

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
 Data File : BM021660.D
 Acq On : 26 Jul 2019 06:09
 Operator : HP/JU
 Sample : K3893-08
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 26 08:04:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 24 01:21:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	138537	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	652285	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.34	164	474755	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1125621	20.00	ng/ul	0.00
77) Chrysene-d12	21.29	240	1323379	20.00	ng/ul	0.00
85) Perylene-d12	23.53	264	1350860	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	10644	4.19	ng/uL	0.00
5) Phenol-d5	6.87	99	236171	20.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	145071	21.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	199460	21.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	200281	19.95	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	110546	22.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	127390	24.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	245415	21.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	272923	24.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	880758	21.65	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	991659	20.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	81320	11.65	ng/ul	0.00
57) Fluorene-d10	15.34	176	796221	21.69	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.48	200	70304	9.97	ng/ul	0.00
70) Anthracene-d10	17.19	188	1311842	23.69	ng/ul	0.00
78) Pyrene-d10	19.49	212	1637743	25.36	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.39	264	1677056	23.25	ng/ul	-0.01

Target Compounds

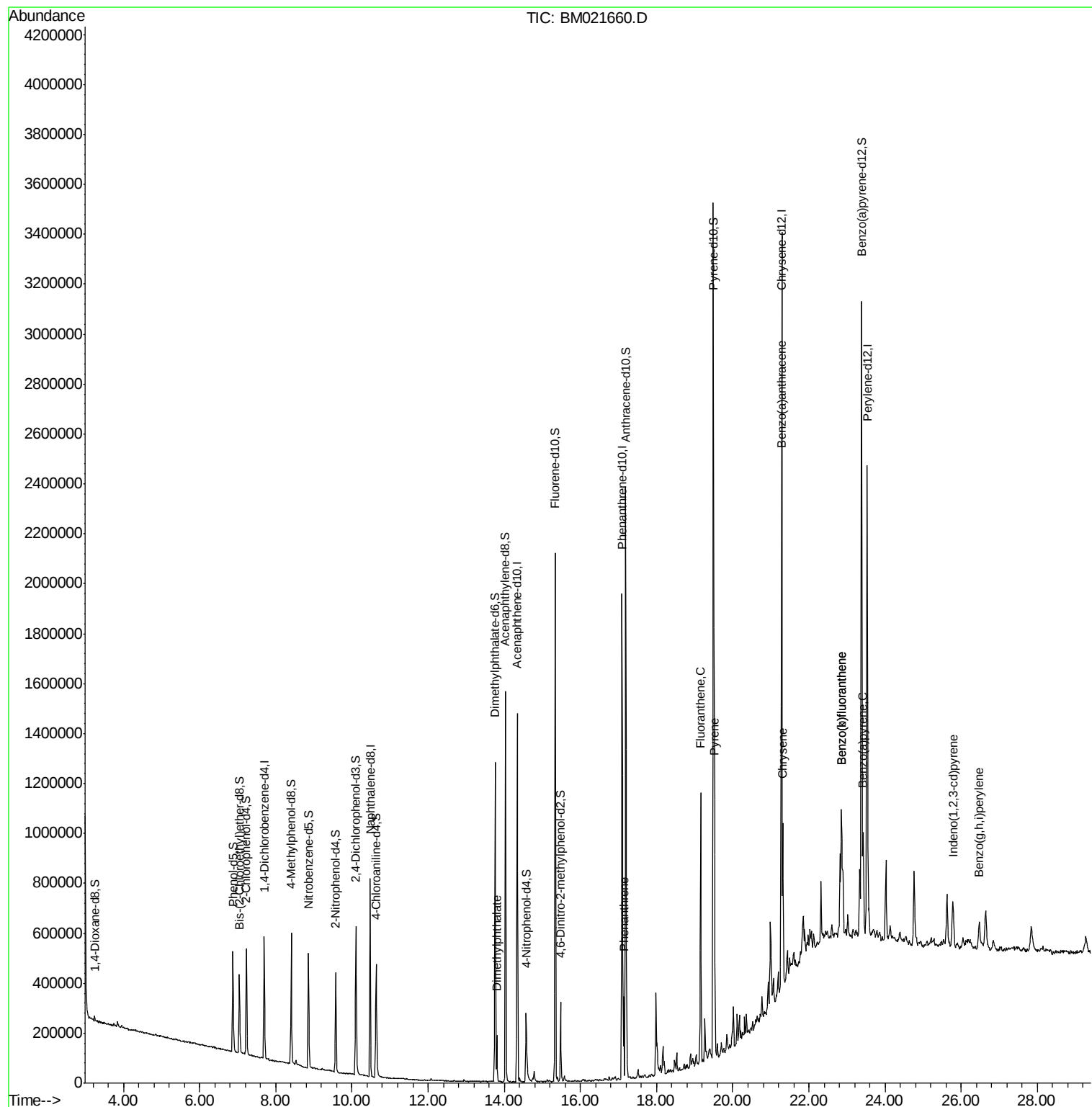
					Ovalue
44) Dimethylphthalate	13.80	163	117221	3.002	ng/ul 100
69) Phenanthrene	17.14	178	196069	3.193	ng/ul 100
76) Fluoranthene	19.16	202	612761	8.049	ng/ul 100
79) Pyrene	19.52	202	591042	7.498	ng/ul 100
82) Benzo(a)anthracene	21.27	228	318999	3.677	ng/ul 98
84) Chrysene	21.32	228	355987	4.303	ng/ul 98
87) Benzo(b)fluoranthene	22.86	252	430355	5.269	ng/ul# 98
88) Benzo(k)fluoranthene	22.86	252	430355	5.371	ng/ul 99
90) Benzo(a)pyrene	23.43	252	280046	3.571	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.78	276	167022	1.754	ng/ul 97
93) Benzo(g,h,i)perylene	26.47	276	130432	1.691	ng/ul 97

