

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
 Data File : BM014821.D
 Acq On : 24 Apr 2018 22:03
 Operator : SJ/JU
 Sample : J2431-13DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 25 02:08:52 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	524250	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	2328865	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	1317645	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	2942247	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	3080666	20.00	ng/ul	0.00
83) Perylene-d12	24.41	264	2720923	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	5887	0.49	ng/uL	0.01
5) Phenol-d5	7.65	99	125472	3.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.82	67	93836	3.61	ng/ul	0.00
9) 2-Chlorophenol-d4	8.04	132	101018	2.98	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	97544	3.02	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	48505	2.88	ng/ul	0.00
22) 2-Nitrophenol-d4	10.43	143	42831	2.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	90926	2.67	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	131272	3.90	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	325069	3.16	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	334948	2.64	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	23132	1.21	ng/ul	0.00
57) Fluorene-d10	16.10	176	294237	3.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	13397	0.84	ng/ul	0.00
70) Anthracene-d10	17.94	188	429906	3.14	ng/ul	0.00
76) Pyrene-d10	20.17	212	495633	3.40	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.25	264	461354	3.45	ng/ul	0.00

Target Compounds

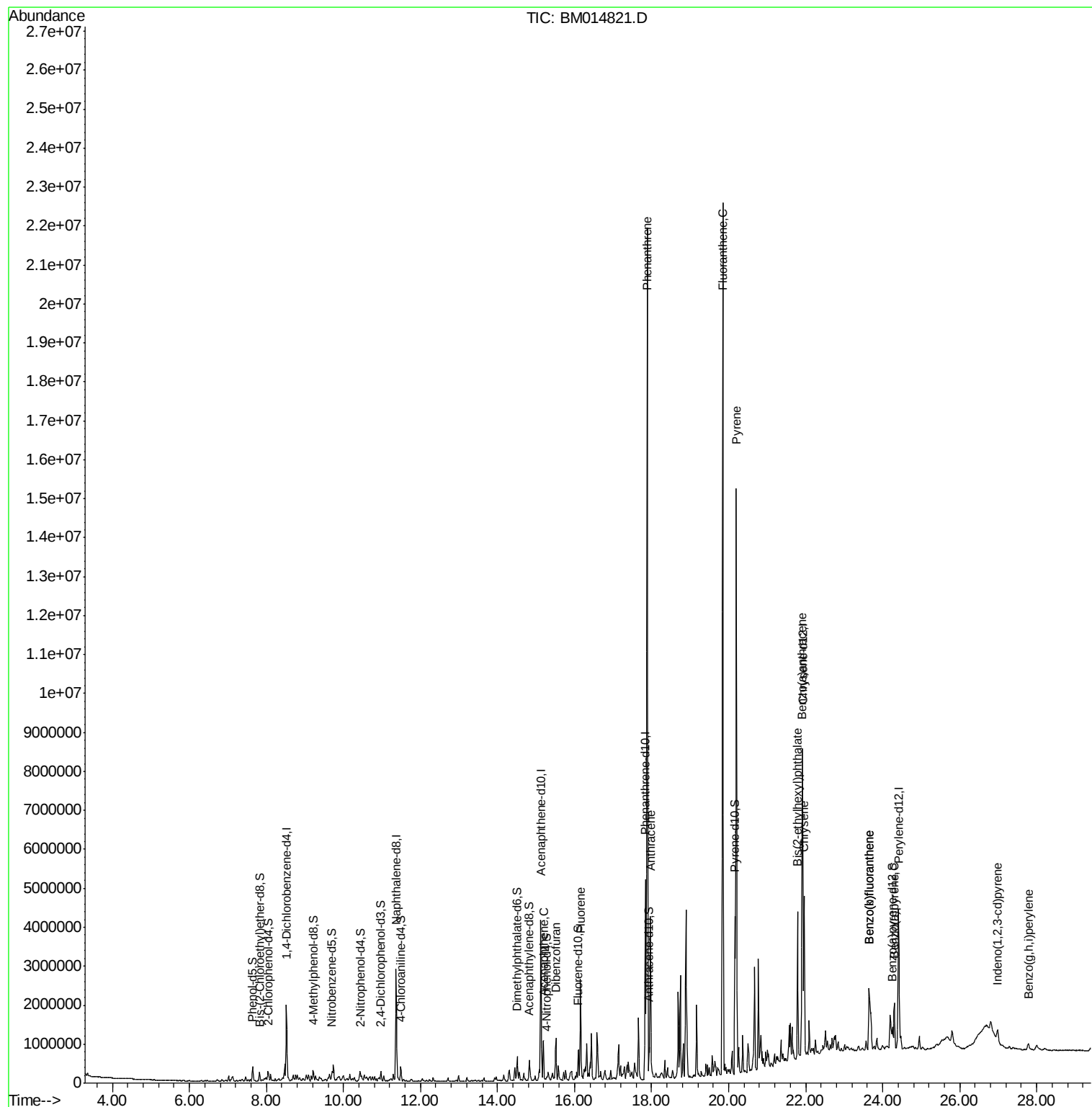
					Ovalue	
49) Acenaphthene	15.19	153	359437	4.110	ng/ul	98
53) Dibenzofuran	15.52	168	581159	4.786	ng/ul	100
58) Fluorene	16.16	166	1061232	10.823	ng/ul	98
69) Phenanthrene	17.89	178	12686349	80.288	ng/ul	95
71) Anthracene	17.97	178	2540563	15.843	ng/ul	99
74) Fluoranthene	19.85	202	12466899	72.367	ng/ul#	77
77) Pyrene	20.20	202	8847086	49.151	ng/ul#	78
80) Benzo(a)anthracene	21.91	228	2983307	16.560	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.79	149	1180818	10.955	ng/ul#	94
82) Chrysene	21.96	228	2211931	13.116	ng/ul	98
85) Benzo(b)fluoranthene	23.65	252	1670917	10.417	ng/ul#	96
86) Benzo(k)fluoranthene	23.65	252	1670917	10.833	ng/ul#	95
88) Benzo(a)pyrene	24.30	252	944002	6.204	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.98	276	283310	1.539	ng/ul#	91
91) Benzo(g,h,i)perylene	27.78	276	188737	1.246	ng/ul#	88

