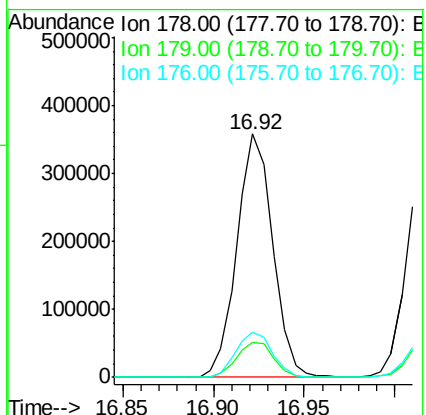
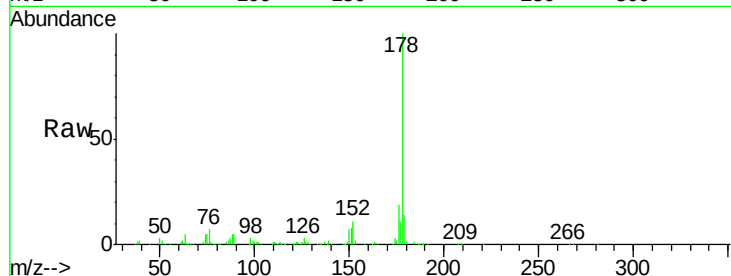
Tot Ion:178 Resp: 493223

Ion Ratio Lower Upper

178 100

179 14.4 12.6 19.0

176 18.5 14.9 22.3



#16

Anthracene

Concen: 18.672 ng/ul

RT: 17.02 min Scan# 2402

Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

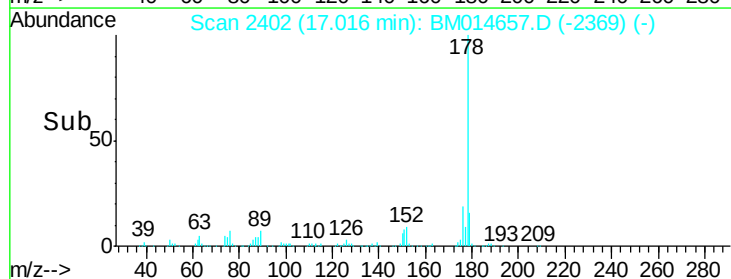
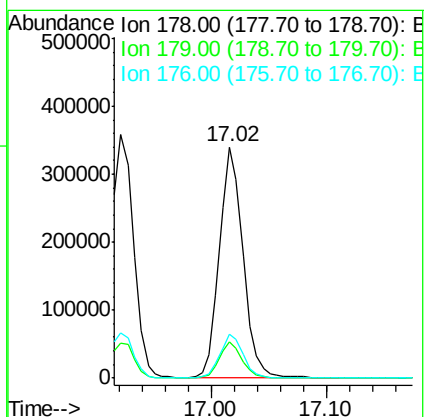
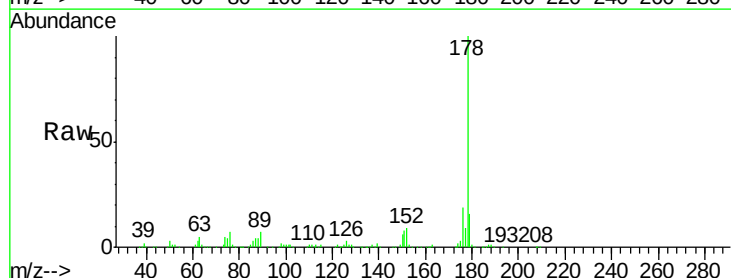
Tgt Ion:178 Resp: 483862

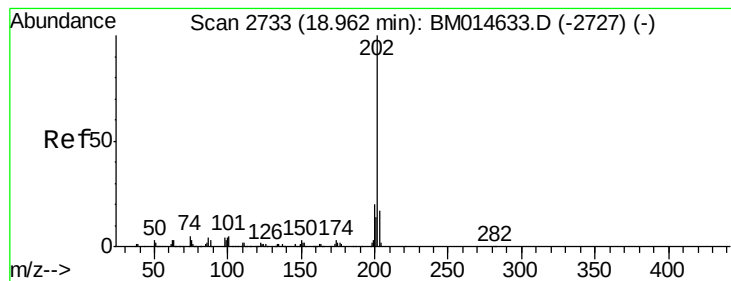
Ion Ratio Lower Upper

178 100

179 15.5 11.7 17.5

176 18.9 14.6 21.8





#17

Fluoranthene

Concen: 18.503 ng/ul

RT: 18.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

Instrument :

