

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111119\
 Data File : BM023646.D
 Acq On : 11 Nov 2019 20:53
 Operator : JU
 Sample : K5538-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BF6M1

Manual Integrations
 APPROVED

mohammad
 11/12/2019 10:44:12 AM

Quant Time: Nov 12 00:35:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 12 00:02:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	422969	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	1698627	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	999013	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	1775889	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	1603725	20.00	ng/ul	0.00
86) Perylene-d12	23.33	264	1979658	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	17697	1.72	ng/uL	0.00
5) Phenol-d5	6.73	99	335649	8.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.89	67	791338	35.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	843907	30.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	593373	19.29	ng/ul	0.00
19) Nitrobenzene-d5	8.70	128	504766	41.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.42	143	544548	42.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	1055936	36.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	952308	29.76	ng/ul	0.00
44) Dimethylphthalate-d6	13.63	166	3076472	39.49	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	3690622	41.51	ng/ul	0.00
52) 4-Nitrophenol-d4	14.43	143	89957	6.76	ng/ul	0.01
58) Fluorene-d10	15.20	176	2563969	37.27	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.33	200	279855	27.24	ng/ul	0.00
71) Anthracene-d10	17.05	188	3525924	41.85	ng/ul	0.00
79) Pyrene-d10	19.36	212	3509711	41.97	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.19	264	4249054	40.79	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	3.11	88	27002	2.456	ng/uL# 1
6) Phenol	6.76	94	124895	3.144	ng/ul# 93
11) 2-Methylphenol	8.00	108	3628439	122.392	ng/ul 100
16) 4-Methylphenol	8.33	108	208661	6.357	ng/ul 91
24) 2,4-Dimethylphenol	9.54	107	12343378m	379.991	ng/ul
28) Naphthalene	10.37	128	3276517	36.699	ng/ul 99
34) 2-Methylnaphthalene	12.00	142	1595336	23.359	ng/ul 97
41) 1,1'-Biophenyl	13.03	154	100316	1.302	ng/ul 97
45) Dimethylphthalate	13.67	163	283728	3.716	ng/ul 97
48) Acenaphthylene	13.92	152	138400	1.546	ng/ul# 80
50) Acenaphthene	14.27	153	191820	3.020	ng/ul 98
57) Diethylphthalate	15.04	149	1128836	15.068	ng/ul 98
59) Fluorene	15.26	166	130887	1.716	ng/ul# 91
70) Phenanthrene	17.00	178	805055	8.230	ng/ul 95
72) Anthracene	17.09	178	239320m	2.433	ng/ul
75) Carbazole	17.36	167	102036	1.244	ng/ul# 64
77) Fluoranthene	19.02	202	668697	6.381	ng/ul# 96
80) Pyrene	19.39	202	919693	8.872	ng/ul 98
83) Benzo(a)anthracene	21.14	228	451045	4.264	ng/ul# 85
84) Bis(2-ethylhexyl)phthalate	21.10	149	191931	3.872	ng/ul# 80
85) Chrysene	21.19	228	492688	4.947	ng/ul# 89
88) Benzo(b)fluoranthene	22.68	252	439474	3.482	ng/ul# 47
89) Benzo(k)fluoranthene	22.72	252	139216m	1.145	ng/ul

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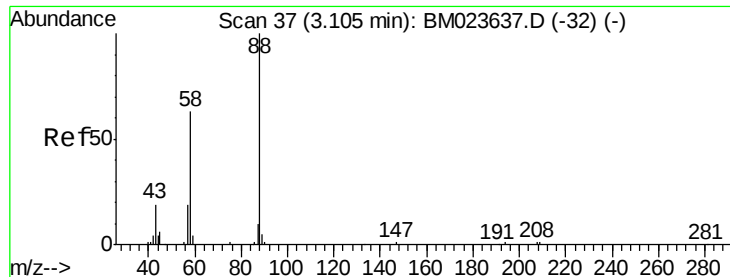
Manual Integrations
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Quant Time: Nov 12 00:35:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 12 00:02:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.23	252	299330	2.591	ng/ul#	49
92) Indeno(1,2,3-cd)pyrene	25.48	276	205207	1.661	ng/ul#	86
94) Benzo(g,h,i)perylene	26.14	276	238788	2.385	ng/ul#	90

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



#2

1,4-Dioxane

Concen: 2.456 ng/uL

RT: 3.11 min Scan# 38

Delta R.T. 0.01 min

Lab File: BM023646.D

Acq: 11 Nov 2019 20:53

Instrument :