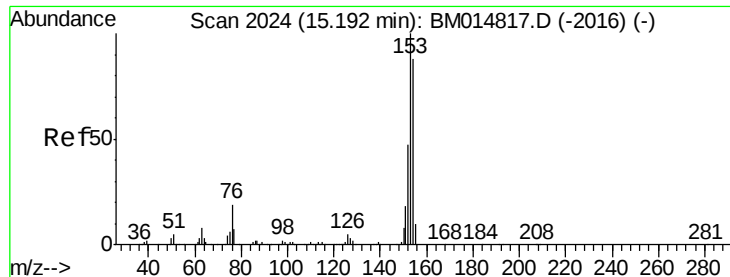
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#49

Acenaphthene

Concen: 4.110 ng/ul

RT: 15.19 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BM014821.D

Acq: 24 Apr 2018 22:03

Instrument :

BNA_M

ClientSampleId :

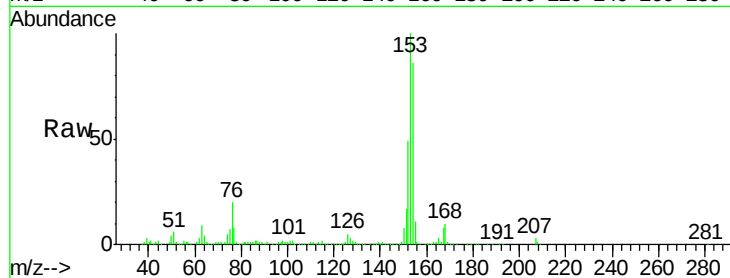
Tot Ion:153 Resp: 359437

Ion Ratio Lower Upper

153 100

152 48.6 37.6 56.4

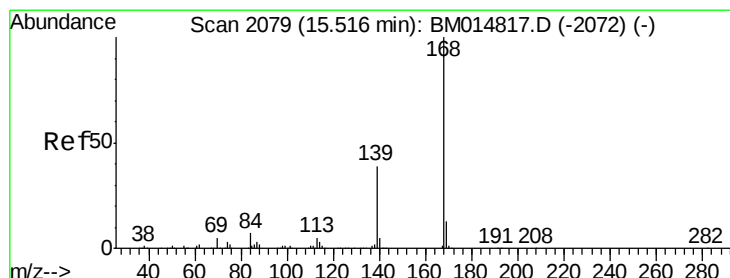
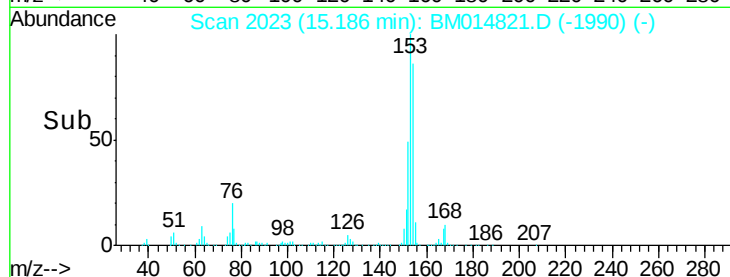
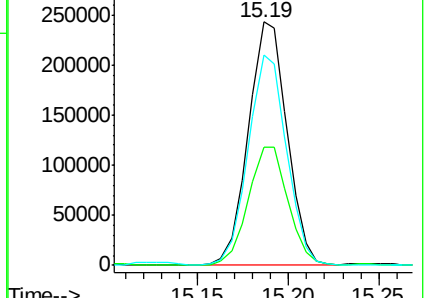
154 86.2 70.4 105.6



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: 4.786 ng/ul

RT: 15.52 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BM014821.D

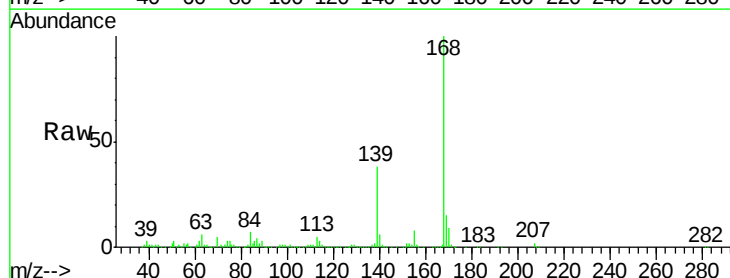
Acq: 24 Apr 2018 22:03

Tgt Ion:168 Resp: 581159

Ion Ratio Lower Upper

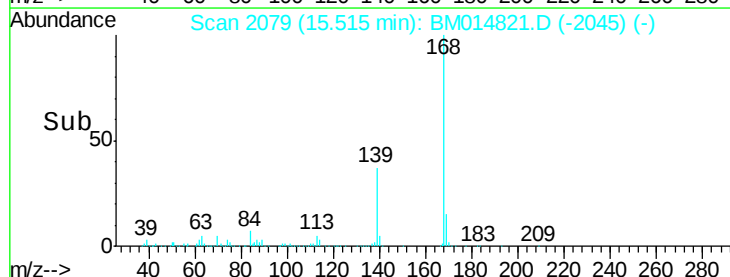
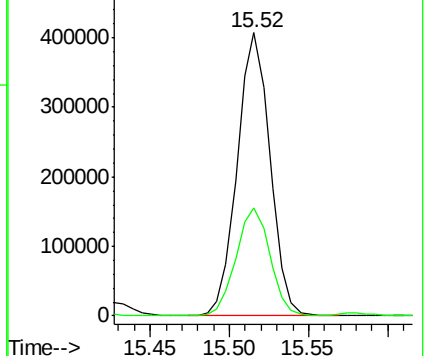
168 100

