

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031618\
 Data File : BM014627.D
 Acq On : 17 Mar 2018 04:10
 Operator : SJ/JU
 Sample : J1918-15
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE8K7

Quant Time: Mar 17 04:50:03 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

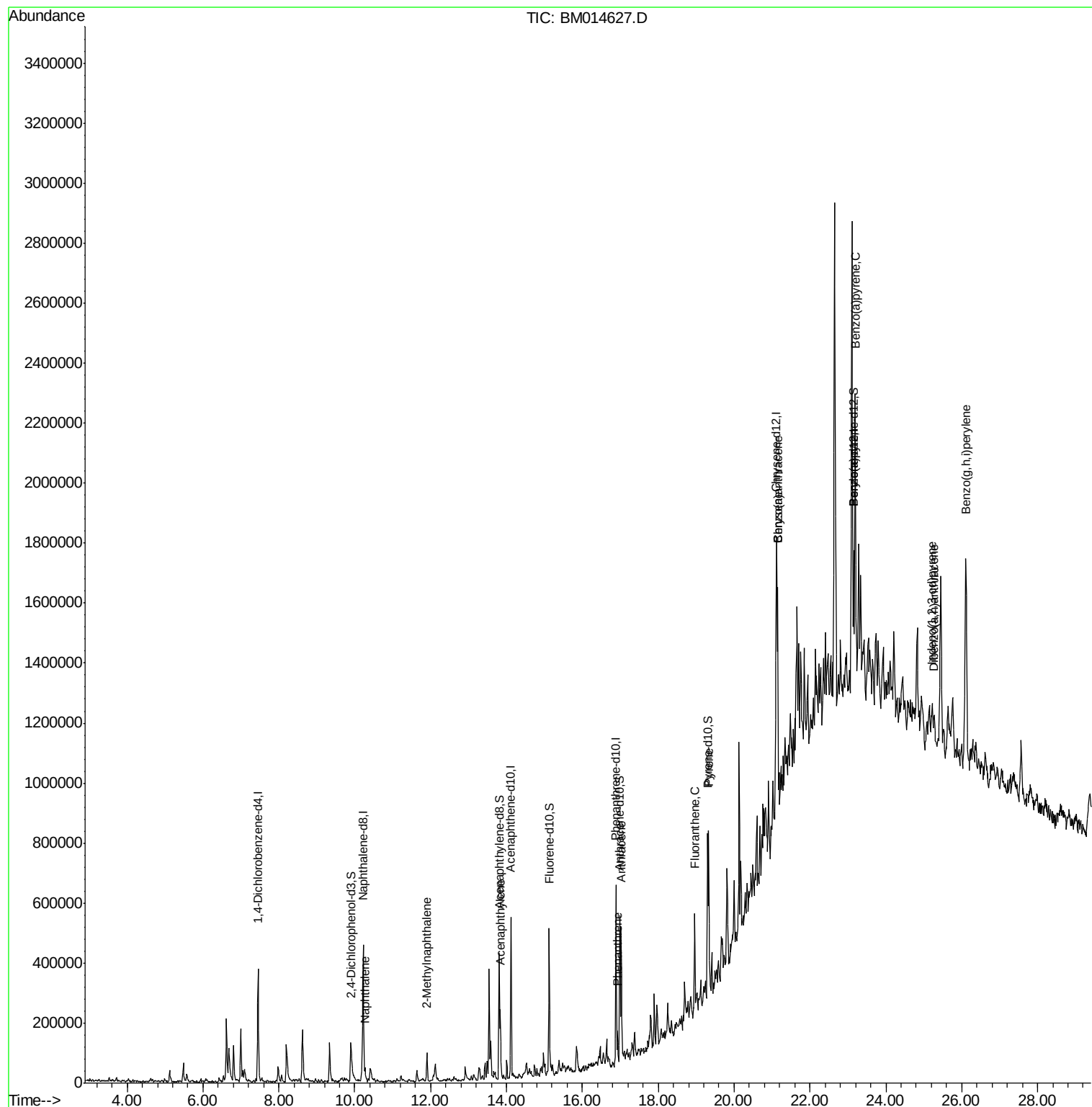
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	84514	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	306752	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	148862	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	273280	20.00	ng/ul	0.00
18) Chrysene-d12	21.12	240	267740	20.00	ng/ul	0.00
23) Perylene-d12	23.15	264	199188	20.00	ng/ul	-0.12
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.90	165	55807	11.77	ng/ul	0.02
7) Acenaphthylene-d8	13.81	160	238596	15.00	ng/ul	0.00
10) Fluorene-d10	15.13	176	147658	14.17	ng/ul	0.00
15) Anthracene-d10	16.99	188	210697	16.10	ng/ul	0.00
19) Pyrene-d10	19.30	212	203270	12.63	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.15	264	199188	20.67	ng/ul	0.01
Target Compounds				Qvalue		
4) Naphthalene	10.27	128	28288	1.816	ng/ul#	92
5) 2-Methylnaphthalene	11.90	142	42817	3.928	ng/ul	98
8) Acenaphthylene	13.84	152	126976	8.599	ng/ul	95
14) Phenanthrene	16.93	178	53469	3.494	ng/ul	94
16) Anthracene	17.03	178	254018	16.604	ng/ul	97
17) Fluoranthene	18.97	202	130906	7.535	ng/ul#	99
20) Pyrene	19.33	202	292291	14.516	ng/ul#	96
21) Benzo(a)anthracene	21.15	228	247480	14.617	ng/ul	93
22) Chrysene	21.15	228	247480	15.897	ng/ul	96
27) Benzo(a)pyrene	23.20	252	532371	44.787	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	25.21	276	63919	4.672	ng/ul	97
29) Dibenzo(a,h)anthracene	25.27	278	49895	4.357	ng/ul#	75
30) Benzo(a,h,i)perylene	26.11	276	418043	38.360	ng/ul	97

