

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
 Data File : BM023831.D
 Acq On : 21 Nov 2019 16:19
 Operator : JU
 Sample : K5851-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA4

Manual Integrations
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Quant Time: Nov 21 17:48:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 21 16:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	322952	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.29	136	1323283	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	806947	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.92	188	1731656	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	1677509	20.00	ng/ul	0.00
86) Perylene-d12	23.29	264	2053907	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	26673	3.40	ng/uL	0.00
5) Phenol-d5	6.70	99	563646	19.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	318183	18.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	449100	21.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	428354	18.24	ng/ul	-0.01
19) Nitrobenzene-d5	8.66	128	207784	21.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	231095	23.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	440232	19.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	450005	18.05	ng/ul	0.00
44) Dimethylphthalate-d6	13.59	166	1275603	20.27	ng/ul	0.00
47) Acenaphthylene-d8	13.86	160	1556388	21.67	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	150539	14.01	ng/ul	0.00
58) Fluorene-d10	15.17	176	1164013	20.95	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	123046	12.28	ng/ul	0.00
71) Anthracene-d10	17.02	188	1793314	21.83	ng/ul	0.00
79) Pyrene-d10	19.33	212	1953770	22.34	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.15	264	2361217	21.85	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.33	128	96566	1.388	ng/ul	98
45) Dimethylphthalate	13.64	163	532956	8.642	ng/ul	100
48) Acenaphthylene	13.89	152	641442	8.872	ng/ul	99
59) Fluorene	15.23	166	98167	1.593	ng/ul	95
70) Phenanthrene	16.96	178	1625231	17.039	ng/ul	100
72) Anthracene	17.06	178	529540	5.521	ng/ul	100
77) Fluoranthene	18.99	202	3179575	31.114	ng/ul	96
80) Pyrene	19.36	202	4261895	39.305	ng/ul	97
83) Benzo(a)anthracene	21.12	228	2163551	19.553	ng/ul	94
85) Chrysene	21.17	228	2150884	20.648	ng/ul	99
88) Benzo(b)fluoranthene	22.65	252	2184029	16.681	ng/ul#	98
89) Benzo(k)fluoranthene	22.68	252	786101m	6.232	ng/ul	
91) Benzo(a)pyrene	23.19	252	2092512	17.458	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.42	276	1257797	9.814	ng/ul	98
93) Dibenzo(a,h)anthracene	25.42	278	339361	3.137	ng/ul#	83
94) Benzo(g,h,i)perylene	26.07	276	1262771	12.159	ng/ul	98

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

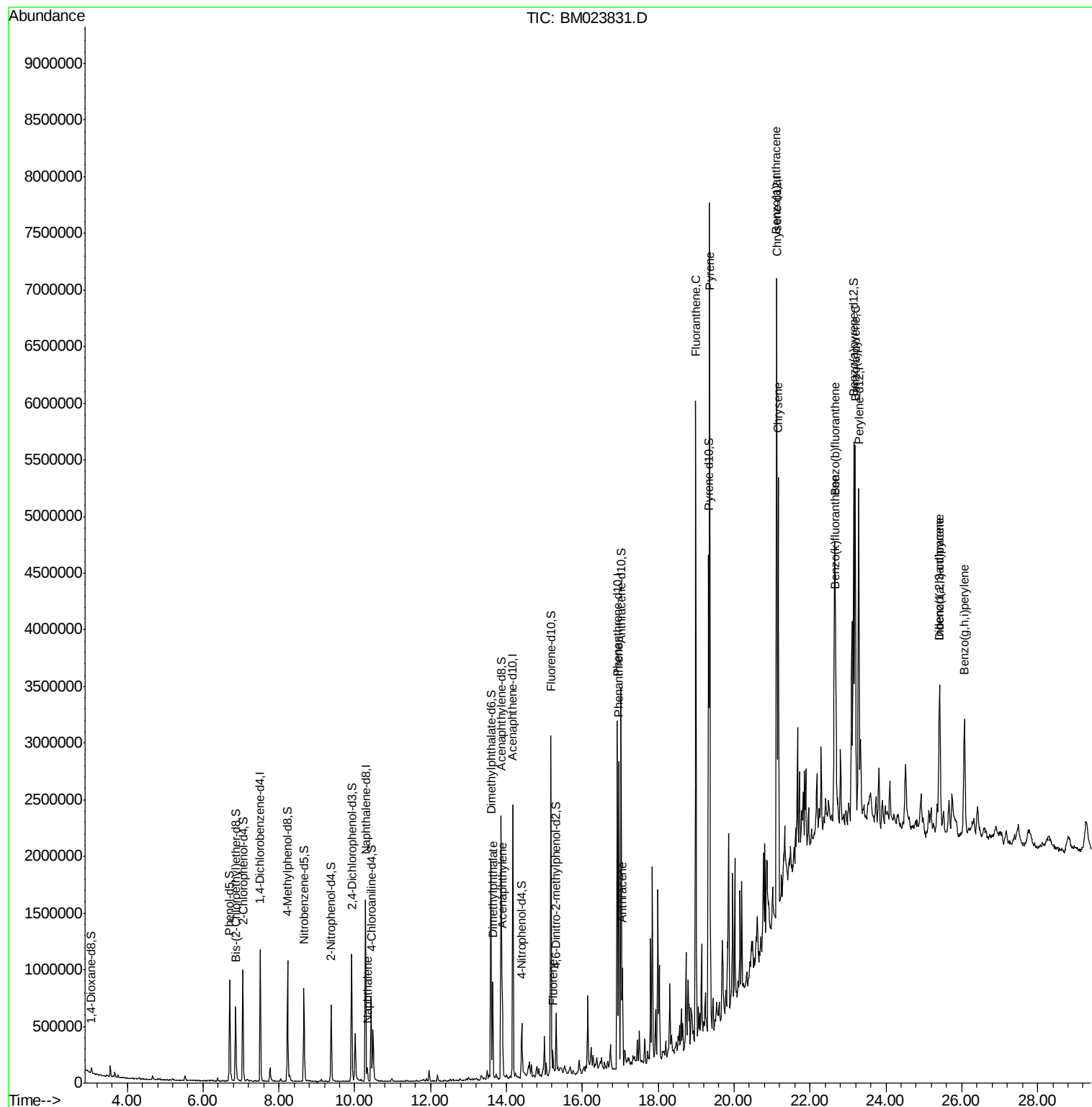
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
Data File : BM023831.D
Acq On : 21 Nov 2019 16:19
Operator : JU
Sample : K5851-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