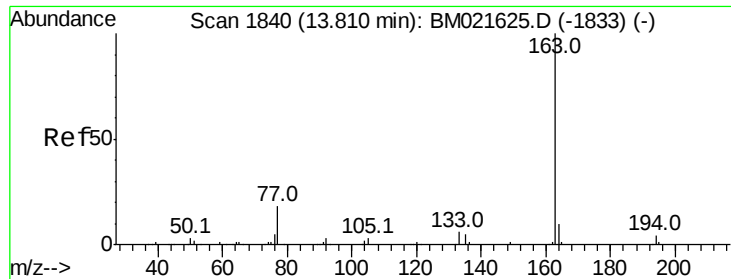
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 24 01:21:49 2019
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 3.002 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BM021660.D

Acq: 26 Jul 2019 06:09

Instrument :

BNA_M

ClientSampled :

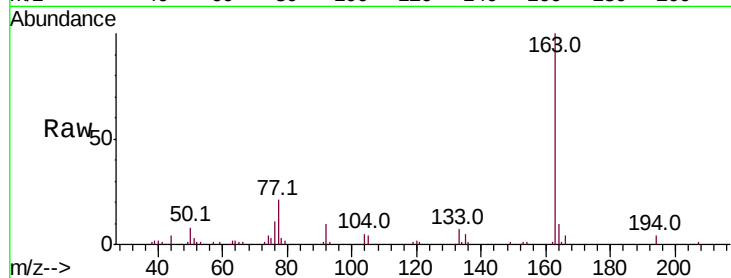
Tot Ion:163 Resp: 117221

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

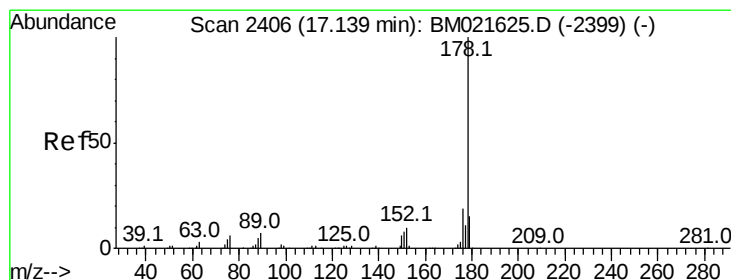
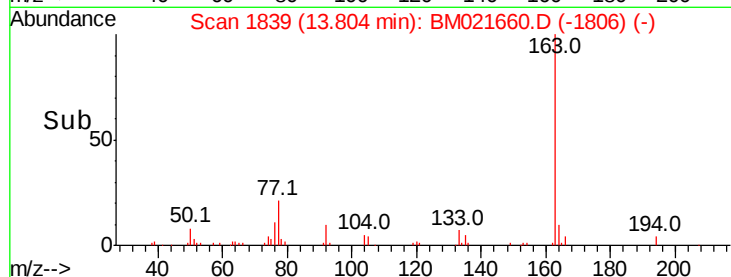
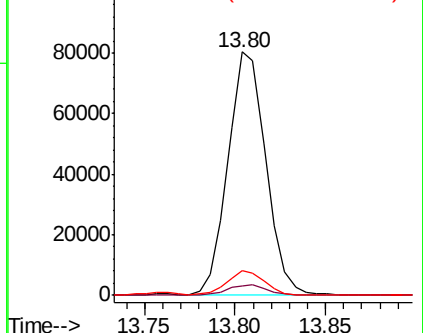
164 10.4 8.2 12.4