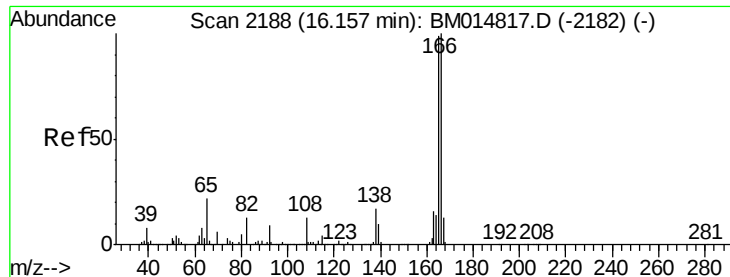
139 38.4 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 10.823 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BM014821.D

Acq: 24 Apr 2018 22:03

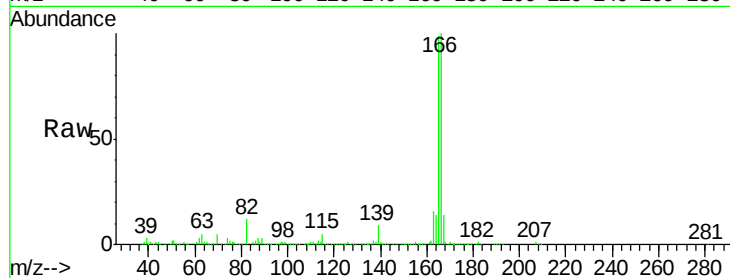
Instrument :

BNA_M

ClientSampled :

Tot Ion:166 Resp: 1061232

Ion	Ratio	Lower	Upper
166	100		
165	99.3	77.9	116.9
167	13.7	10.6	16.0

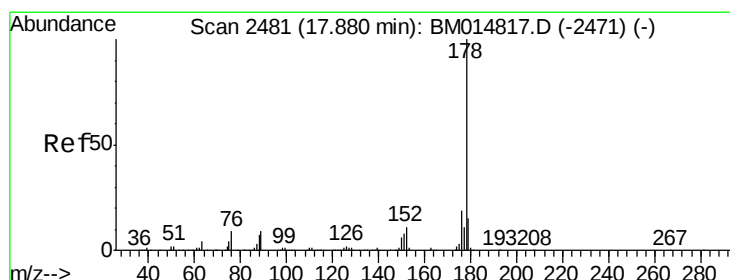
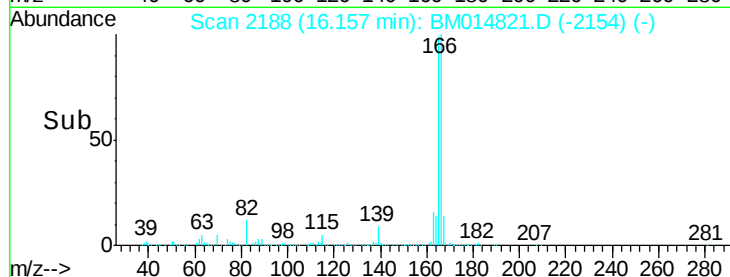
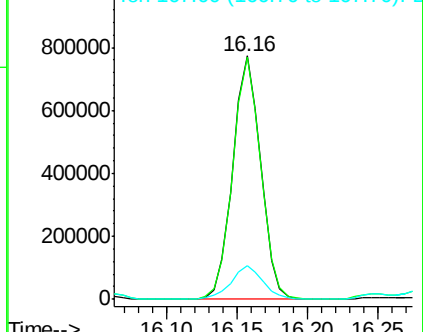


Abundance

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: 80.288 ng/ul

RT: 17.89 min Scan# 2482

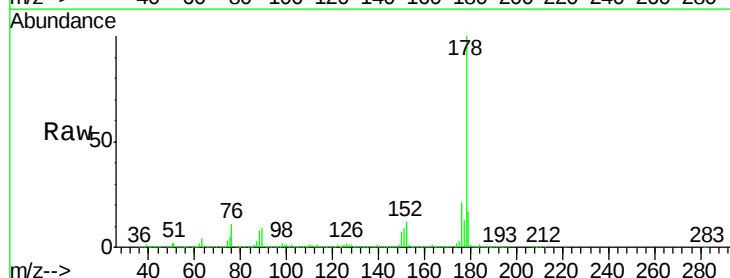
Delta R.T. 0.01 min

Lab File: BM014821.D

Acq: 24 Apr 2018 22:03

Tgt Ion:178 Resp:12686349

Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.6	19.0
176	21.3	14.9	22.3

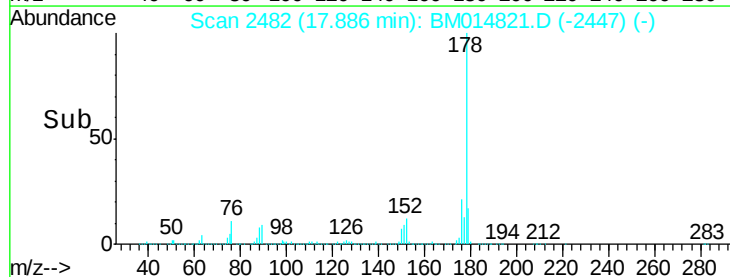
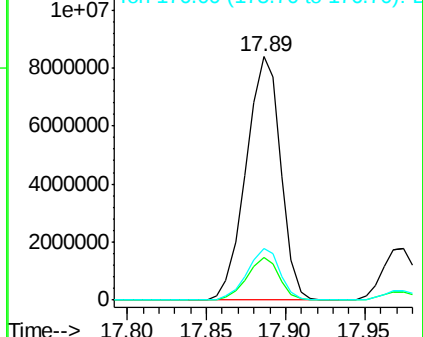