BNA_M

ClientSampled :

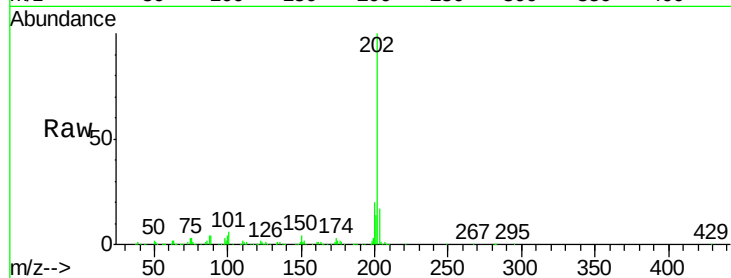
Tot Ion:202 Resp: 544476

Ion Ratio Lower Upper

202 100

101 6.0 4.6 7.0

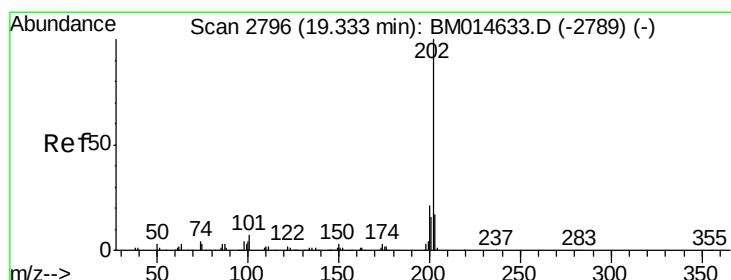
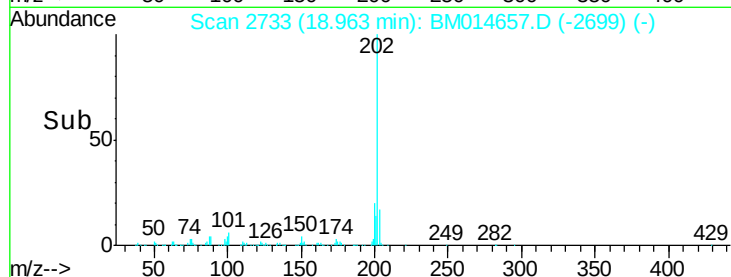
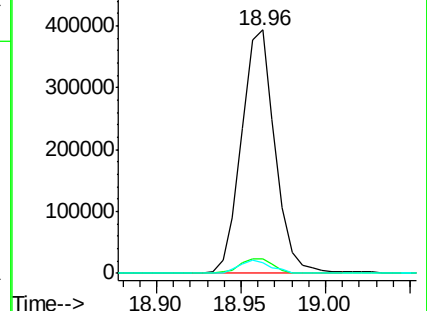
100 4.3 3.4 5.2



