

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032320\
 Data File : BM025760.D
 Acq On : 25 Mar 2020 10:30
 Operator : CG/JU
 Sample : L1938-11
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB778

Manual Integrations
 APPROVED

mohammad
 3/27/2020 8:14:23 AM

Quant Time: Mar 25 15:52:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 25 07:24:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	234749	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	960962	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.21	164	592538	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.95	188	1211654	20.00	ng/ul	-0.01
78) Chrysene-d12	21.14	240	1260899	20.00	ng/ul	-0.01
86) Perylene-d12	23.30	264	1427227	20.00	ng/ul	-0.01

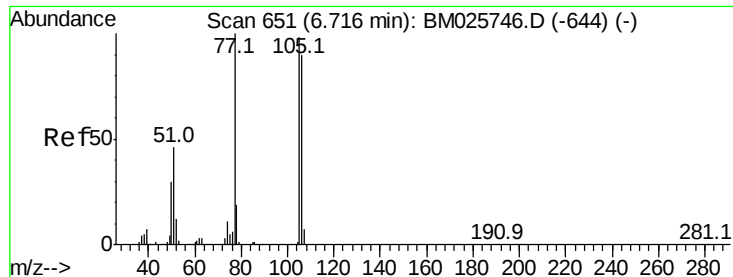
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	29488	5.27	ng/uL	0.00
5) Phenol-d5	6.75	99	547239	29.54	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.92	67	312586	29.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	464635	30.90	ng/ul	-0.01
13) 4-Methylphenol-d8	8.27	113	410701	26.98	ng/ul	-0.01
19) Nitrobenzene-d5	8.71	128	236068	33.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	258501	34.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	481241	30.99	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	556919	30.89	ng/ul	-0.01
44) Dimethylphthalate-d6	13.63	166	1414447	31.41	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	1758530	32.59	ng/ul	0.00
52) 4-Nitrophenol-d4	14.41	143	239277	27.91	ng/ul	-0.01
58) Fluorene-d10	15.20	176	1260233	31.88	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.33	200	198942	26.91	ng/ul	-0.01
71) Anthracene-d10	17.05	188	1822794	32.21	ng/ul	0.00
79) Pyrene-d10	19.35	212	2007750	33.15	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.17	264	2434347	33.31	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	6.72	77	12651	1.289	ng/ul	97
45) Dimethylphthalate	13.67	163	282765	6.032	ng/ul	99
70) Phenanthrene	16.99	178	497768	6.979	ng/ul	99
72) Anthracene	17.09	178	121618	1.673	ng/ul	99
77) Fluoranthene	19.02	202	1139444	13.554	ng/ul	98
80) Pyrene	19.38	202	1025705	12.112	ng/ul	99
83) Benzo(a)anthracene	21.13	228	614014	7.386	ng/ul	99
85) Chrysene	21.18	228	591262	7.249	ng/ul	99
88) Benzo(b)fluoranthene	22.66	252	933702	10.485	ng/ul	99
89) Benzo(k)fluoranthene	22.70	252	283304m	3.229	ng/ul	
91) Benzo(a)pyrene	23.21	252	579093	7.146	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.42	276	457612	4.276	ng/ul	96
93) Dibenzo(a,h)anthracene	25.42	278	128845	1.422	ng/ul#	93
94) Benzo(g,h,i)perylene	26.06	276	318898	3.615	ng/ul	98

