

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
 Data File : BM014822.D
 Acq On : 24 Apr 2018 22:39
 Operator : SJ/JU
 Sample : J2431-12DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 25 02:09:12 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 25 02:07:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	492194	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	2199191	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	1236876	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	2734608	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	2961133	20.00	ng/ul	0.00
83) Perylene-d12	24.41	264	2787840	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	4505	0.40	ng/uL	0.01
5) Phenol-d5	7.65	99	65156	1.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.82	67	50260	2.06	ng/ul	0.00
9) 2-Chlorophenol-d4	8.04	132	52442	1.65	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	49892	1.64	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	24983	1.57	ng/ul	0.00
22) 2-Nitrophenol-d4	10.43	143	21933	1.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	44824	1.39	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	57596	1.81	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	168437	1.74	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	169345	1.42	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	13587	0.76	ng/ul	0.00
57) Fluorene-d10	16.10	176	158203	1.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	9885	0.67	ng/ul	0.00
70) Anthracene-d10	17.94	188	224680	1.76	ng/ul	0.00
76) Pyrene-d10	20.17	212	263026	1.88	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.25	264	261438	1.91	ng/ul	0.00

Target Compounds

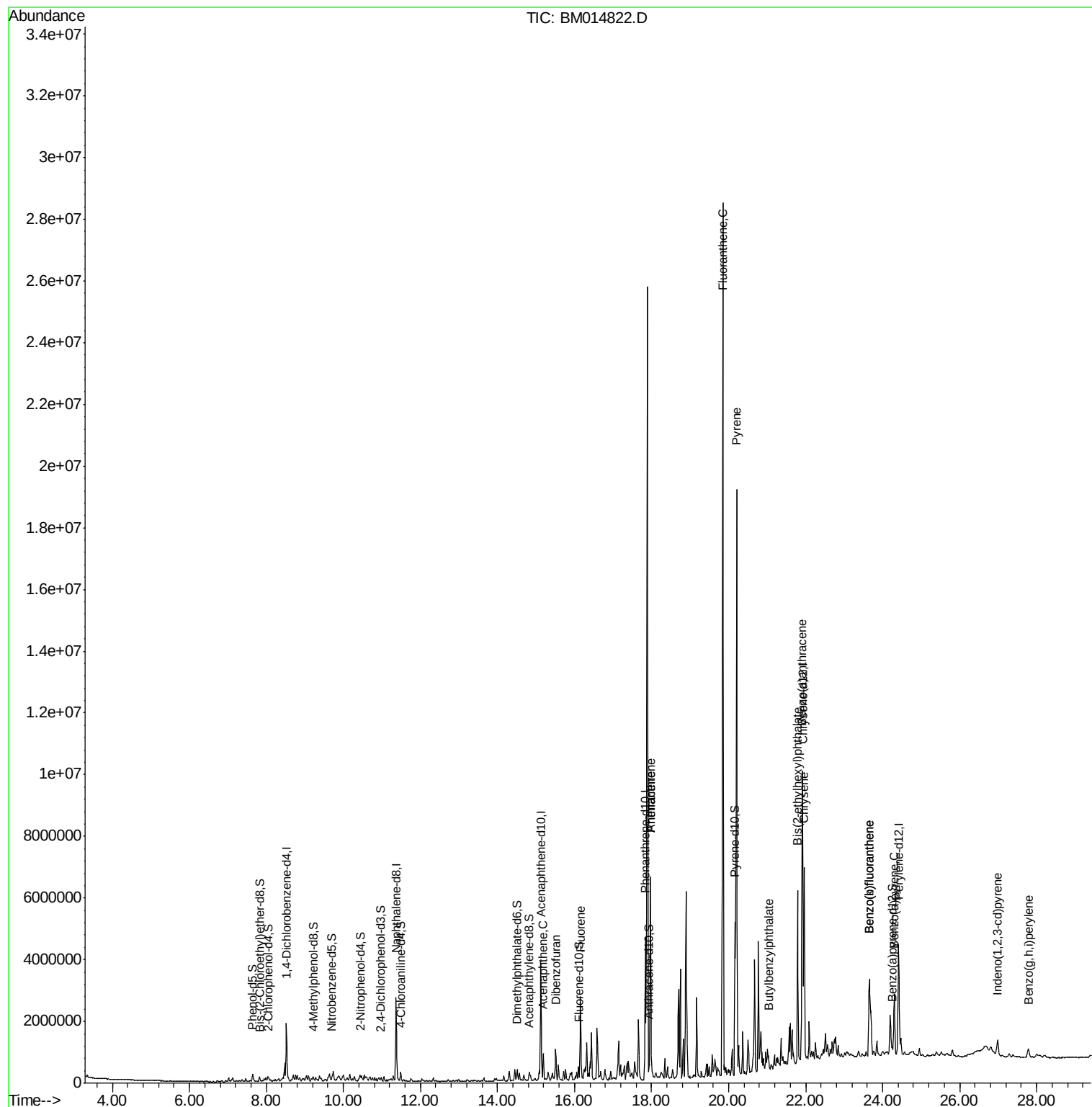
					Ovalue	
49) Acenaphthene	15.19	153	288507	3.515	ng/ul	96
53) Dibenzofuran	15.52	168	487800	4.279	ng/ul	100
58) Fluorene	16.16	166	1126084	12.234	ng/ul	98
69) Phenanthrene	17.97	178	3857928	26.269	ng/ul	99
71) Anthracene	17.97	178	3857928	25.885	ng/ul	98
74) Fluoranthene	19.84	202	14926515	93.223	ng/ul#	76
77) Pyrene	20.21	202	12174797	70.369	ng/ul#	80
78) Butylbenzylphthalate	21.04	149	77742	1.101	ng/ul	92
80) Benzo(a)anthracene	21.91	228	4310465	24.893	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.79	149	1811883	17.488	ng/ul#	96
82) Chrysene	21.96	228	3377553	20.836	ng/ul	97
85) Benzo(b)fluoranthene	23.66	252	2556882	15.558	ng/ul#	96
86) Benzo(k)fluoranthene	23.66	252	2556882	16.180	ng/ul#	94
88) Benzo(a)pyrene	24.30	252	1501720	9.633	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.99	276	453601	2.405	ng/ul#	90
91) Benzo(g,h,i)perylene	27.78	276	345421	2.226	ng/ul#	89

