

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102419\
 Data File : BM023397.D
 Acq On : 25 Oct 2019 06:00
 Operator : JU
 Sample : K5403-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 25 11:53:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 23 18:47:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	624477	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	2462405	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	1380028	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	2134984	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	1705354	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	2254815	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	431	0.03	ng/uL	-0.02
5) Phenol-d5	6.87	99	291	0.01	ng/ul	0.06
7) Bis-(2-Chloroethyl)ether-d	6.98	67	527	0.02	ng/ul	0.00
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	8.35	113	109	0.00	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	256	0.01	ng/ul	-0.05
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	10.17	165	436	0.01	ng/ul	0.12
29) 4-Chloroaniline-d4	10.55	131	1600	0.03	ng/ul	-0.01
44) Dimethylphthalate-d6	13.71	166	483	0.00	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	260	0.00	ng/ul	-0.02
52) 4-Nitrophenol-d4	14.49	143	433	0.02	ng/ul	0.00
58) Fluorene-d10	15.27	176	2900	0.03	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.42	200	302	0.02	ng/ul	0.00
71) Anthracene-d10	17.03	188	2134984	21.16	ng/ul	-0.10
79) Pyrene-d10	19.43	212	2228	0.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.43	264	2243652	19.53	ng/ul	0.14

Target Compounds

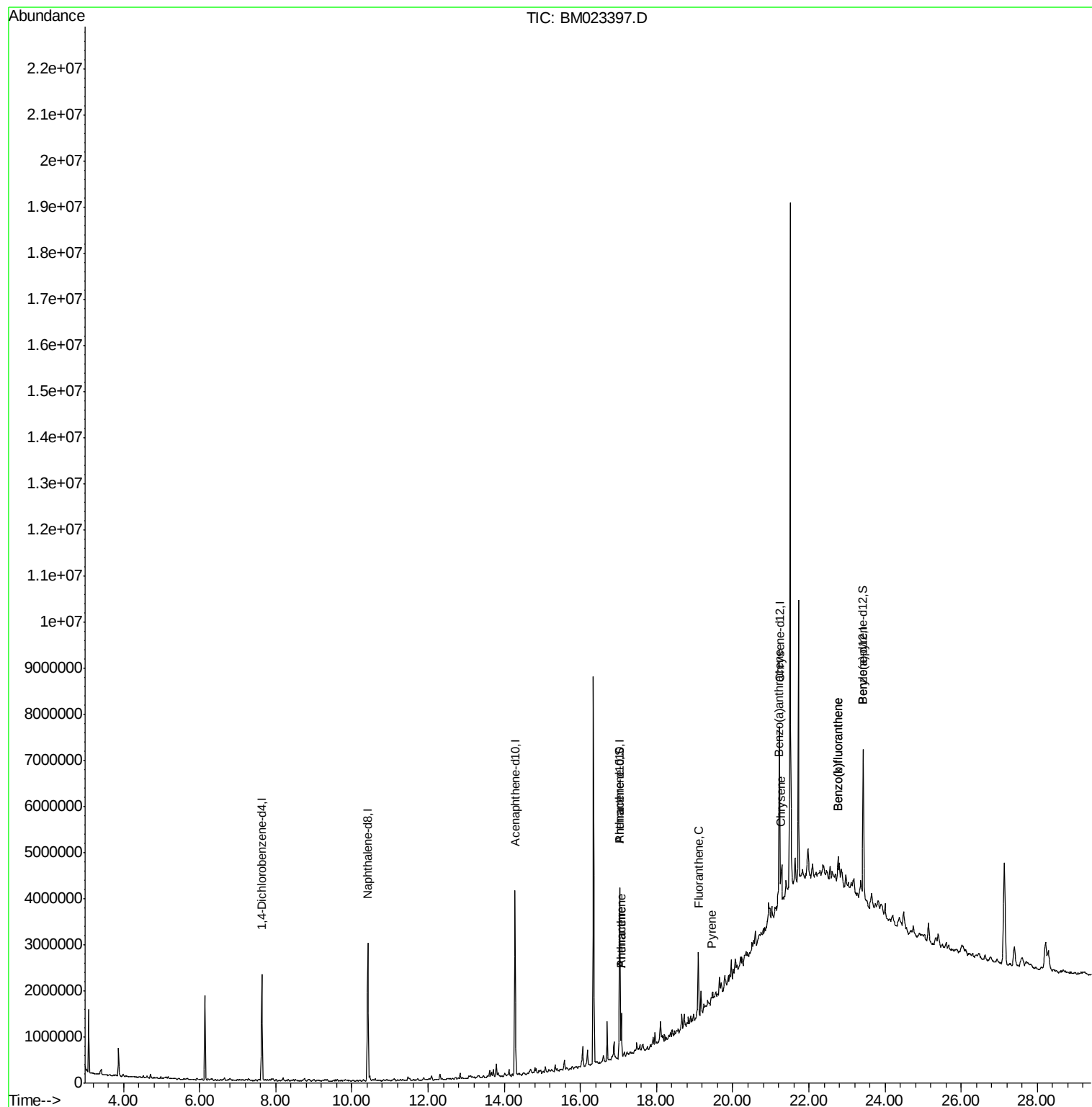
					Ovalue	
70) Phenanthrene	17.07	178	575466	4.823	ng/ul	99
72) Anthracene	17.07	178	577103	4.774	ng/ul	98
77) Fluoranthene	19.10	202	827002	6.645	ng/ul	100
80) Pyrene	19.46	202	145070	1.205	ng/ul	99
83) Benzo(a)anthracene	21.21	228	190611	1.671	ng/ul	95
85) Chrysene	21.26	228	376400	3.577	ng/ul	97
88) Benzo(b)fluoranthene	22.77	252	220270	1.521	ng/ul#	66
89) Benzo(k)fluoranthene	22.77	252	220270	1.620	ng/ul#	67