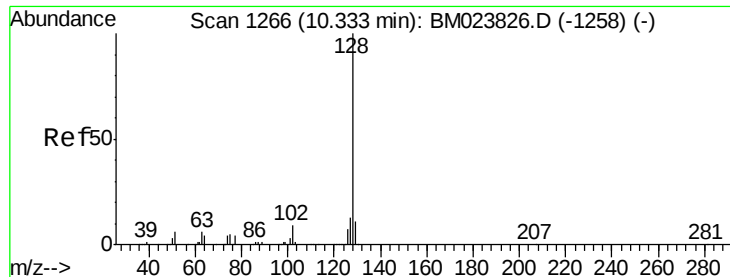
Instrument :
BNA_M
ClientSampleId :
C0AA4

Quant Time: Nov 21 17:48:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
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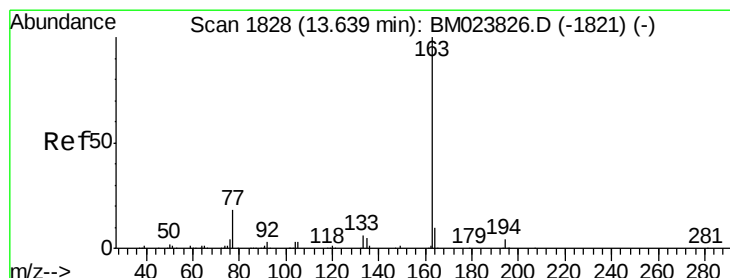
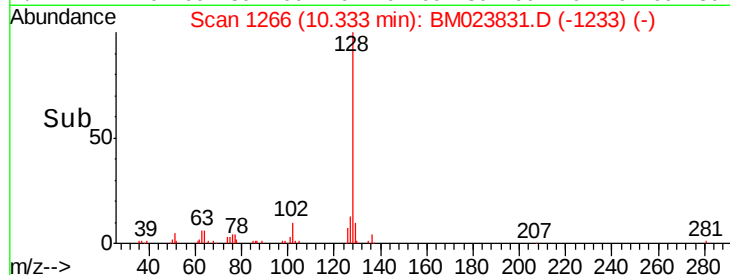
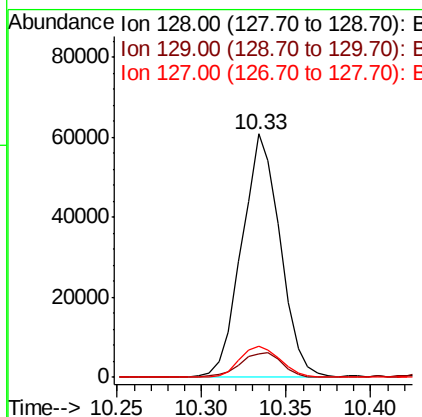
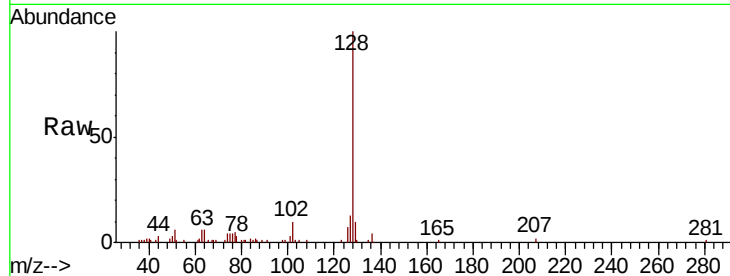
#28
Naphthalene
Concen: 1.388 ng/ul
RT: 10.33 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BM023831.D
Acq: 21 Nov 2019 16:19

Instrument :
BNA_M
ClientSampleId :
C0AA4

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.7	13.1
127	12.8	10.6	16.0

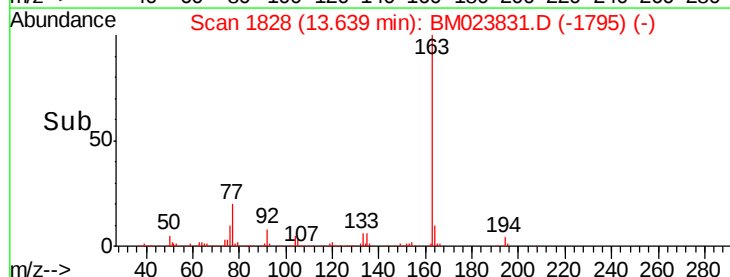
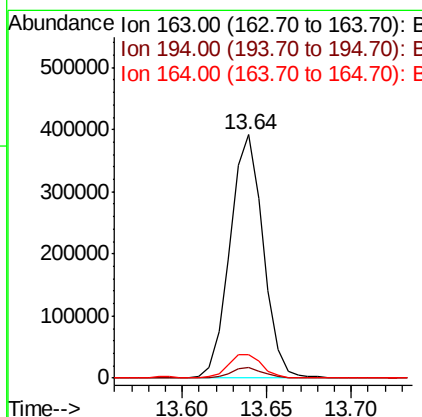
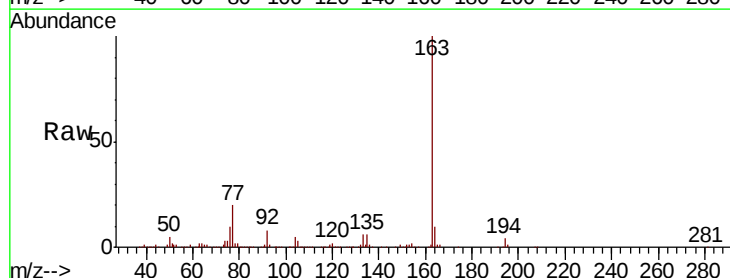
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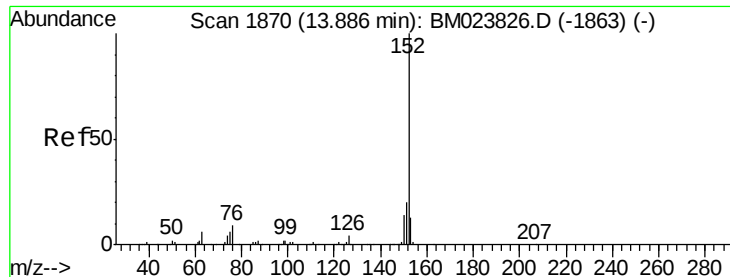
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#45
Dimethylphthalate
Concen: 8.642 ng/ul
RT: 13.64 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BM023831.D
Acq: 21 Nov 2019 16:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	9.8	8.0	12.0





