

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
 Data File : BM014825.D
 Acq On : 25 Apr 2018 00:28
 Operator : SJ/JU
 Sample : J2431-08DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 25 02:10:11 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	424453	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1868209	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	1061486	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	2412785	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	2728309	20.00	ng/ul	0.00
83) Perylene-d12	24.41	264	2842341	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	4828	0.50	ng/uL	0.01
5) Phenol-d5	7.65	99	82598	2.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.82	67	62612	2.98	ng/ul	0.00
9) 2-Chlorophenol-d4	8.04	132	68485	2.49	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	65379	2.50	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	31281	2.32	ng/ul	0.00
22) 2-Nitrophenol-d4	10.43	143	27658	2.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	60007	2.20	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	86729	3.22	ng/ul	0.00
43) Dimethylphthalate-d6	14.51	166	221410	2.67	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	221049	2.16	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	19633	1.28	ng/ul	0.00
57) Fluorene-d10	16.10	176	202300	2.81	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	13420	1.03	ng/ul	0.00
70) Anthracene-d10	17.94	188	286164	2.55	ng/ul	0.00
76) Pyrene-d10	20.17	212	342928	2.66	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.24	264	386717	2.77	ng/ul	-0.01

Target Compounds

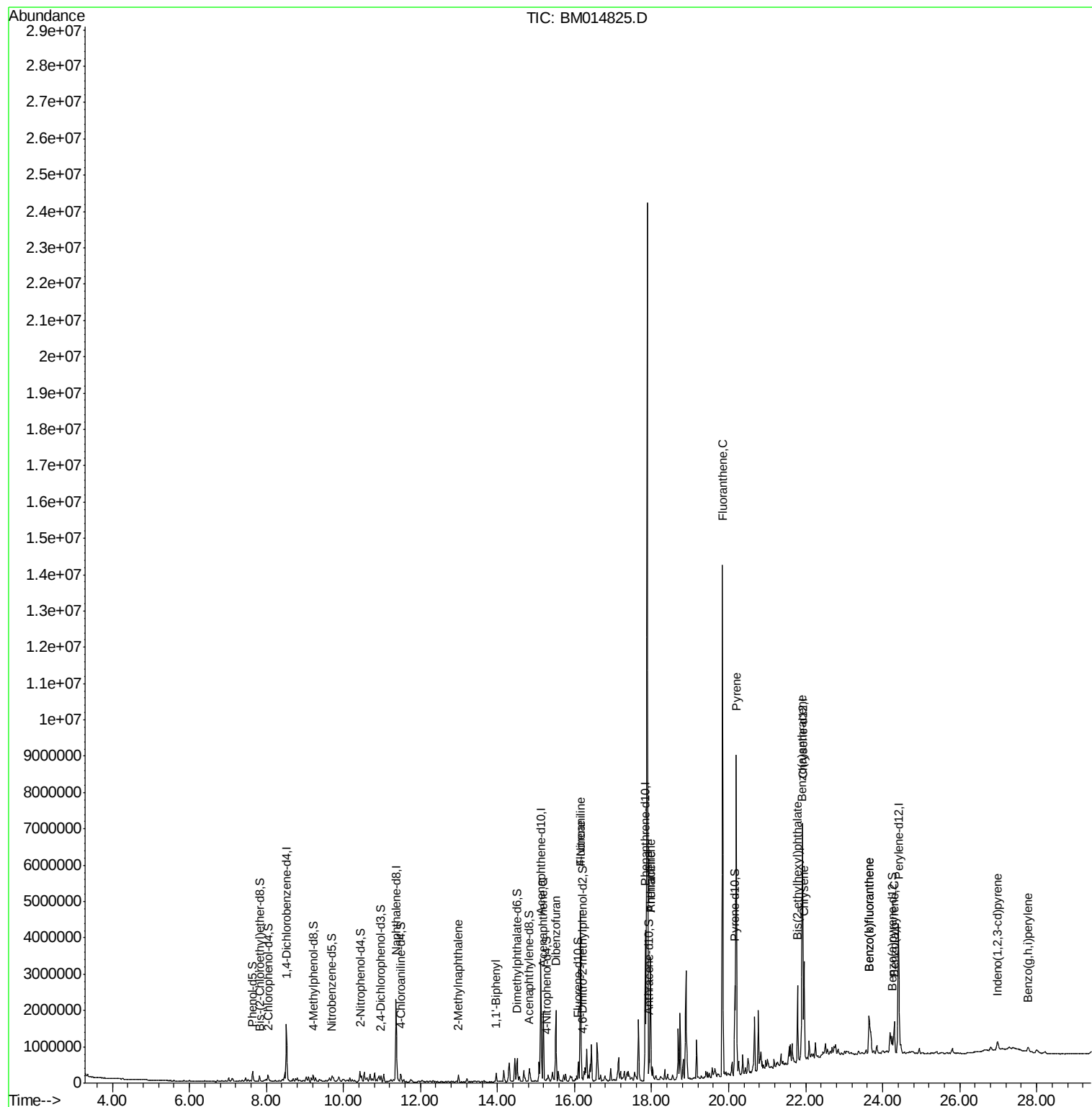
					Ovalue	
34) 2-Methylnaphthalene	12.99	142	84000	1.329	ng/ul	100
40) 1,1'-Biphenyl	13.97	154	115228	1.350	ng/ul#	98
49) Acenaphthene	15.19	153	725304	10.296	ng/ul	99
53) Dibenzofuran	15.52	168	1131841	11.570	ng/ul	100
58) Fluorene	16.16	166	2076518	26.288	ng/ul	99
60) 4-Nitroaniline	16.16	138	23852	1.414	ng/ul#	13
69) Phenanthrene	17.97	178	2027004	15.643	ng/ul	100
71) Anthracene	17.97	178	2027004	15.414	ng/ul	98
74) Fluoranthene	19.84	202	7979165	56.481	ng/ul#	81
77) Pyrene	20.20	202	5506212	34.541	ng/ul#	81
80) Benzo(a)anthracene	21.91	228	1774627	11.123	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.79	149	657670	6.889	ng/ul#	96
82) Chrysene	21.96	228	1418024	9.494	ng/ul	97
85) Benzo(b)fluoranthene	23.65	252	1009327	6.024	ng/ul#	96
86) Benzo(k)fluoranthene	23.65	252	1009327	6.264	ng/ul#	95
88) Benzo(a)pyrene	24.30	252	671906	4.227	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.98	276	222170	1.155	ng/ul#	89
91) Benzo(g,h,i)perylene	27.77	276	158234	1.000	ng/ul#	90