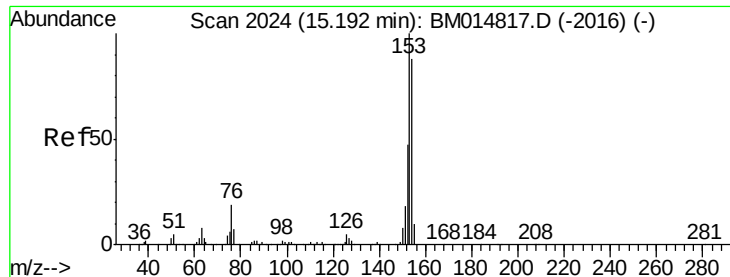
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 25 02:07:23 2018
Response via : Initial Calibration





#49

Acenaphthene

Concen: 3.515 ng/ul

RT: 15.19 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BM014822.D

Acq: 24 Apr 2018 22:39

Instrument :

BNA_M

ClientSampleId :

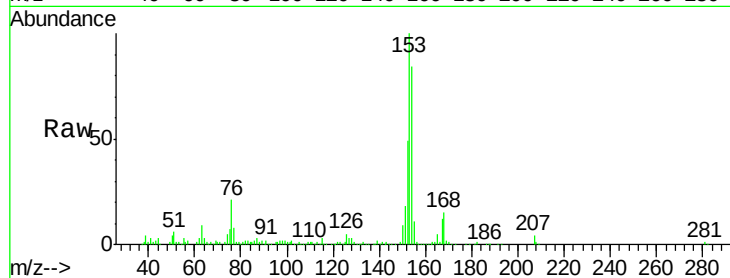
Tot Ion:153 Resp: 288507

Ion Ratio Lower Upper

153 100

152 48.5 37.6 56.4

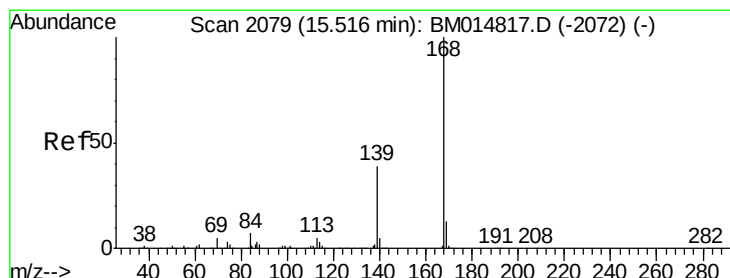
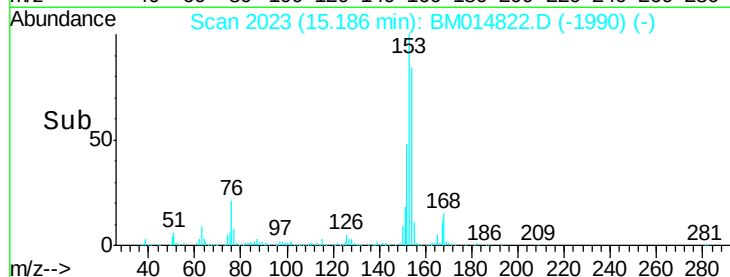
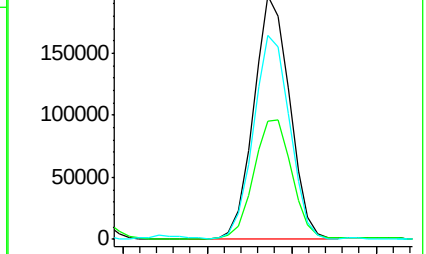
154 83.7 70.4 105.6



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



#53

Dibenzofuran

Concen: 4.279 ng/ul

RT: 15.52 min Scan# 2079

Delta R.T. 0.00 min

Lab File: BM014822.D

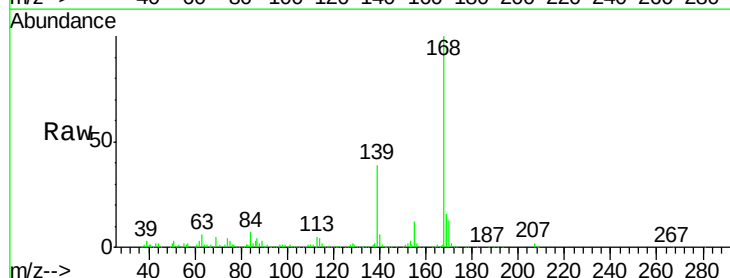
Acq: 24 Apr 2018 22:39

Tgt Ion:168 Resp: 487800

Ion Ratio Lower Upper

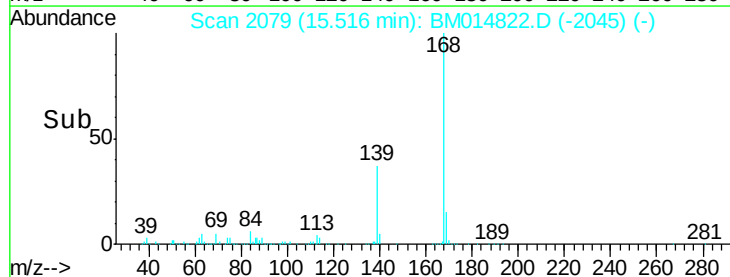
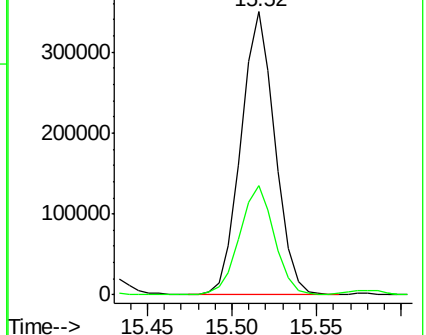
168 100

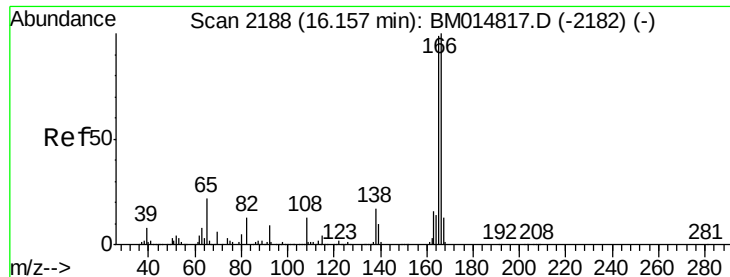
139 38.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 12.234 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BM014822.D