#48

Acenaphthylene

Concen: 8.872 ng/ul

RT: 13.89 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Instrument :

BNA_M

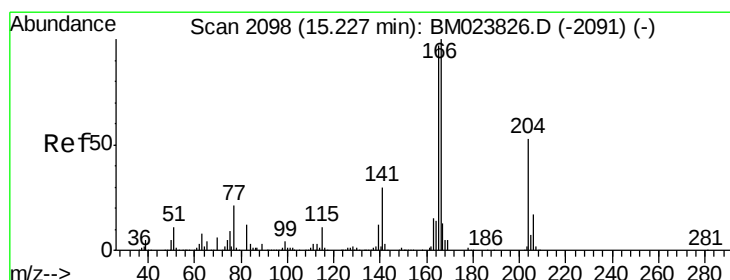
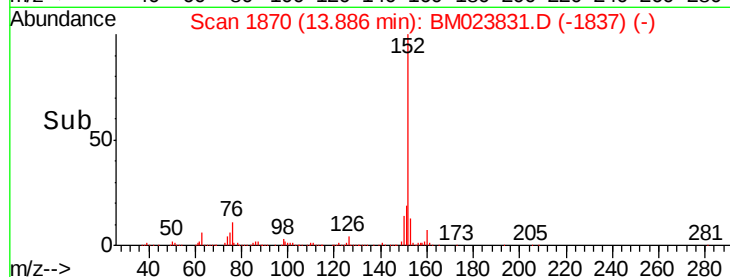
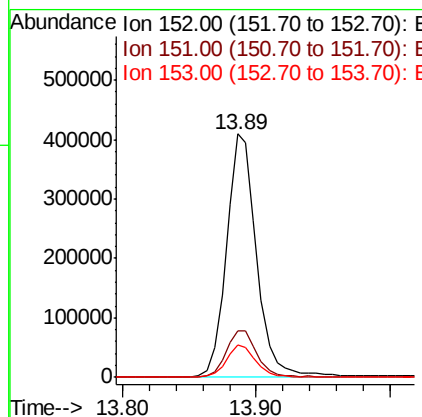
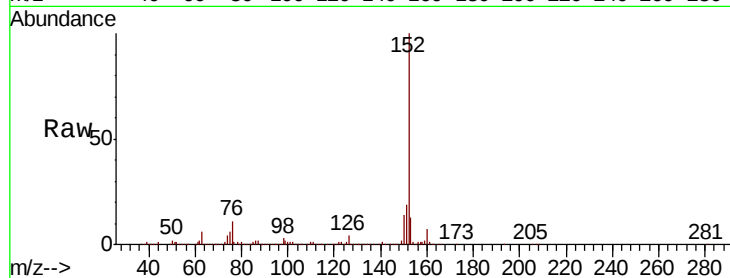
ClientSampleId :

C0AA4

Tot Ion:	152	Resp:	641442
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.1	24.1
153	13.4	10.4	15.6

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#59

Fluorene

Concen: 1.593 ng/ul

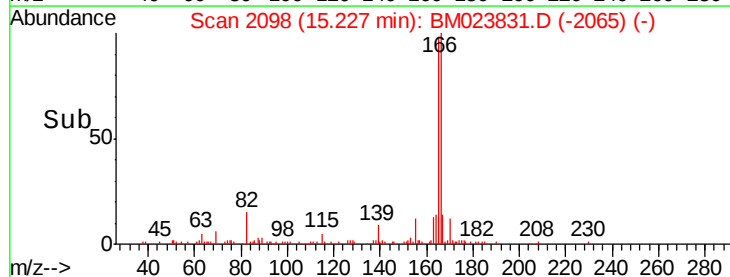
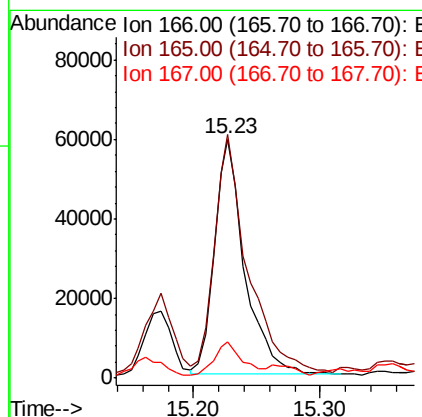
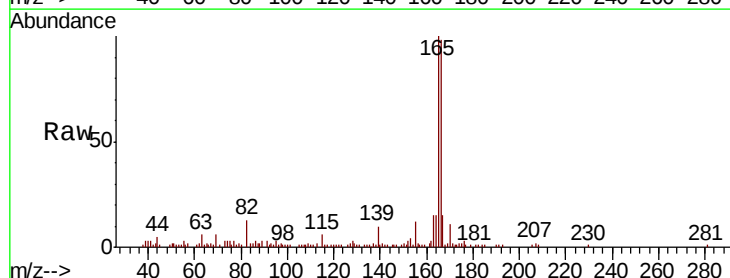
RT: 15.23 min Scan# 2098

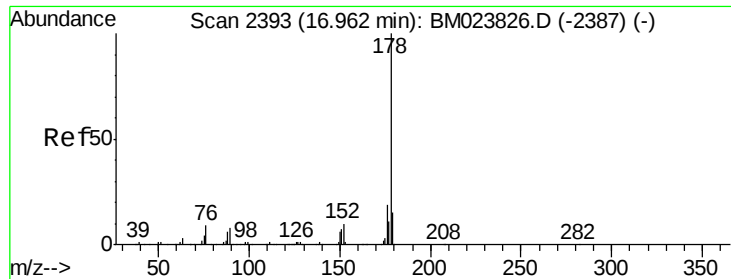
Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Tgt Ion:	166	Resp:	98167
Ion Ratio	Lower	Upper	
166	100		
165	102.0	77.2	115.8
167	15.0	10.9	16.3