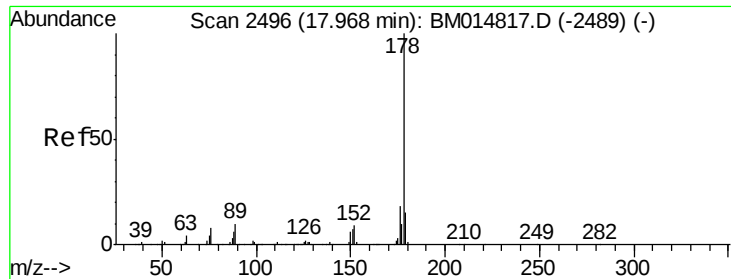
Abundance

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

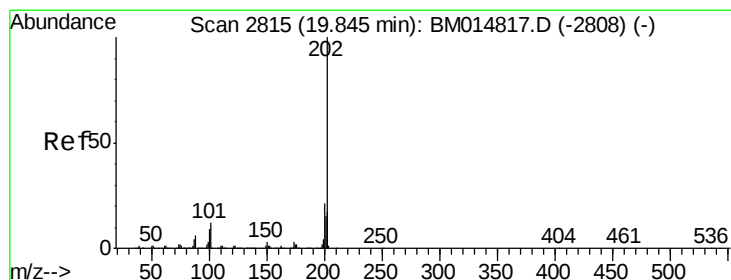
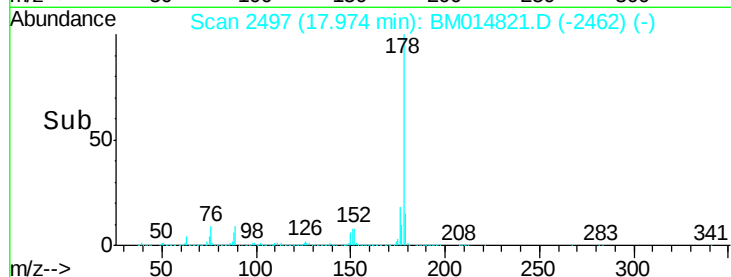
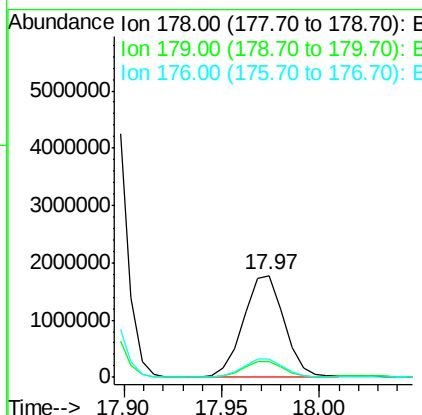
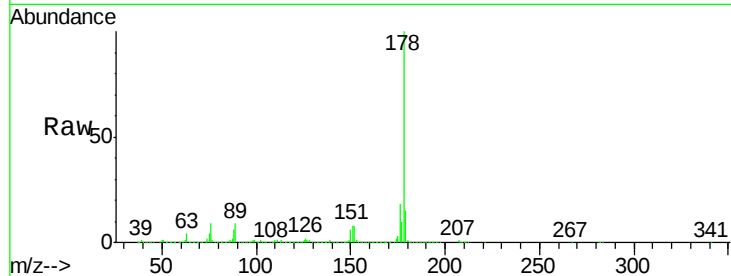




#71
 Anthracene
 Concen: 15.843 ng/ul
 RT: 17.97 min Scan# 2497
 Delta R.T. 0.01 min
 Lab File: BM014821.D
 Acq: 24 Apr 2018 22:03

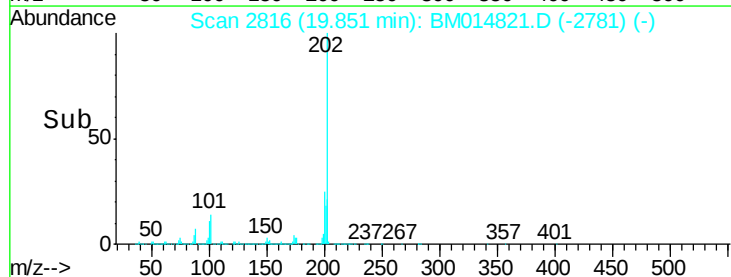
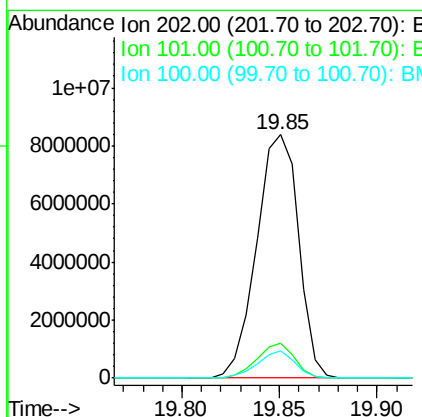
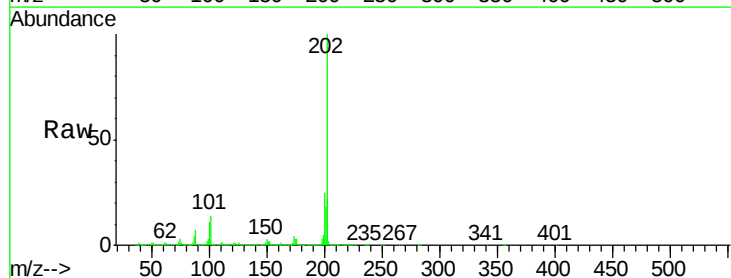
Instrument :
 BNA_M
 ClientSampleId :

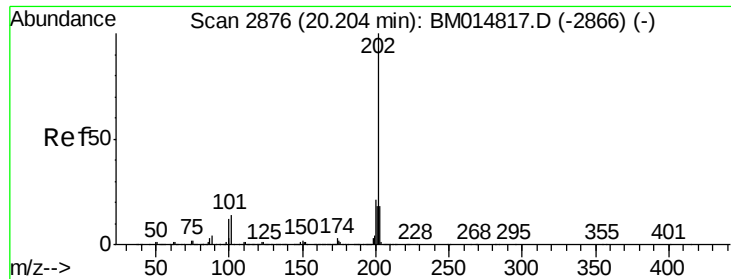
Tot Ion:178 Resp: 2540563
 Ion Ratio Lower Upper
 178 100
 179 15.2 11.7 17.5
 176 18.3 14.6 21.8



#74
 Fluoranthene
 Concen: 72.367 ng/ul
 RT: 19.85 min Scan# 2816
 Delta R.T. 0.01 min
 Lab File: BM014821.D
 Acq: 24 Apr 2018 22:03