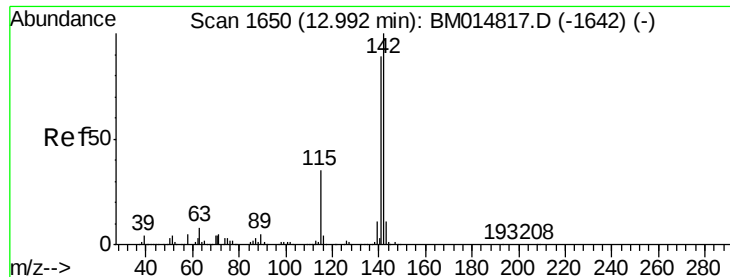
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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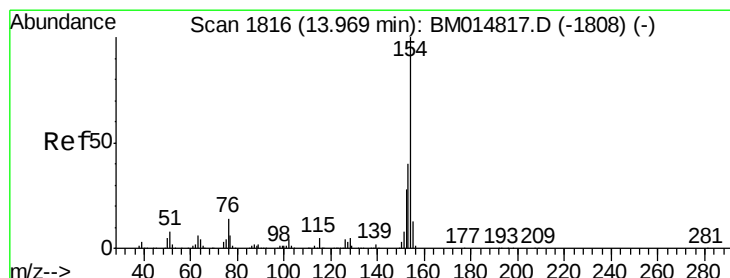
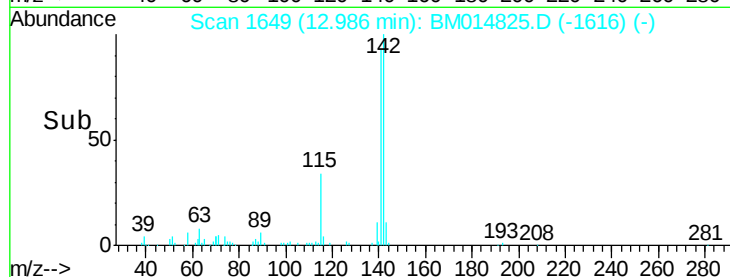
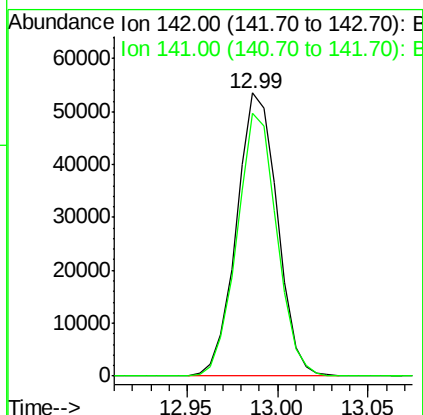
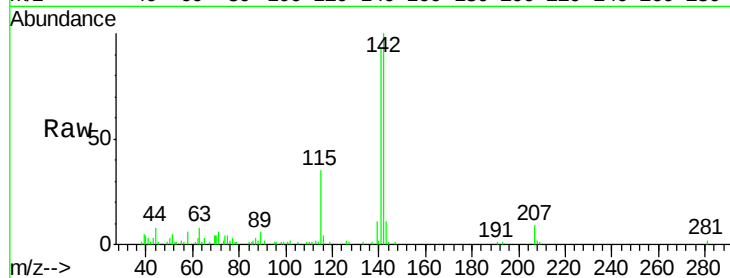




#34
 2-Methylnaphthalene
 Concen: 1.329 ng/ul
 RT: 12.99 min Scan# 1649
 Delta R.T. -0.01 min
 Lab File: BM014825.D
 Acq: 25 Apr 2018 00:28

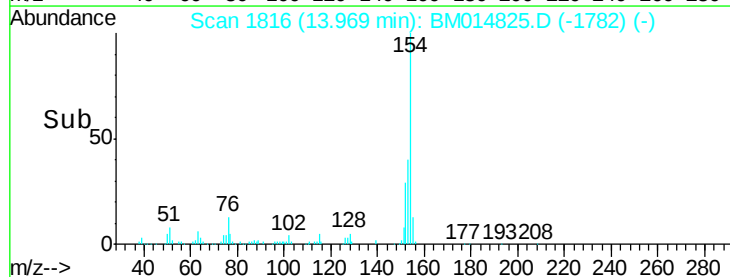
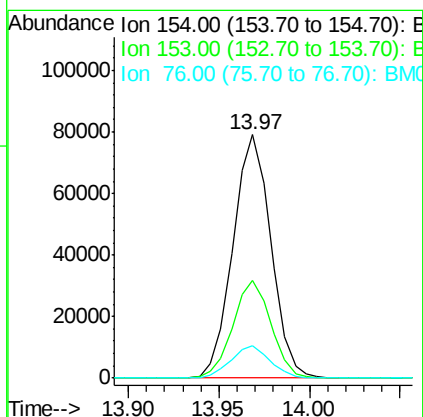
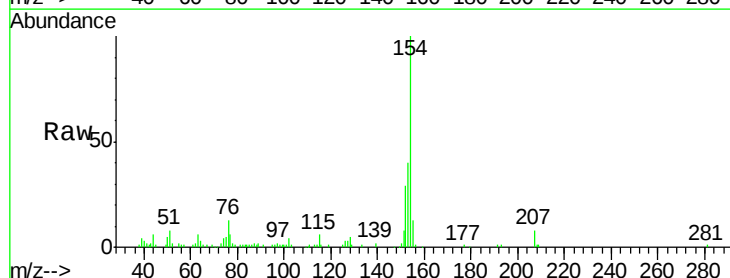
Instrument :
 BNA_M
 ClientSampleId :

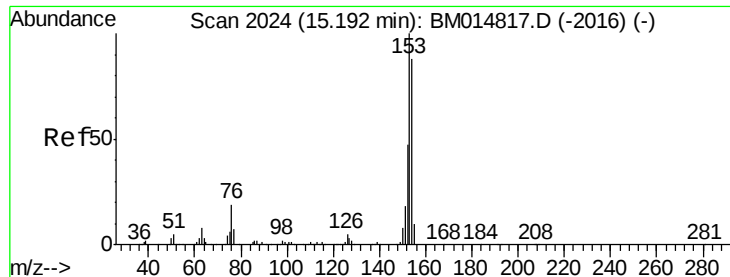
Tot Ion:142 Resp: 84000
 Ion Ratio Lower Upper
 142 100
 141 93.1 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.350 ng/ul
 RT: 13.97 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: BM014825.D
 Acq: 25 Apr 2018 00:28

Tgt Ion:154 Resp: 115228
 Ion Ratio Lower Upper
 154 100
 153 40.1 32.6 48.8
 76 13.2 8.5 12.7#





#49

Acenaphthene

Concen: 10.296 ng/ul

RT: 15.19 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BM014825.D

Acq: 25 Apr 2018 00:28

Instrument :

BNA_M

ClientSampleId :