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



#4

Benzaldehyde

Concen: 1.289 ng/ul

RT: 6.72 min Scan# 652

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

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Tot Ion: 77 Resp: 12651

Ion Ratio Lower Upper

77 100

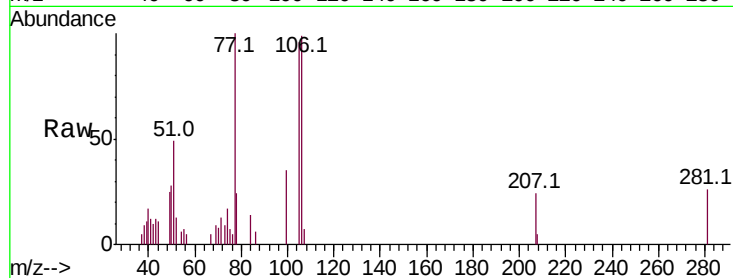
105 96.5 75.4 113.0

106 98.5 75.4 113.2

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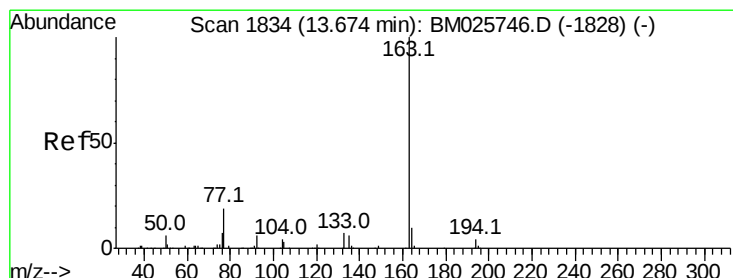
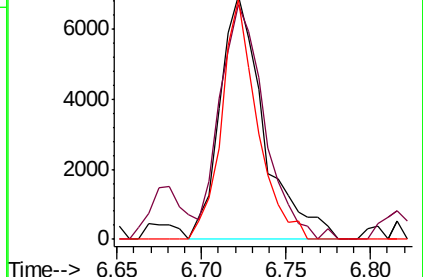
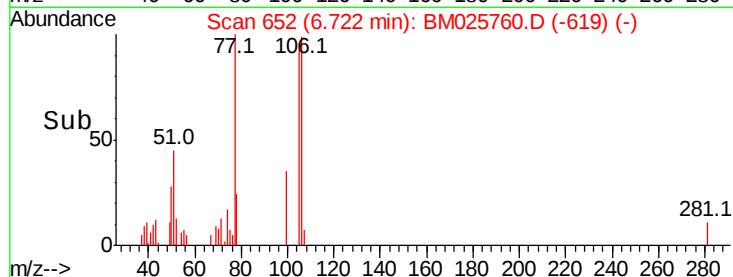
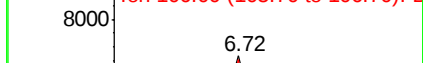
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Abundance Ion 77.00 (76.70 to 77.70): BM025746.D (-644) (-)

Ion 105.00 (104.70 to 105.70): BM025746.D (-644) (-)

Ion 106.00 (105.70 to 106.70): BM025746.D (-644) (-)



#45

Dimethylphthalate

Concen: 6.032 ng/ul

RT: 13.67 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BM025760.D

Acq: 25 Mar 2020 10:30

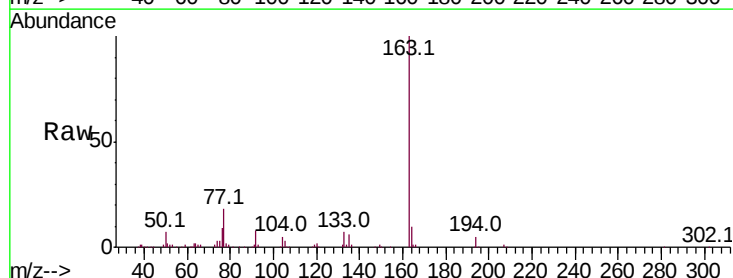
Tgt Ion:163 Resp: 282765

Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

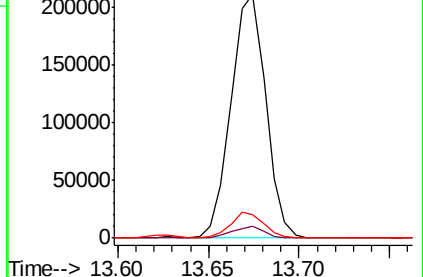
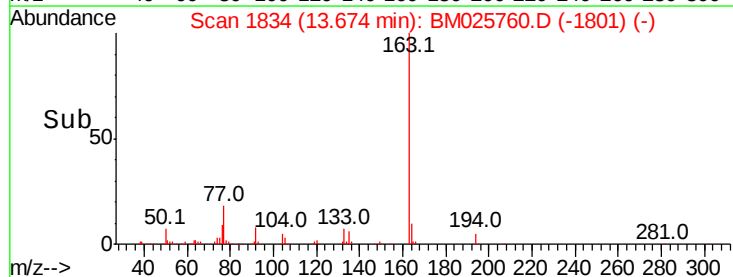
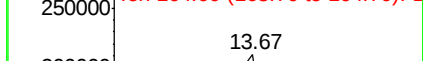
164 9.8 8.2 12.4

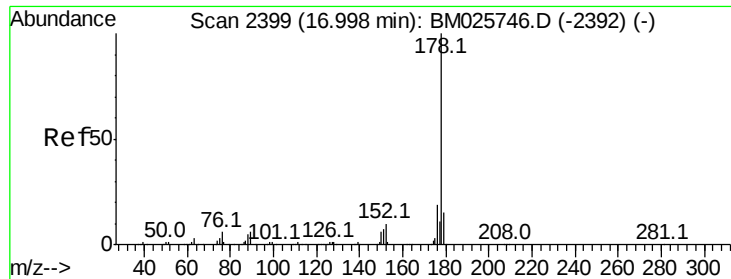


Abundance Ion 163.00 (162.70 to 163.70): BM025746.D (-1828) (-)

Ion 194.00 (193.70 to 194.70): BM025746.D (-1828) (-)

Ion 164.00 (163.70 to 164.70): BM025746.D (-1828) (-)





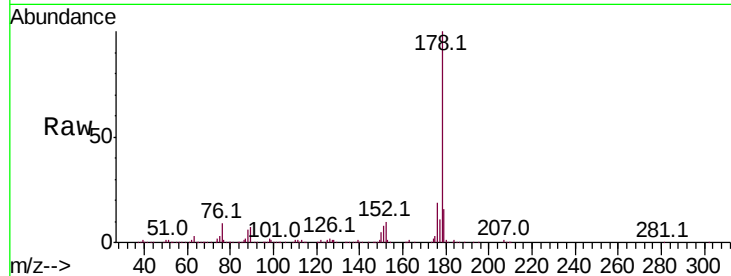
#70
Phenanthrene
Concen: 6.979 ng/ul
RT: 16.99 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BM025760.D
Acq: 25 Mar 2020 10:30