Acq: 24 Apr 2018 22:39

Instrument :

BNA_M

ClientSampled :

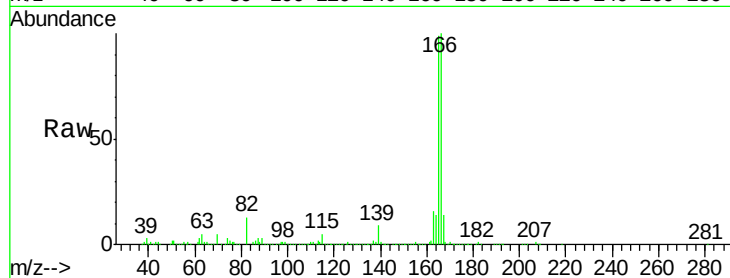
Tot Ion:166 Resp: 1126084

Ion Ratio Lower Upper

166 100

165 99.0 77.9 116.9

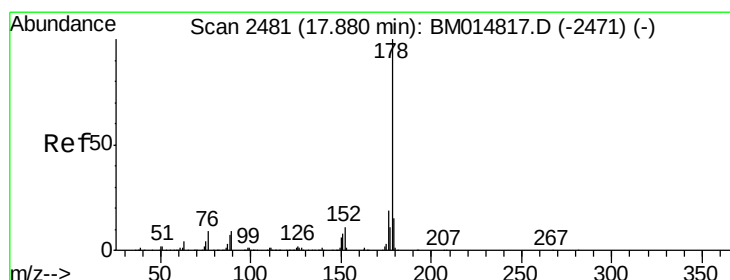
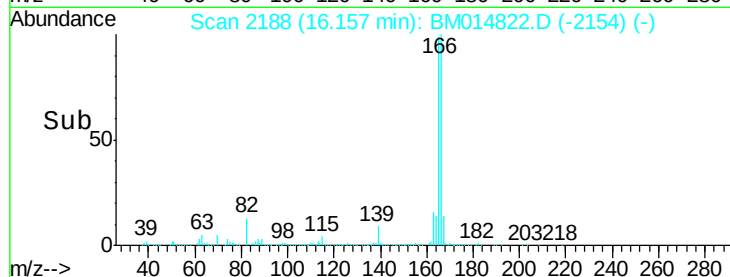
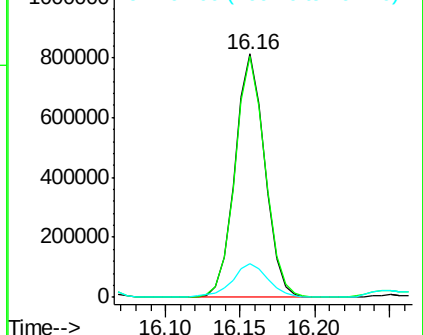
167 13.8 10.6 16.0



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



#69

Phenanthrene

Concen: 26.269 ng/ul

RT: 17.97 min Scan# 2497

Delta R.T. 0.09 min

Lab File: BM014822.D

Acq: 24 Apr 2018 22:39

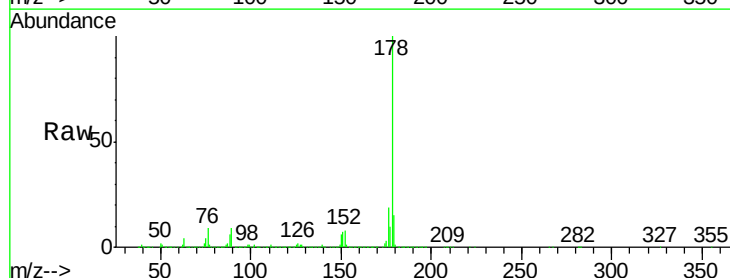
Tgt Ion:178 Resp: 3857928

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

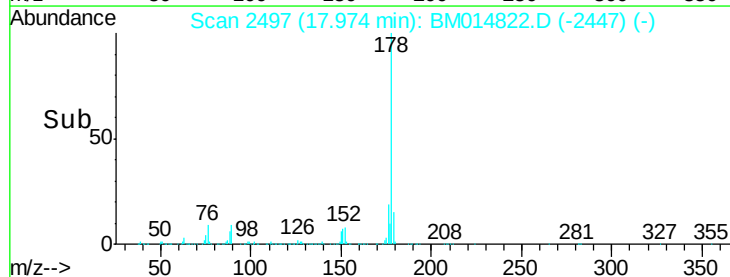
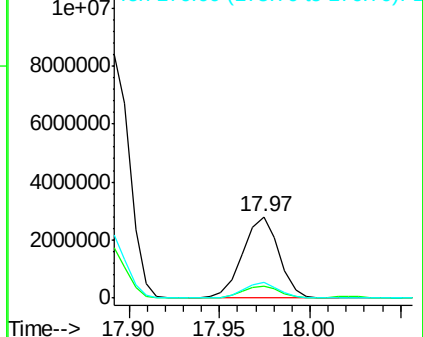
176 18.7 14.9 22.3

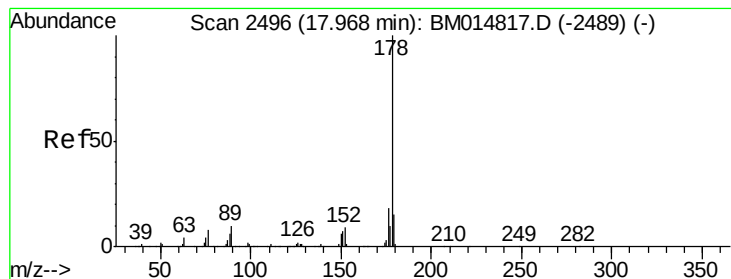


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 25.885 ng/ul

RT: 17.97 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BM014822.D

Acq: 24 Apr 2018 22:39

Instrument :

BNA_M

ClientSampled :

