

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
 Data File : BM014819.D
 Acq On : 24 Apr 2018 20:50
 Operator : SJ/JU
 Sample : J2431-09DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 25 02:08:19 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	420998	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1841503	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	1033634	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	2328669	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	2575433	20.00	ng/ul	0.00
83) Perylene-d12	24.41	264	2672605	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	11812	1.23	ng/uL	0.01
5) Phenol-d5	7.65	99	168247	5.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.82	67	127806	6.12	ng/ul	0.00
9) 2-Chlorophenol-d4	8.04	132	142542	5.24	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	126583	4.88	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	63851	4.80	ng/ul	0.00
22) 2-Nitrophenol-d4	10.43	143	56522	4.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	119965	4.45	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	188009	7.07	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	437359	5.42	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	447888	4.50	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	37055	2.47	ng/ul	0.00
57) Fluorene-d10	16.10	176	383198	5.46	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	25184	2.00	ng/ul	0.00
70) Anthracene-d10	17.93	188	561685	5.18	ng/ul	0.00
76) Pyrene-d10	20.17	212	641486	5.26	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.25	264	731362	5.57	ng/ul	0.00

Target Compounds

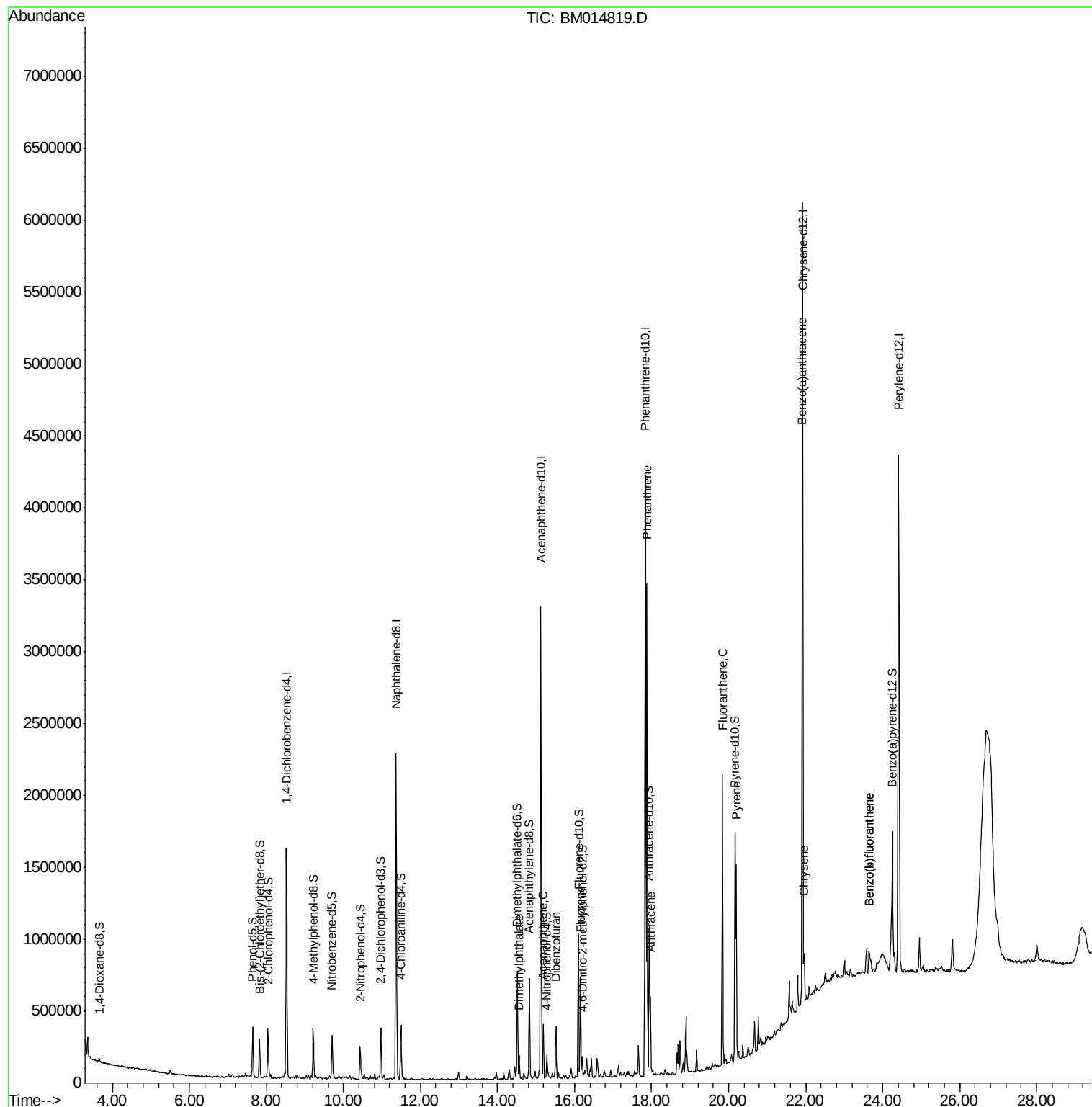
					Ovalue
44) Dimethylphthalate	14.56	163	87864	1.126 ng/ul	99
49) Acenaphthene	15.19	153	143177	2.087 ng/ul	99
53) Dibenzofuran	15.52	168	205517	2.157 ng/ul	100
58) Fluorene	16.16	166	289175	3.759 ng/ul	99
69) Phenanthrene	17.88	178	1942421	15.532 ng/ul	99
71) Anthracene	17.97	178	308594	2.431 ng/ul	98
74) Fluoranthene	19.84	202	1140987	8.368 ng/ul#	84
77) Pyrene	20.20	202	822188	5.464 ng/ul#	79
80) Benzo(a)anthracene	21.91	228	269878	1.792 ng/ul	99
82) Chrysene	21.96	228	223321	1.584 ng/ul	97
85) Benzo(b)fluoranthene	23.65	252	157656	1.001 ng/ul#	93
86) Benzo(k)fluoranthene	23.65	252	157656	1.041 ng/ul#	91