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



#20

Pyrene

Concen: 19.624 ng/ul

RT: 19.33 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

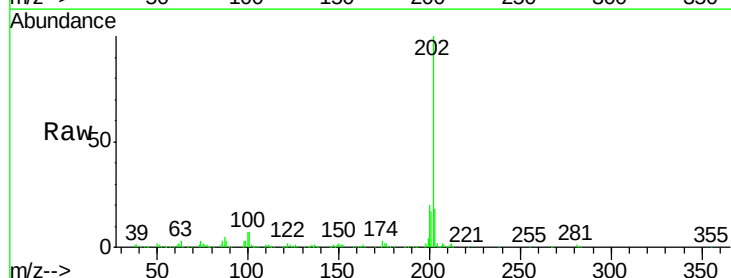
Tgt Ion:202 Resp: 522480

Ion Ratio Lower Upper

202 100

101 6.6 5.1 7.7

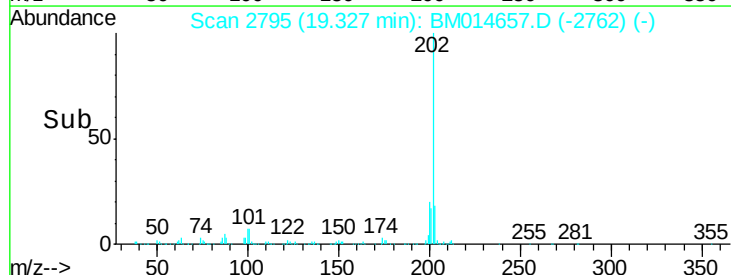
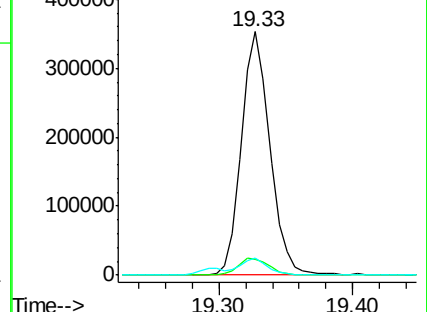
100 6.9 4.9 7.3

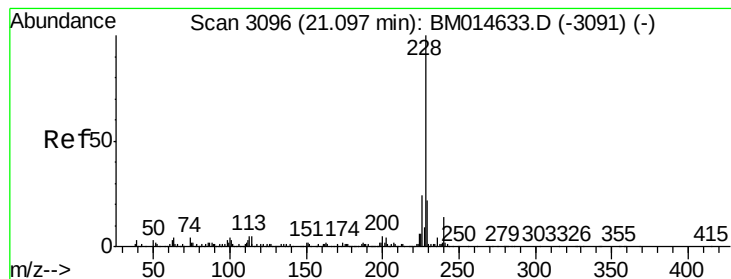


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 19.177 ng/ul

RT: 21.09 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

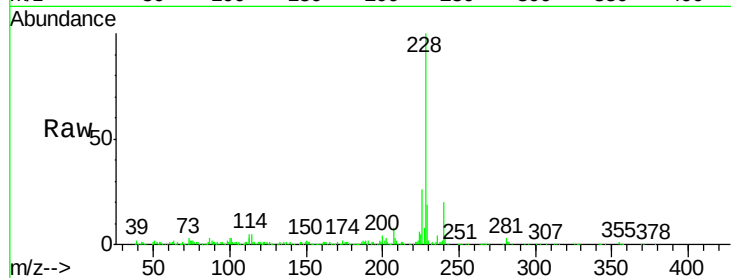
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 429336

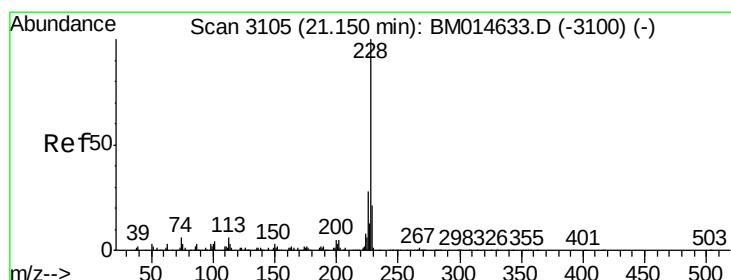
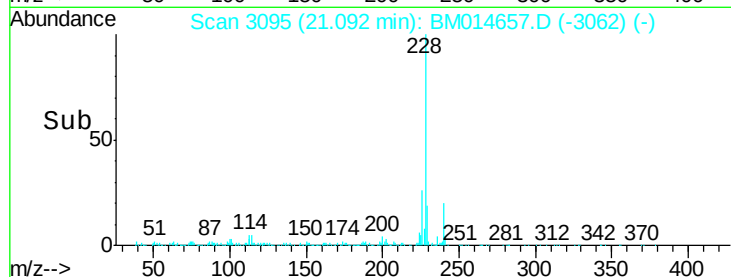
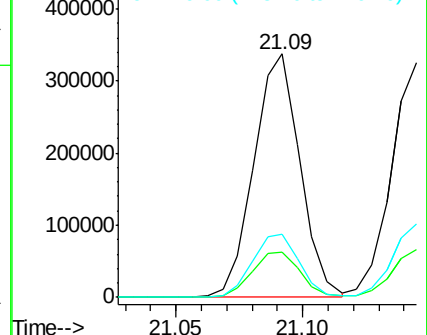
Ion	Ratio	Lower	Upper
228	100		
229	18.6	15.4	23.0
226	25.9	21.4	32.0