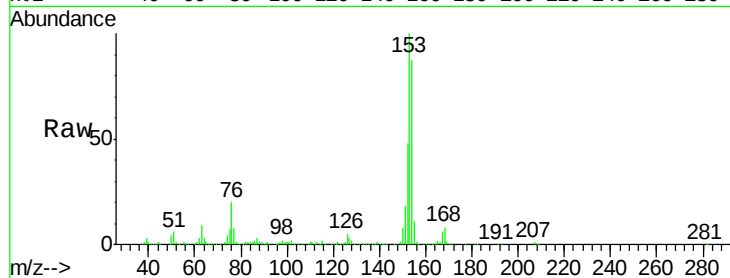
Tot Ion:153 Resp: 725304

Ion Ratio Lower Upper

153 100

152 48.2 37.6 56.4

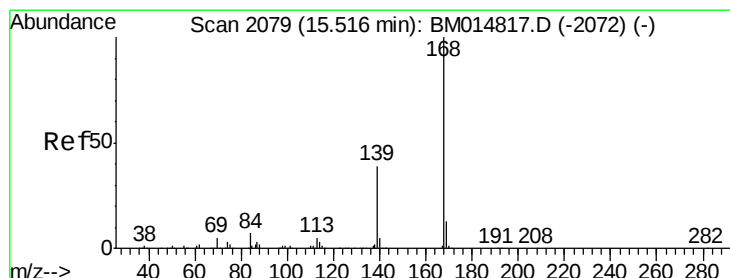
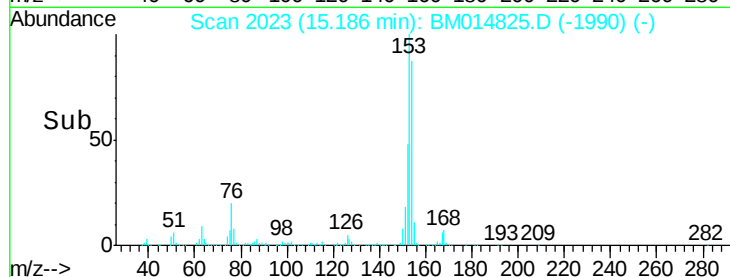
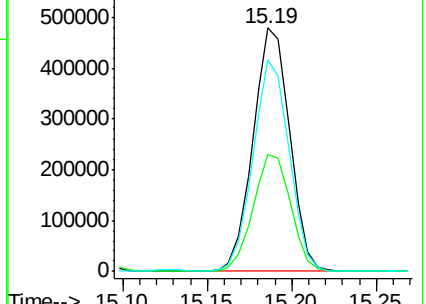
154 87.0 70.4 105.6



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



#53

Dibenzofuran

Concen: 11.570 ng/ul

RT: 15.52 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BM014825.D

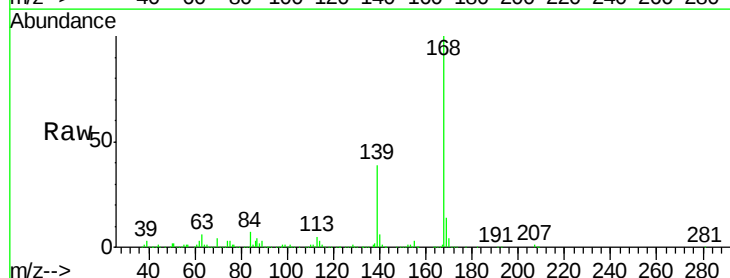
Acq: 25 Apr 2018 00:28

Tgt Ion:168 Resp: 1131841

Ion Ratio Lower Upper

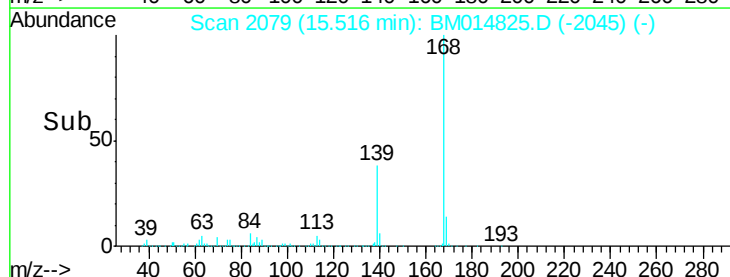
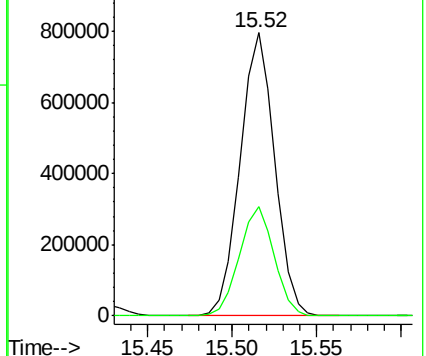
168 100

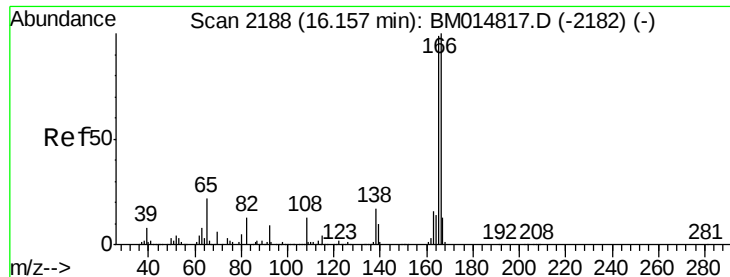
139 38.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 26.288 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BM014825.D

Acq: 25 Apr 2018 00:28

Instrument :

BNA_M

ClientSampleId :

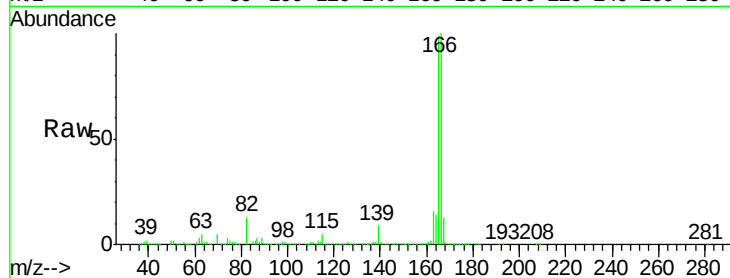
Tot Ion:166 Resp: 2076518

Ion Ratio Lower Upper

166 100

165 98.7 77.9 116.9

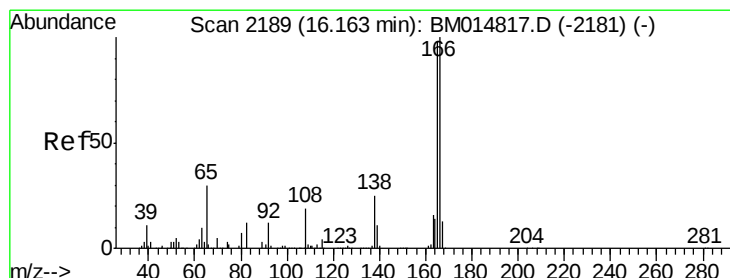
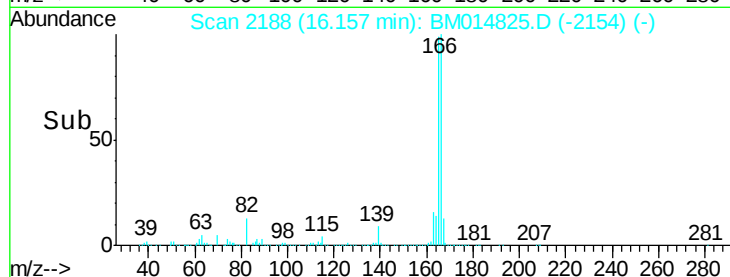
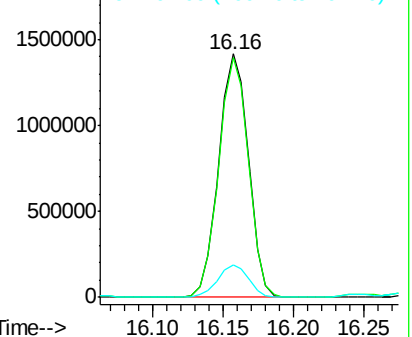
167 13.5 10.6 16.0