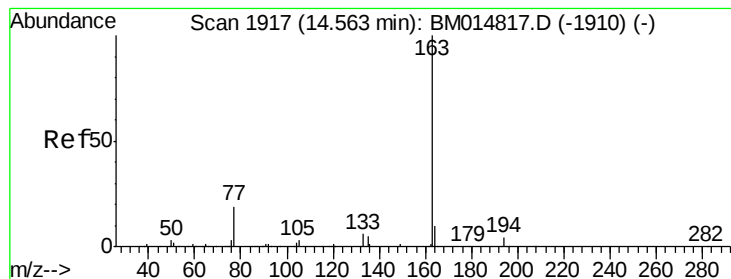
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#44

Dimethylphthalate

Concen: 1.126 ng/ul

RT: 14.56 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM014819.D

Acq: 24 Apr 2018 20:50

Instrument :

BNA_M

ClientSampleId :

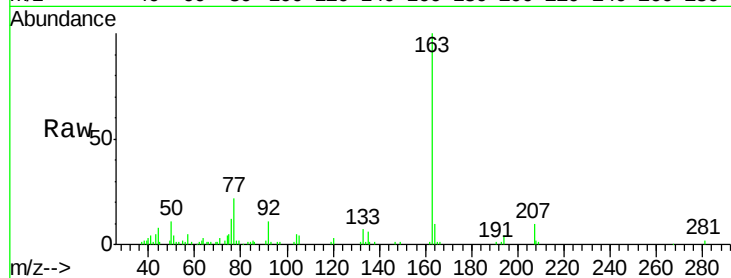
Tot Ion:163 Resp: 87864

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

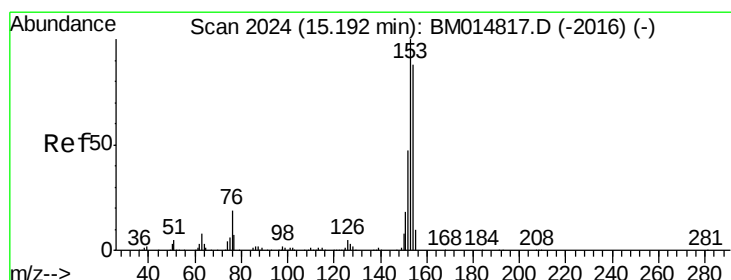
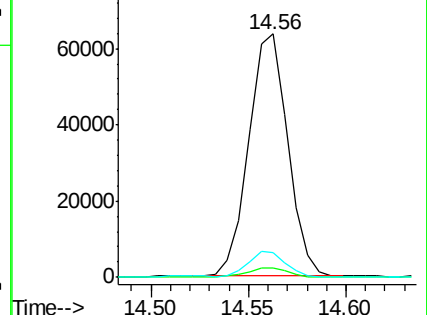
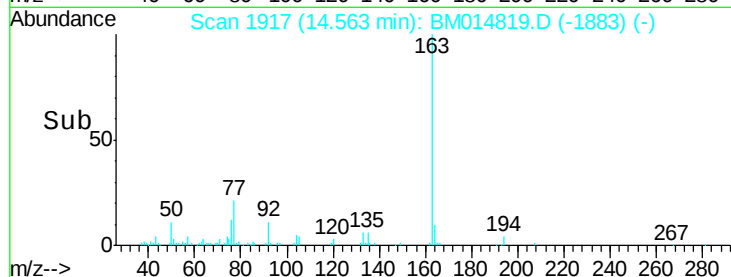
164 10.2 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 2.087 ng/ul