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: 19.344 ng/ul

RT: 21.14 min Scan# 3104

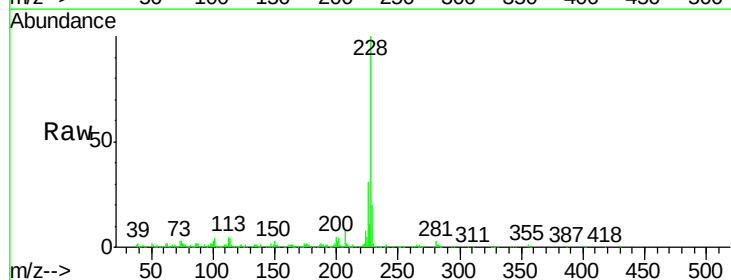
Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

Tgt Ion:228 Resp: 398190

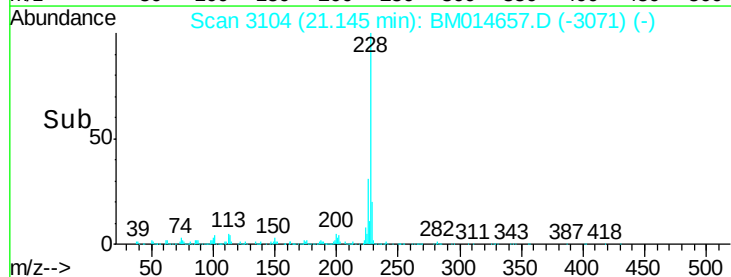
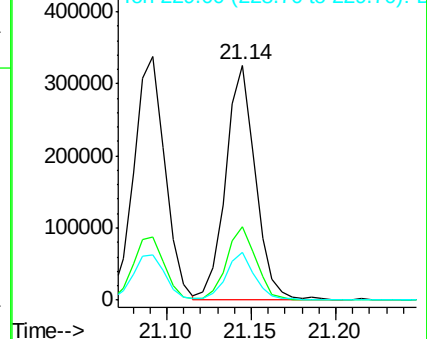
Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.4	35.2
229	20.1	15.5	23.3

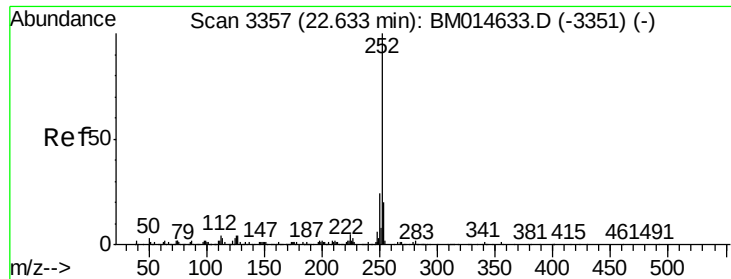


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 19.342 ng/ul

RT: 22.63 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

Instrument :

BNA_M

ClientSampleId :