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



#60

4-Nitroaniline

Concen: 1.414 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BM014825.D

Acq: 25 Apr 2018 00:28

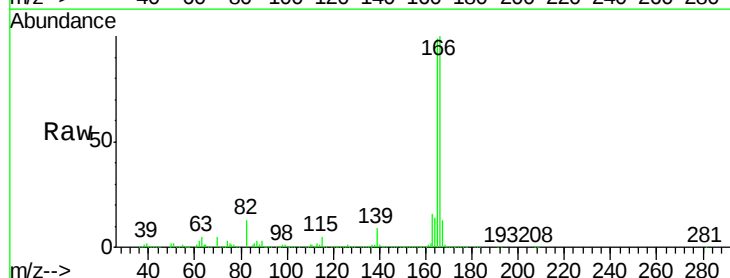
Tgt Ion:138 Resp: 23852

Ion Ratio Lower Upper

138 100

92 2.2 40.0 60.0#

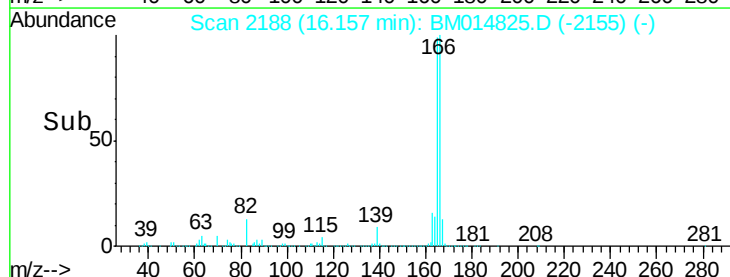
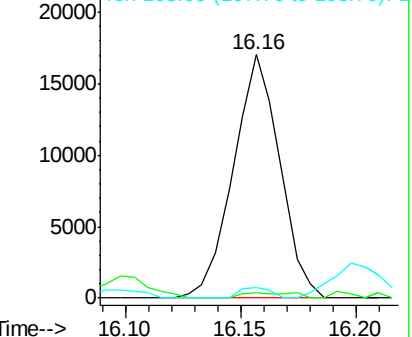
108 4.1 80.0 120.0#

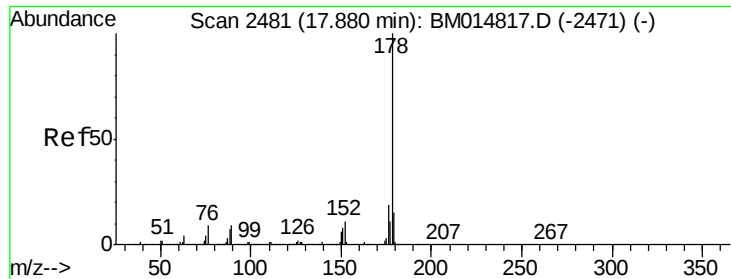


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 15.643 ng/ul

RT: 17.97 min Scan# 2496

Delta R.T. 0.09 min

Lab File: BM014825.D

Acq: 25 Apr 2018 00:28

Instrument :

BNA_M

ClientSampleId :

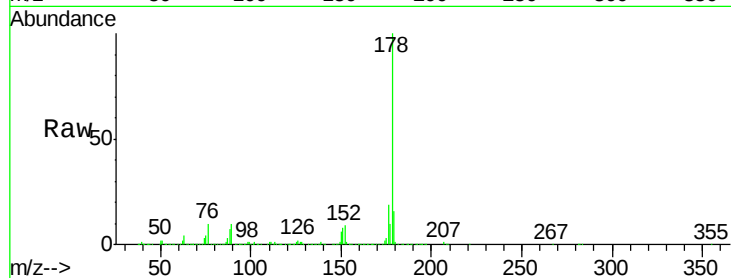
Tot Ion:178 Resp: 2027004

Ion Ratio Lower Upper

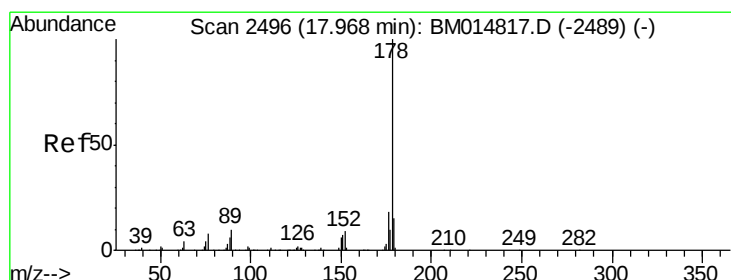
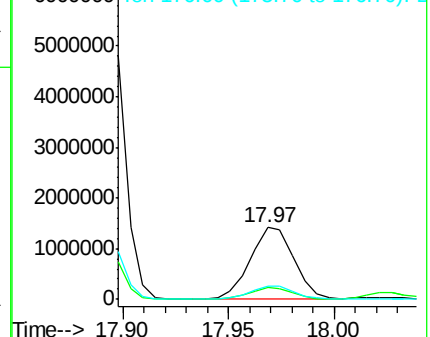
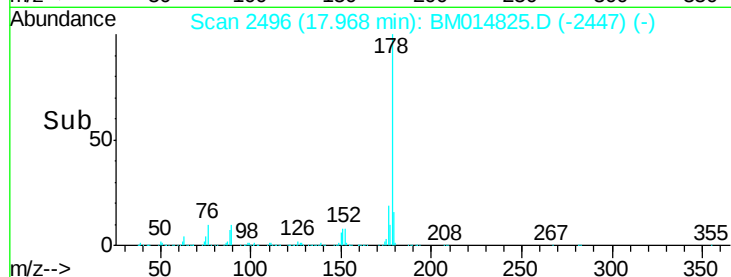
178 100