RT: 15.19 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BM014819.D

Acq: 24 Apr 2018 20:50

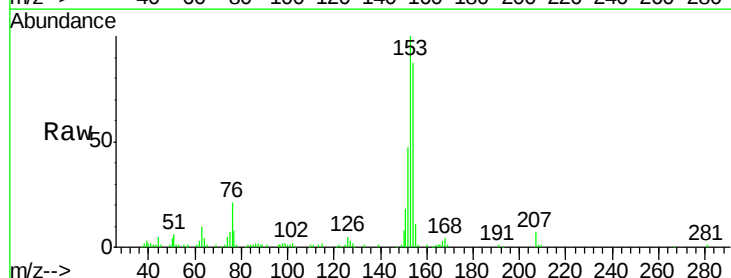
Tgt Ion:153 Resp: 143177

Ion Ratio Lower Upper

153 100

152 47.1 37.6 56.4

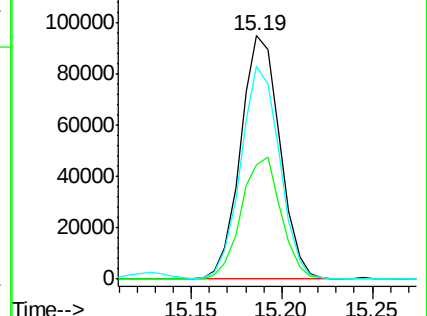
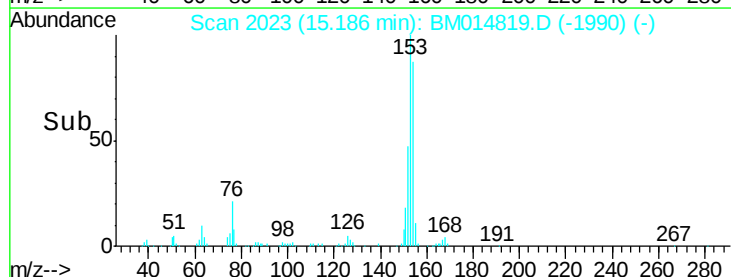
154 87.3 70.4 105.6

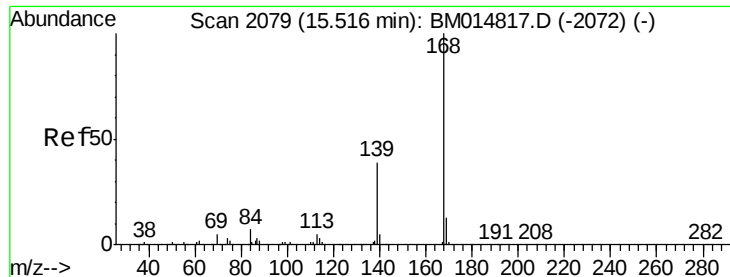


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 2.157 ng/ul

RT: 15.52 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BM014819.D

Acq: 24 Apr 2018 20:50

Instrument :

BNA_M

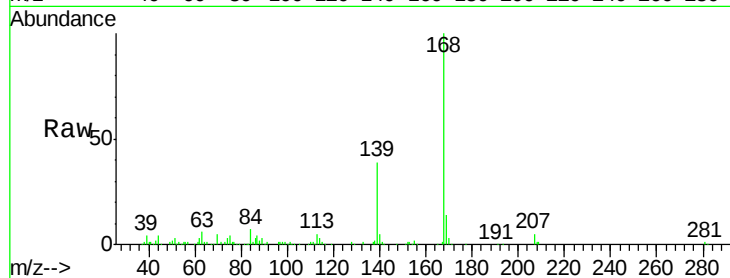
ClientSampleId :

Tot Ion:168 Resp: 205517

Ion Ratio Lower Upper

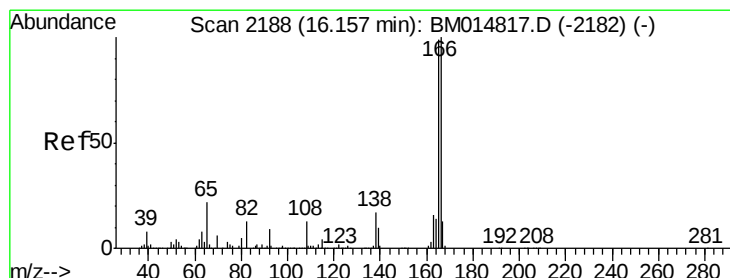
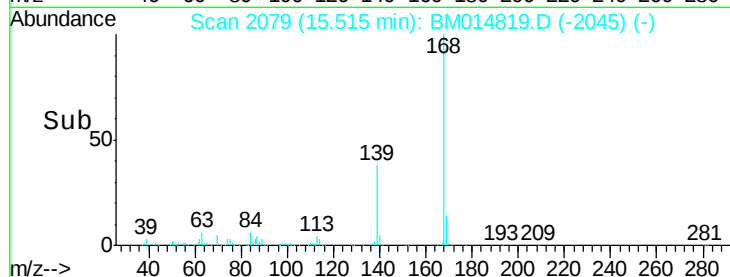
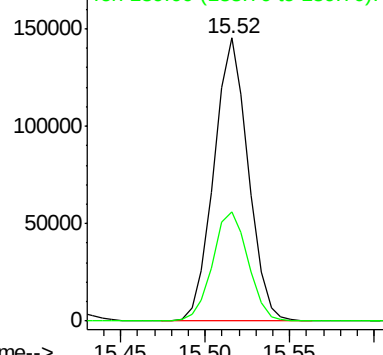
168 100