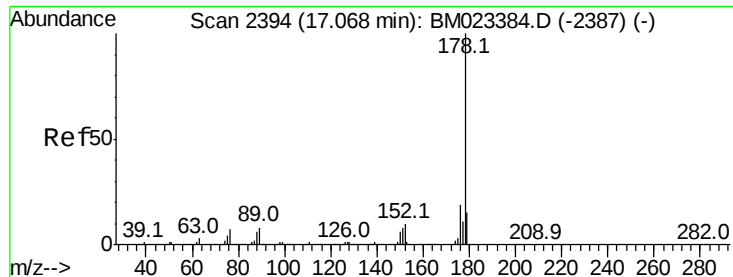
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#70

Phenanthrene

Concen: 4.823 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM023397.D

Acq: 25 Oct 2019 06:00

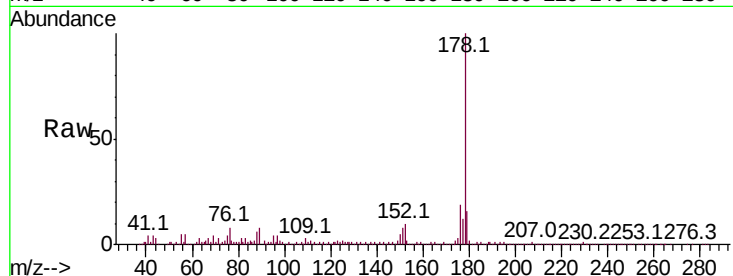
Instrument :

BNA_M

ClientSampled :