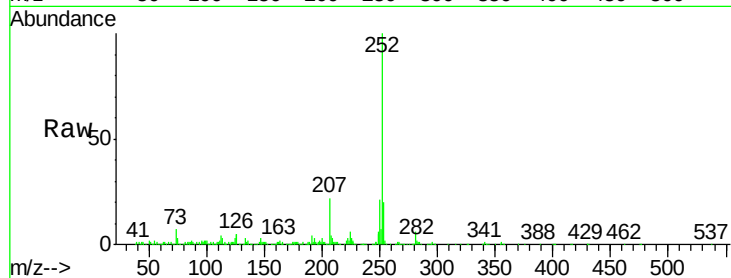
Tot Ion:252 Resp: 375058

Ion Ratio Lower Upper

252 100

253 19.8 17.9 26.9

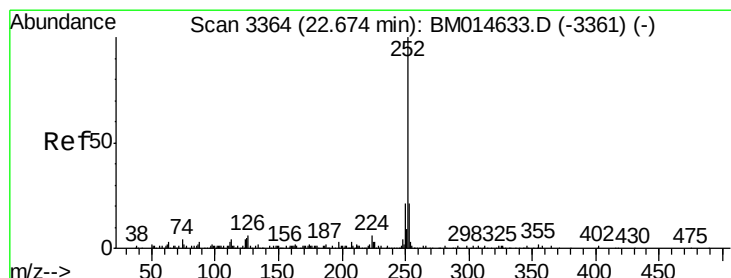
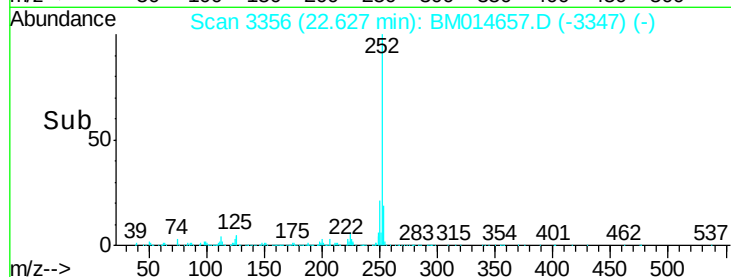
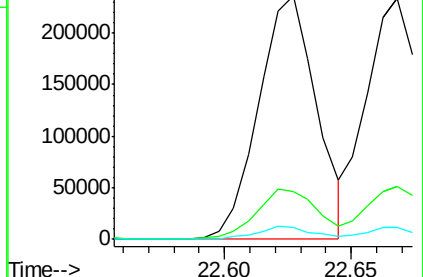
125 5.0 3.6 5.4



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: 19.593 ng/ul

RT: 22.67 min Scan# 3363

Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

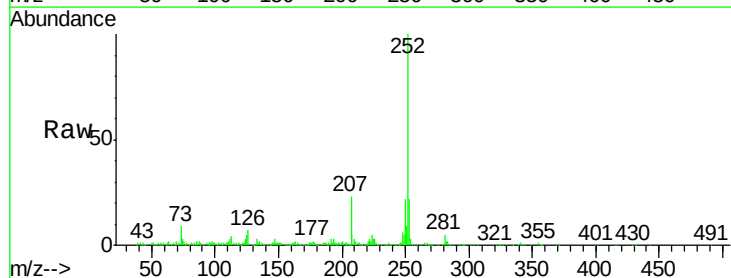
Tgt Ion:252 Resp: 360940

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

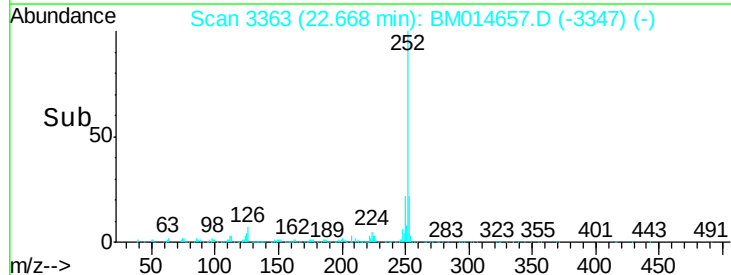
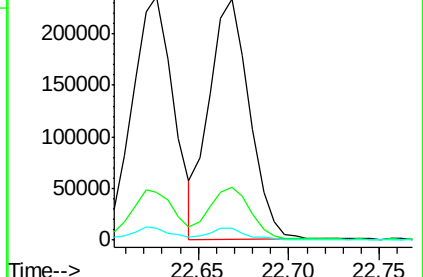
125 4.7 3.4 5.2

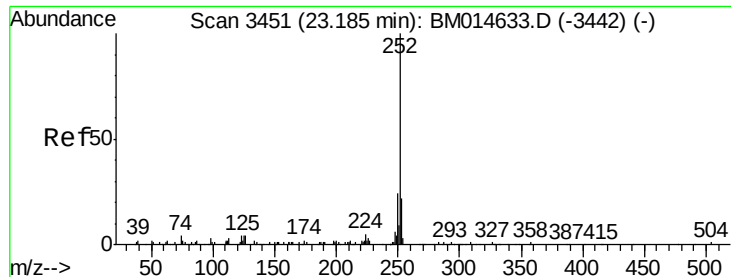


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 19.400 ng/ul

RT: 23.17 min Scan# 3449

Delta R.T. -0.01 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

Instrument :

BNA_M

ClientSampleId :