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: 3.759 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BM014819.D

Acq: 24 Apr 2018 20:50

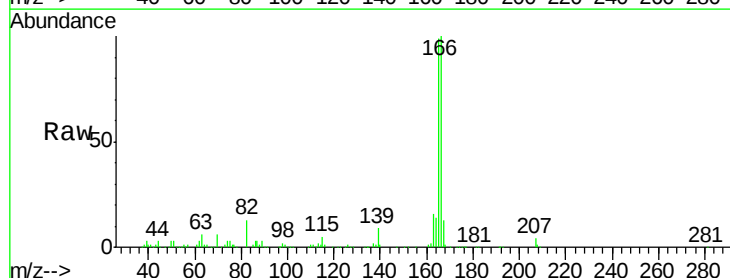
Tgt Ion:166 Resp: 289175

Ion Ratio Lower Upper

166 100

165 98.9 77.9 116.9

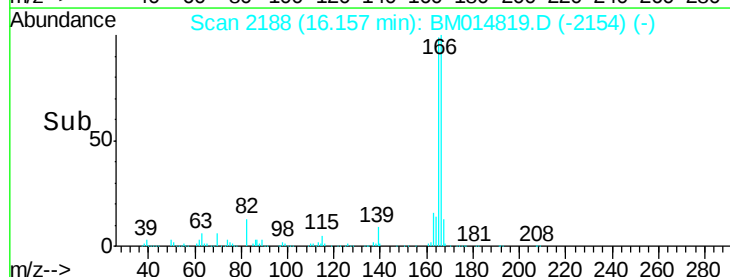
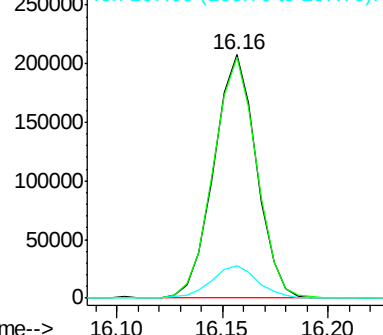
167 13.2 10.6 16.0

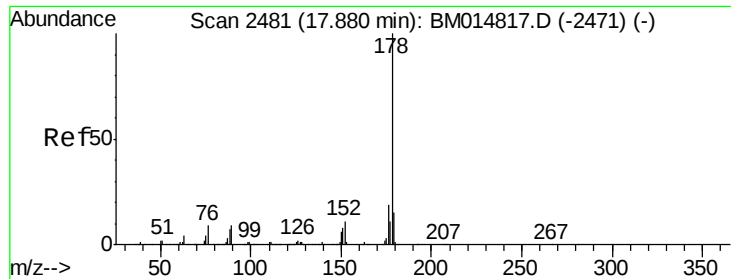


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 15.532 ng/ul

RT: 17.88 min Scan# 2481

Delta R.T. -0.00 min

Lab File: BM014819.D

Acq: 24 Apr 2018 20:50

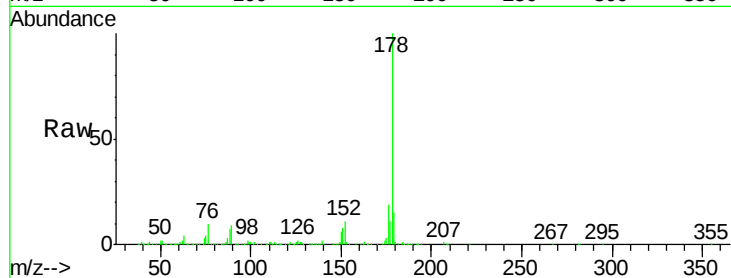
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1942421