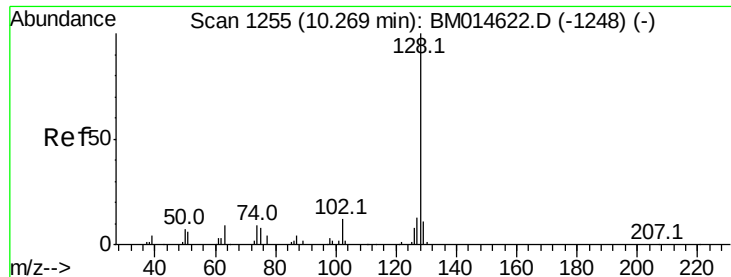
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.816 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. -0.00 min

Lab File: BM014627.D

Acq: 17 Mar 2018 04:10

Instrument :

BNA_M

ClientSampleId :

BE8K7

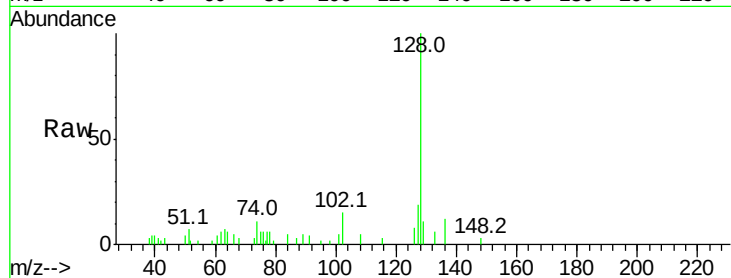
Tot Ion:128 Resp: 28288

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 19.2 10.6 16.0#



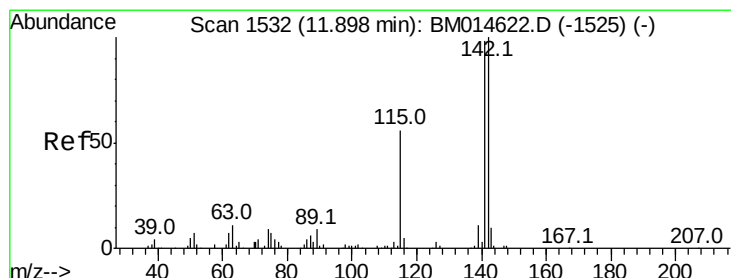
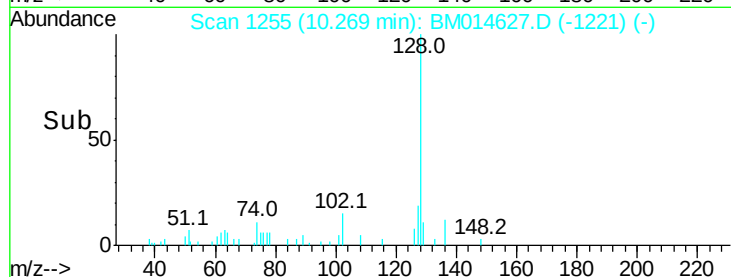
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.27