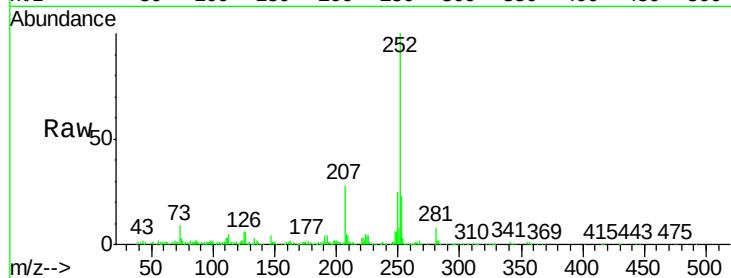
Tot Ion:252 Resp: 357062

Ion Ratio Lower Upper

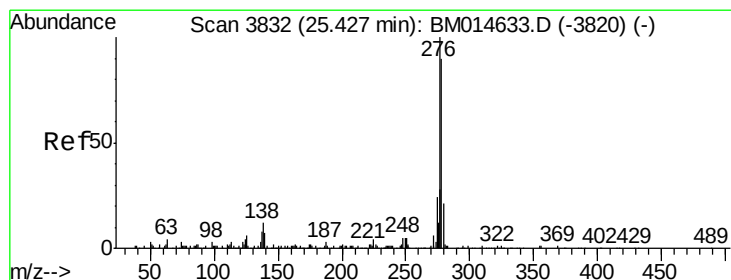
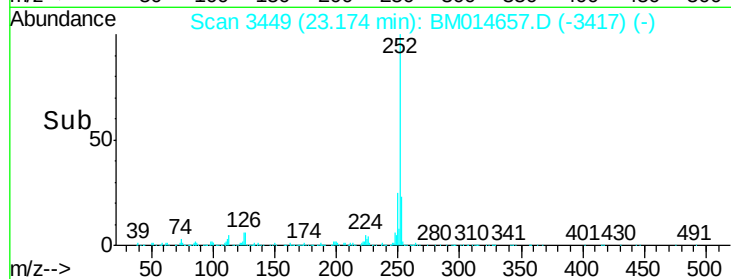
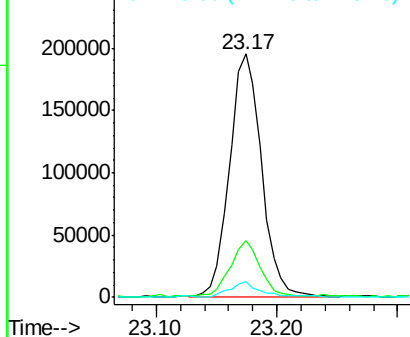
252 100

253 23.3 18.2 27.2

125 6.3 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: 19.392 ng/ul

RT: 25.41 min Scan# 3829

Delta R.T. -0.02 min

Lab File: BM014657.D

Acq: 22 Mar 2018 15:17

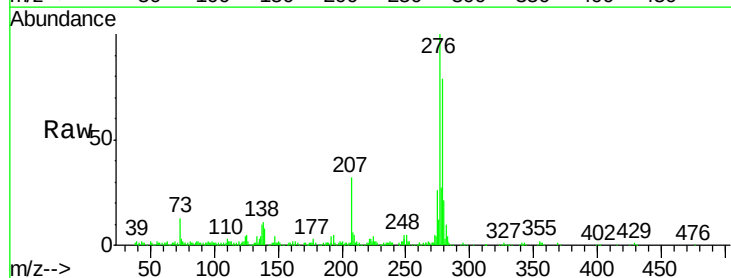
Tgt Ion:276 Resp: 410784

Ion Ratio Lower Upper

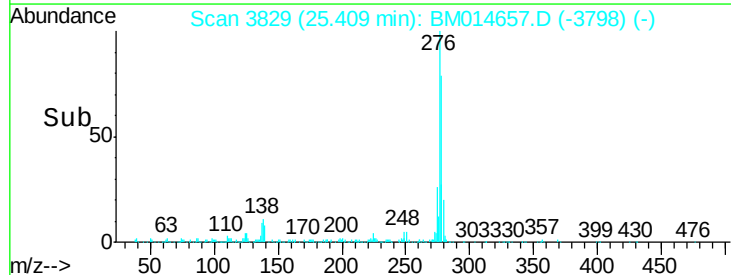
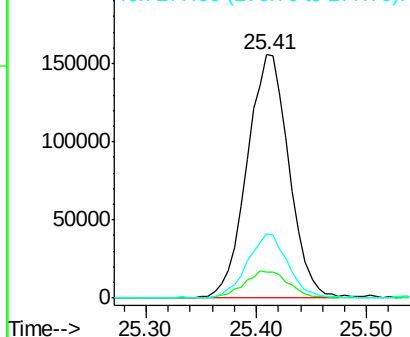
276 100