Instrument :
BNA_M
ClientSampled :
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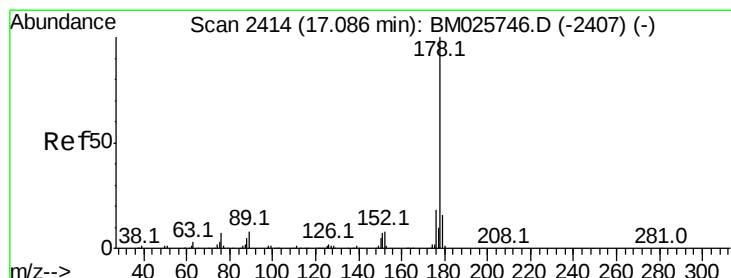
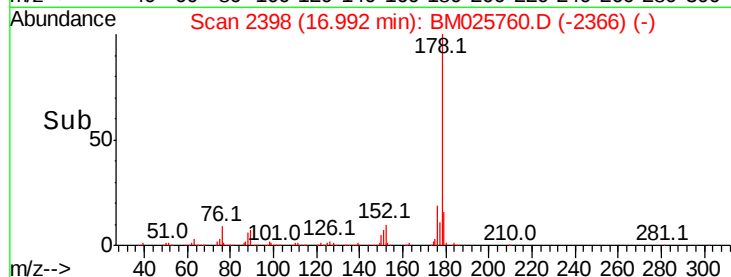
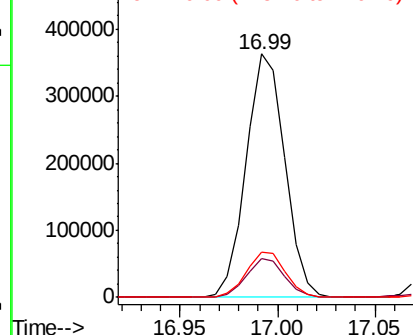
Tot Ion	Ratio	Resp	Lower	Upper
178	100	497768		
179	15.9	12.2	18.4	
176	18.5	15.3	22.9	

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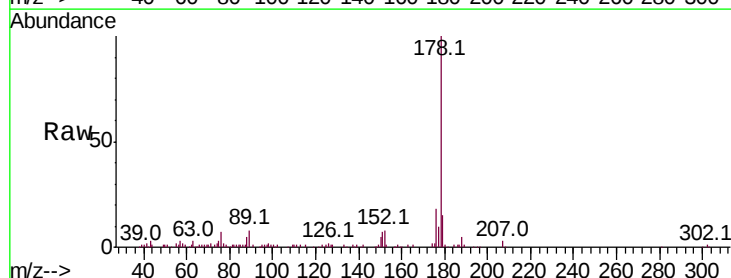


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

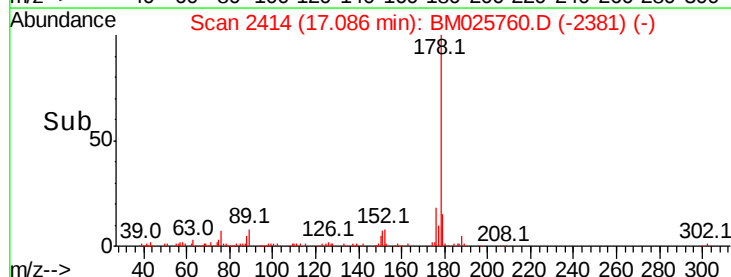
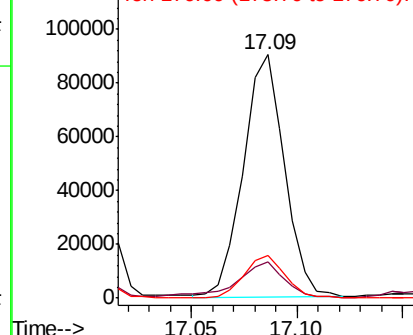


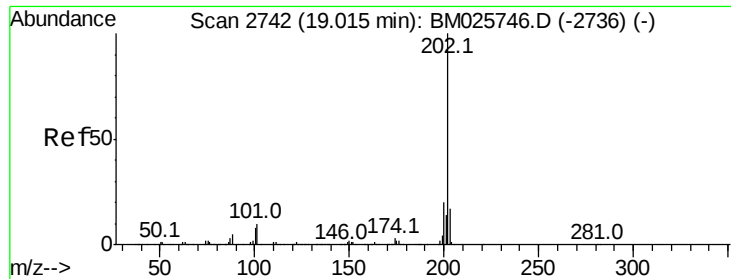
#72
Anthracene
Concen: 1.673 ng/ul
RT: 17.09 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BM025760.D
Acq: 25 Mar 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	121618		
179	15.1	12.5	18.7	
176	17.7	14.5	21.7	



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: 13.554 ng/ul

RT: 19.02 min Scan# 2742

Delta R.T. -0.01 min

Lab File: BM025760.D

Acq: 25 Mar 2020 10:30

Instrument :