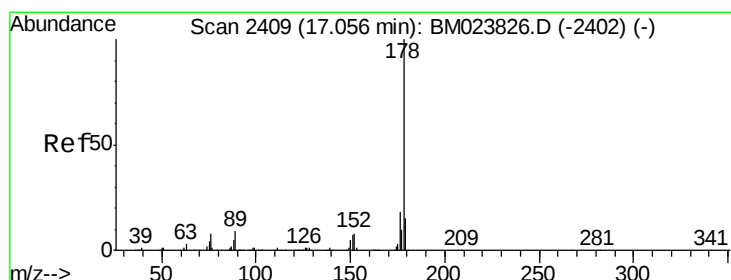
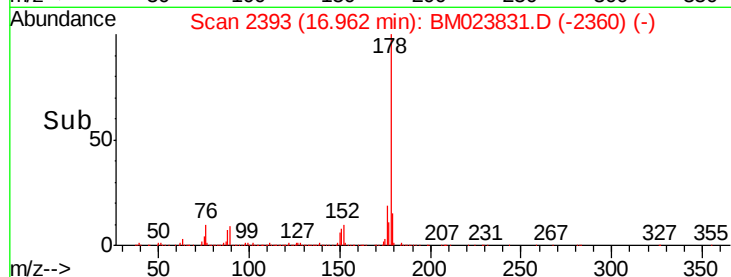
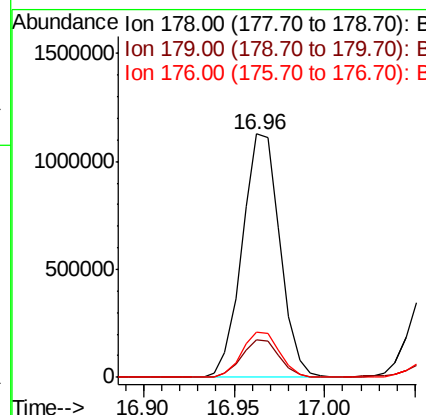
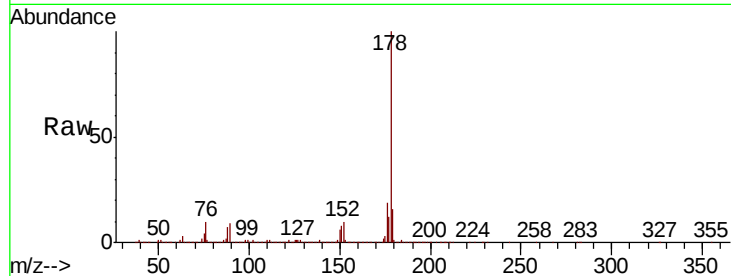
#70
Phenanthrene
Concen: 17.039 ng/ul
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BM023831.D
Acq: 21 Nov 2019 16:19

Instrument :
BNA_M
ClientSampleId :
C0AA4

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.8	15.0	22.6

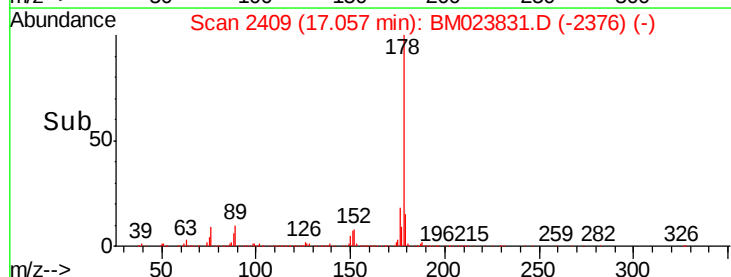
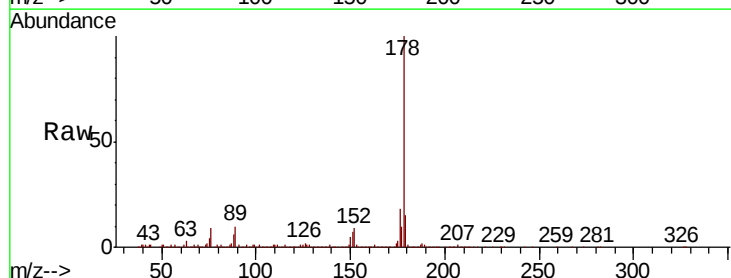
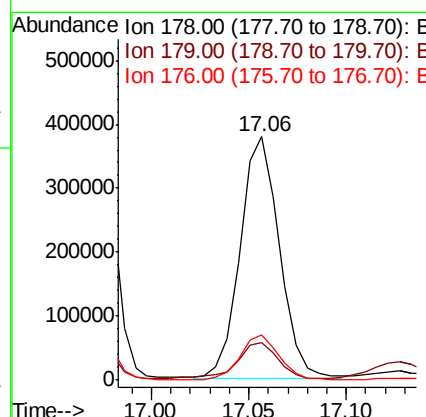
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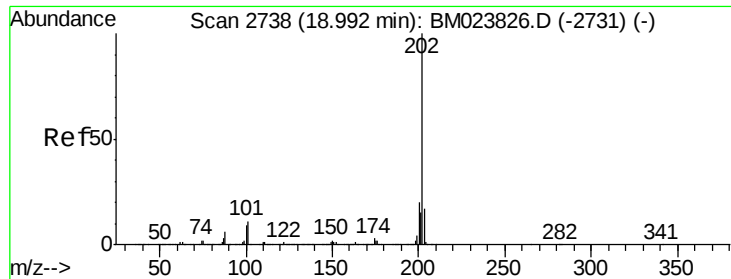
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#72
Anthracene
Concen: 5.521 ng/ul
RT: 17.06 min Scan# 2409
Delta R.T. -0.01 min
Lab File: BM023831.D
Acq: 21 Nov 2019 16:19