BNA_M

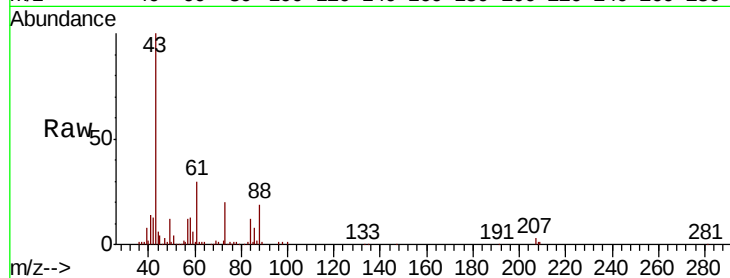
ClientSampled :

BF6M1

Tot Ion:	88	Resp:	27002
Ion Ratio	Lower	Upper	
88	100		
43	534.1	18.9	28.3#
58	71.8	49.1	73.7

Manual Integrations
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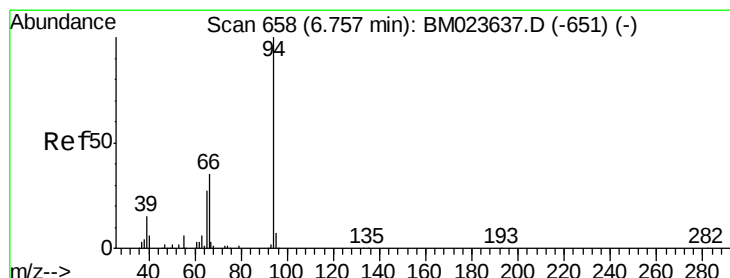
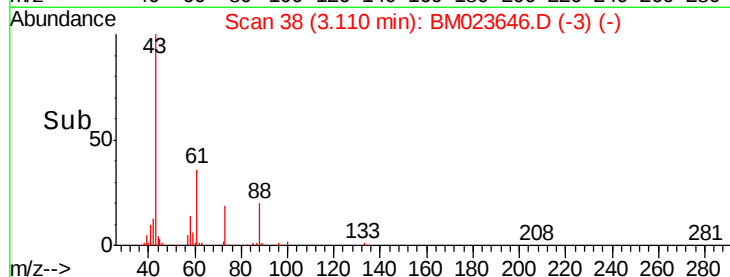
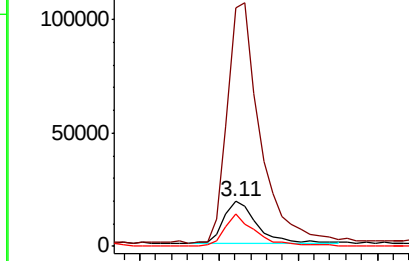
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Abundance Ion 88.00 (87.70 to 88.70): BM023637.D (-32) (-)

Ion 43.00 (42.70 to 43.70): BM023637.D (-32) (-)

Ion 58.00 (57.70 to 58.70): BM023637.D (-32) (-)



#6

Phenol

Concen: 3.144 ng/uL

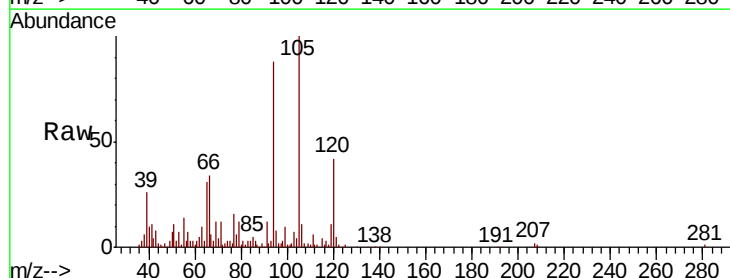
RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM023646.D