BNA_M

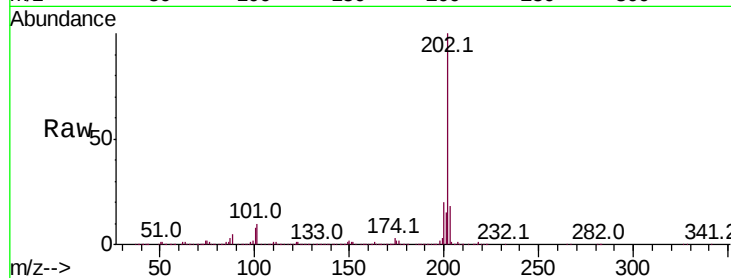
ClientSampleId :

CB778

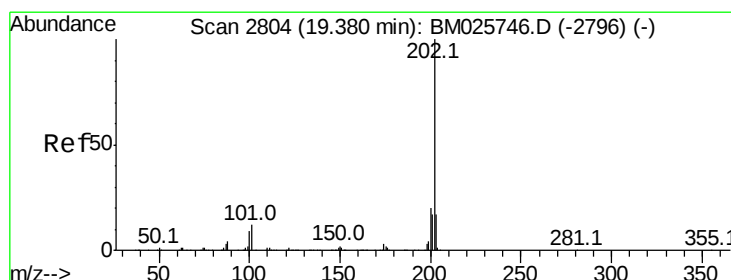
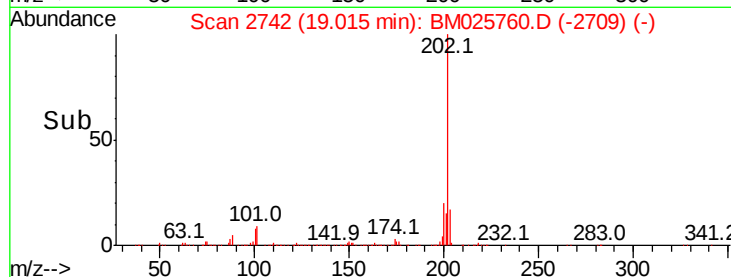
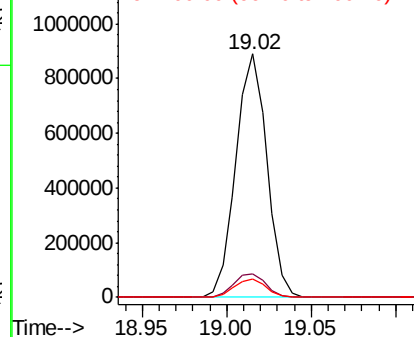
Tot Ion:	202	Resp:	1139444
Ion	Ratio	Lower	Upper
202	100		
101	9.5	8.2	12.4
100	7.7	6.5	9.7

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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

Pyrene

Concen: 12.112 ng/ul

RT: 19.38 min Scan# 2804

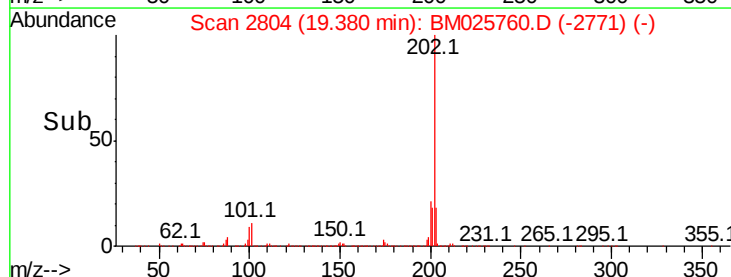
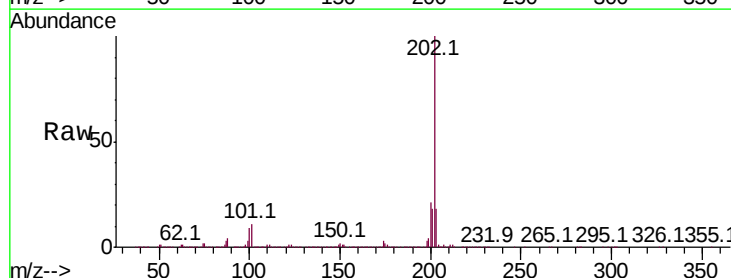
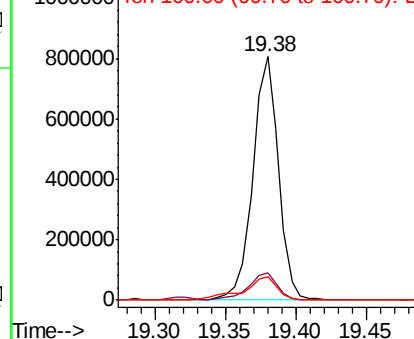
Delta R.T. -0.01 min

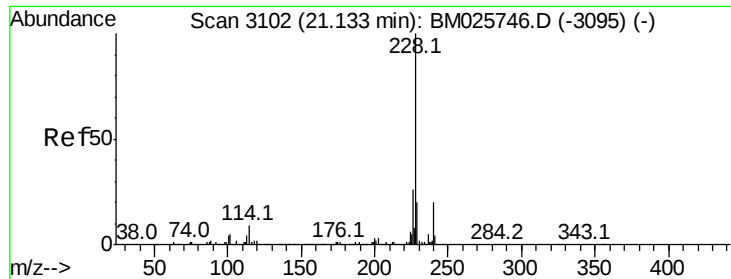
Lab File: BM025760.D

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Tgt Ion:	202	Resp:	1025705
Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.9	13.3
100	9.4	7.5	11.3