Tgt Ion:202 Resp:12466899
 Ion Ratio Lower Upper
 202 100
 101 14.2 4.6 7.0#
 100 11.0 3.4 5.2#





#77

Pvrene

Concen: 49.151 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BM014821.D

Acq: 24 Apr 2018 22:03

Instrument :

BNA_M

ClientSampleId :

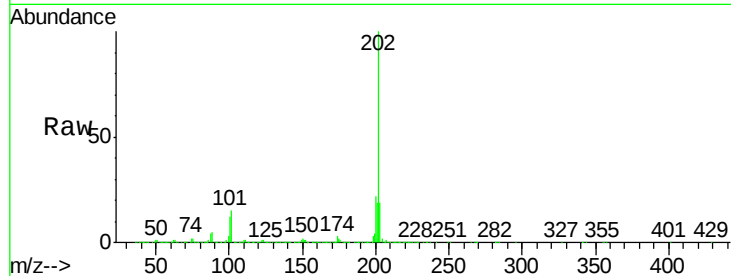
Tot Ion:202 Resp: 8847086

Ion Ratio Lower Upper

202 100

101 14.9 5.1 7.7#

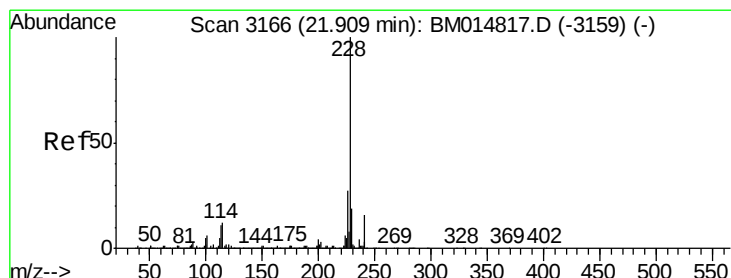
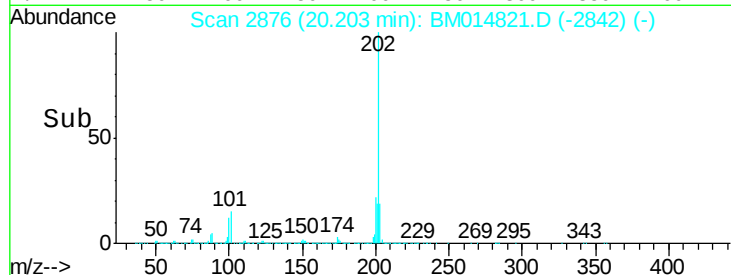
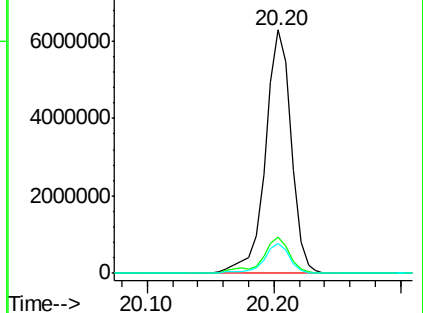
100 12.2 4.9 7.3#



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: 16.560 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM014821.D

Acq: 24 Apr 2018 22:03

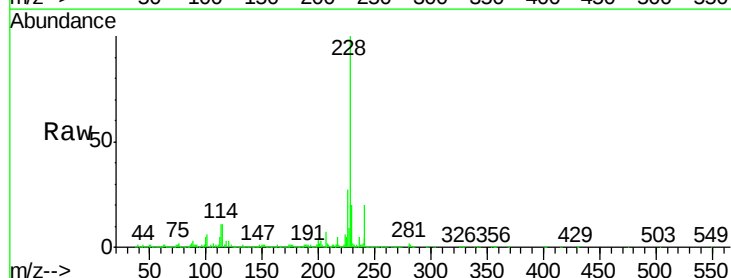
Tgt Ion:228 Resp: 2983307

Ion Ratio Lower Upper

228 100

229 20.4 15.4 23.0

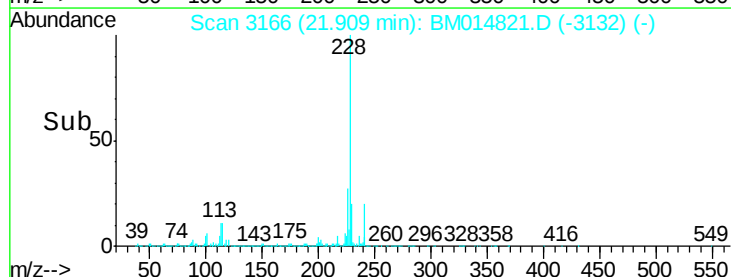
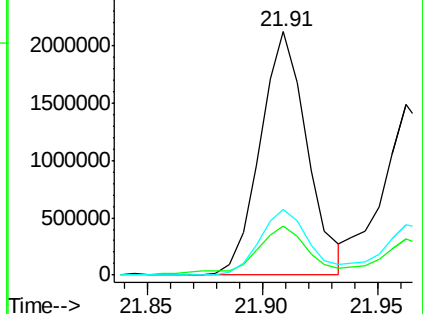
226 27.2 21.4 32.0