Tot Ion:178 Resp: 575466

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.2
176	18.9	14.9	22.3

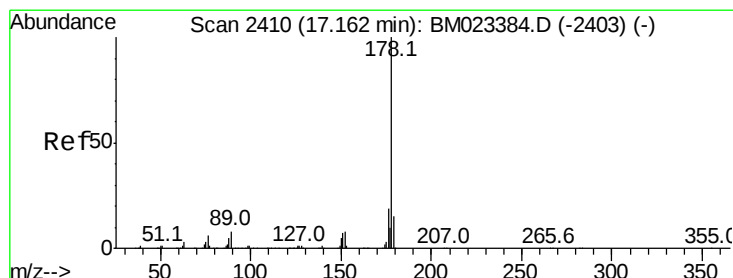
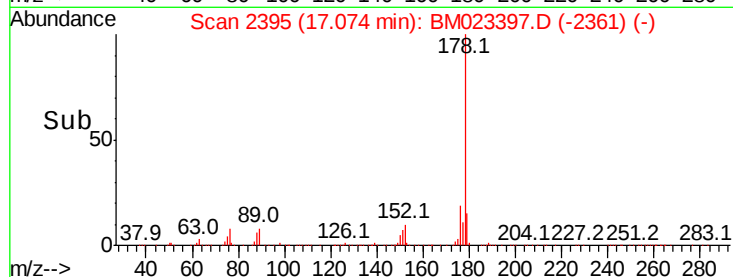
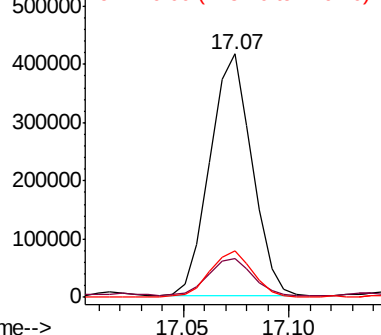


Abundance

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



#72

Anthracene

Concen: 4.774 ng/ul

RT: 17.07 min Scan# 2395

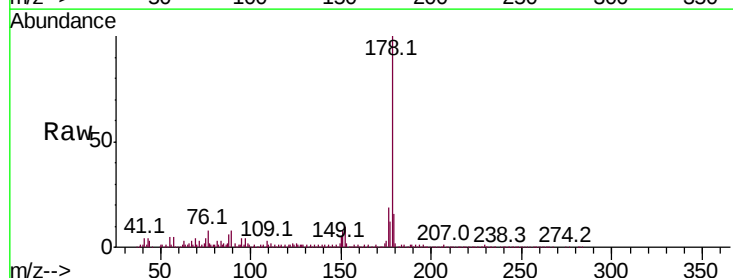
Delta R.T. -0.09 min

Lab File: BM023397.D

Acq: 25 Oct 2019 06:00

Tgt Ion:178 Resp: 577103

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.1	18.1
176	18.9	14.4	21.6

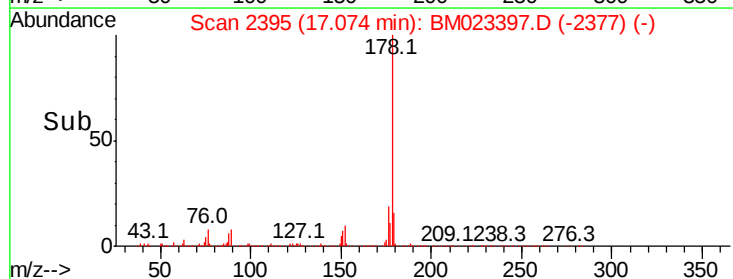
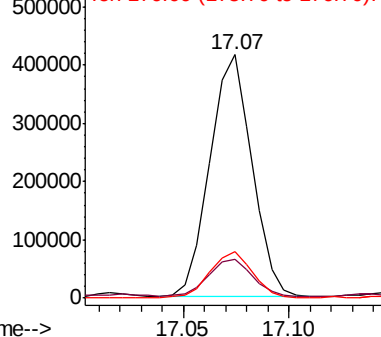