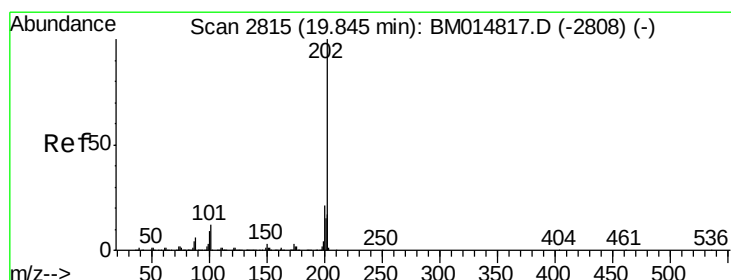
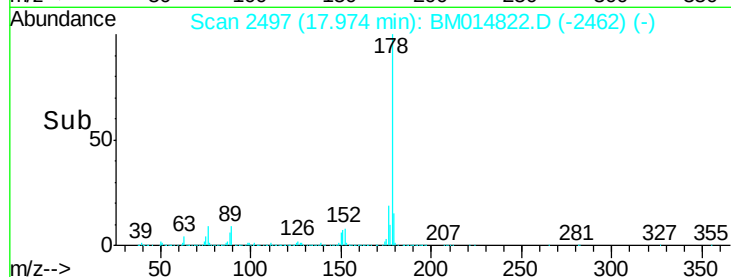
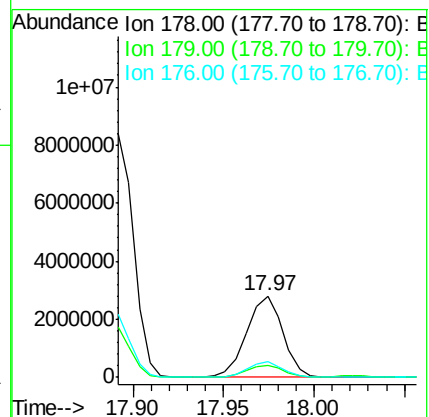
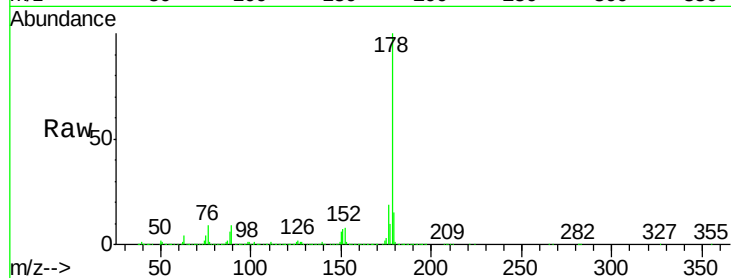
Tot Ion:178 Resp: 3857928

Ion Ratio Lower Upper

178 100

179 15.4 11.7 17.5

176 18.7 14.6 21.8



#74

Fluoranthene

Concen: 93.223 ng/ul

RT: 19.84 min Scan# 2815

Delta R.T. 0.00 min

Lab File: BM014822.D

Acq: 24 Apr 2018 22:39

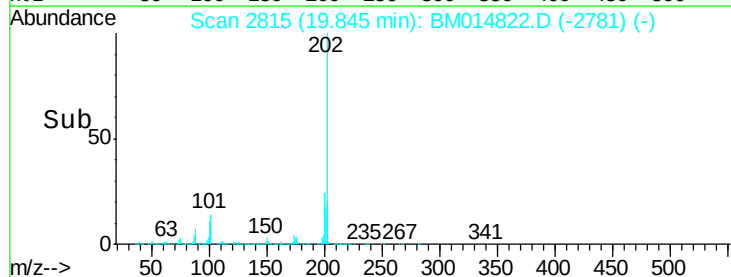
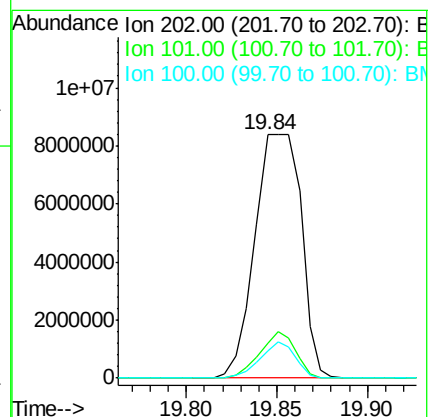
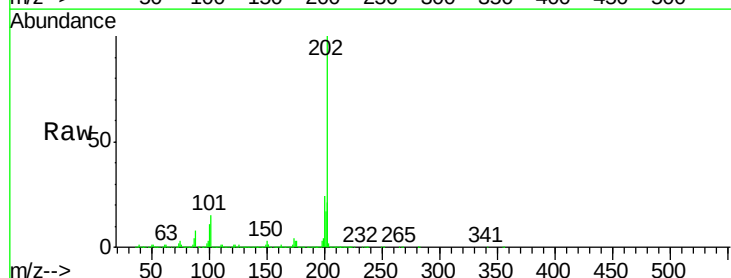
Tgt Ion:202 Resp:14926515

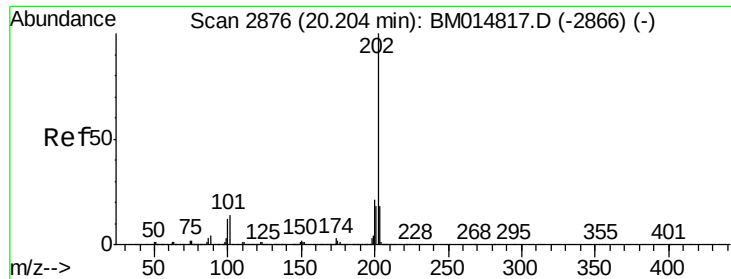
Ion Ratio Lower Upper

202 100

101 14.6 4.6 7.0#

100 11.2 3.4 5.2#





#77

Pvrene

Concen: 70.369 ng/ul

RT: 20.21 min Scan# 2877

Delta R.T. 0.01 min

Lab File: BM014822.D

Acq: 24 Apr 2018 22:39

Instrument :

BNA_M

ClientSampleId :