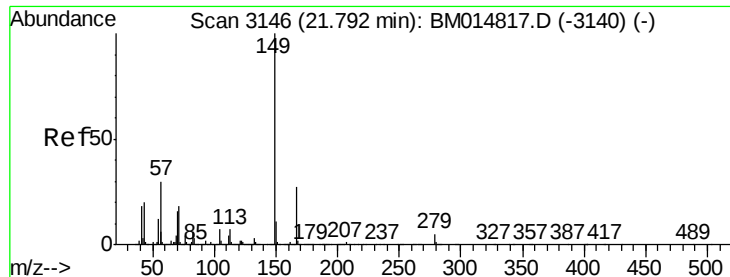


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

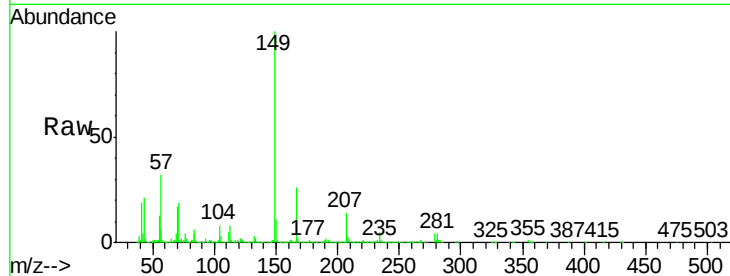




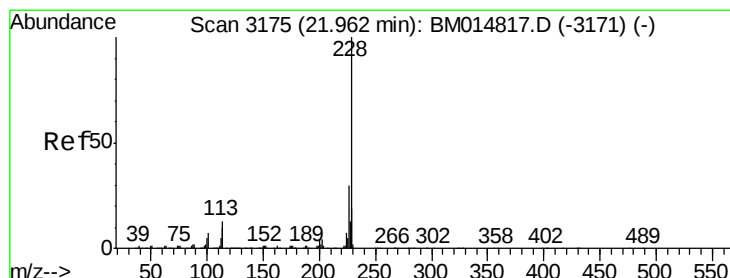
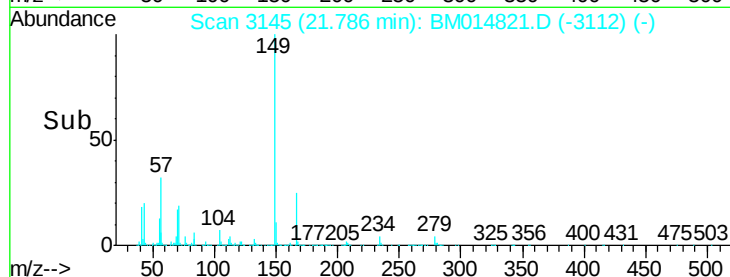
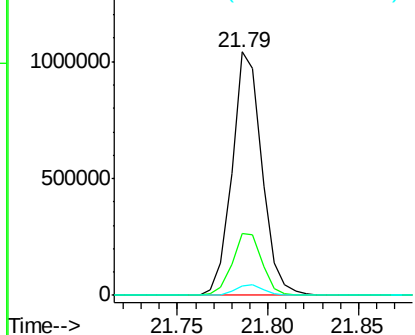
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 10.955 ng/ul
 RT: 21.79 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BM014821.D
 Acq: 24 Apr 2018 22:03

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:149 Resp: 1180818
 Ion Ratio Lower Upper
 149 100
 167 25.5 22.8 34.2
 279 3.8 4.9 7.3#

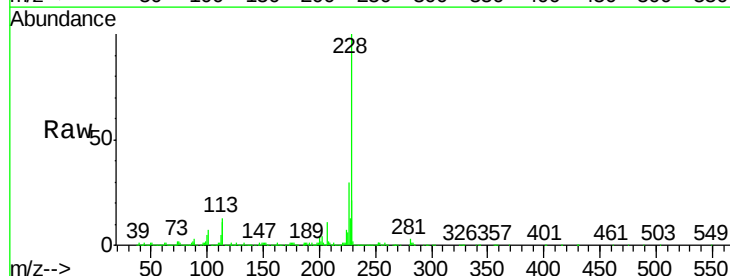


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

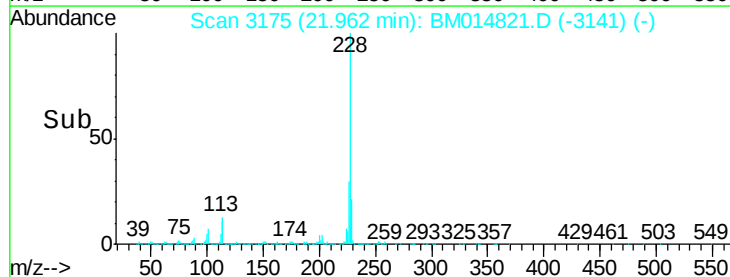
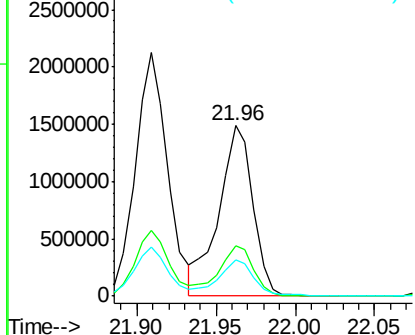


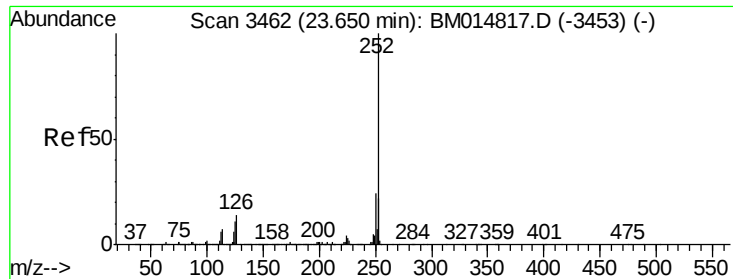
#82
 Chrysene
 Concen: 13.116 ng/ul
 RT: 21.96 min Scan# 3175
 Delta R.T. -0.00 min
 Lab File: BM014821.D
 Acq: 24 Apr 2018 22:03

Tgt Ion:228 Resp: 2211931
 Ion Ratio Lower Upper
 228 100
 226 29.9 23.4 35.2
 229 21.3 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: 10.417 ng/ul

RT: 23.65 min Scan# 3462

Delta R.T. -0.00 min

Lab File: BM014821.D

Acq: 24 Apr 2018 22:03

Instrument :

BNA_M

ClientSampleId :