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.4	14.7	22.1





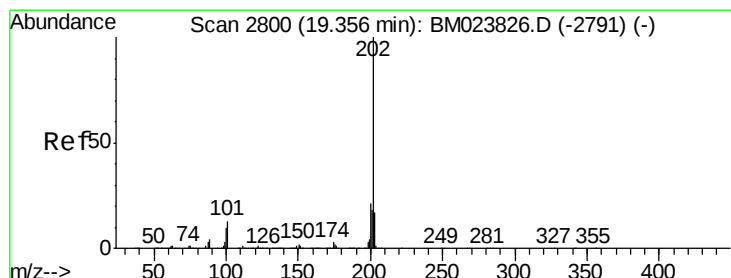
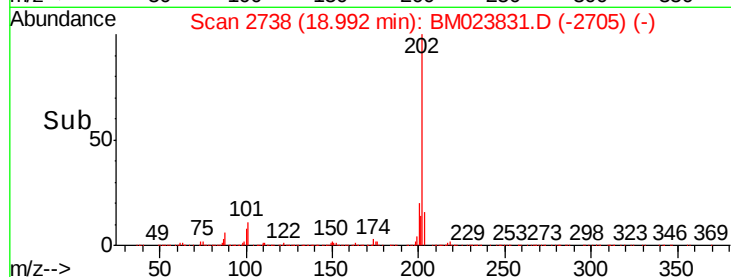
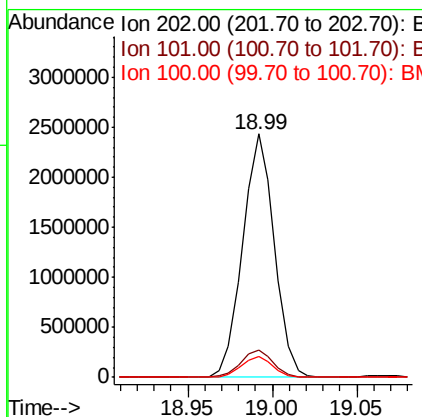
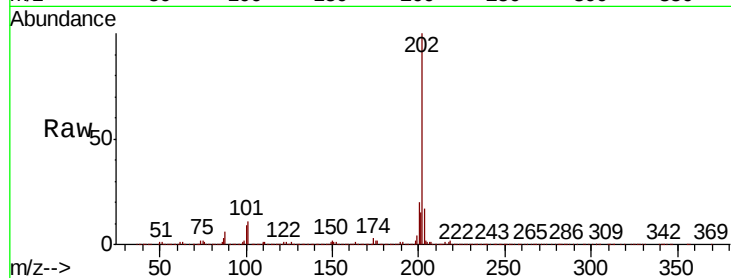
#77
Fluoranthene
Concen: 31.114 ng/ul
RT: 18.99 min Scan# 2738
Delta R.T. -0.01 min
Lab File: BM023831.D
Acq: 21 Nov 2019 16:19

Instrument :
BNA_M
ClientSampleId :
C0AA4

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	7.7	11.5
100	8.5	6.0	9.0

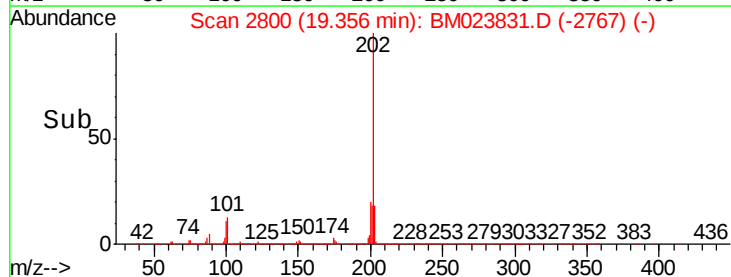
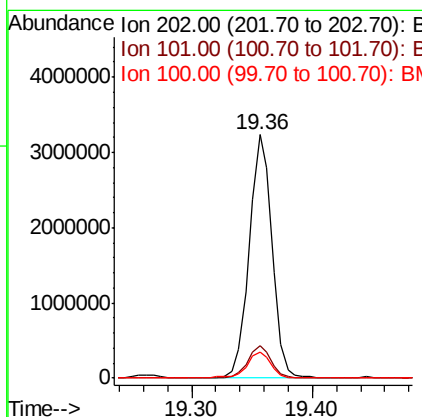
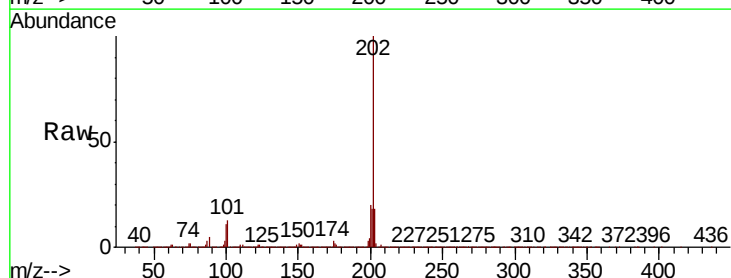
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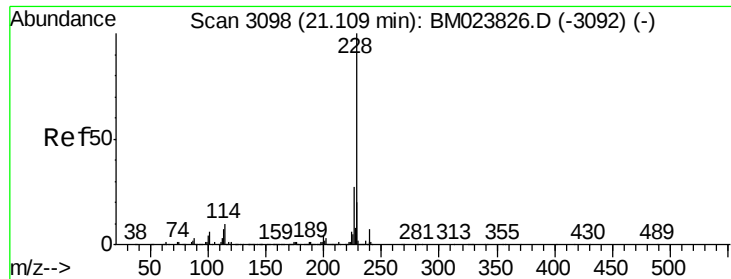
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#80
Pyrene
Concen: 39.305 ng/ul
RT: 19.36 min Scan# 2800
Delta R.T. -0.01 min
Lab File: BM023831.D
Acq: 21 Nov 2019 16:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.8	14.6
100	10.9	8.1	12.1





#83

Benzo(a)anthracene

Concen: 19.553 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Instrument :

BNA_M

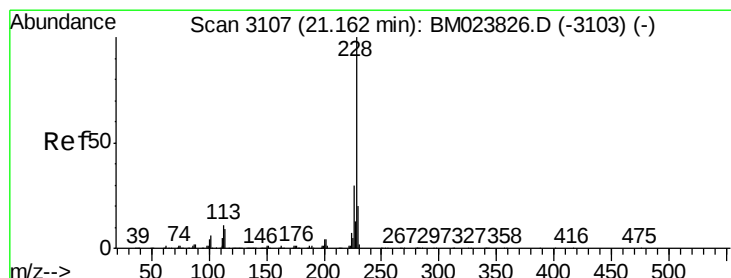
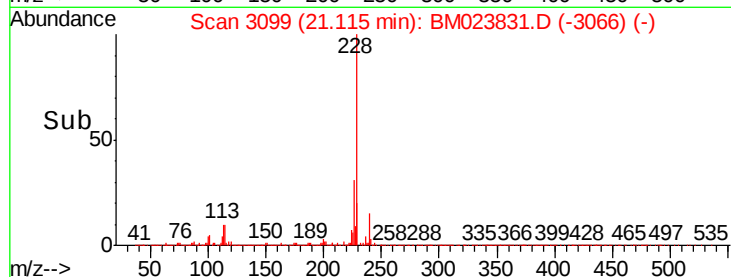
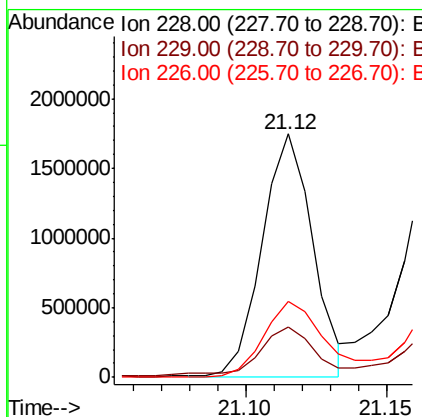
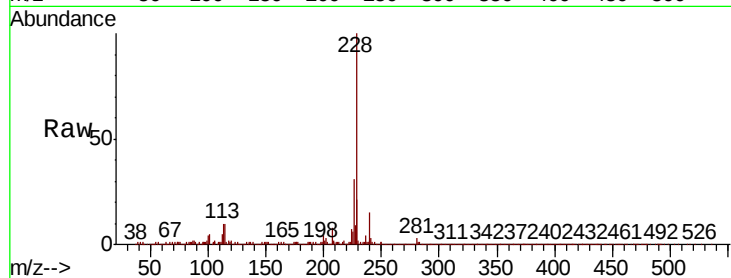
ClientSampleId :