Time-->



#5

2-Methylnaphthalene

Concen: 3.928 ng/ul

RT: 11.90 min Scan# 1533

Delta R.T. 0.01 min

Lab File: BM014627.D

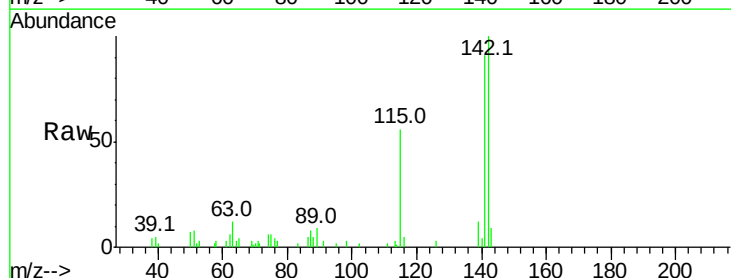
Acq: 17 Mar 2018 04:10

Tgt Ion:142 Resp: 42817

Ion Ratio Lower Upper

142 100

141 90.6 74.1 111.1

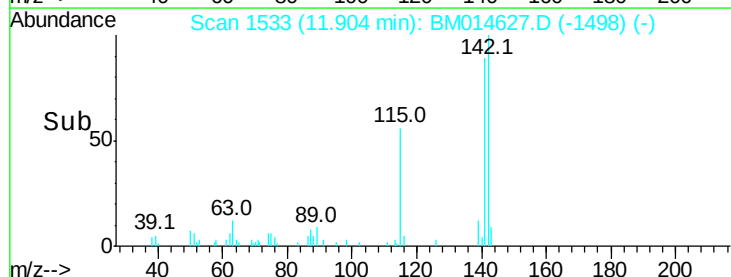


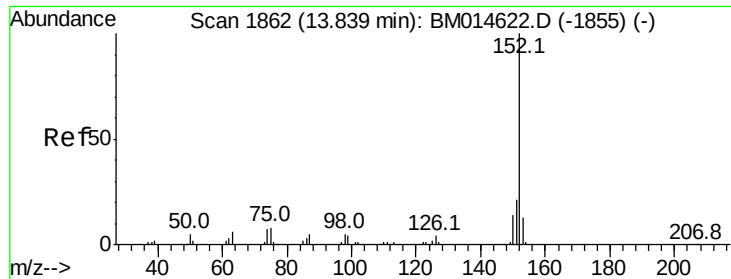
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.90

Time-->





#8

Acenaphthylene

Concen: 8.599 ng/ul

RT: 13.84 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM014627.D

Acq: 17 Mar 2018 04:10

Instrument :

BNA_M

ClientSampleId :

BE8K7

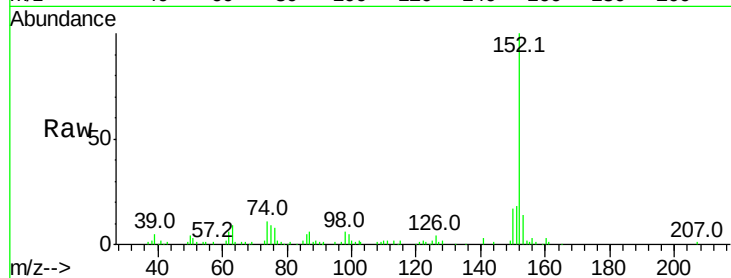
Tot Ion:152 Resp: 126976

Ion Ratio Lower Upper

152 100

151 17.6 16.3 24.5

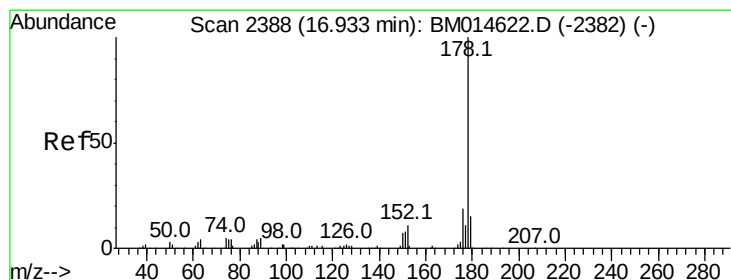
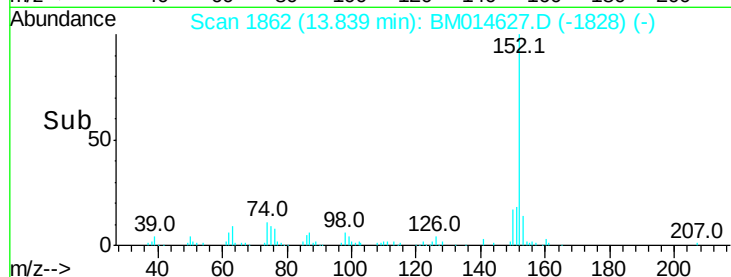
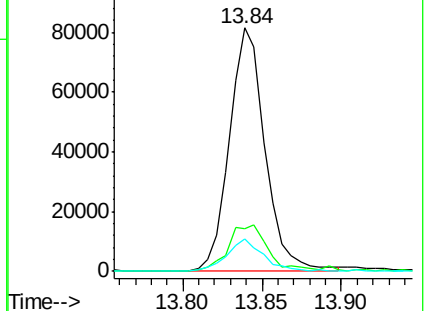
153 13.6 10.2 15.4