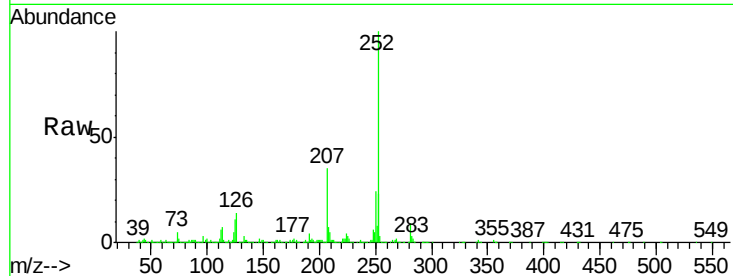
Tot Ion:252 Resp: 1670917

Ion Ratio Lower Upper

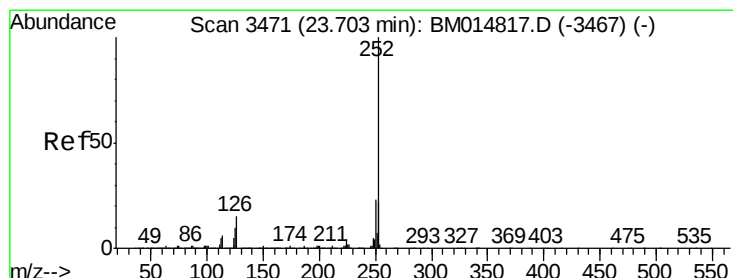
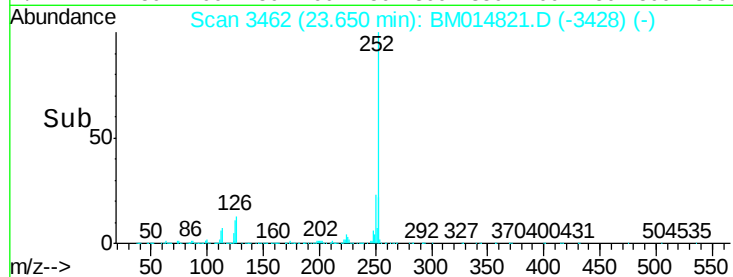
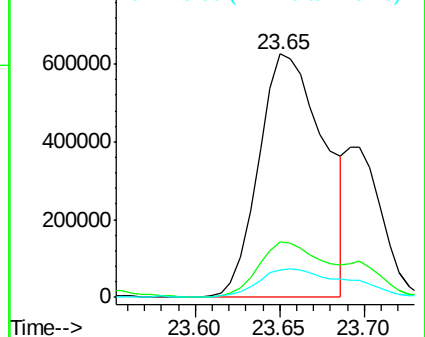
252 100

253 22.6 17.9 26.9

125 11.0 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



#86

Benzo(k)fluoranthene

Concen: 10.833 ng/ul

RT: 23.65 min Scan# 3462

Delta R.T. -0.05 min

Lab File: BM014821.D

Acq: 24 Apr 2018 22:03

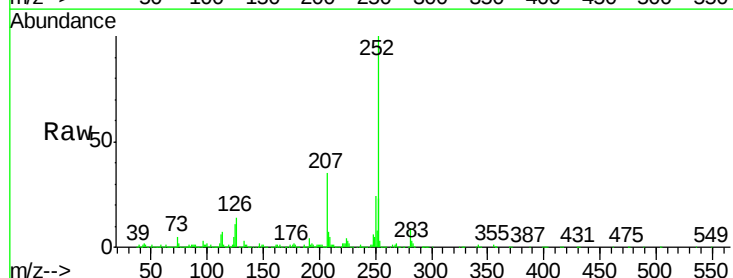
Tgt Ion:252 Resp: 1670917

Ion Ratio Lower Upper

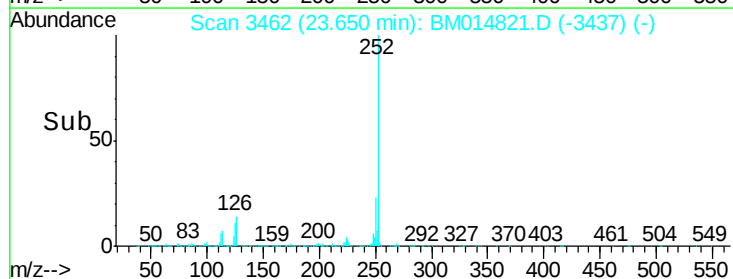
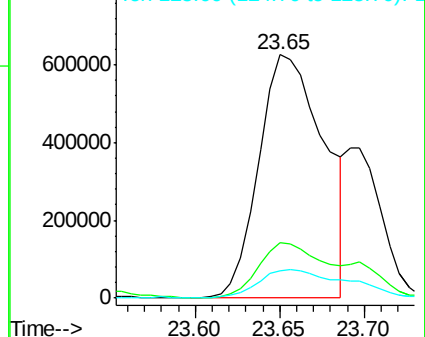
252 100

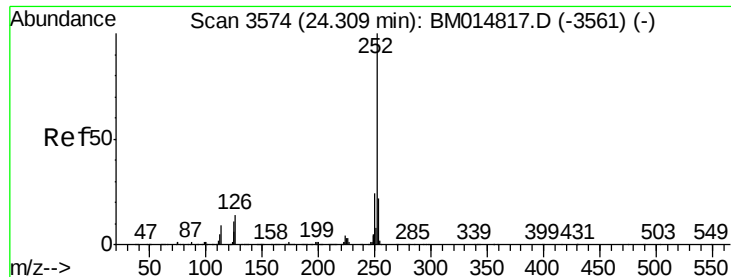
253 22.6 17.1 25.7

125 11.0 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





#88

Benzo(a)pyrene

Concen: 6.204 ng/ul

RT: 24.30 min Scan# 3573

Delta R.T. -0.01 min

Lab File: BM014821.D

Acq: 24 Apr 2018 22:03

Instrument :

BNA_M

ClientSampleId :