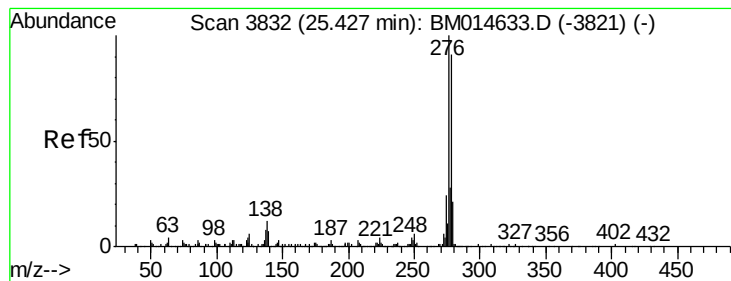
138 10.5 9.3 13.9

277 26.6 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



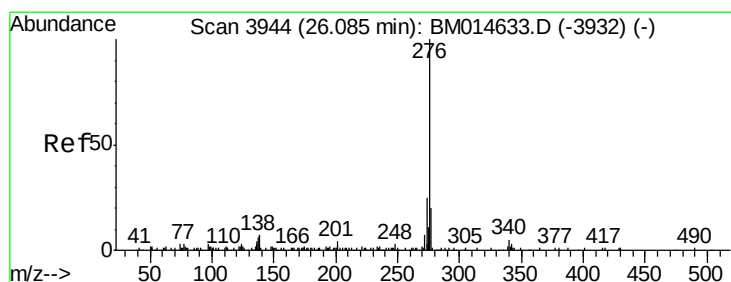
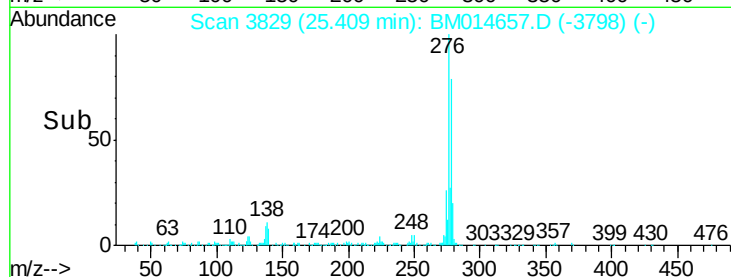
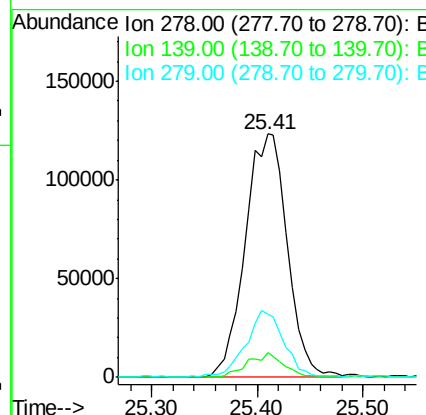
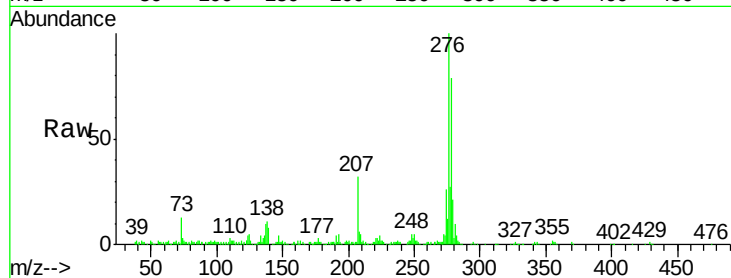


#29

Dibenzo(a,h)anthracene
 Concen: 19.213 ng/ul
 RT: 25.41 min Scan# 3829
 Delta R.T. -0.02 min
 Lab File: BM014657.D
 Acq: 22 Mar 2018 15:17

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.0	5.8	8.8#
279	25.9	18.6	27.8



#30

Benzo(g,h,i)perylene
 Concen: 20.437 ng/ul
 RT: 26.07 min Scan# 3941
 Delta R.T. -0.02 min
 Lab File: BM014657.D
 Acq: 22 Mar 2018 15:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.4	8.5	12.7
277	22.9	18.6	28.0