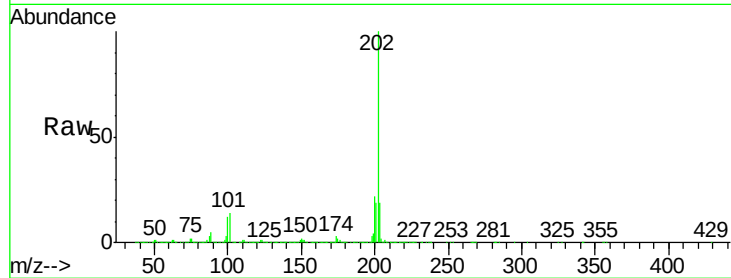
Tot Ion:202 Resp:12174797

Ion Ratio Lower Upper

202 100

101 14.3 5.1 7.7#

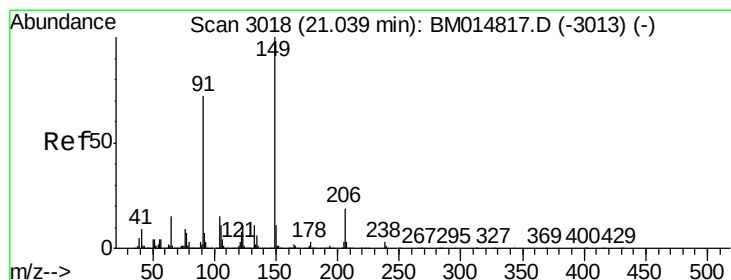
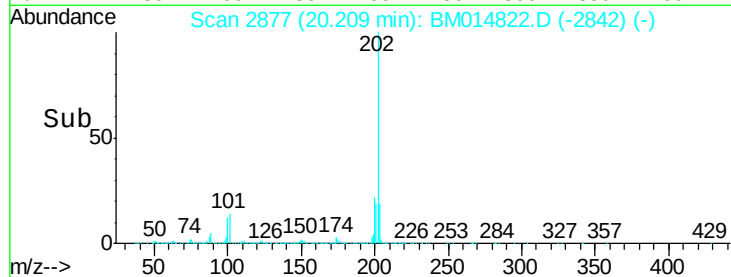
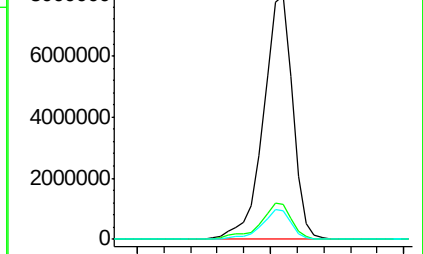
100 11.8 4.9 7.3#



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



#78

Butylbenzylphthalate

Concen: 1.101 ng/ul

RT: 21.04 min Scan# 3018

Delta R.T. -0.00 min

Lab File: BM014822.D

Acq: 24 Apr 2018 22:39

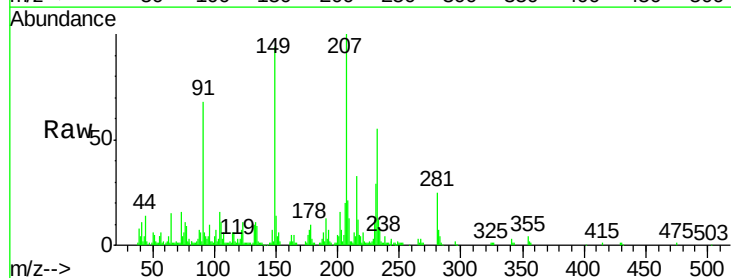
Tgt Ion:149 Resp: 77742

Ion Ratio Lower Upper

149 100

91 72.4 62.7 94.1

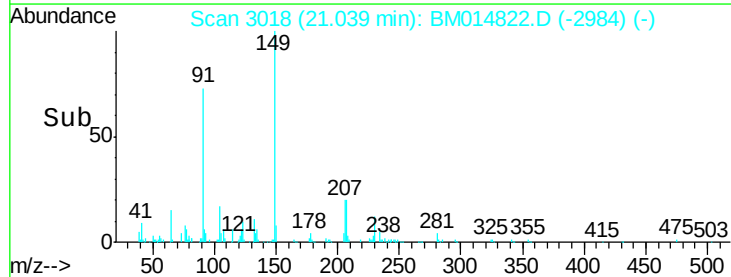
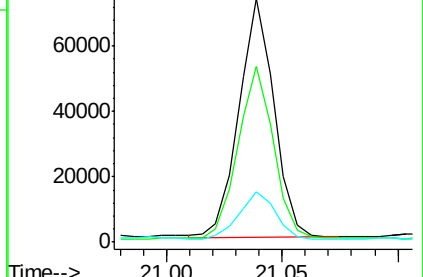
206 20.9 20.8 31.2

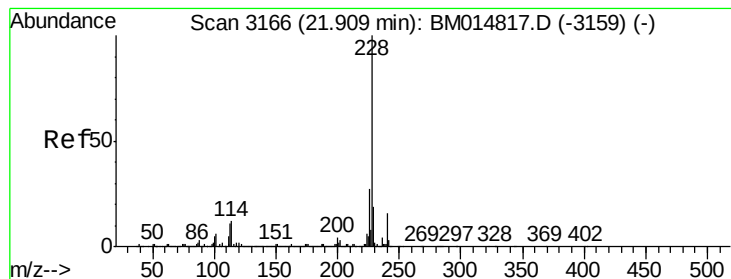


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 24.893 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. 0.00 min

Lab File: BM014822.D

Acq: 24 Apr 2018 22:39

Instrument :

BNA_M

ClientSampleId :