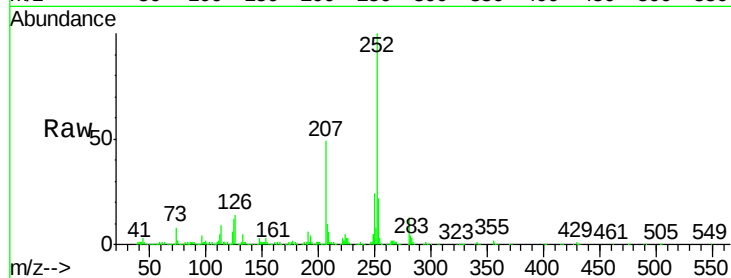
Tot Ion:252 Resp: 944002

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

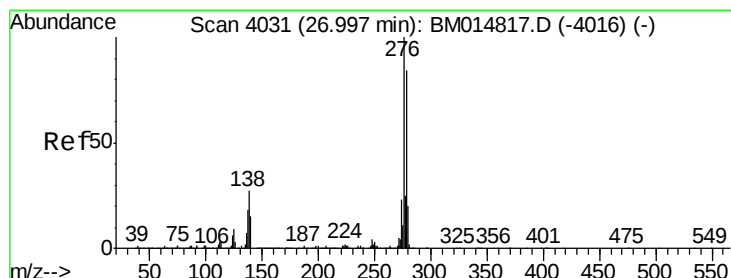
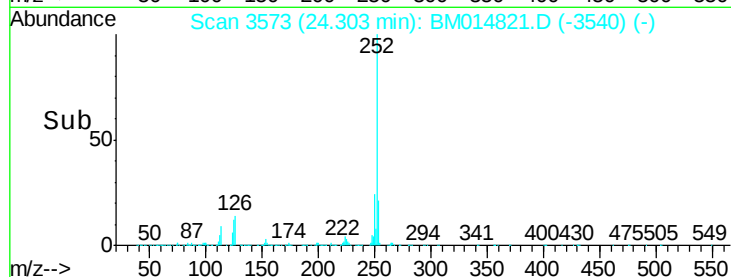
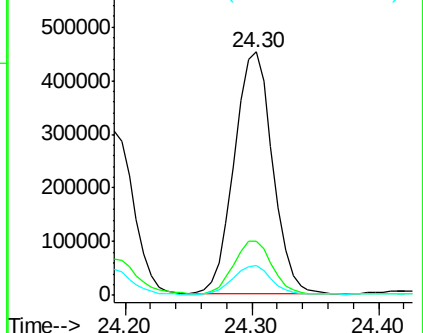
125 12.1 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.539 ng/ul

RT: 26.98 min Scan# 4028

Delta R.T. -0.02 min

Lab File: BM014821.D

Acq: 24 Apr 2018 22:03

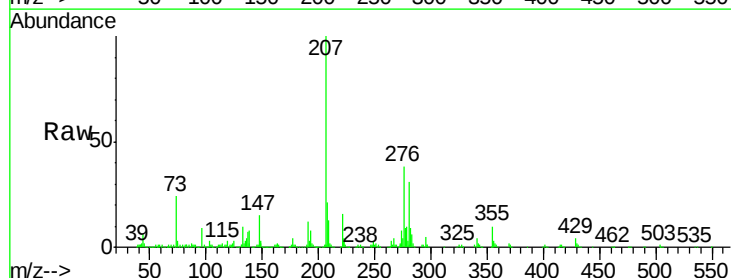
Tgt Ion:276 Resp: 283310

Ion Ratio Lower Upper

276 100

138 21.2 9.3 13.9#

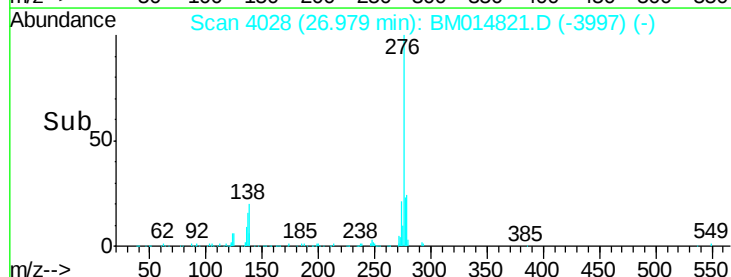
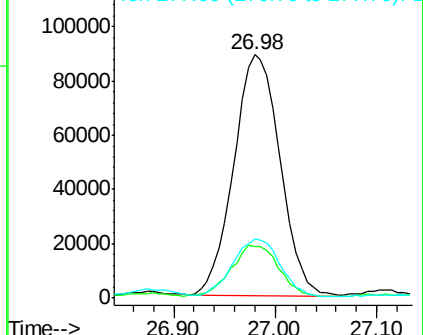
277 24.4 19.9 29.9

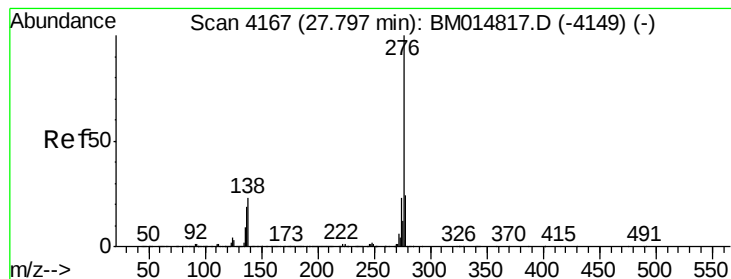


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 1.246 ng/ul

RT: 27.78 min Scan# 4164

Delta R.T. -0.02 min

Lab File: BM014821.D

Acq: 24 Apr 2018 22:03

Instrument :

BNA_M

ClientSampleId :

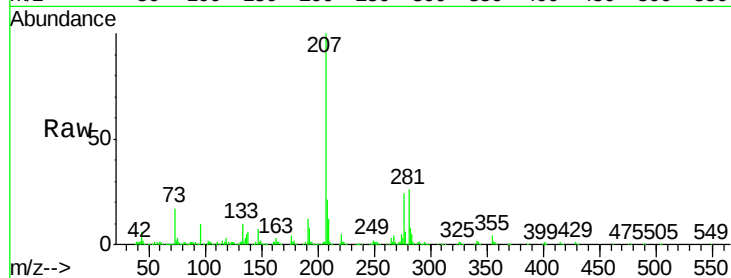
Tot Ion:276 Resp: 188737

Ion Ratio Lower Upper

276 100

138 23.4 8.5 12.7#

277 24.1 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