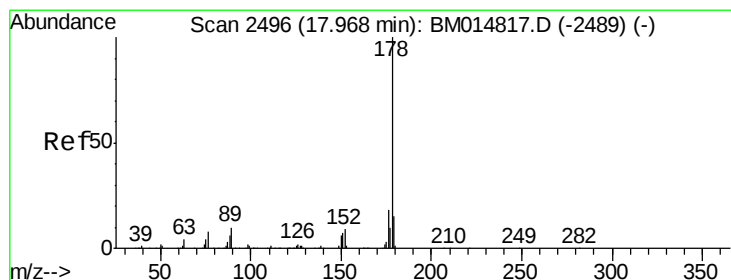
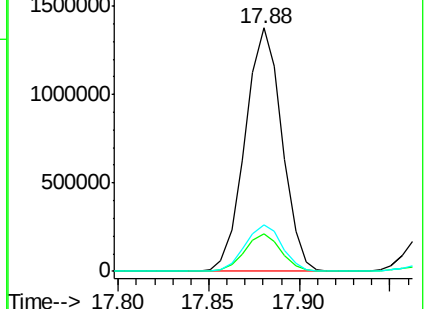
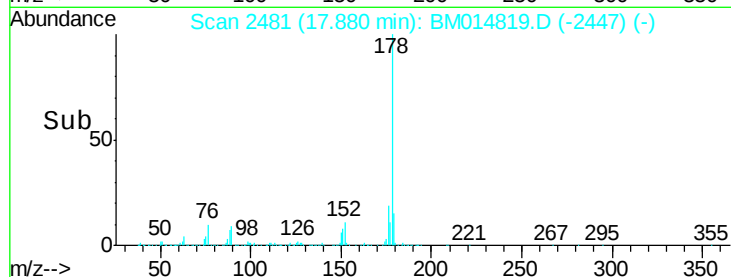
Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	19.0	14.9	22.3



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



#71

Anthracene

Concen: 2.431 ng/ul

RT: 17.97 min Scan# 2496

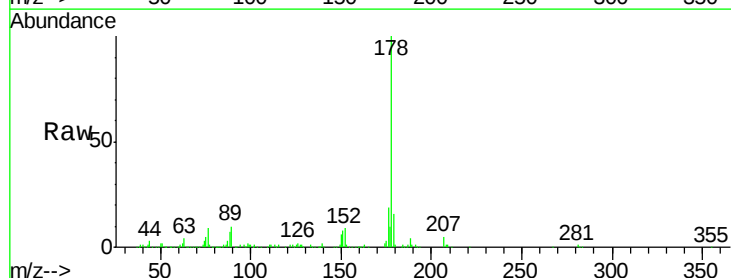
Delta R.T. -0.00 min

Lab File: BM014819.D

Acq: 24 Apr 2018 20:50

Tgt Ion:178 Resp: 308594

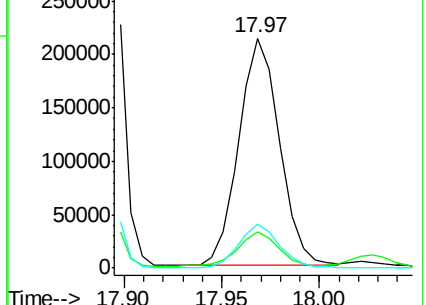
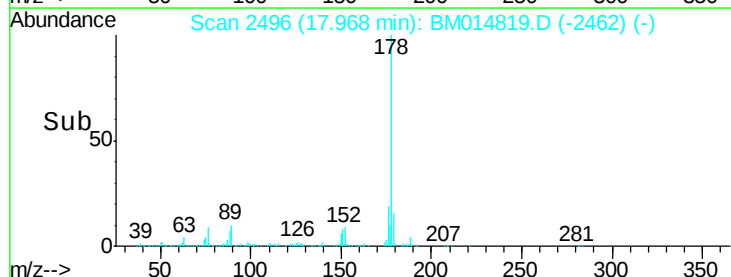
Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	19.1	14.6	21.8

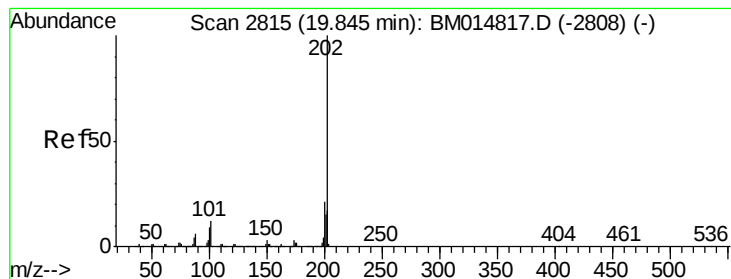


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 8.368 ng/ul

RT: 19.84 min Scan# 2815

Delta R.T. -0.00 min

Lab File: BM014819.D

Acq: 24 Apr 2018 20:50

Instrument :

BNA_M

ClientSampleId :