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



#69

Phenanthrene

Concen: 3.193 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.00 min

Lab File: BM021660.D

Acq: 26 Jul 2019 06:09

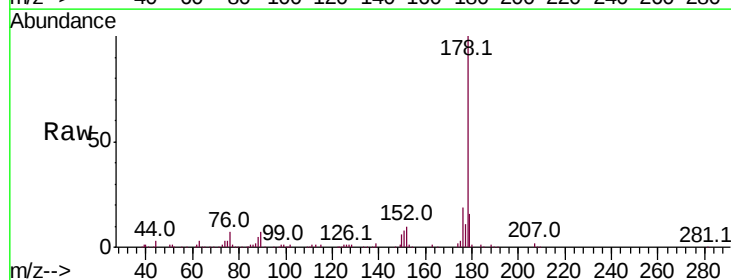
Tgt Ion:178 Resp: 196069

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

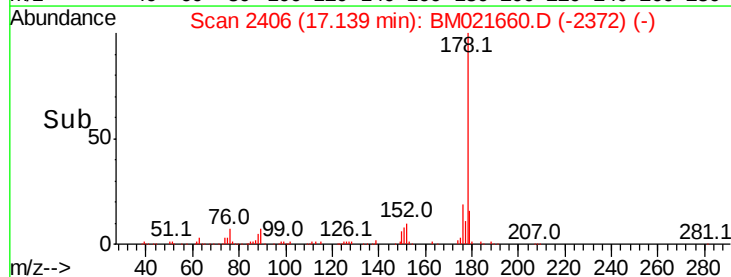
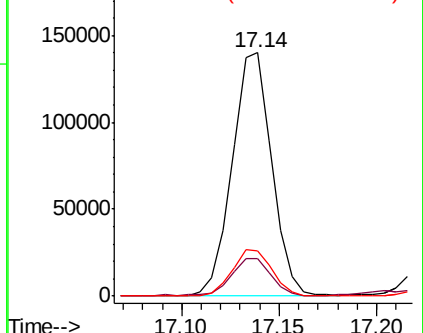
176 18.6 15.0 22.4