C0AA4

Tot Ion:	228	Resp:	2163551
Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.6	23.4
226	31.1	21.4	32.2

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#85

Chrysene

Concen: 20.648 ng/ul

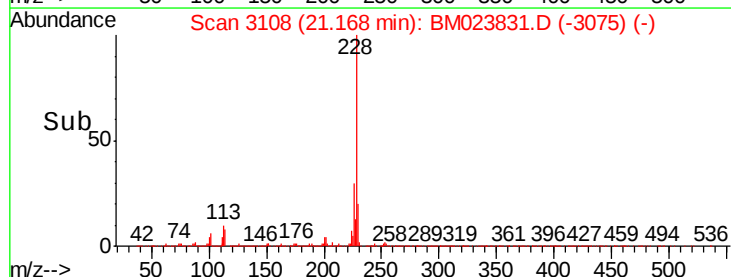
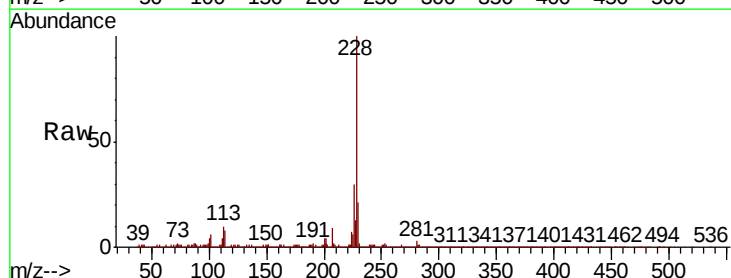
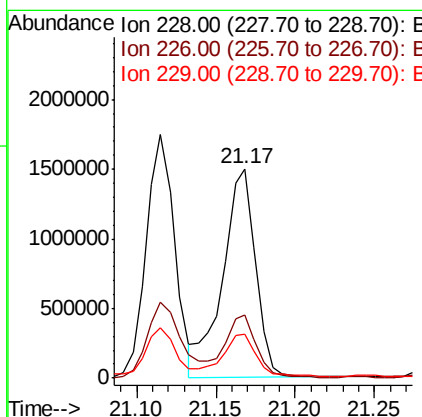
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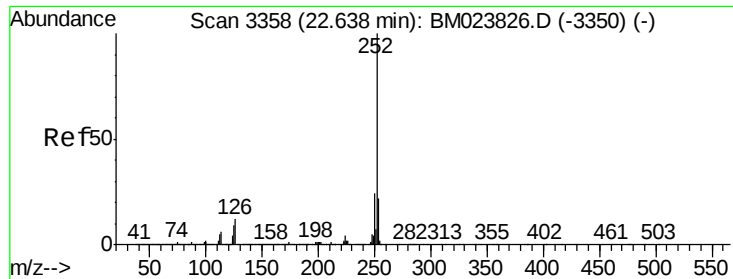
Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Tgt Ion:	228	Resp:	2150884
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	20.8	15.8	23.6





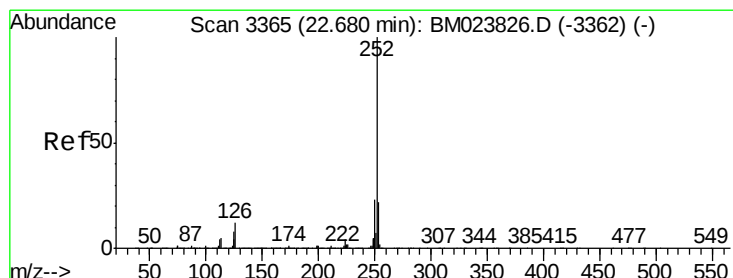
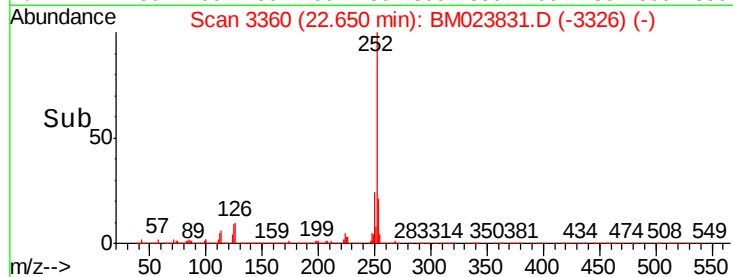
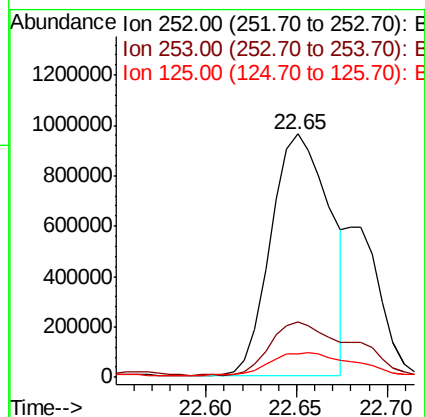
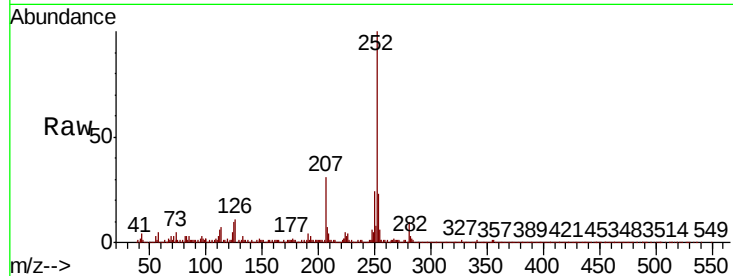
#88
Benzo(b)fluoranthene
Concen: 16.681 ng/ul
RT: 22.65 min Scan# 3360
Delta R.T. 0.00 min
Lab File: BM023831.D
Acq: 21 Nov 2019 16:19