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





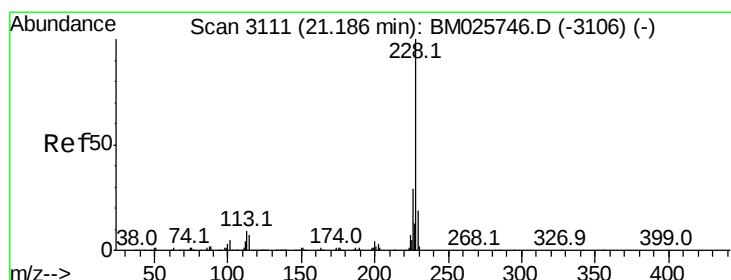
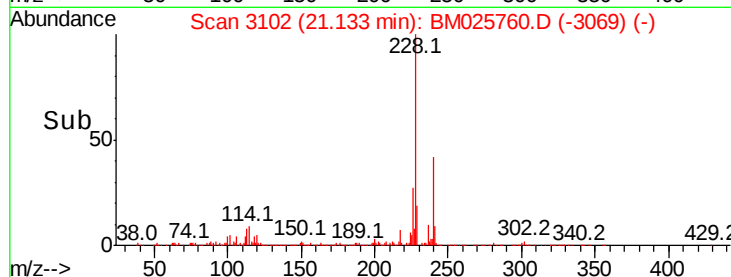
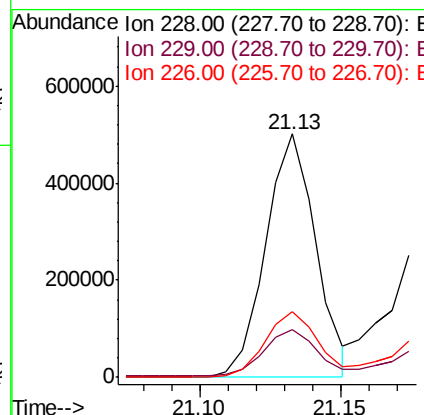
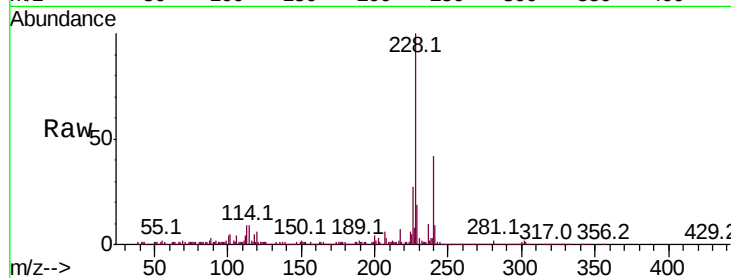
#83
Benzo(a)anthracene
Concen: 7.386 ng/ul
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM025760.D
Acq: 25 Mar 2020 10:30

Instrument :
BNA_M
ClientSampleId :
CB778

Tot Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.5	23.3
226	27.2	21.0	31.6

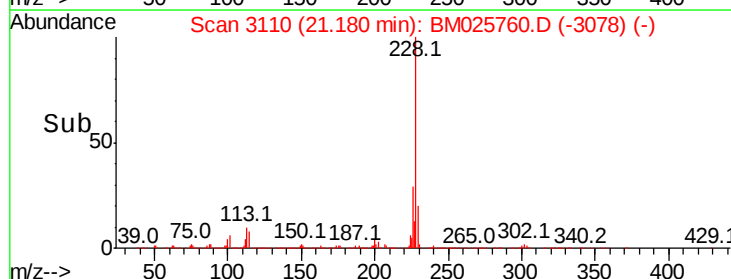
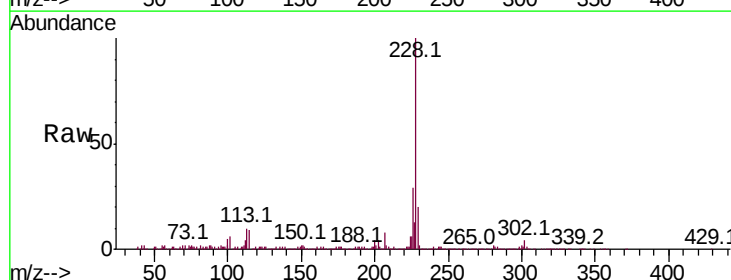
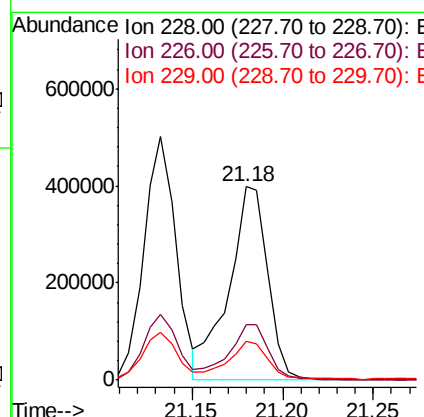
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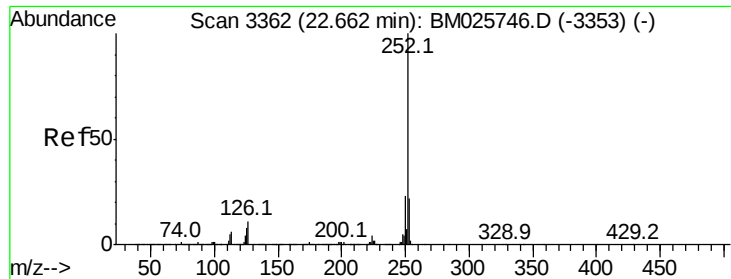
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#85
Chrysene
Concen: 7.249 ng/ul
RT: 21.18 min Scan# 3110
Delta R.T. -0.01 min
Lab File: BM025760.D
Acq: 25 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.4	35.0
229	20.2	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 10.485 ng/ul