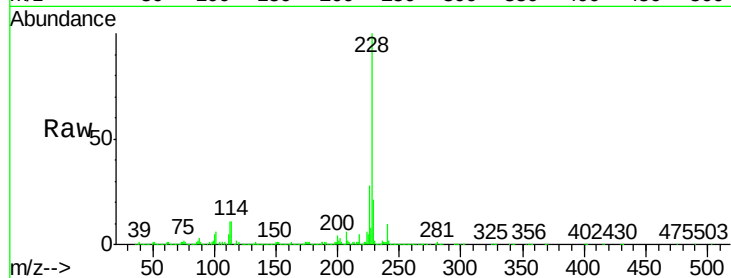
Tot Ion:228 Resp: 4310465

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.0

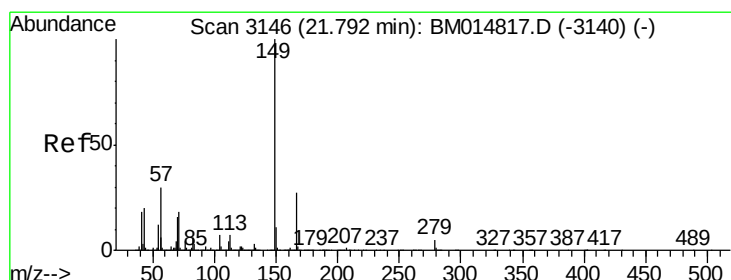
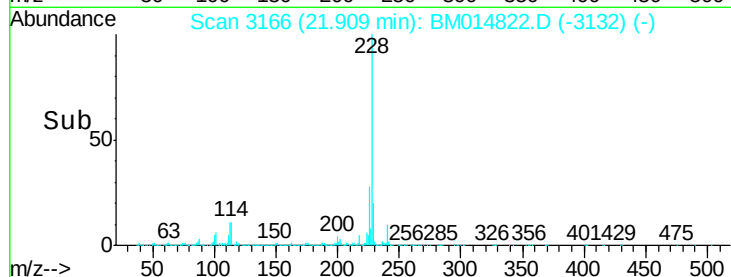
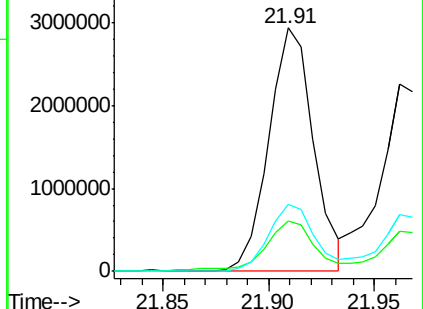
226 27.7 21.4 32.0



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 17.488 ng/ul

RT: 21.79 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BM014822.D

Acq: 24 Apr 2018 22:39

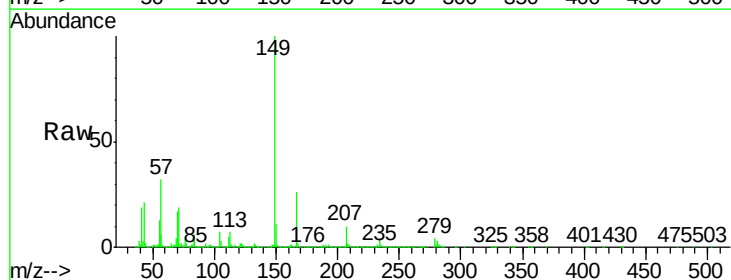
Tgt Ion:149 Resp: 1811883

Ion Ratio Lower Upper

149 100

167 26.5 22.8 34.2

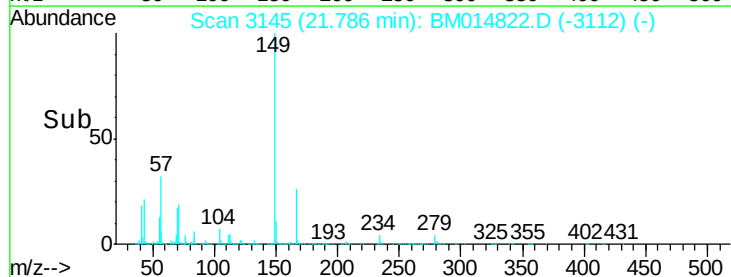
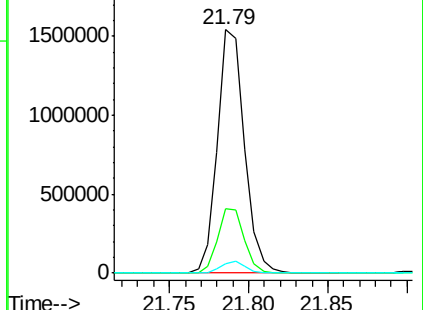
279 4.0 4.9 7.3#

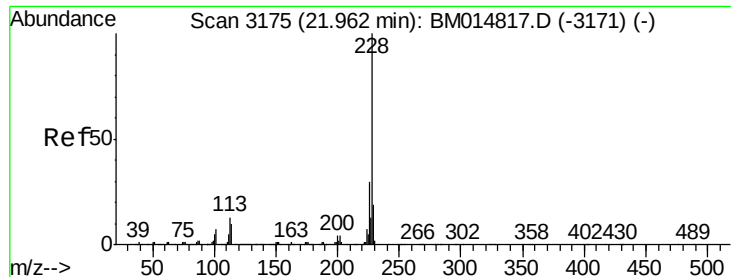


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 20.836 ng/ul

RT: 21.96 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BM014822.D

Acq: 24 Apr 2018 22:39

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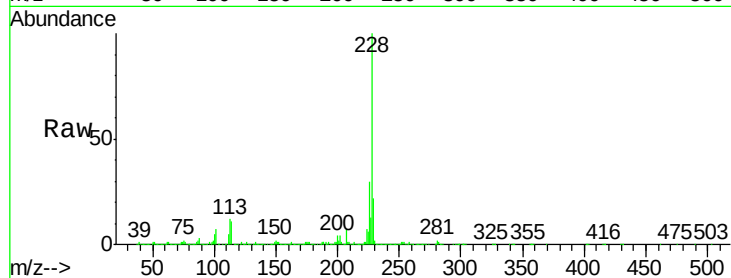
Tot Ion:228 Resp: 3377553

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

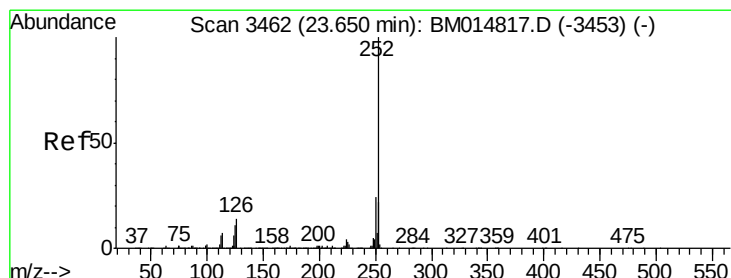
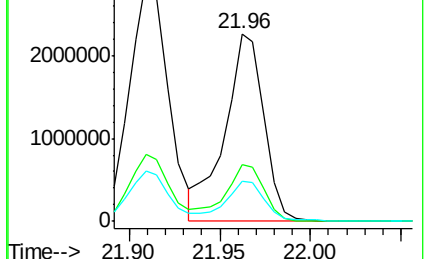
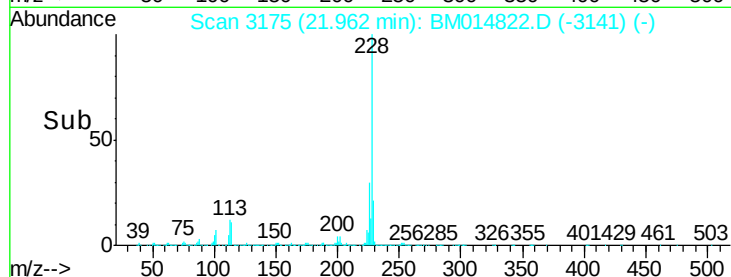
229 21.6 15.5 23.3