179 15.8 12.6 19.0

176 18.8 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: 15.414 ng/ul

RT: 17.97 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BM014825.D

Acq: 25 Apr 2018 00:28

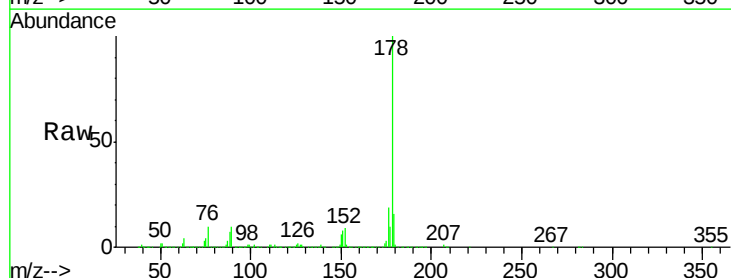
Tgt Ion:178 Resp: 2027004

Ion Ratio Lower Upper

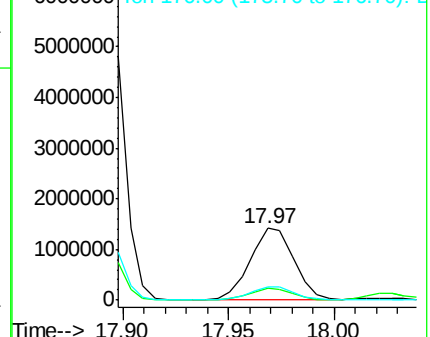
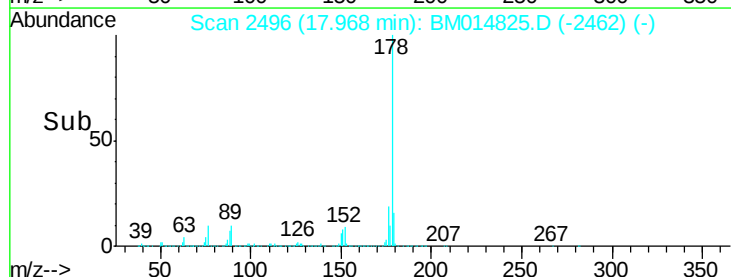
178 100

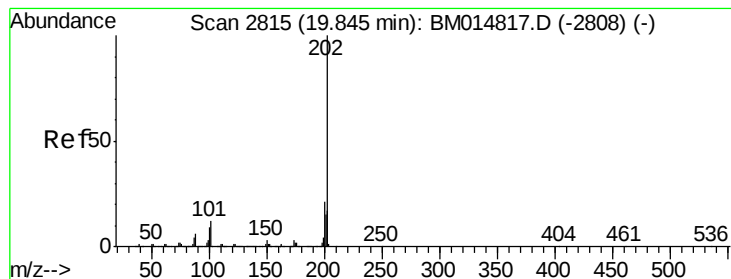
179 15.8 11.7 17.5

176 18.8 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





#74

Fluoranthene

Concen: 56.481 ng/ul

RT: 19.84 min Scan# 2815

Delta R.T. -0.00 min

Lab File: BM014825.D

Acq: 25 Apr 2018 00:28

Instrument :

BNA_M

ClientSampleId :

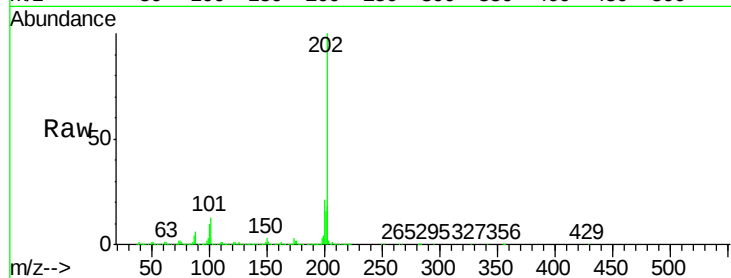
Tot Ion:202 Resp: 7979165

Ion Ratio Lower Upper

202 100

101 12.6 4.6 7.0#

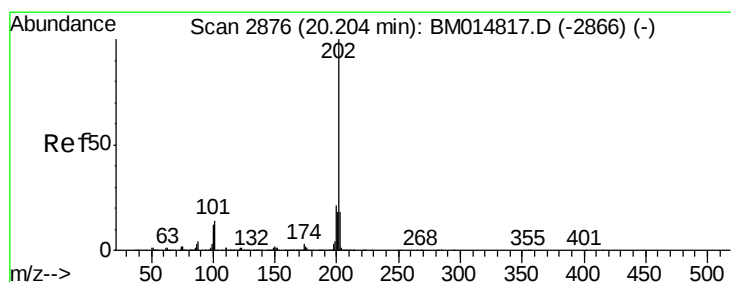
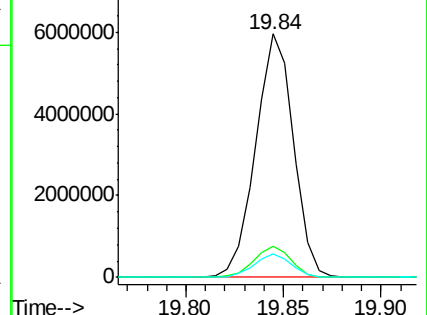
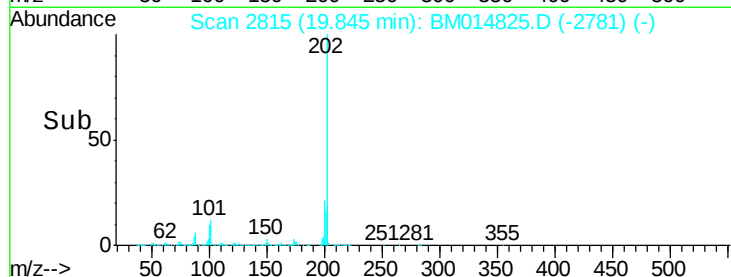
100 9.7 3.4 5.2#



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



#77

Pyrene

Concen: 34.541 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BM014825.D

Acq: 25 Apr 2018 00:28

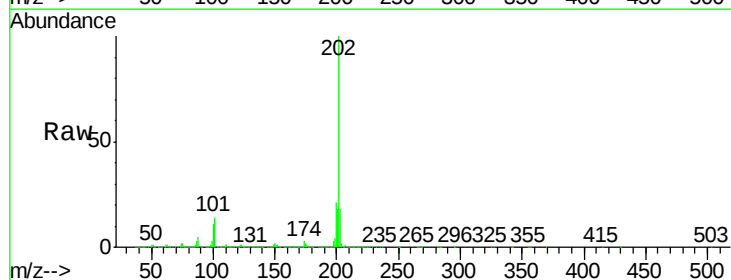
Tgt Ion:202 Resp: 5506212

Ion Ratio Lower Upper

202 100

101 13.8 5.1 7.7#

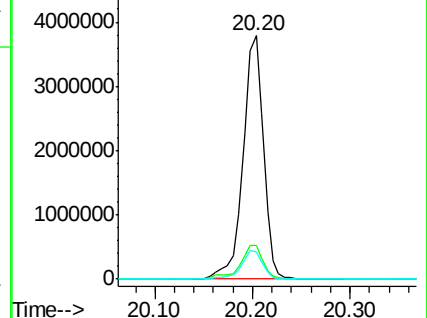
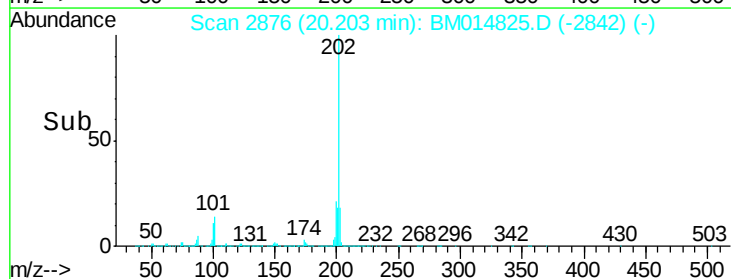
100 11.3 4.9 7.3#