RT: 22.66 min Scan# 3362

Delta R.T. -0.01 min

Lab File: BM025760.D

Acq: 25 Mar 2020 10:30

Instrument :

BNA_M

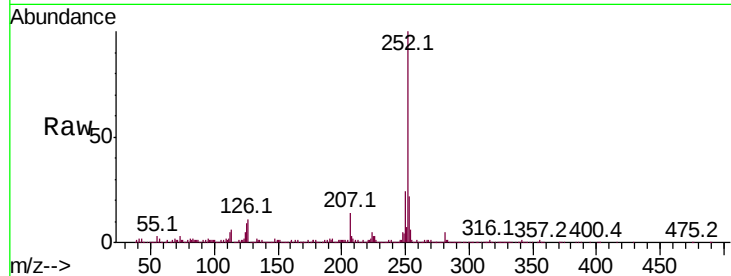
ClientSampled :

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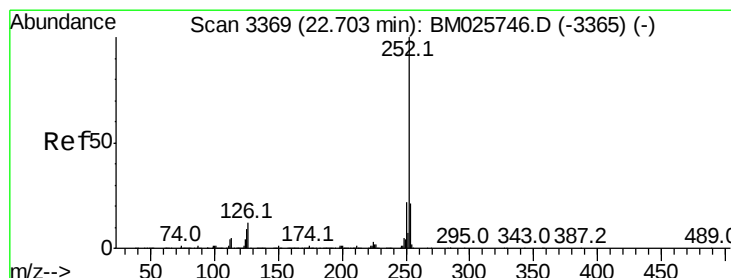
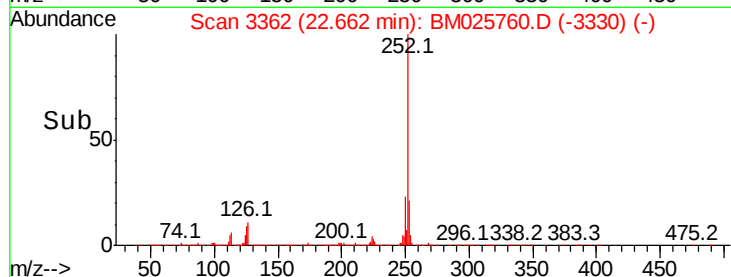
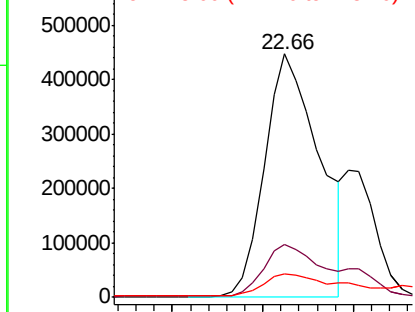
Tot Ion:	252	Resp:	933702
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.5	26.3
125	9.4	6.7	10.1

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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: 3.229 ng/ul m

RT: 22.70 min Scan# 3368

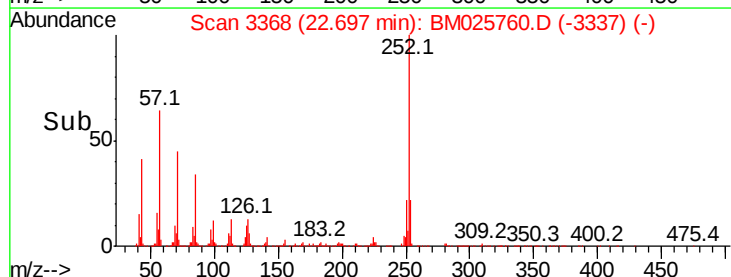
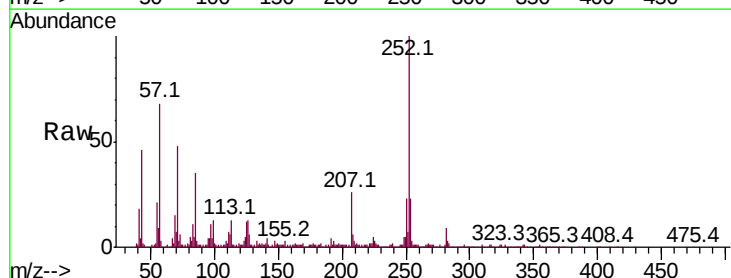
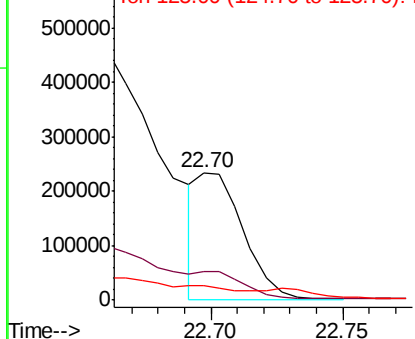
Delta R.T. -0.02 min