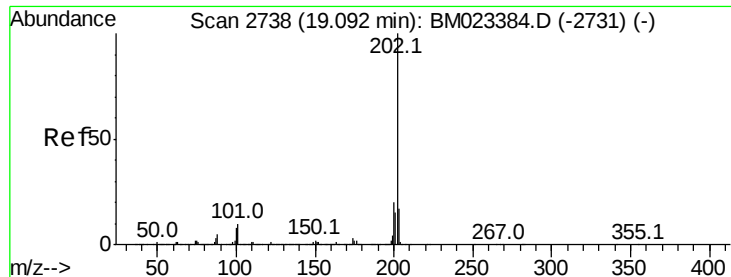
Abundance

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

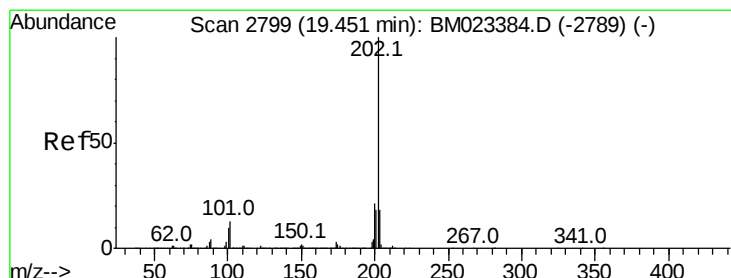
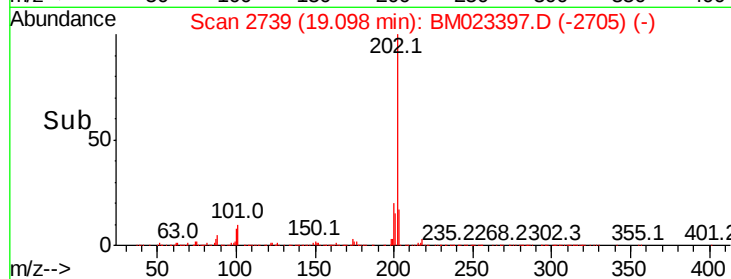
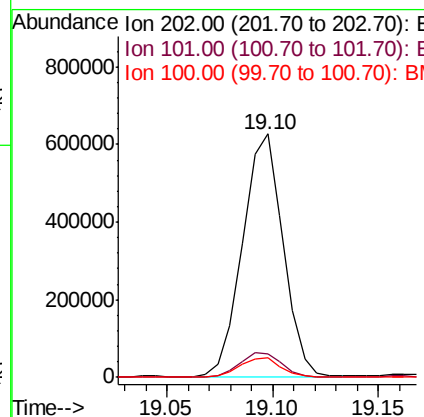
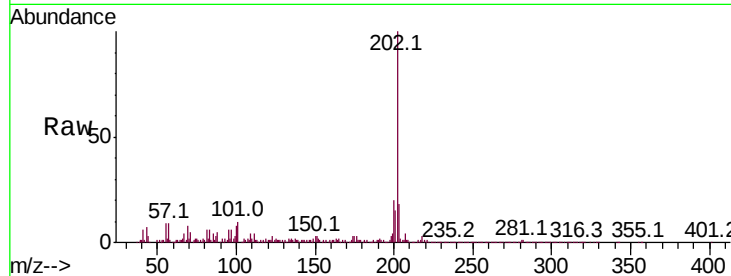




#77
 Fluoranthene
 Concen: 6.645 ng/ul
 RT: 19.10 min Scan# 2739
 Delta R.T. -0.00 min
 Lab File: BM023397.D
 Acq: 25 Oct 2019 06:00

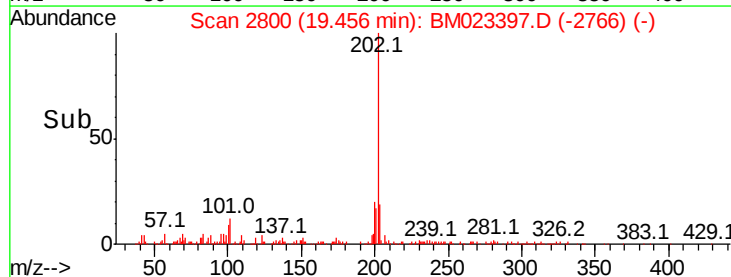
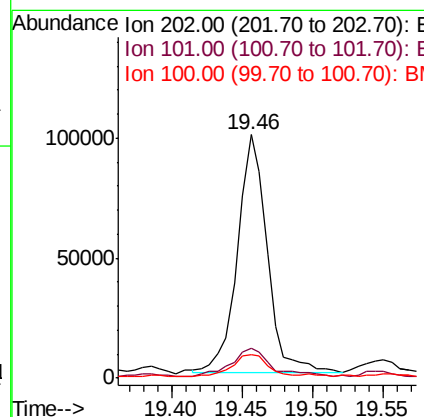
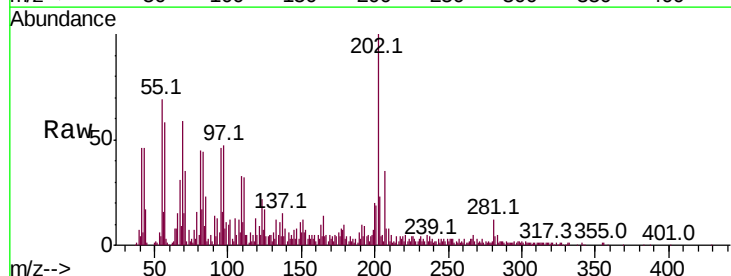
Instrument :
 BNA_M
 ClientSampleId :