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



#14

Phenanthrene

Concen: 3.494 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM014627.D

Acq: 17 Mar 2018 04:10

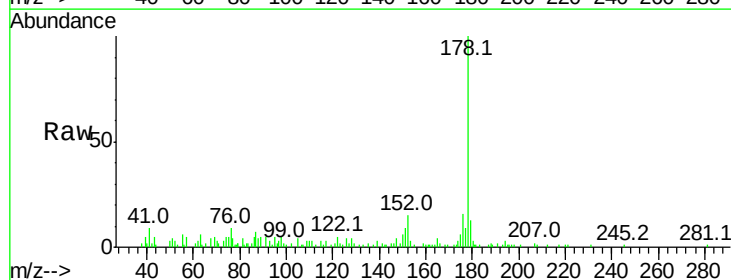
Tgt Ion:178 Resp: 53469

Ion Ratio Lower Upper

178 100

179 13.1 12.6 19.0

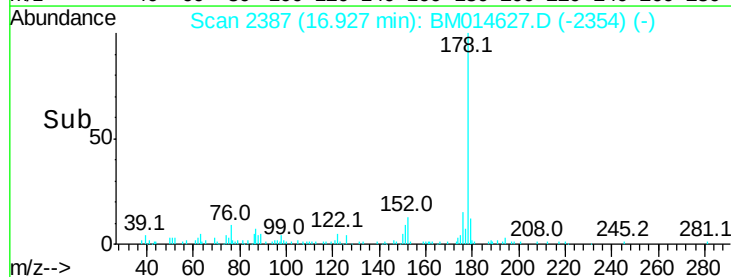
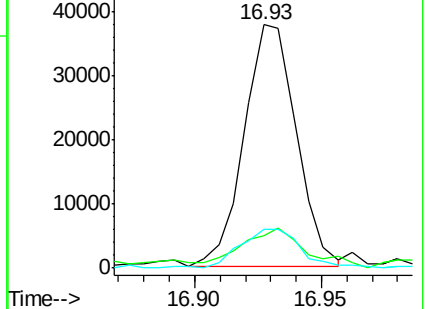
176 16.0 14.9 22.3

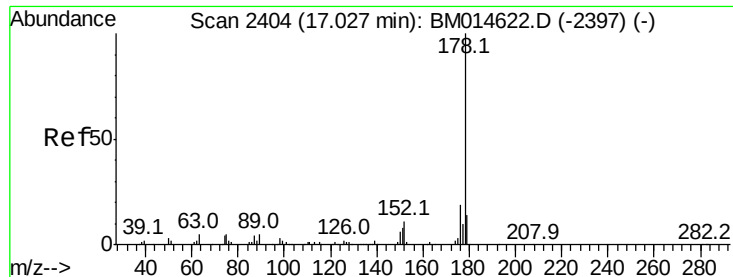


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Anthracene

Concen: 16.604 ng/ul

RT: 17.03 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BM014627.D

Acq: 17 Mar 2018 04:10

Instrument :

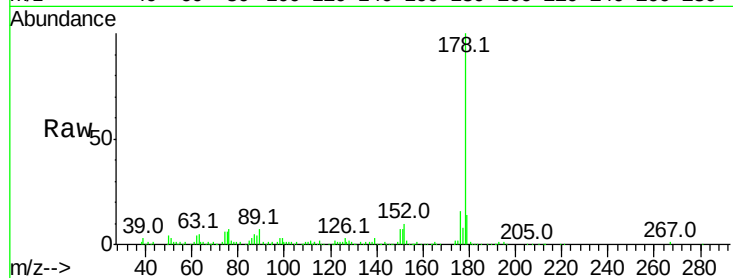
BNA_M

ClientSampleId :

BE8K7

Tot Ion:178 Resp: 254018

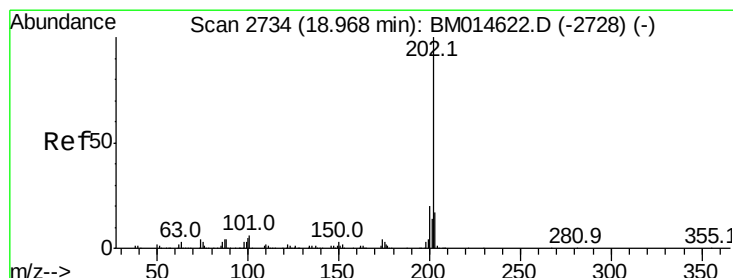
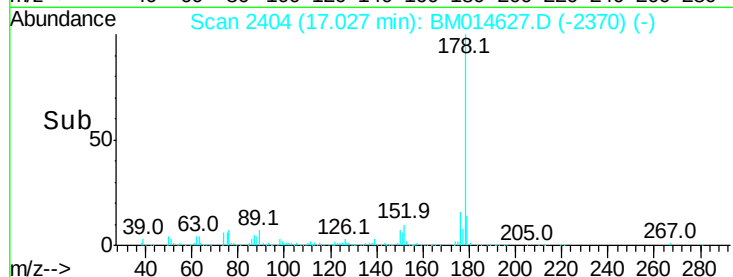
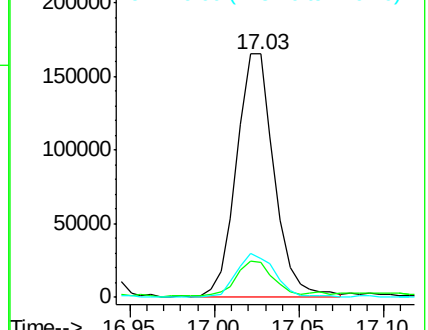
Ion	Ratio	Lower	Upper
178	100		
179	14.5	11.7	17.5
176	16.1	14.6	21.8