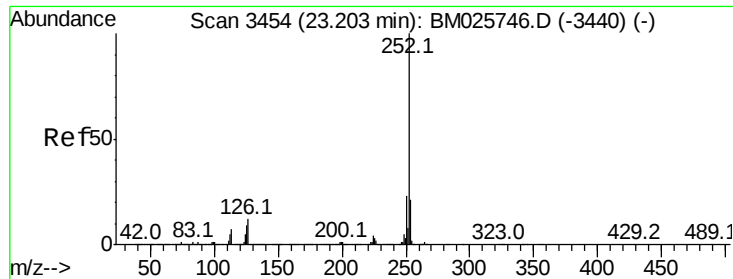
Lab File: BM025760.D

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Tgt Ion:	252	Resp:	283304
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.7	26.5
125	11.8	6.9	10.3#

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

Benzo(a)pyrene

Concen: 7.146 ng/ul

RT: 23.21 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM025760.D

Acq: 25 Mar 2020 10:30

Instrument :

BNA_M

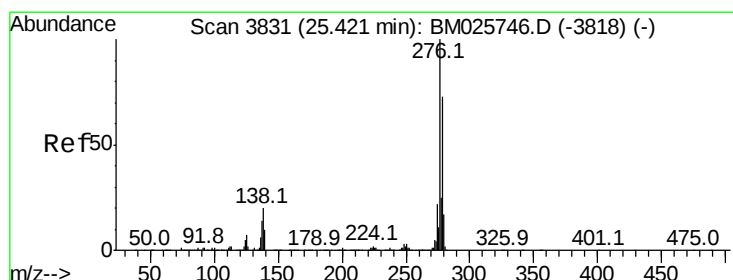
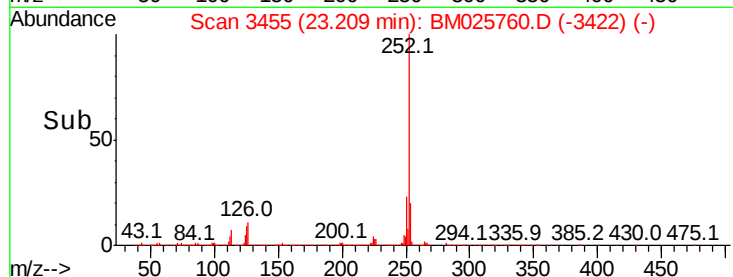
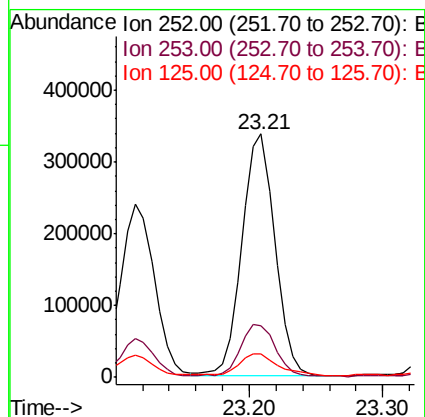
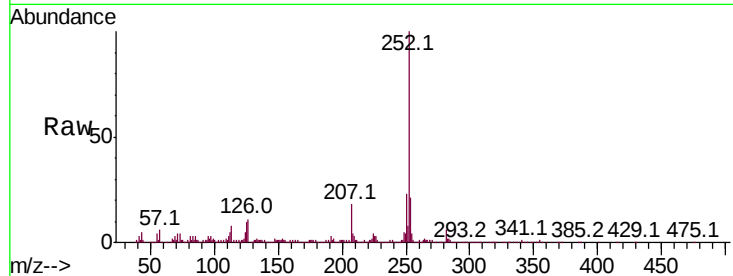
ClientSampled :