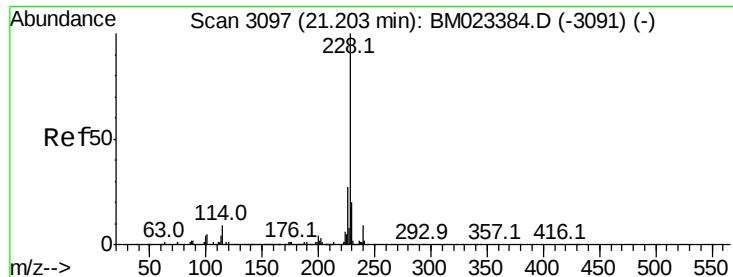
Tot Ion:	202	Resp:	827002
Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.1	12.1
100	7.8	6.2	9.2



#80
 Pyrene
 Concen: 1.205 ng/ul
 RT: 19.46 min Scan# 2800
 Delta R.T. -0.00 min
 Lab File: BM023397.D
 Acq: 25 Oct 2019 06:00

Tgt Ion:	202	Resp:	145070
Ion	Ratio	Lower	Upper
202	100		
101	12.5	10.0	15.0
100	9.7	8.3	12.5





#83

Benzo(a)anthracene

Concen: 1.671 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM023397.D

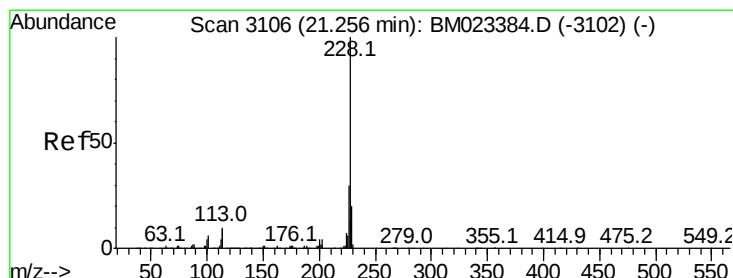
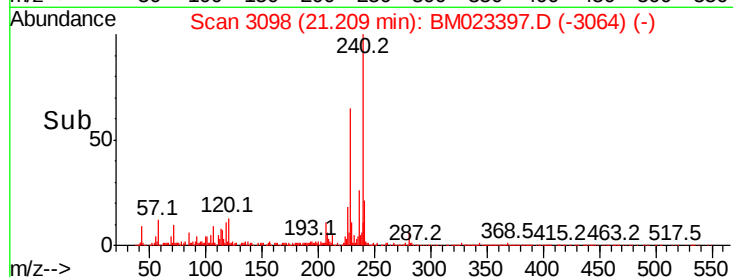
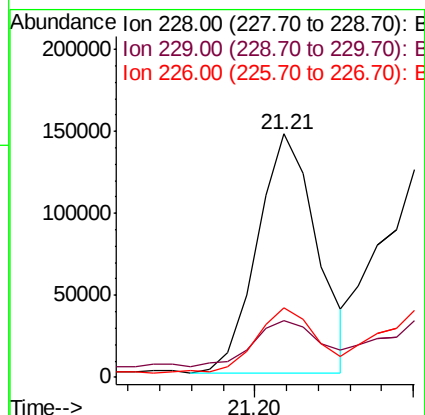
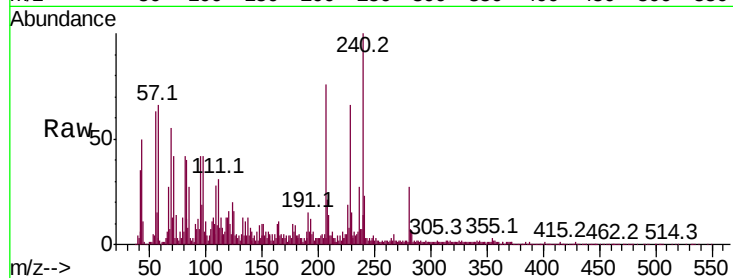
Acq: 25 Oct 2019 06:00