Instrument :
BNA_M
ClientSampleId :
C0AA4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	9.8	6.5	9.7#

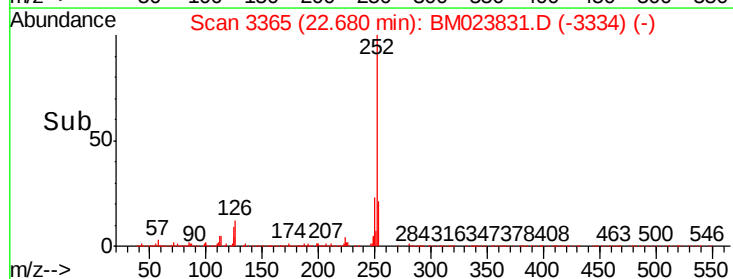
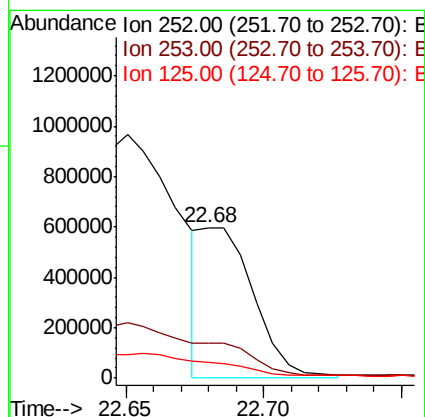
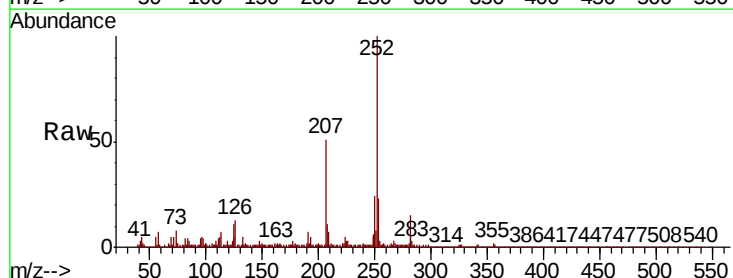
Manual Integrations
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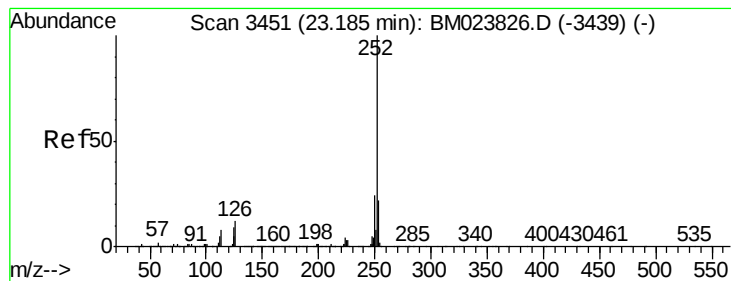
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#89
Benzo(k)fluoranthene
Concen: 6.232 ng/ul m
RT: 22.68 min Scan# 3365
Delta R.T. -0.02 min
Lab File: BM023831.D
Acq: 21 Nov 2019 16:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	10.7	5.9	8.9#





#91

Benzo(a)pyrene

Concen: 17.458 ng/ul

RT: 23.19 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Instrument :

BNA_M

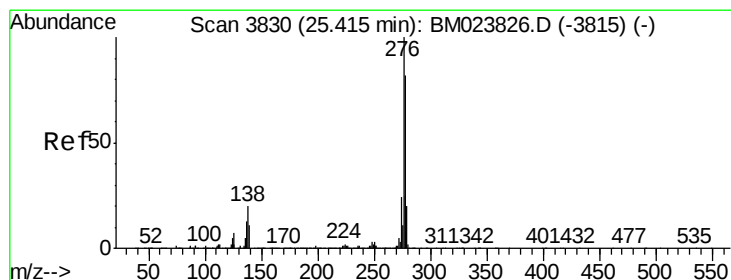
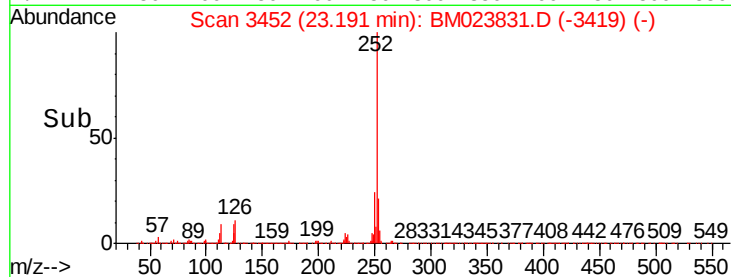
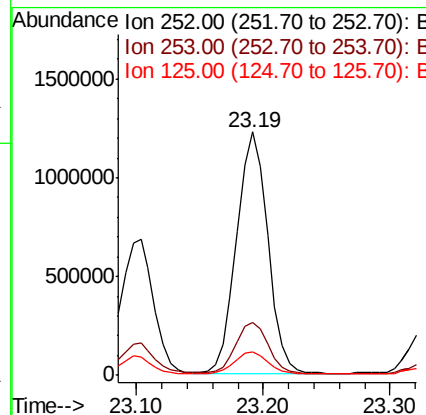
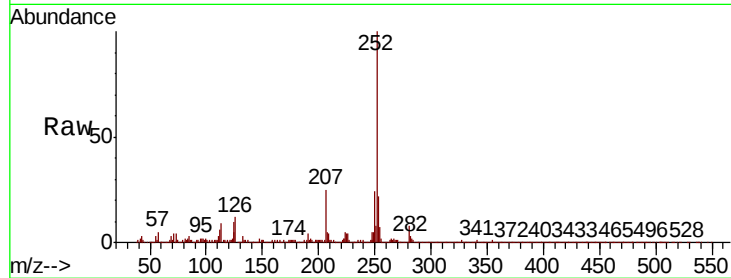
ClientSampled :

C0AA4

Tot Ion:	252	Resp:	2092512
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.3	25.9
125	9.7	6.9	10.3