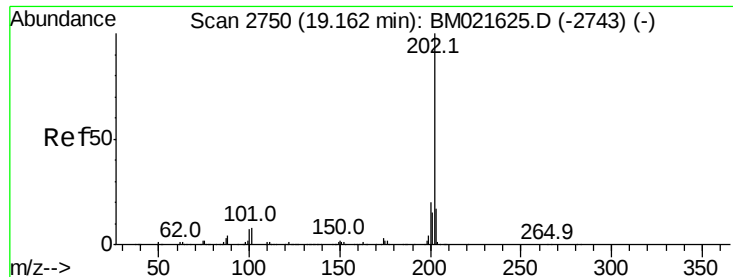


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

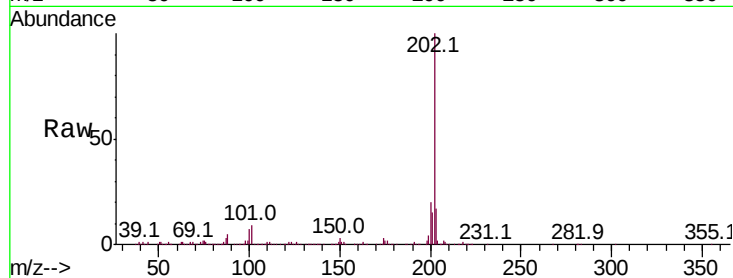




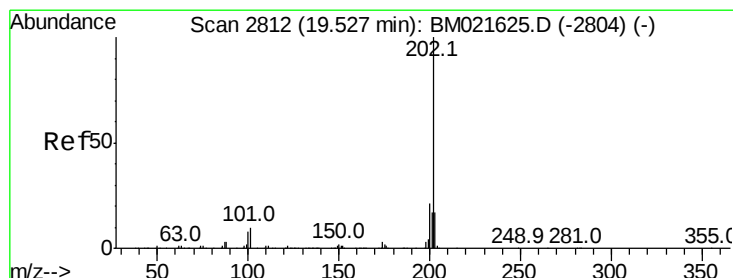
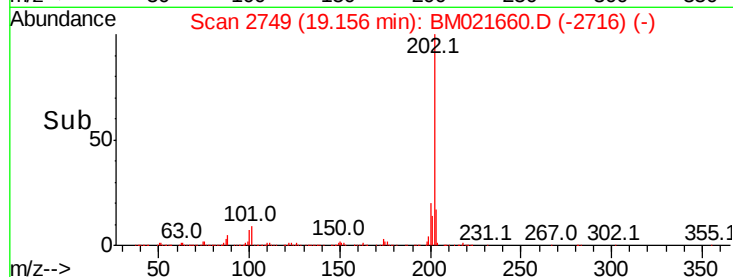
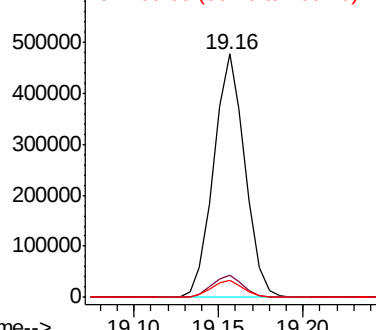
#76
Fluoranthene
Concen: 8.049 ng/ul
RT: 19.16 min Scan# 2749
Delta R.T. -0.01 min
Lab File: BM021660.D
Acq: 26 Jul 2019 06:09

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.2	10.8
100	6.8	5.6	8.4

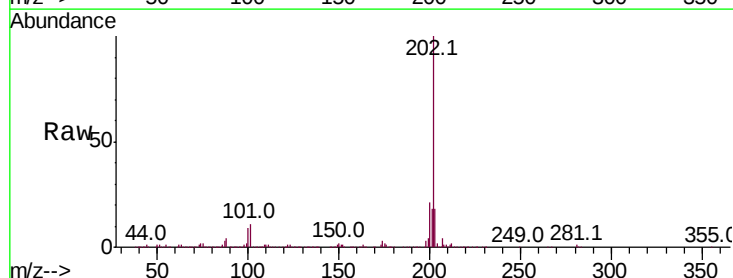


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

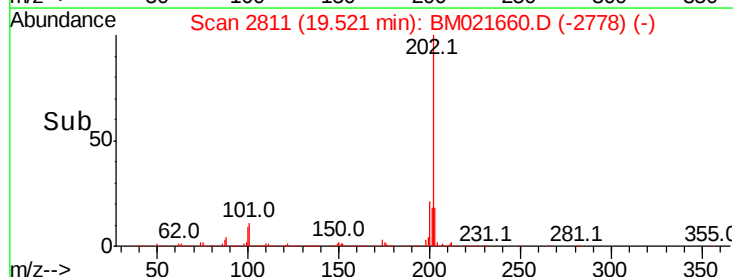
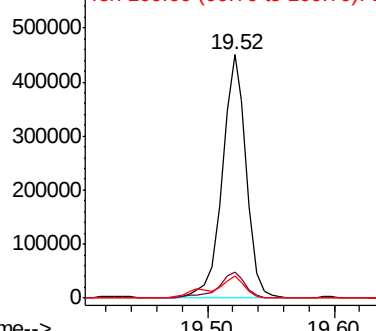


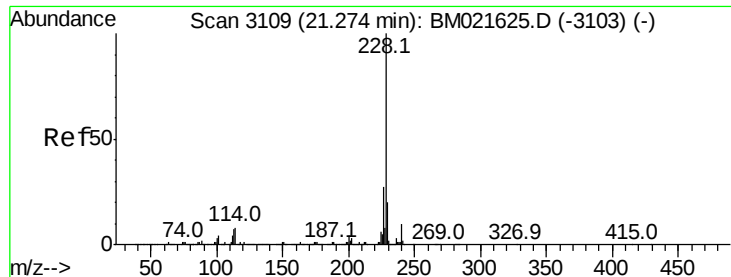
#79
Pyrene
Concen: 7.498 ng/ul
RT: 19.52 min Scan# 2811
Delta R.T. -0.01 min
Lab File: BM021660.D
Acq: 26 Jul 2019 06:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.6	13.0
100	8.9	7.1	10.7