Instrument :

BNA_M

ClientSampleId :

Tot Ion:228	Resp:	190611
Ion	Ratio	Lower Upper
228	100	
229	23.4	15.8 23.8
226	28.5	21.6 32.4



#85

Chrysene

Concen: 3.577 ng/ul

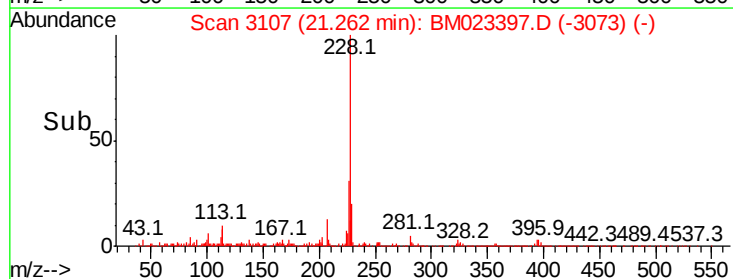
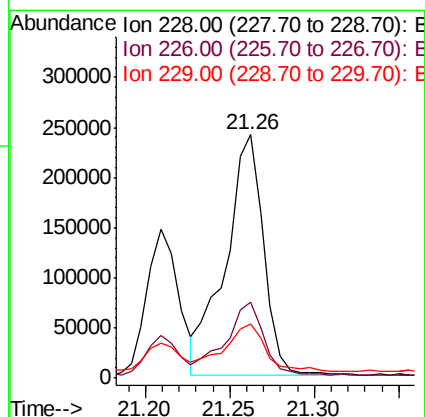
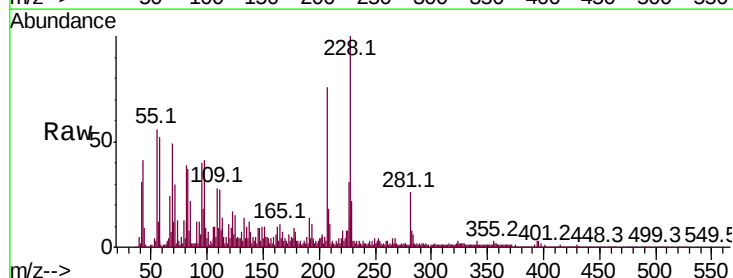
RT: 21.26 min Scan# 3107

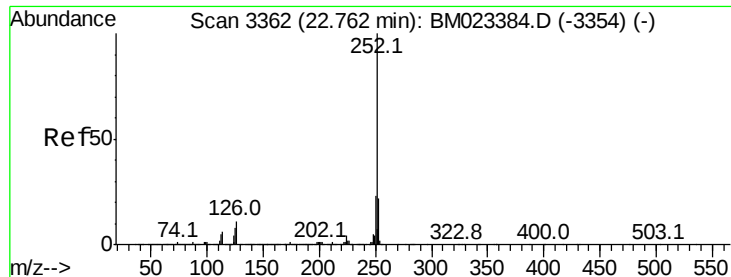
Delta R.T. -0.00 min

Lab File: BM023397.D

Acq: 25 Oct 2019 06:00

Tgt Ion:228	Resp:	376400
Ion	Ratio	Lower Upper
228	100	
226	31.2	24.0 36.0
229	22.3	16.0 24.0