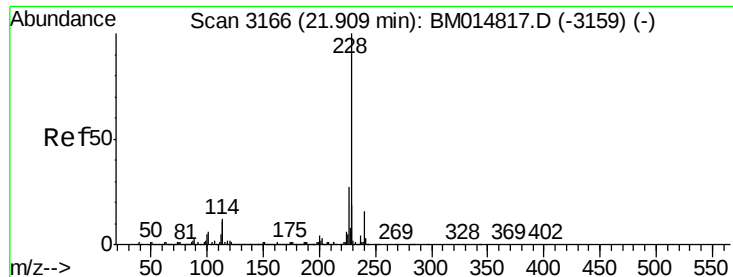


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 11.123 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM014825.D

Acq: 25 Apr 2018 00:28

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ClientSampleId :

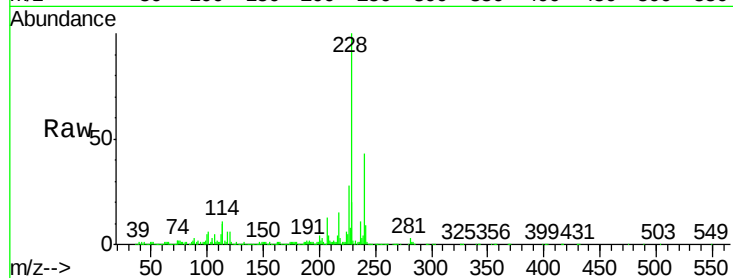
Tot Ion:228 Resp: 1774627

Ion Ratio Lower Upper

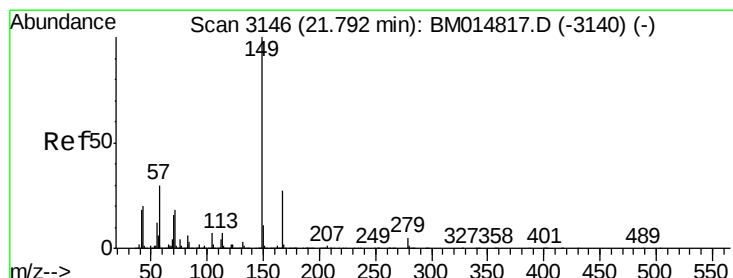
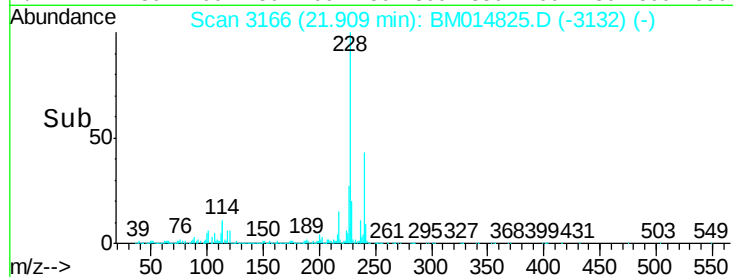
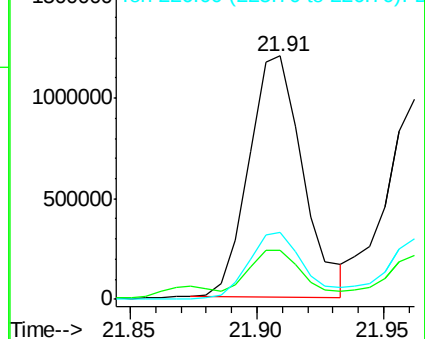
228 100

229 20.4 15.4 23.0

226 27.5 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: 6.889 ng/ul

RT: 21.79 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BM014825.D

Acq: 25 Apr 2018 00:28

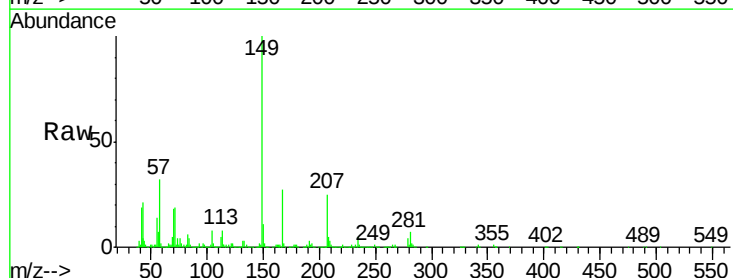
Tgt Ion:149 Resp: 657670

Ion Ratio Lower Upper

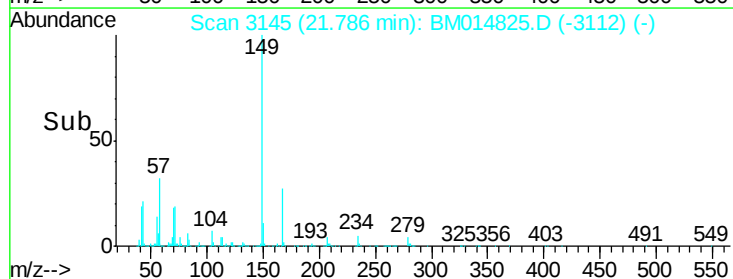
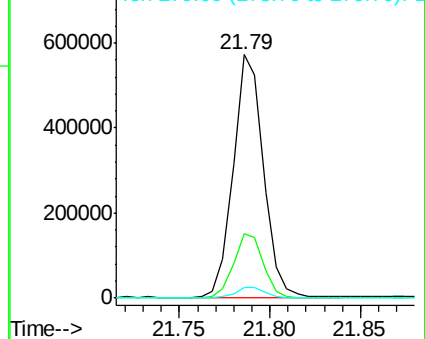
149 100

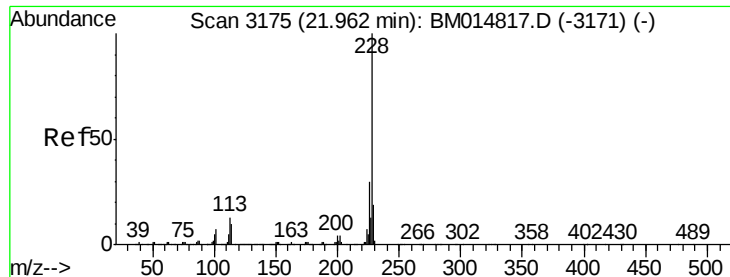
167 26.7 22.8 34.2

279 4.2 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: 9.494 ng/ul

RT: 21.96 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BM014825.D

Acq: 25 Apr 2018 00:28

Instrument :

BNA_M

ClientSampleId :