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





#82

Benzo(a)anthracene

Concen: 3.677 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM021660.D

Acq: 26 Jul 2019 06:09

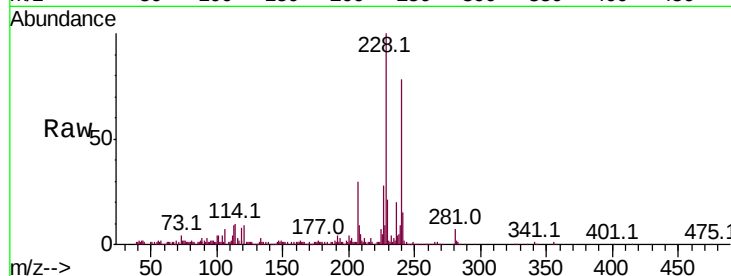
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 318999

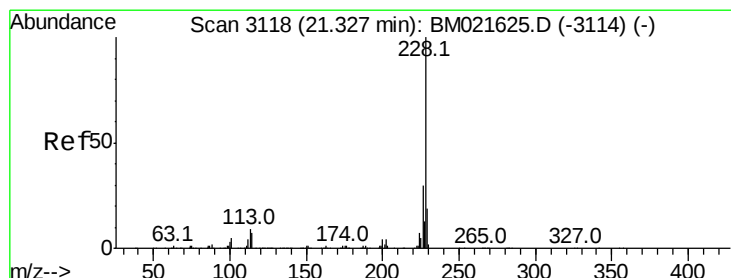
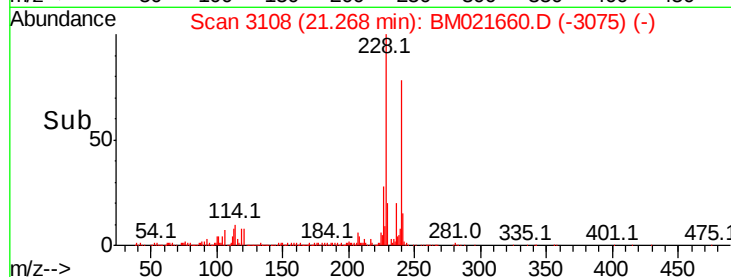
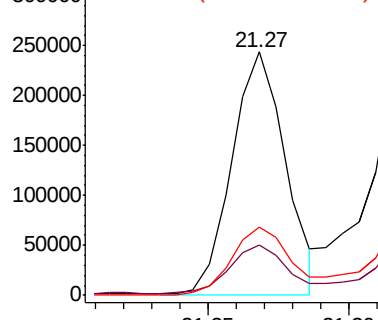
Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.6
226	28.2	21.7	32.5



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



#84

Chrysene

Concen: 4.303 ng/ul

RT: 21.32 min Scan# 3117

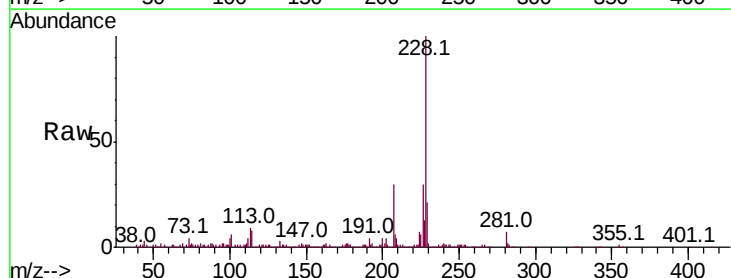
Delta R.T. -0.01 min

Lab File: BM021660.D

Acq: 26 Jul 2019 06:09

Tgt Ion:228 Resp: 355987

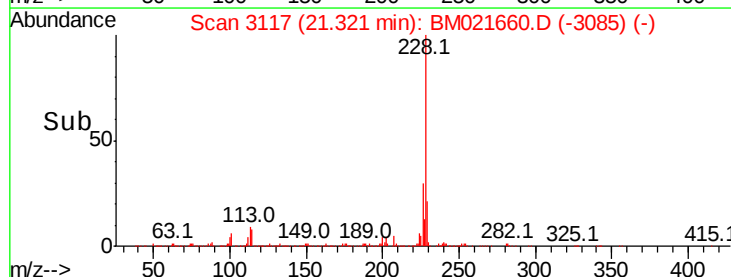
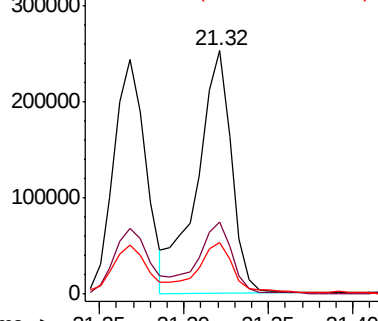
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	21.3	15.4	23.2