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: 7.535 ng/ul

RT: 18.97 min Scan# 2734

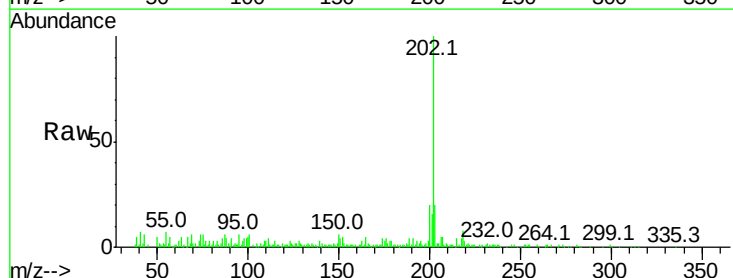
Delta R.T. -0.00 min

Lab File: BM014627.D

Acq: 17 Mar 2018 04:10

Tgt Ion:202 Resp: 130906

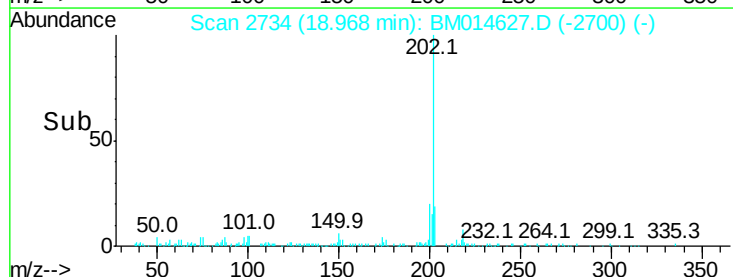
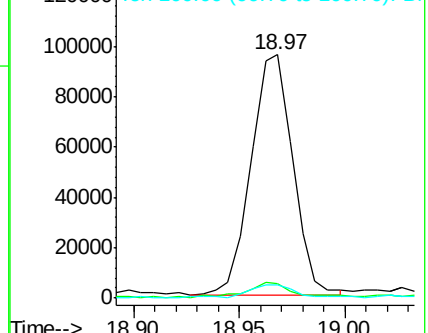
Ion	Ratio	Lower	Upper
202	100		
101	5.8	4.6	7.0
100	5.2	3.4	5.2#

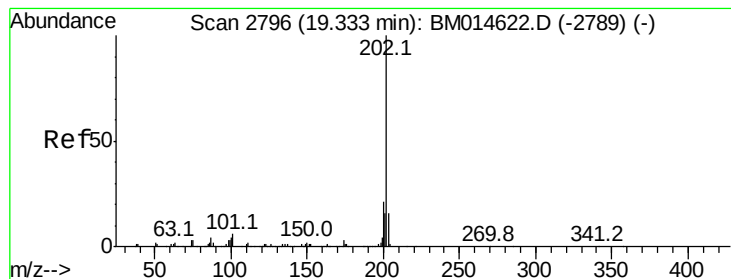


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Pvrene

Concen: 14.516 ng/ul

RT: 19.33 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BM014627.D

Acq: 17 Mar 2018 04:10

Instrument :

BNA_M

ClientSampleId :

BE8K7

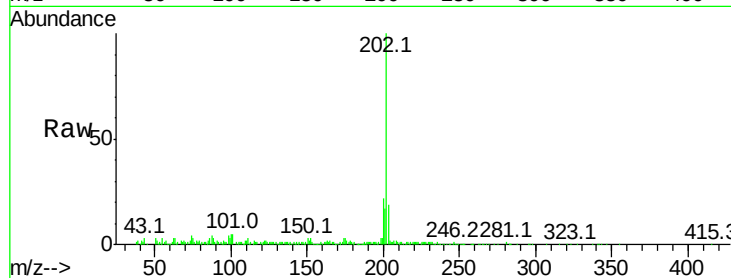
Tot Ion:202 Resp: 292291

Ion Ratio Lower Upper

202 100

101 5.1 5.1 7.7#

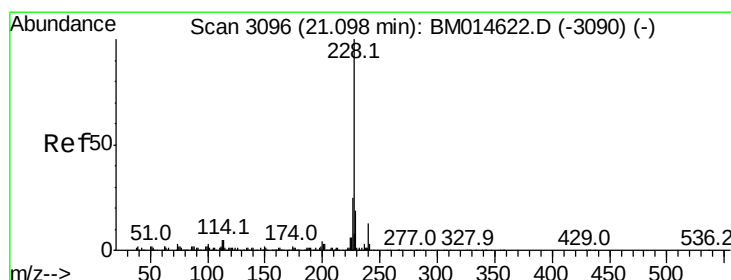
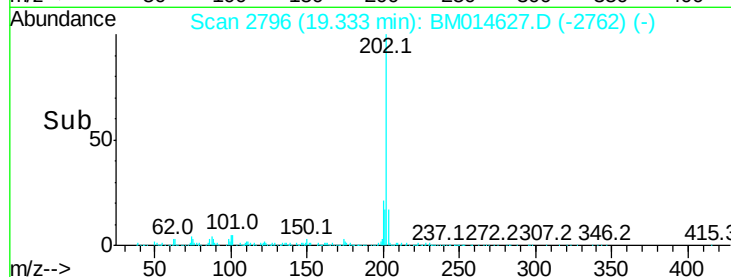
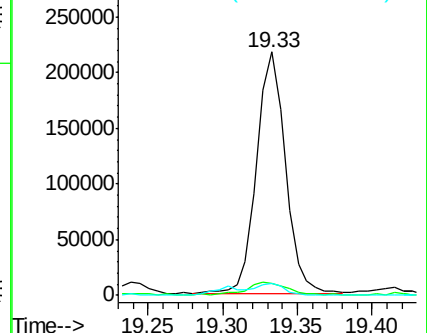
100 5.0 4.9 7.3