Acq: 11 Nov 2019 20:53

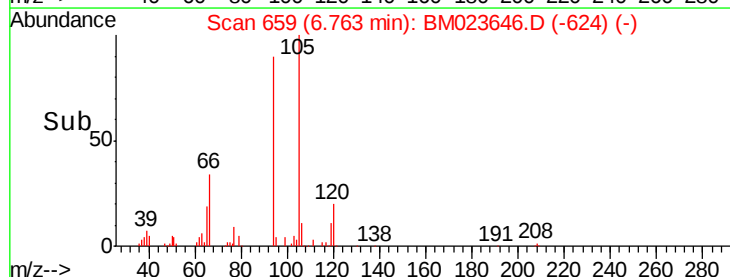
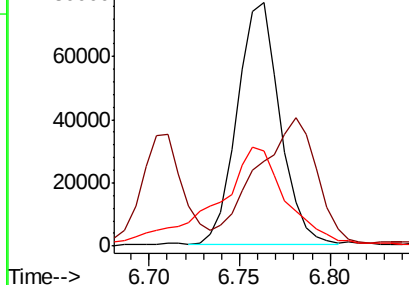
Tgt Ion:	94	Resp:	124895
Ion Ratio	Lower	Upper	
94	100		
65	34.9	21.4	32.2#
66	39.1	30.7	46.1

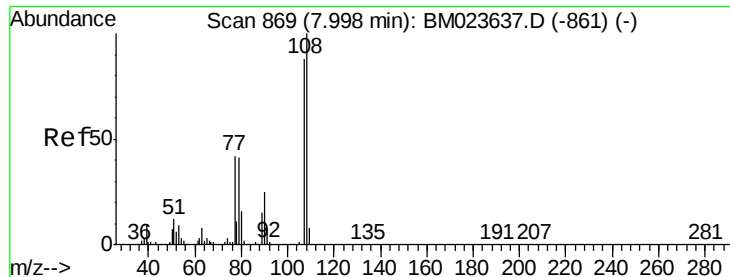


Abundance Ion 94.00 (93.70 to 94.70): BM023637.D (-651) (-)

Ion 65.00 (64.70 to 65.70): BM023637.D (-651) (-)

Ion 66.00 (65.70 to 66.70): BM023637.D (-651) (-)





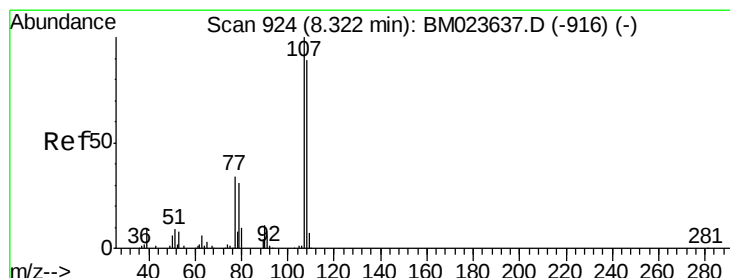
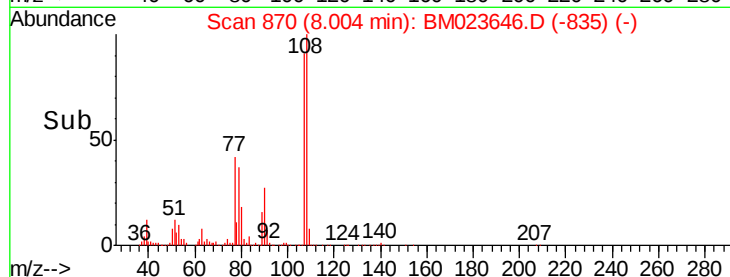
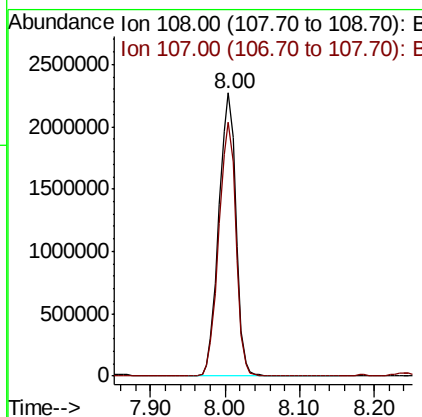
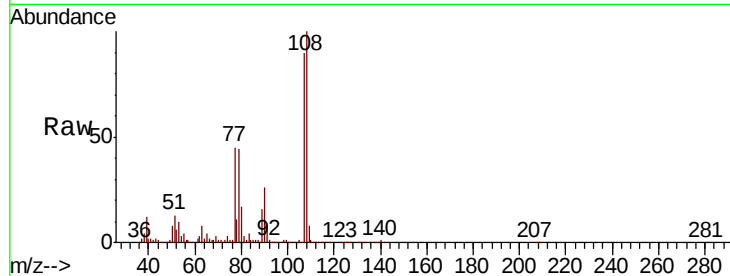
#11
2-Methylphenol
Concen: 122.392 ng/ul
RT: 8.00 min Scan# 870
Delta R.T. 0.01 min
Lab File: BM023646.D
Acq: 11 Nov 2019 20:53