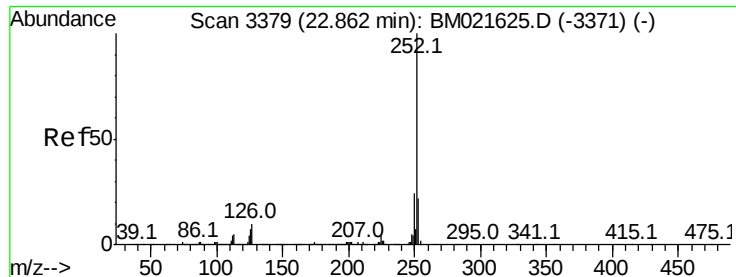


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 5.269 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. -0.01 min

Lab File: BM021660.D

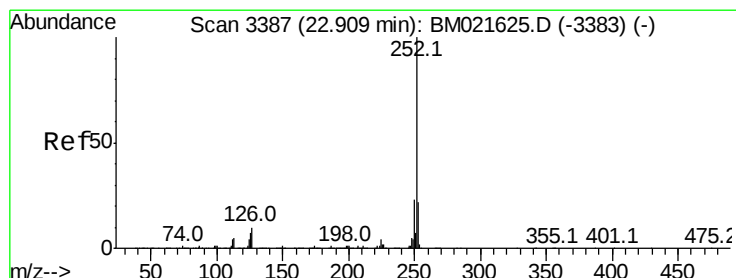
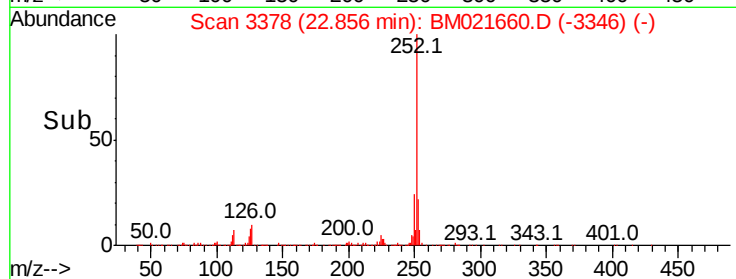
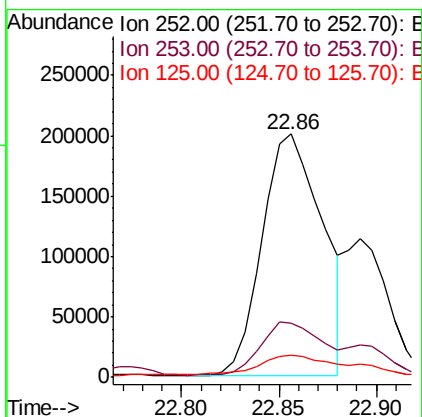
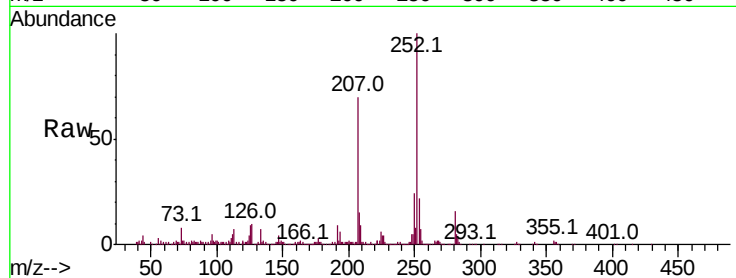
Acq: 26 Jul 2019 06:09

Instrument :

BNA_M

ClientSampled :

Tot Ion:252	Resp:	430355
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.6 26.4
125	9.0	5.8 8.6#