#88

Benzo(b)fluoranthene

Concen: 1.521 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.00 min

Lab File: BM023397.D

Acq: 25 Oct 2019 06:00

Instrument :

BNA_M

ClientSampled :

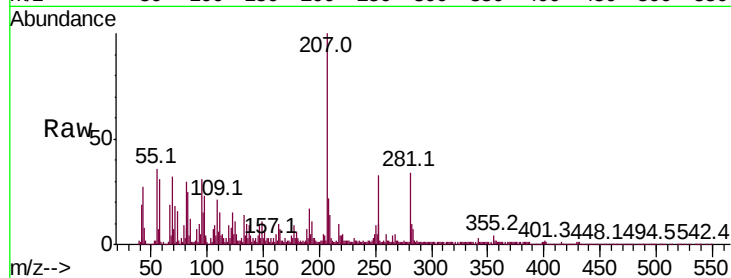
Tot Ion:252 Resp: 220270

Ion Ratio Lower Upper

252 100

253 30.9 17.5 26.3#

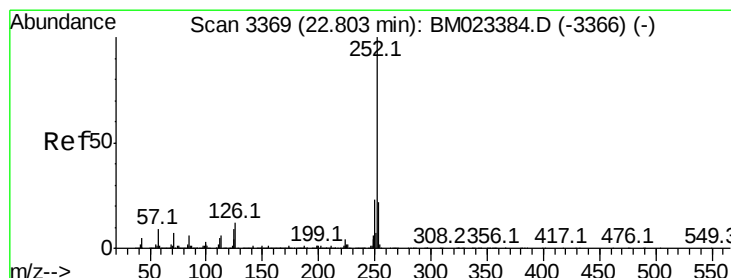
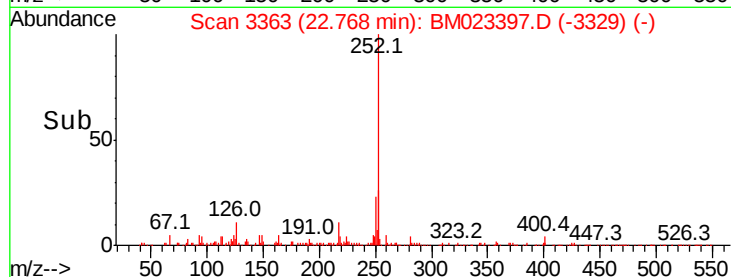
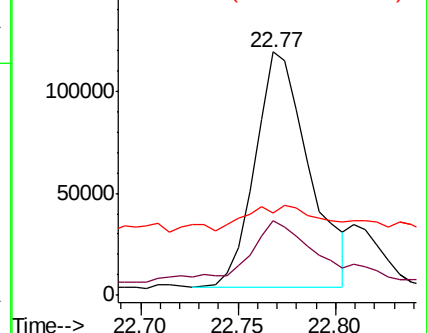
125 34.0 7.1 10.7#



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

Benzo(k)fluoranthene

Concen: 1.620 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.05 min

Lab File: BM023397.D

Acq: 25 Oct 2019 06:00

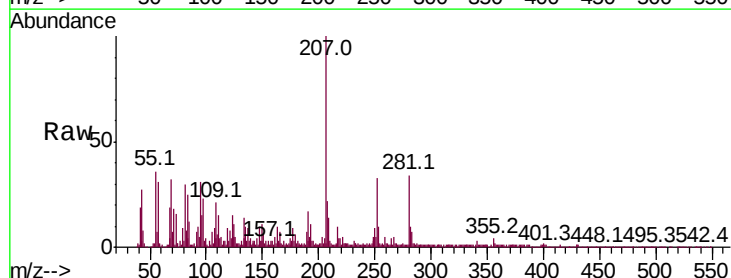
Tgt Ion:252 Resp: 220270

Ion Ratio Lower Upper

252 100

253 30.9 17.8 26.6#

125 34.0 6.8 10.2#



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