CB778

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.6
125	9.9	7.1	10.7

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#92

Indeno(1,2,3-cd)pyrene

Concen: 4.276 ng/ul

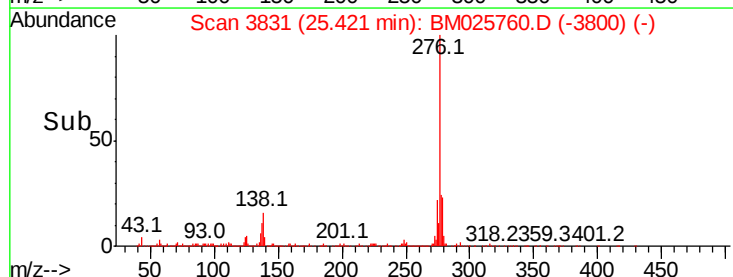
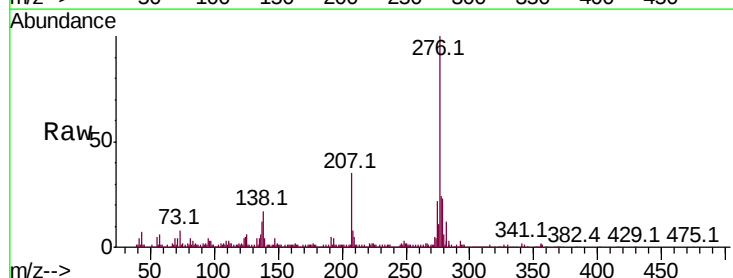
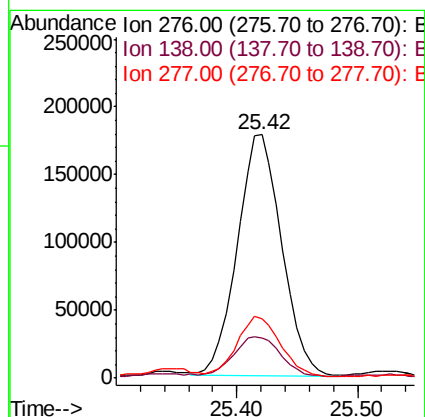
RT: 25.42 min Scan# 3831

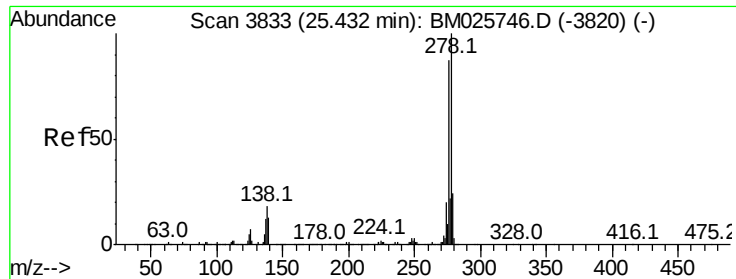
Delta R.T. -0.02 min

Lab File: BM025760.D

Acq: 25 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.6	16.5	24.7
277	24.3	19.7	29.5





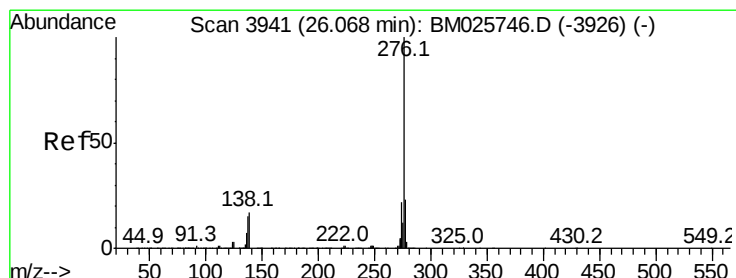
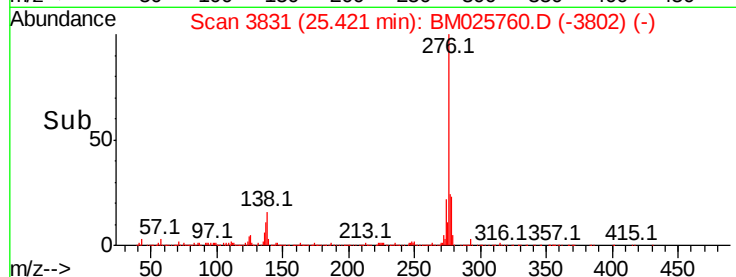
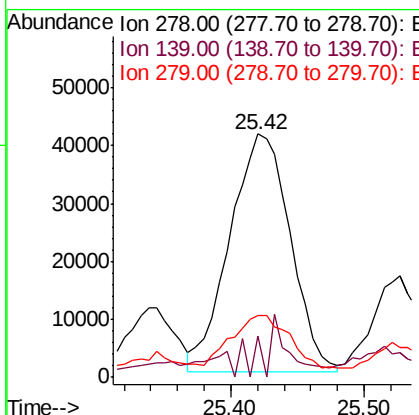
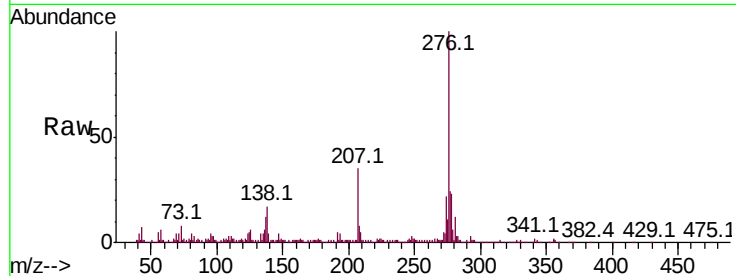
#93
Dibenzo(a,h)anthracene
Concen: 1.422 ng/ul
RT: 25.42 min Scan# 3831
Delta R.T. -0.03 min
Lab File: BM025760.D
Acq: 25 Mar 2020 10:30

Instrument :
BNA_M
ClientSampleId :
CB778

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	10.4	15.6#
279	25.6	18.6	28.0

Manual Integrations
APPROVED

mohammad
3/27/2020 8:14:23 AM



#94
Benzo(g,h,i)perylene
Concen: 3.615 ng/ul
RT: 26.06 min Scan# 3940
Delta R.T. -0.02 min
Lab File: BM025760.D
Acq: 25 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	13.2	19.8
277	24.0	19.0	28.4