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: 14.617 ng/ul

RT: 21.15 min Scan# 3105

Delta R.T. 0.05 min

Lab File: BM014627.D

Acq: 17 Mar 2018 04:10

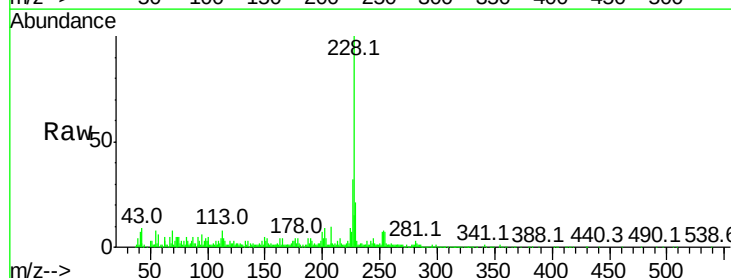
Tgt Ion:228 Resp: 247480

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.0

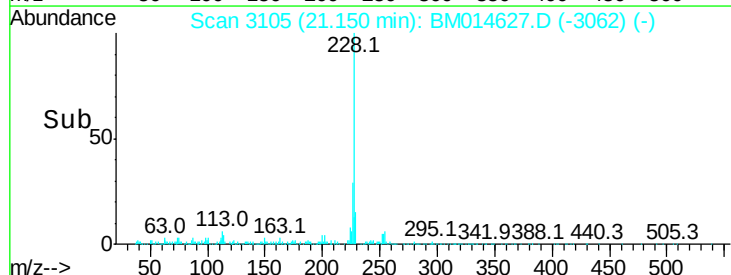
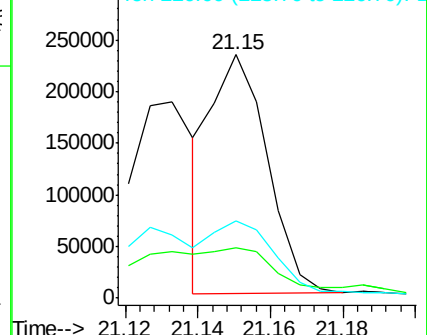
226 31.9 21.4 32.0

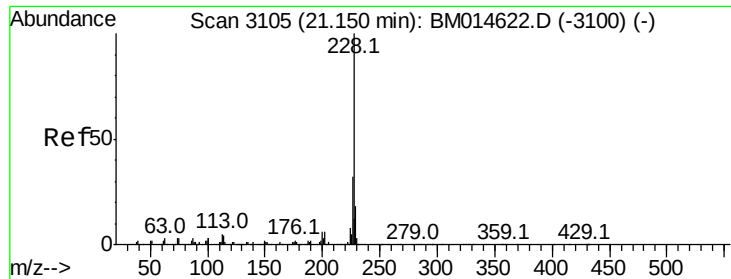


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 15.897 ng/ul

RT: 21.15 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BM014627.D

Acq: 17 Mar 2018 04:10

Instrument :

BNA_M

ClientSampleId :

BE8K7

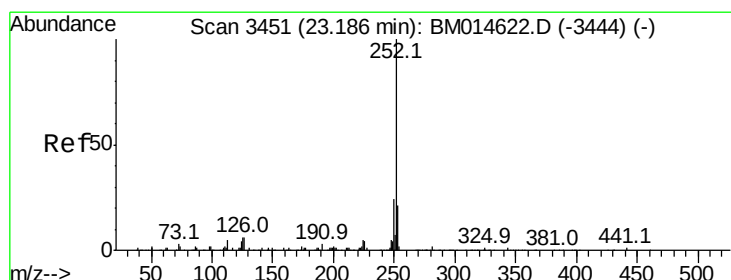
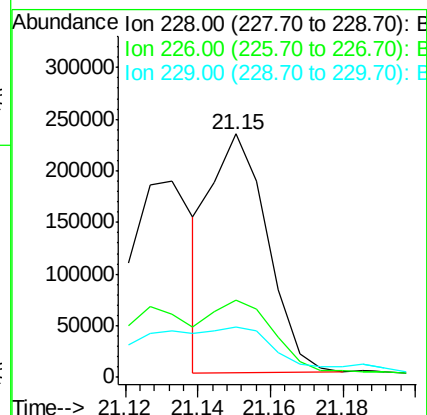
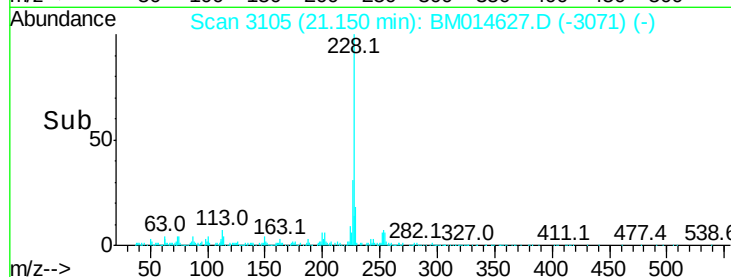
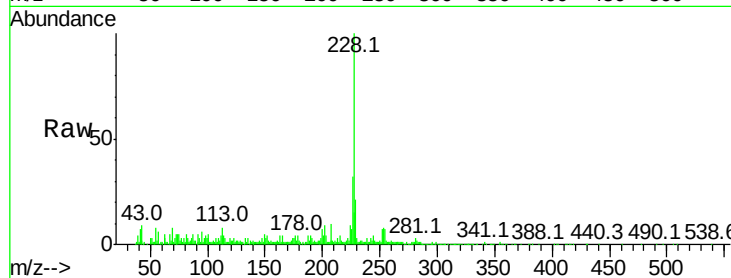
Tot Ion:228 Resp: 247480

Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.2

229 20.6 15.5 23.3



#27

Benzo(a)pyrene

Concen: 44.787 ng/ul

RT: 23.20 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BM014627.D

Acq: 17 Mar 2018 04:10

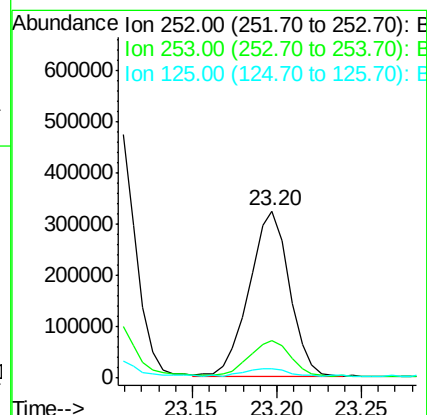
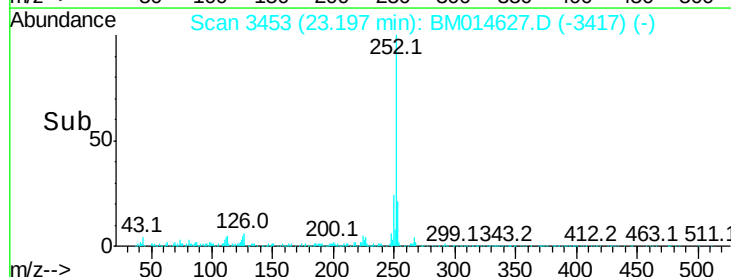
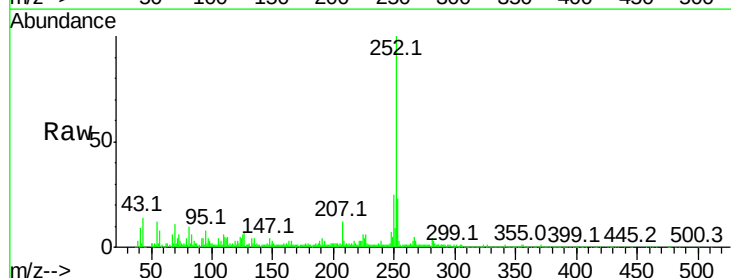
Tgt Ion:252 Resp: 532371

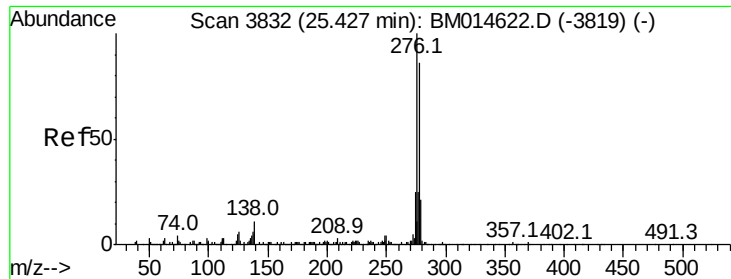
Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

125 5.7 4.0 6.0



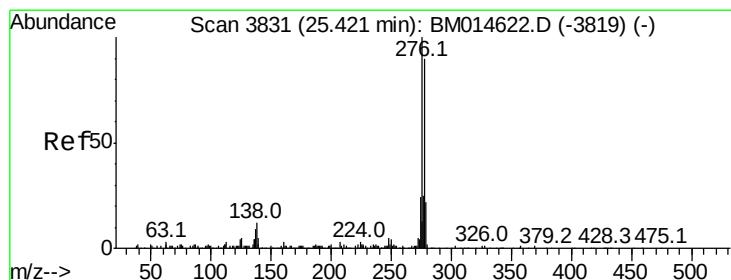
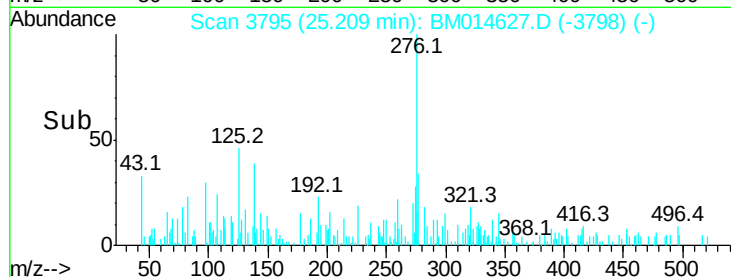
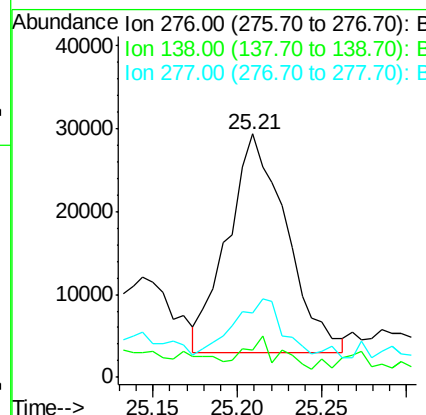
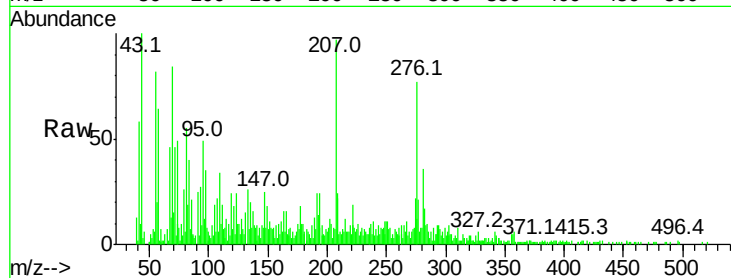