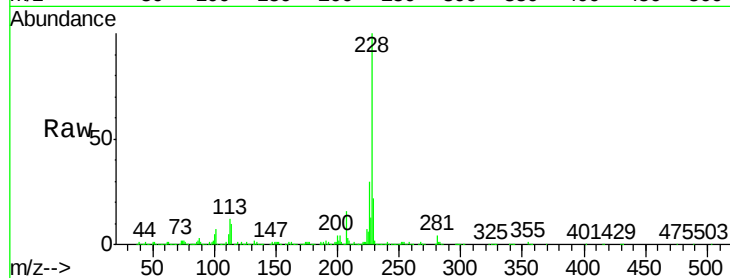
Tot Ion:228 Resp: 1418024

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

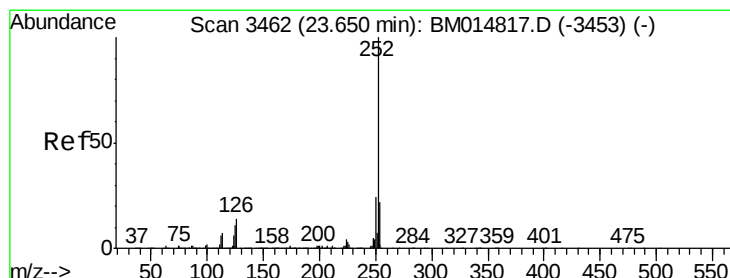
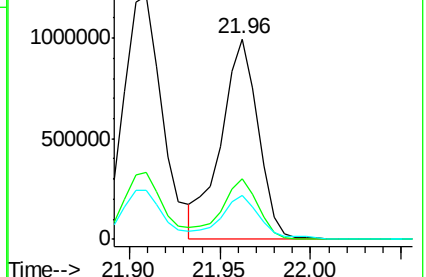
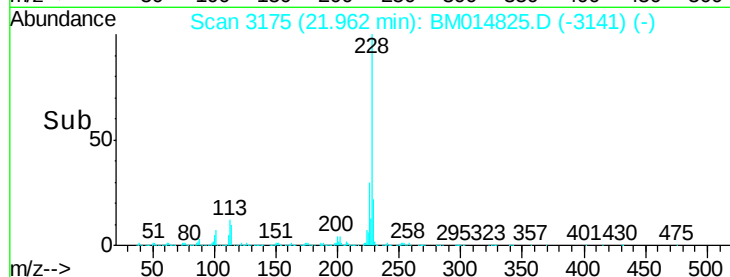
229 22.3 15.5 23.3



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: 6.024 ng/ul

RT: 23.65 min Scan# 3462

Delta R.T. -0.00 min

Lab File: BM014825.D

Acq: 25 Apr 2018 00:28

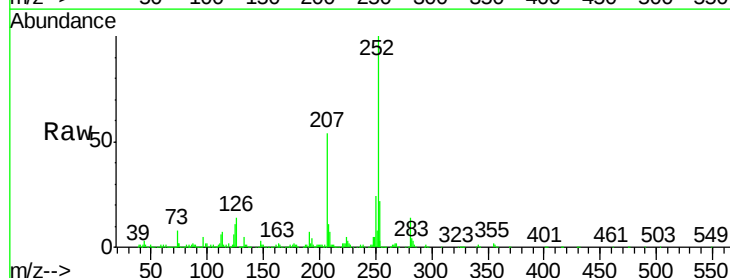
Tgt Ion:252 Resp: 1009327

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

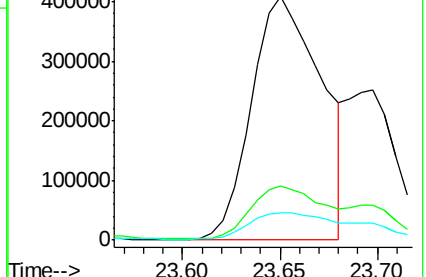
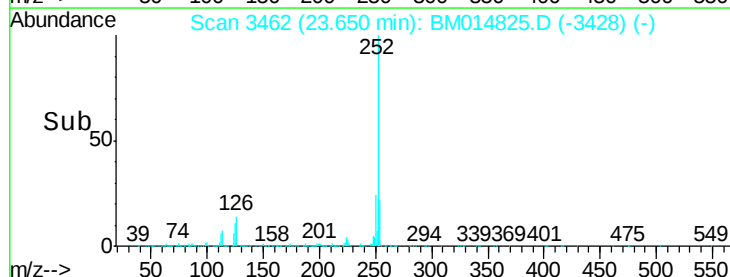
125 11.3 3.6 5.4#

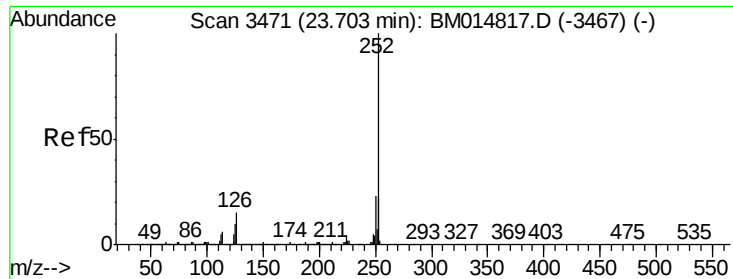


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

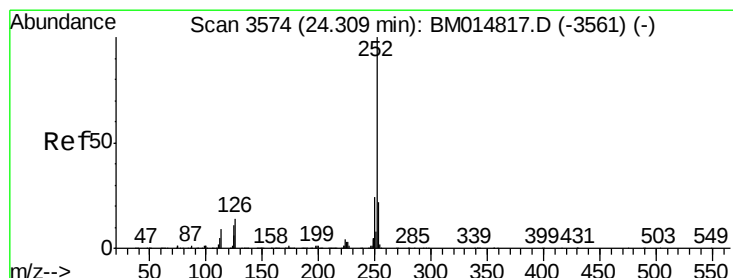
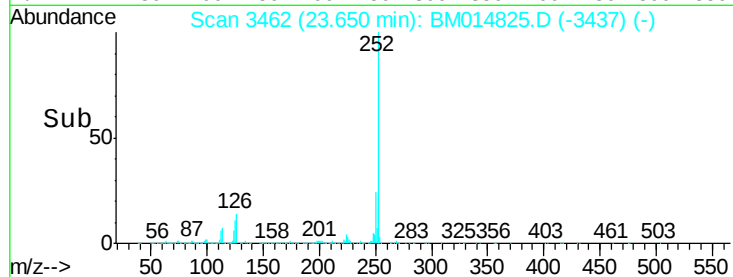
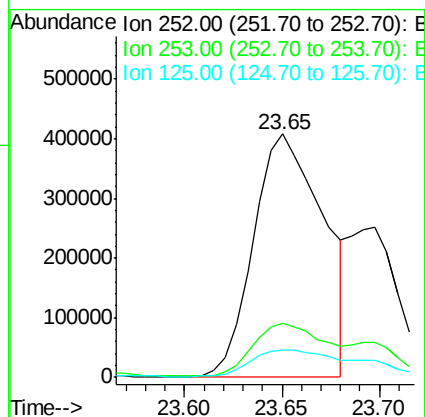
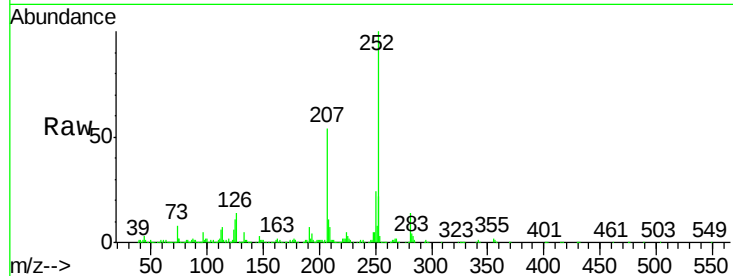