#88

Benzo(k)fluoranthene

Concen: 5.371 ng/ul

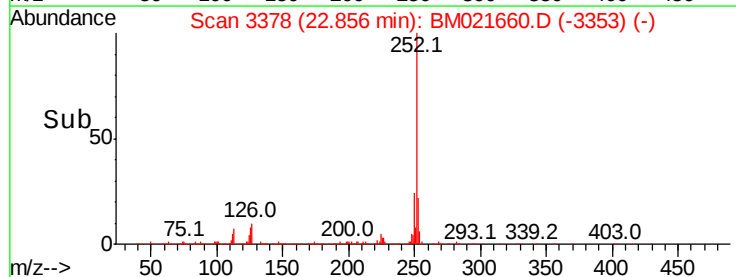
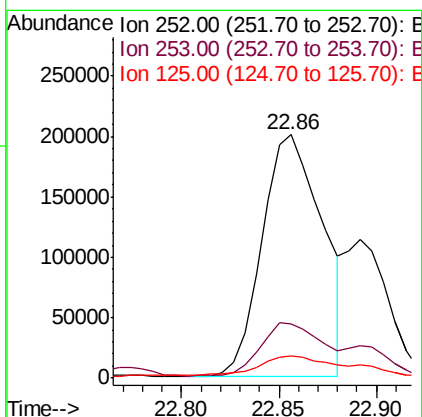
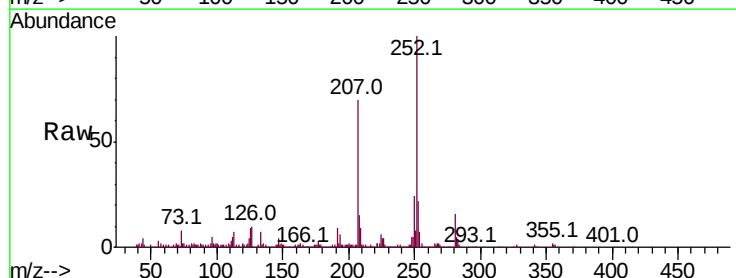
RT: 22.86 min Scan# 3378

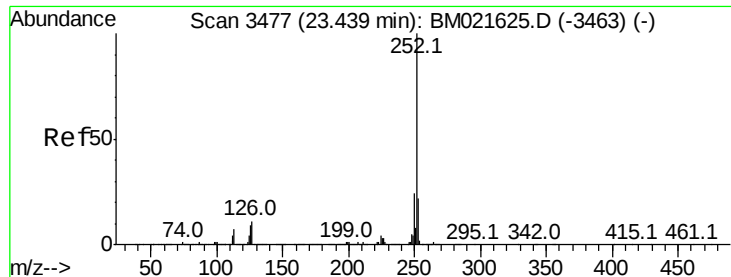
Delta R.T. -0.05 min

Lab File: BM021660.D

Acq: 26 Jul 2019 06:09

Tgt Ion:252	Resp:	430355
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.7 26.5
125	9.0	6.4 9.6





#90

Benzo(a)pyrene

Concen: 3.571 ng/ul

RT: 23.43 min Scan# 3475

Delta R.T. -0.02 min

Lab File: BM021660.D

Acq: 26 Jul 2019 06:09

Instrument :

BNA_M

ClientSampleId :

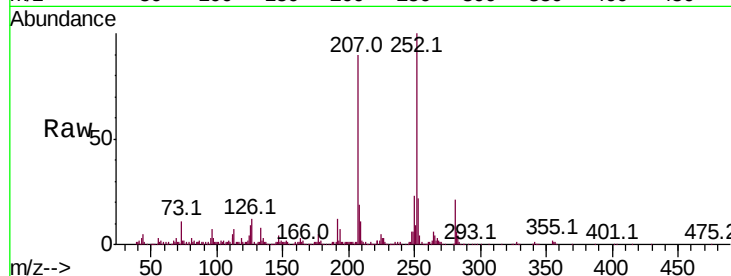
Tot Ion:252 Resp: 280046

Ion Ratio Lower Upper

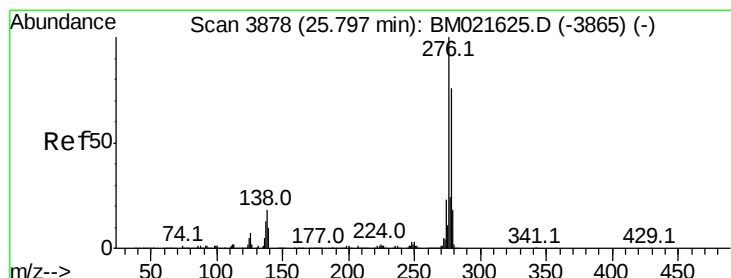
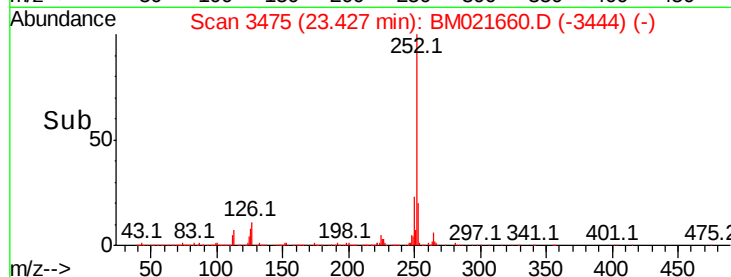
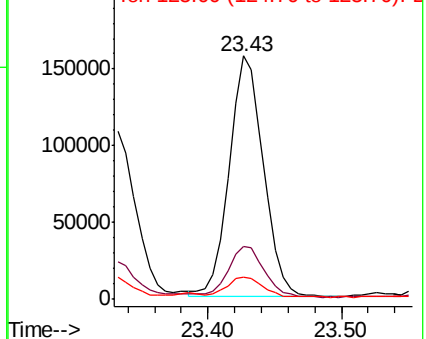
252 100