#28

Indeno(1,2,3-cd)pyrene
Concen: 4.672 ng/ul
RT: 25.21 min Scan# 3795
Delta R.T. -0.22 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Instrument :
BNA_M
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BE8K7

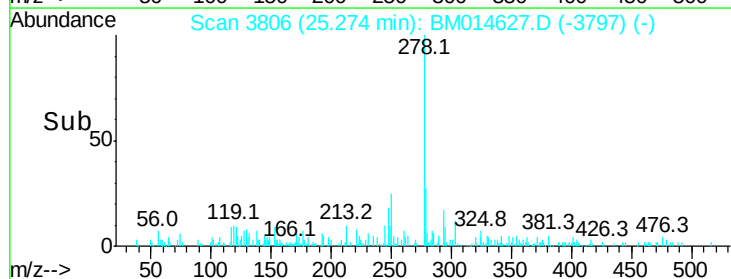
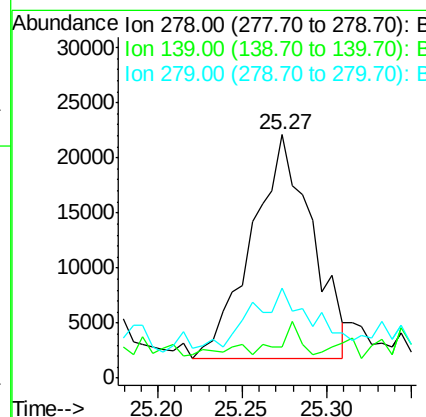
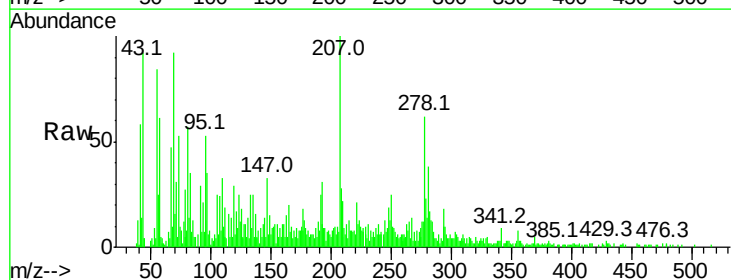
Tot Ion	Ratio	Lower	Upper
276	100		
138	11.4	9.3	13.9
277	26.6	19.9	29.9

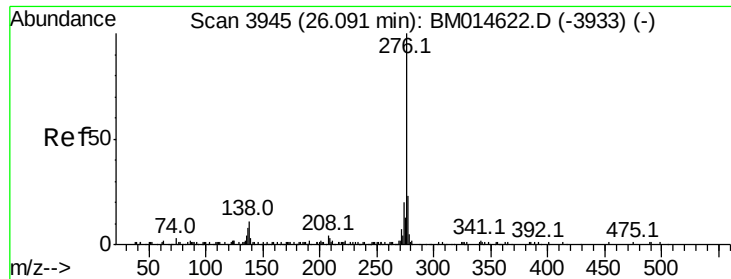


#29

Dibenzo(a,h)anthracene
Concen: 4.357 ng/ul
RT: 25.27 min Scan# 3806
Delta R.T. -0.15 min
Lab File: BM014627.D
Acq: 17 Mar 2018 04:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.8	5.8	8.8#
279	36.8	18.6	27.8#





#30

Benzo(a,h,i)perylene

Concen: 38.360 ng/ul

RT: 26.11 min Scan# 3949

Delta R.T. 0.02 min

Lab File: BM014627.D

Acq: 17 Mar 2018 04:10

Instrument :

BNA_M

ClientSampleId :

BE8K7

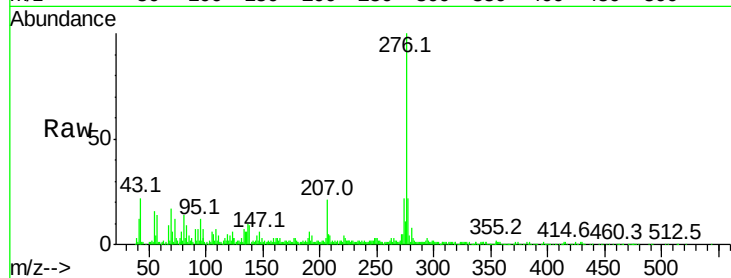
Tot Ion:276 Resp: 418043

Ion Ratio Lower Upper

276 100

138 9.2 8.5 12.7

277 22.2 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