#86
Benzo(k)fluoranthene
Concen: 6.264 ng/ul
RT: 23.65 min Scan# 3462
Delta R.T. -0.05 min
Lab File: BM014825.D
Acq: 25 Apr 2018 00:28

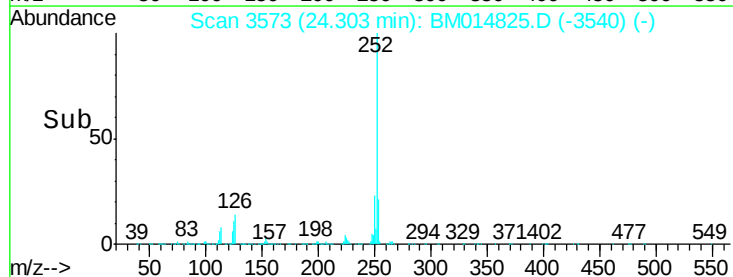
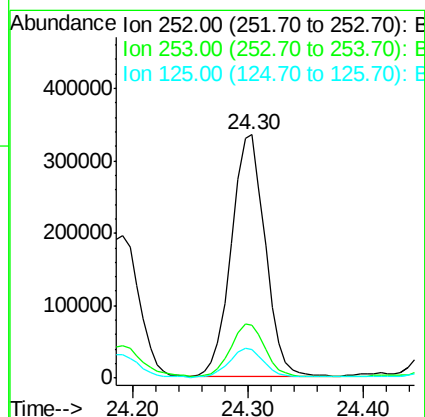
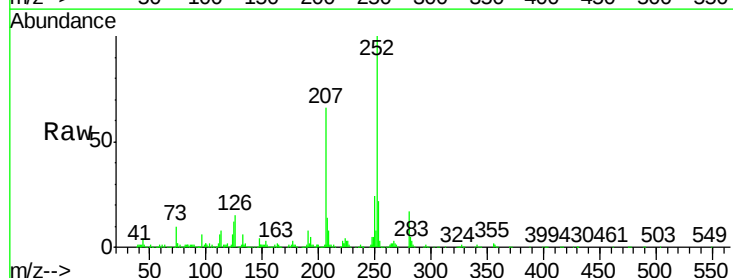
Instrument :
BNA_M
ClientSampleId :

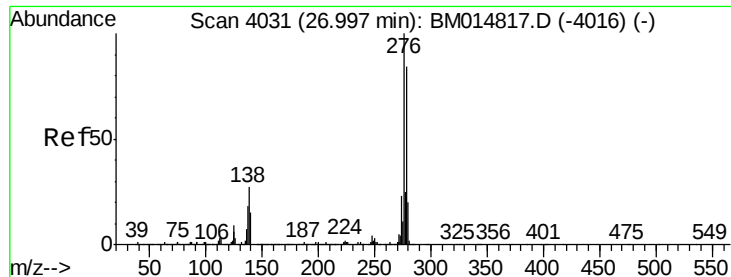
Tot Ion:252 Resp: 1009327
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 11.3 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 4.227 ng/ul
RT: 24.30 min Scan# 3573
Delta R.T. -0.01 min
Lab File: BM014825.D
Acq: 25 Apr 2018 00:28

Tgt Ion:252 Resp: 671906
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 11.6 4.0 6.0#



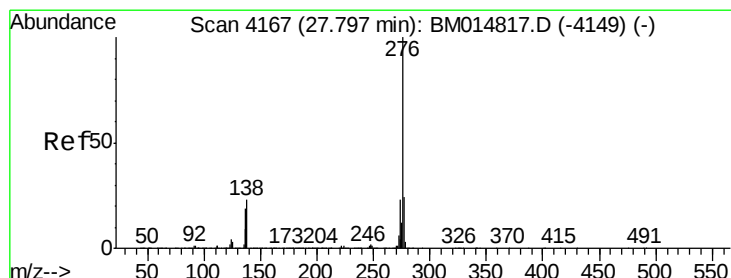
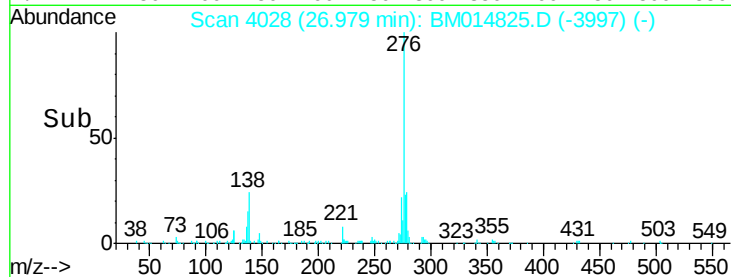
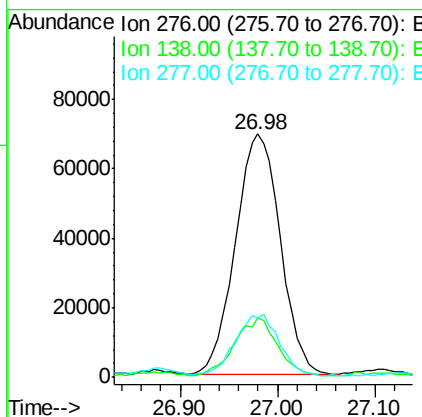
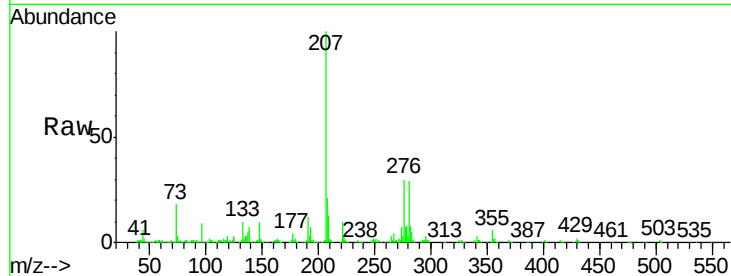


#89

Indeno(1,2,3-cd)pyrene
Concen: 1.155 ng/ul
RT: 26.98 min Scan# 4028
Delta R.T. -0.02 min
Lab File: BM014825.D
Acq: 25 Apr 2018 00:28

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	9.3	13.9#
277	24.3	19.9	29.9



#91

Benzo(g,h,i)perylene
Concen: 1.000 ng/ul
RT: 27.77 min Scan# 4163
Delta R.T. -0.02 min
Lab File: BM014825.D
Acq: 25 Apr 2018 00:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	8.5	12.7#
277	24.1	18.6	28.0