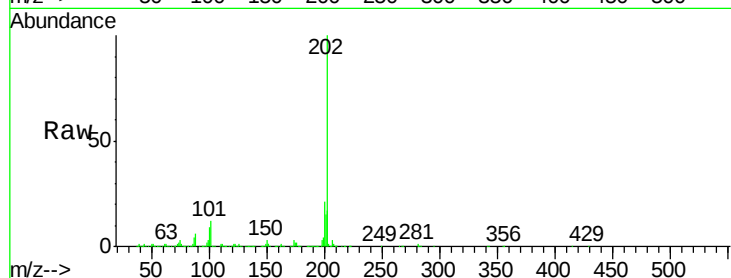
Tot Ion:202 Resp: 1140987

Ion Ratio Lower Upper

202 100

101 11.5 4.6 7.0#

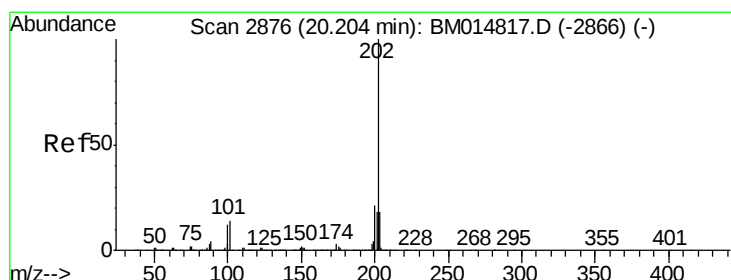
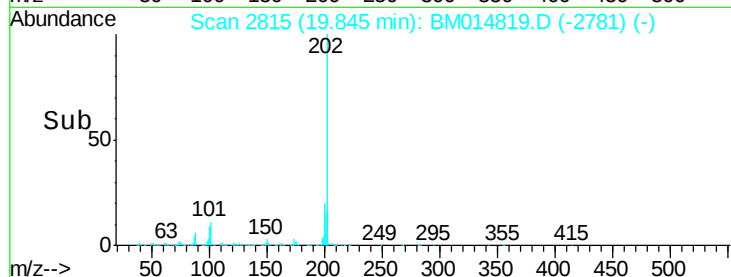
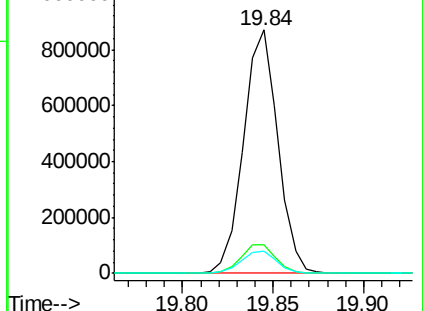
100 9.1 3.4 5.2#



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: 5.464 ng/ul

RT: 20.20 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BM014819.D

Acq: 24 Apr 2018 20:50

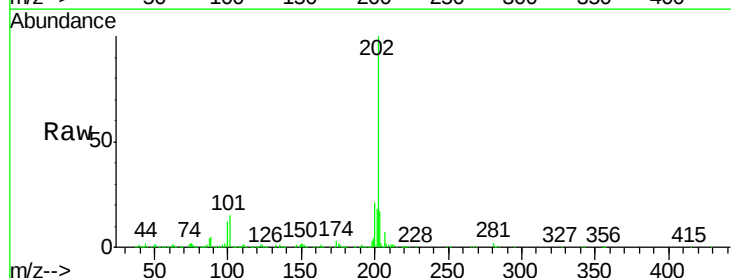
Tgt Ion:202 Resp: 822188

Ion Ratio Lower Upper

202 100

101 14.6 5.1 7.7#

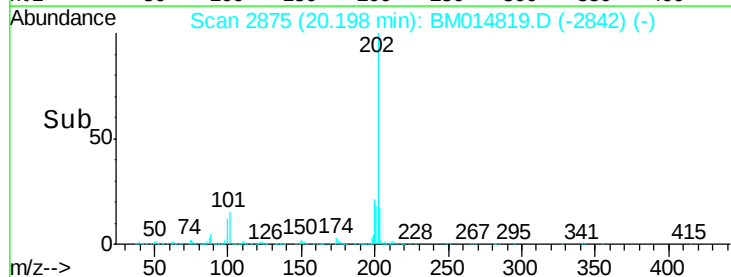
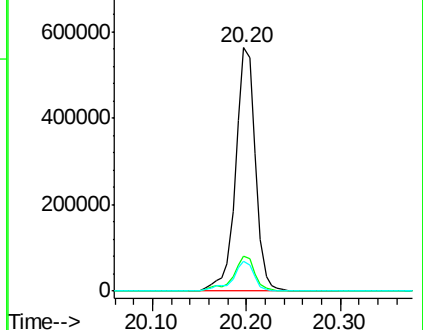
100 12.1 4.9 7.3#