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



#85

Benzo(b)fluoranthene

Concen: 15.558 ng/ul

RT: 23.66 min Scan# 3463

Delta R.T. 0.01 min

Lab File: BM014822.D

Acq: 24 Apr 2018 22:39

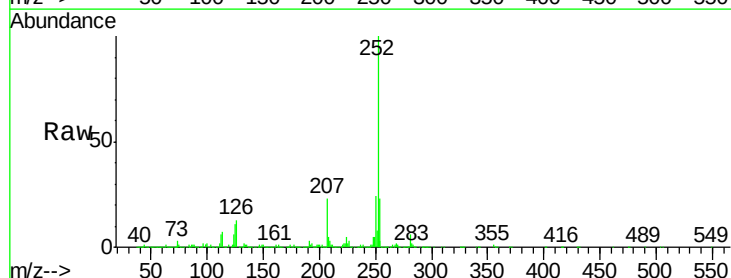
Tgt Ion:252 Resp: 2556882

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

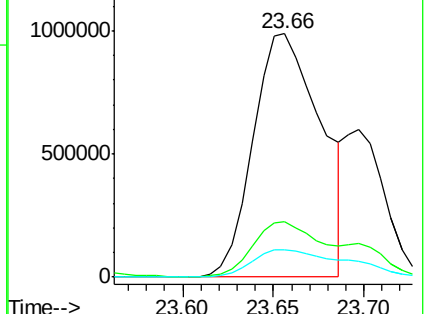
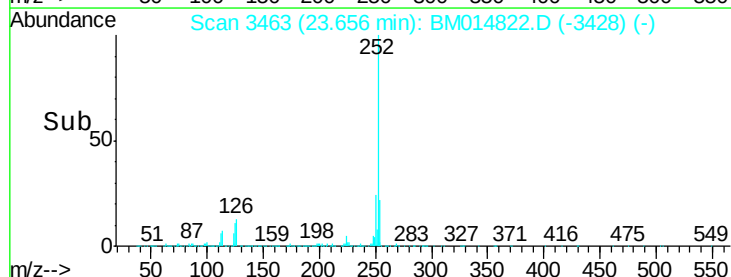
125 11.3 3.6 5.4#

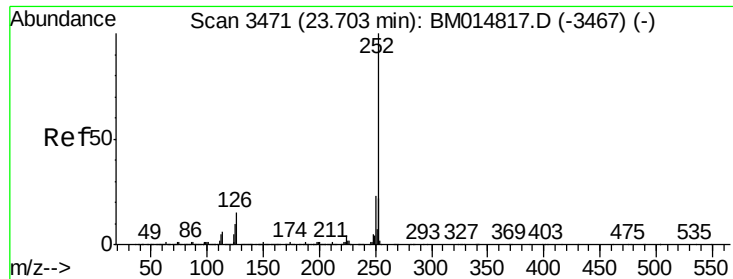


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

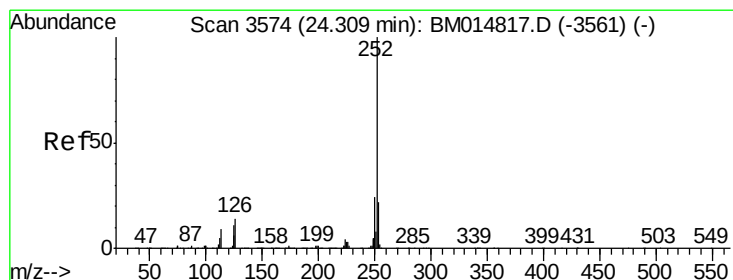
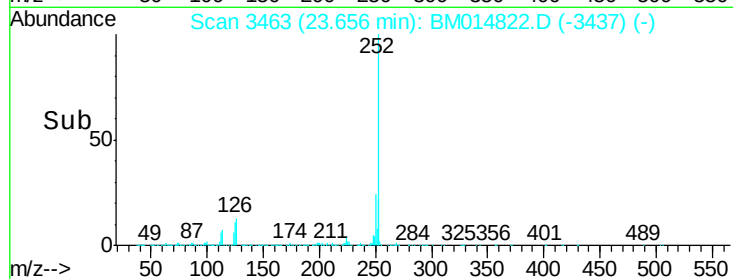
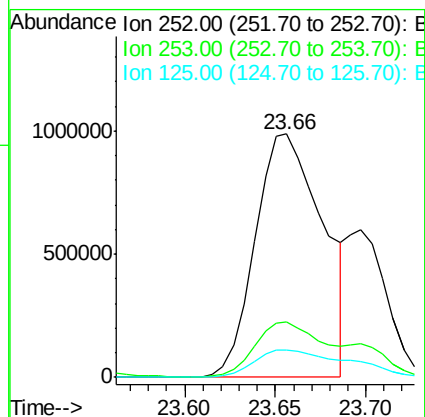
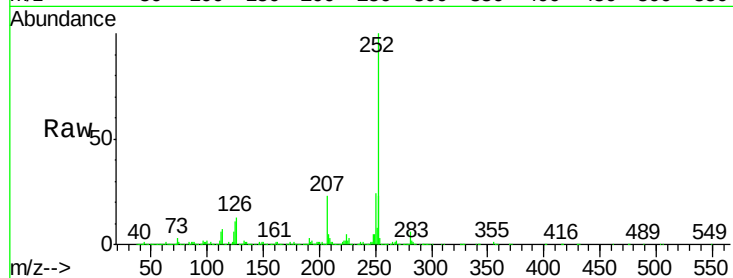




#86
Benzo(k)fluoranthene
Concen: 16.180 ng/ul
RT: 23.66 min Scan# 3463
Delta R.T. -0.05 min
Lab File: BM014822.D
Acq: 24 Apr 2018 22:39