Manual Integrations
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11/22/2019 1:22:48 PM



#92

Indeno(1,2,3-cd)pyrene

Concen: 9.814 ng/ul

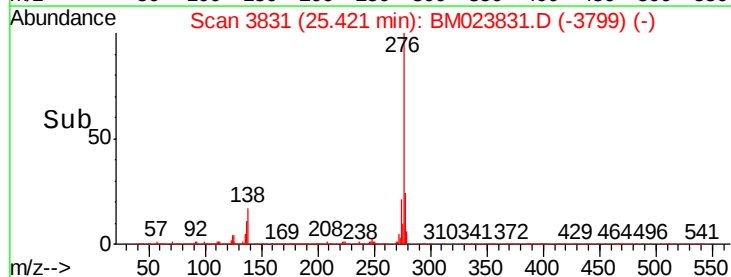
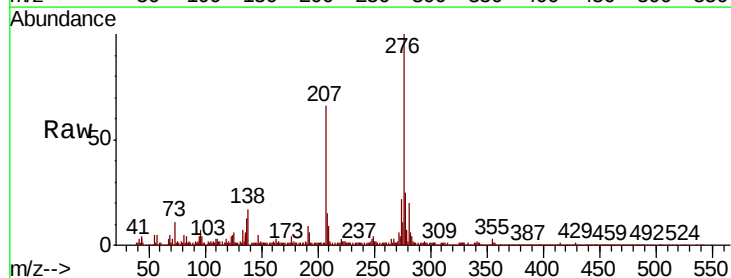
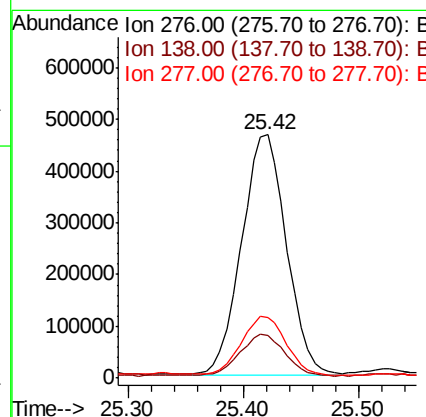
RT: 25.42 min Scan# 3831

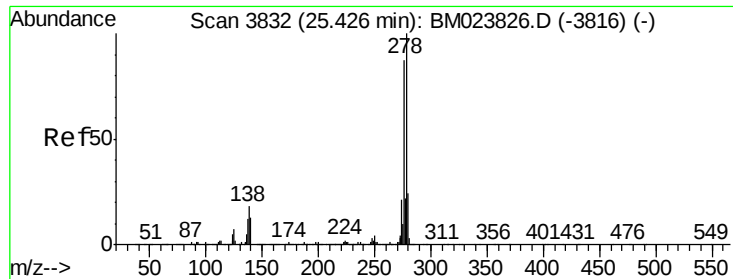
Delta R.T. -0.01 min

Lab File: BM023831.D

Acq: 21 Nov 2019 16:19

Tgt Ion:	276	Resp:	1257797
Ion Ratio	Lower	Upper	
276	100		
138	17.4	15.0	22.4
277	24.8	20.0	30.0





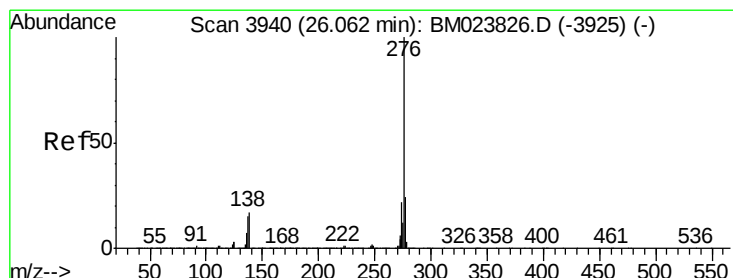
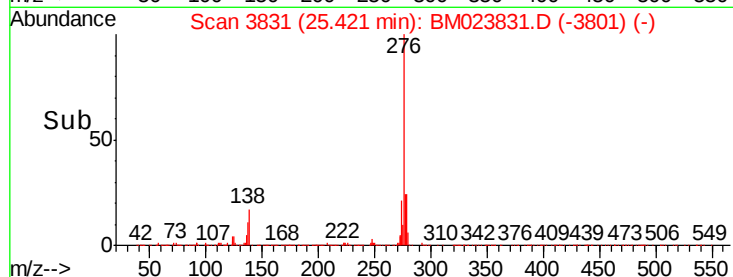
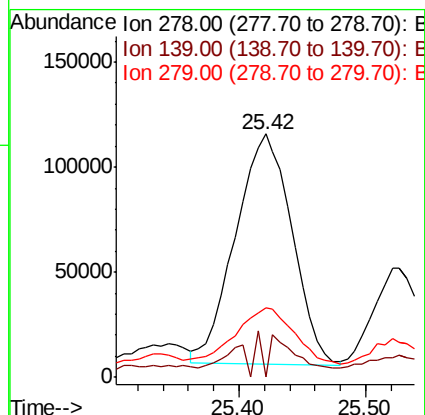
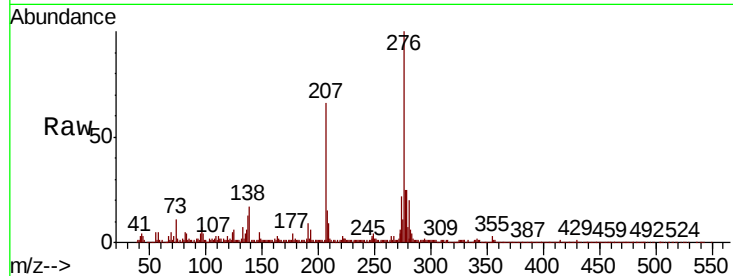
#93
Dibenzo(a,h)anthracene
Concen: 3.137 ng/ul
RT: 25.42 min Scan# 3831
Delta R.T. -0.02 min
Lab File: BM023831.D
Acq: 21 Nov 2019 16:19

Instrument :
BNA_M
ClientSampleId :
C0AA4

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.0	15.0#
279	28.5	19.0	28.6

Manual Integrations
APPROVED

mohammad
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#94
Benzo(g,h,i)perylene
Concen: 12.159 ng/ul
RT: 26.07 min Scan# 3942
Delta R.T. -0.01 min
Lab File: BM023831.D
Acq: 21 Nov 2019 16:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	13.2	19.8
277	24.5	18.6	28.0