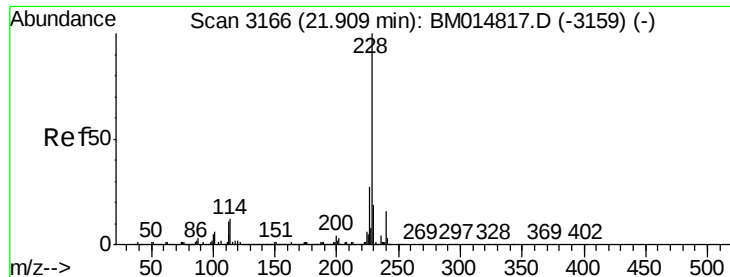


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.792 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM014819.D

Acq: 24 Apr 2018 20:50

Instrument :

BNA_M

ClientSampleId :

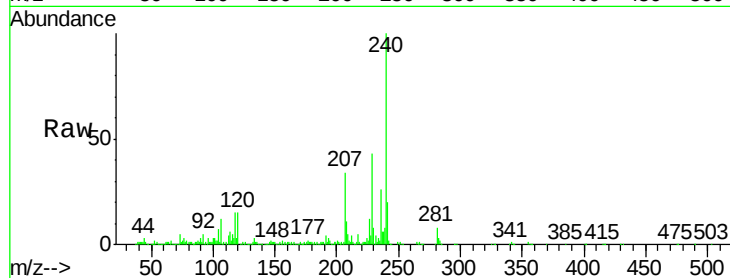
Tot Ion:228 Resp: 269878

Ion Ratio Lower Upper

228 100

229 19.6 15.4 23.0

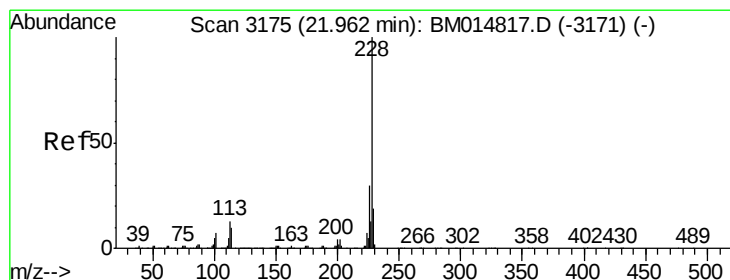
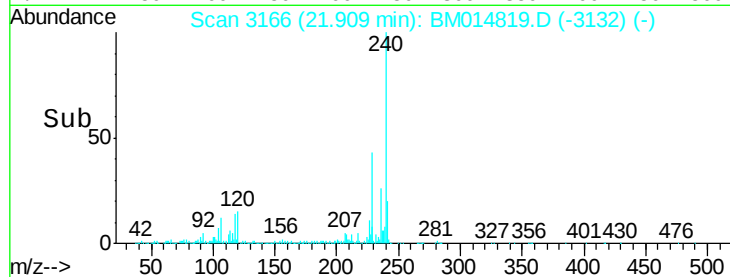
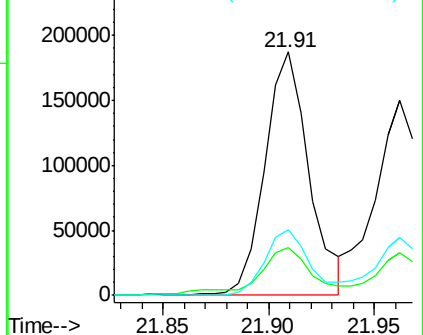
226 27.1 21.4 32.0