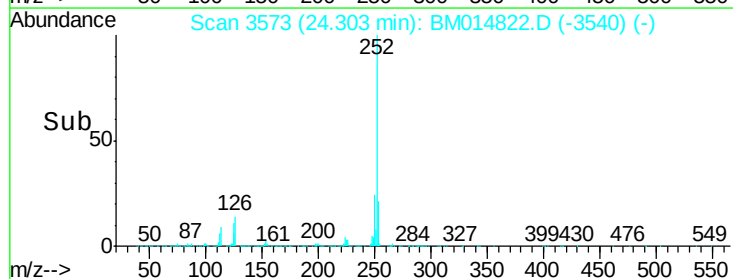
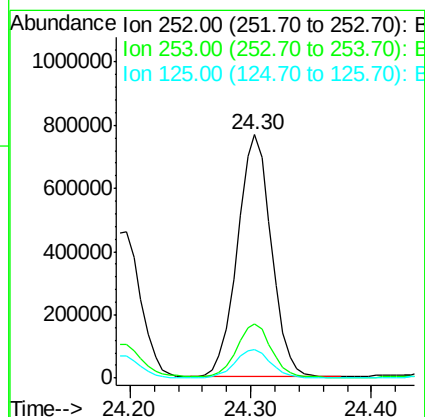
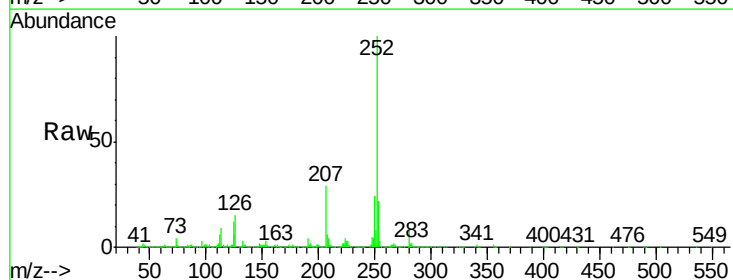
Instrument :
BNA_M
ClientSampleId :

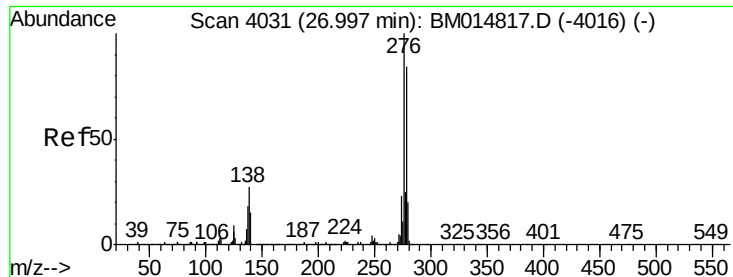
Tot Ion:252 Resp: 2556882
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 11.3 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 9.633 ng/ul
RT: 24.30 min Scan# 3573
Delta R.T. -0.01 min
Lab File: BM014822.D
Acq: 24 Apr 2018 22:39

Tgt Ion:252 Resp: 1501720
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 11.8 4.0 6.0#



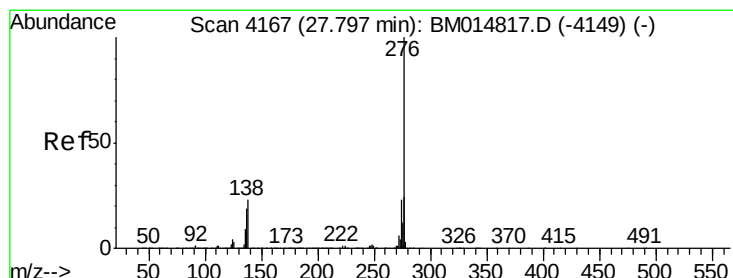
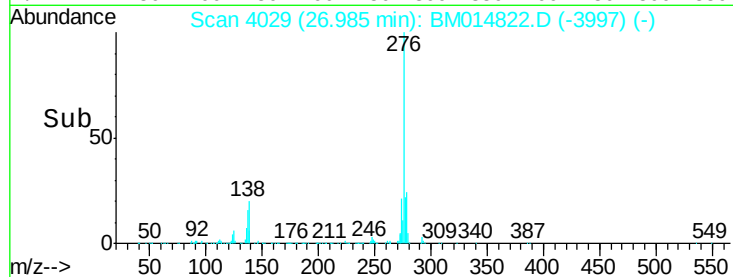
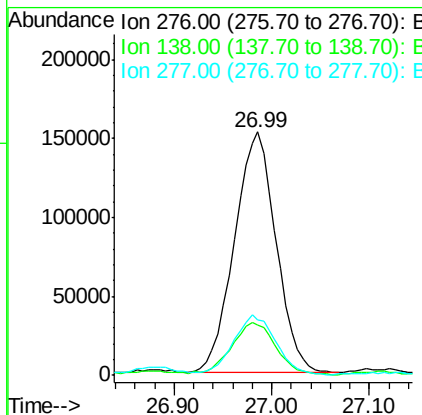
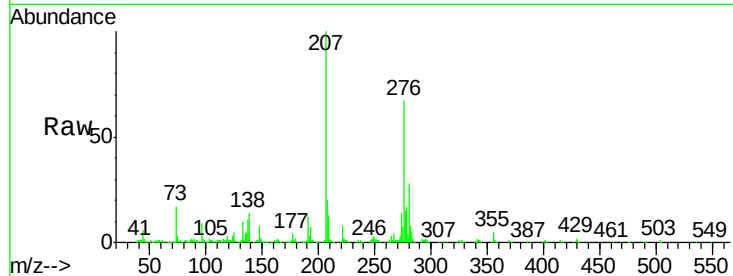


#89

Indeno(1,2,3-cd)pyrene
Concen: 2.405 ng/ul
RT: 26.99 min Scan# 4029
Delta R.T. -0.01 min
Lab File: BM014822.D
Acq: 24 Apr 2018 22:39

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	9.3	13.9#
277	23.0	19.9	29.9



#91

Benzo(g,h,i)perylene
Concen: 2.226 ng/ul
RT: 27.78 min Scan# 4164
Delta R.T. -0.02 min
Lab File: BM014822.D
Acq: 24 Apr 2018 22:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	8.5	12.7#
277	24.5	18.6	28.0