253 21.9 17.8 26.6

125 9.2 7.0 10.4



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 1.754 ng/ul

RT: 25.78 min Scan# 3875

Delta R.T. -0.02 min

Lab File: BM021660.D

Acq: 26 Jul 2019 06:09

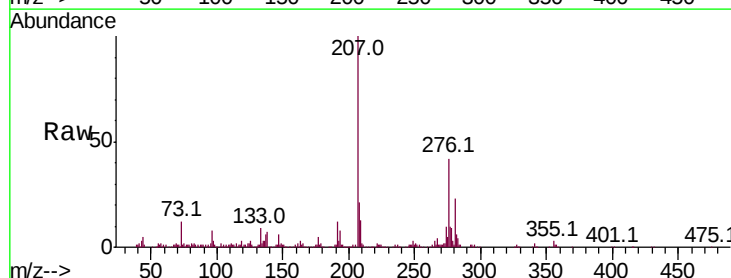
Tgt Ion:276 Resp: 167022

Ion Ratio Lower Upper

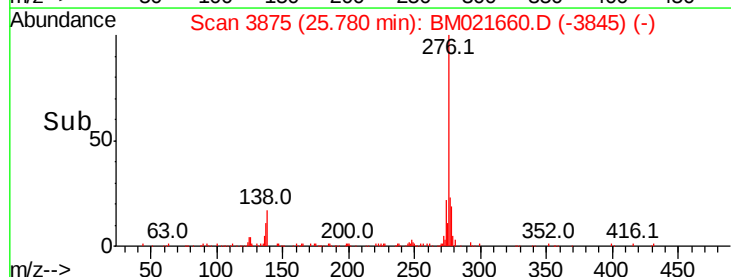
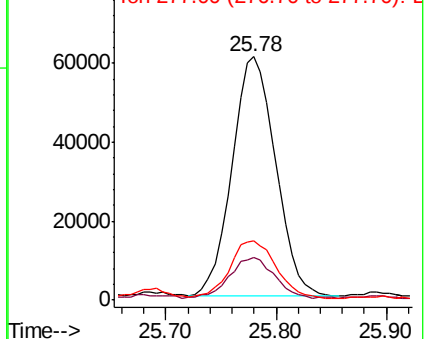
276 100

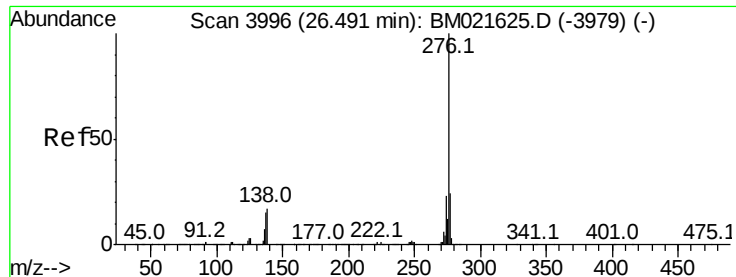
138 17.3 15.2 22.8

277 24.4 20.2 30.2



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





#93

Benzo(a,h,i)perylene

Concen: 1.691 ng/ul

RT: 26.47 min Scan# 3993

Delta R.T. -0.02 min

Lab File: BM021660.D

Acq: 26 Jul 2019 06:09

Instrument :

BNA_M

ClientSampleId :

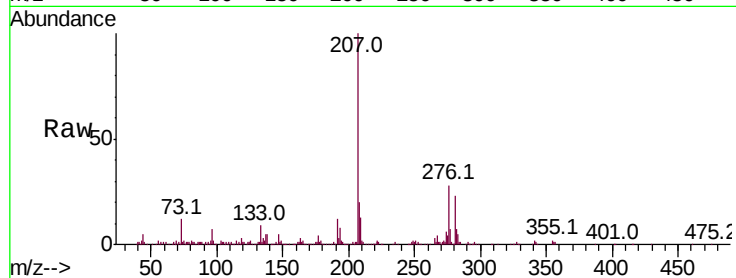
Tot Ion:276 Resp: 130432

Ion Ratio Lower Upper

276 100

138 17.8 13.7 20.5

277 25.9 19.0 28.6



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