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



#82

Chrysene

Concen: 1.584 ng/ul

RT: 21.96 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BM014819.D

Acq: 24 Apr 2018 20:50

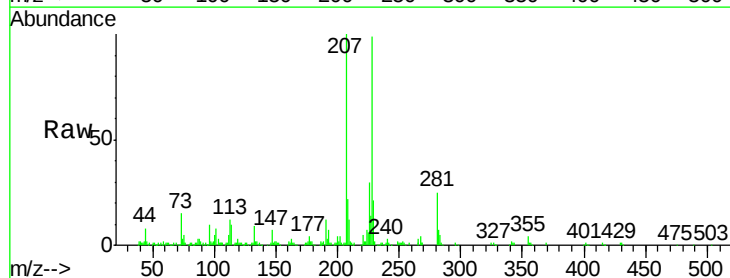
Tgt Ion:228 Resp: 223321

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

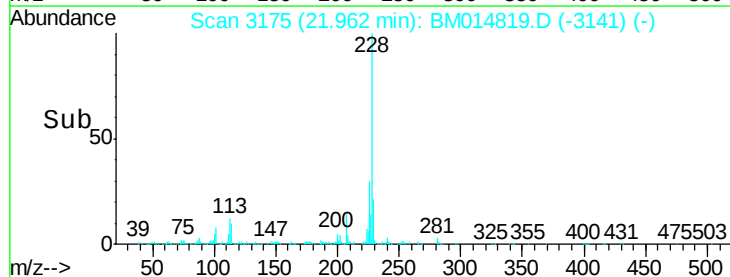
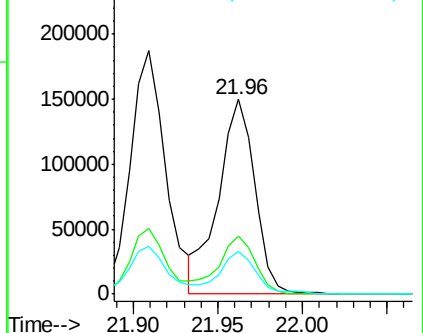
229 21.6 15.5 23.3

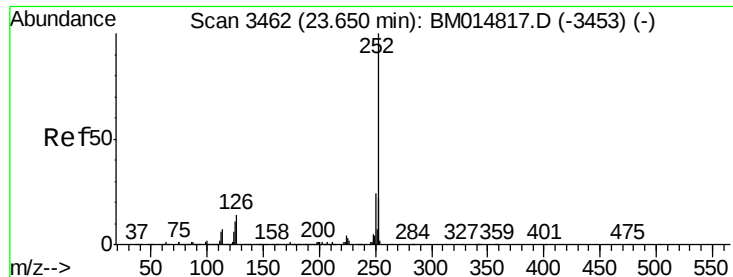


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 1.001 ng/u1

RT: 23.65 min Scan# 3462

Delta R.T. -0.00 min

Lab File: BM014819.D

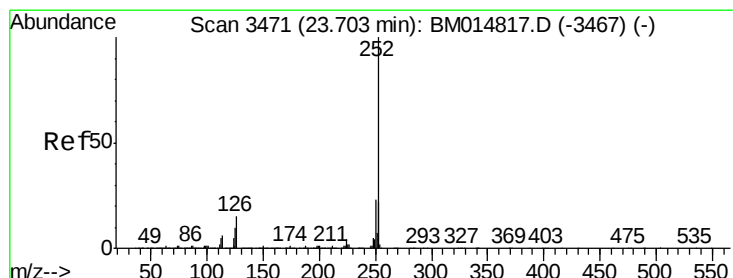
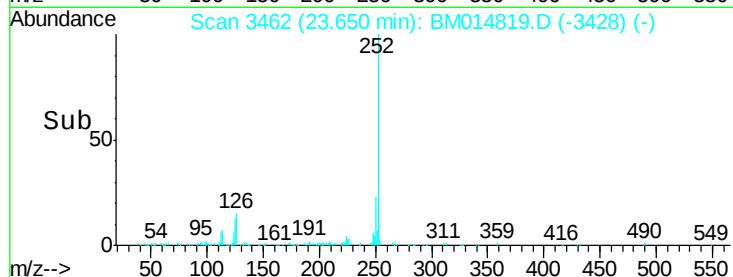
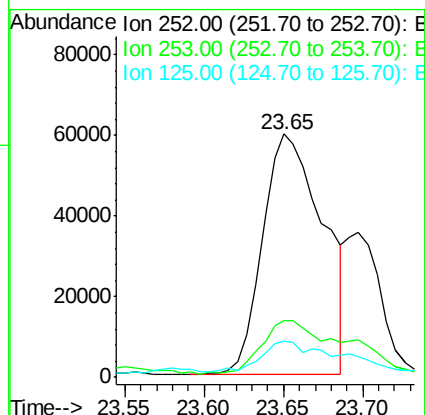
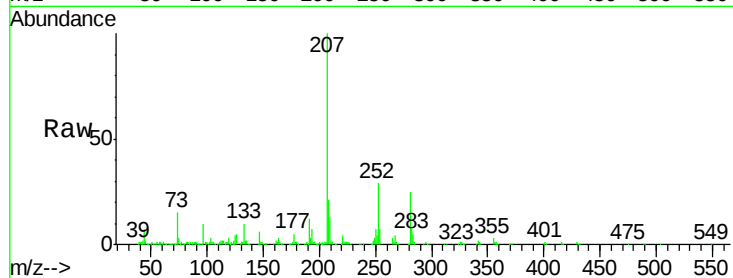
Acq: 24 Apr 2018 20:50

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	157656
Ion Ratio	Lower	Upper
252	100	
253	23.5	17.9 26.9
125	15.0	3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 1.041 ng/u1

RT: 23.65 min Scan# 3462

Delta R.T. -0.05 min

Lab File: BM014819.D

Acq: 24 Apr 2018 20:50

Tgt Ion:252	Resp:	157656
Ion Ratio	Lower	Upper
252	100	
253	23.5	17.1 25.7
125	15.0	3.4 5.2#