Instrument :
BNA_M
ClientSampled :
BF6M1

Tot Ion:108 Resp: 3628439
Ion Ratio Lower Upper
108 100
107 89.7 71.4 107.2

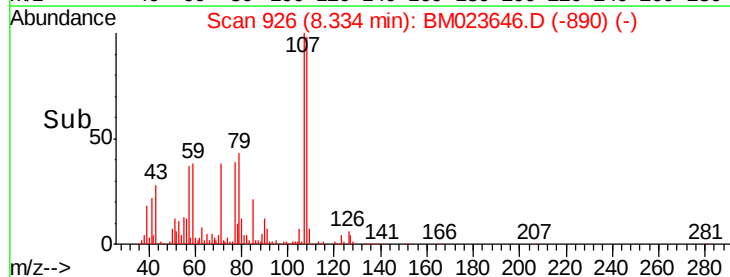
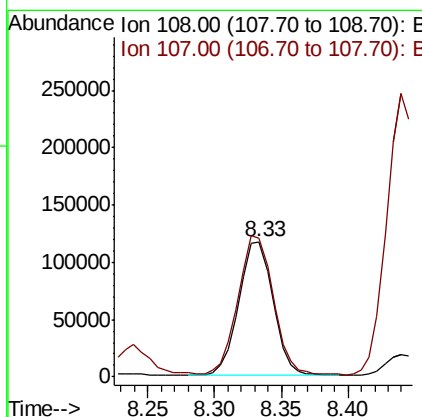
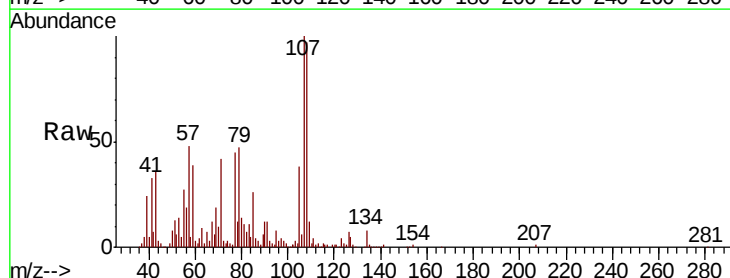
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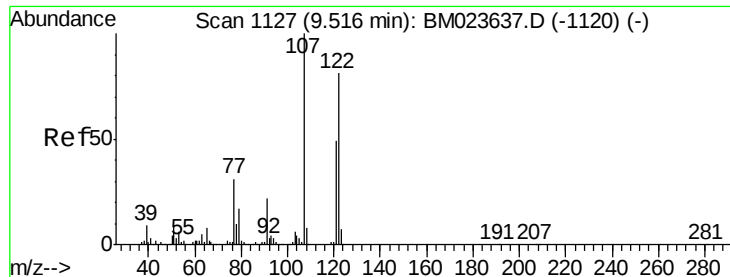
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#16
4-Methylphenol
Concen: 6.357 ng/ul
RT: 8.33 min Scan# 926
Delta R.T. 0.01 min
Lab File: BM023646.D
Acq: 11 Nov 2019 20:53

Tgt Ion:108 Resp: 208661
Ion Ratio Lower Upper
108 100
107 103.1 89.8 134.6





#24

2,4-Dimethylphenol

Concen: 379.991 ng/ul m

RT: 9.54 min Scan# 1131

Delta R.T. 0.02 min

Lab File: BM023646.D

Acq: 11 Nov 2019 20:53

Instrument :

BNA_M

ClientSampleId :

BF6M1

Tot Ion:107 Resp:12343378

Ion Ratio Lower Upper

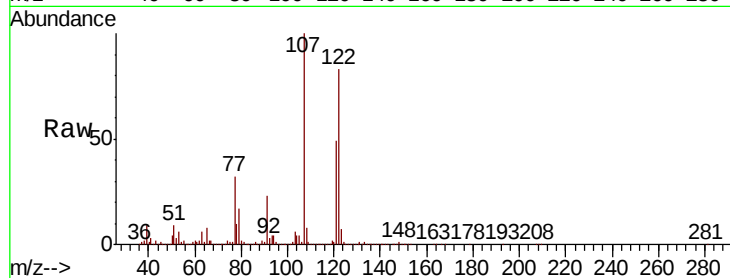
107 100

121 49.3 38.6 57.8

122 83.4 65.9 98.9

Manual Integrations
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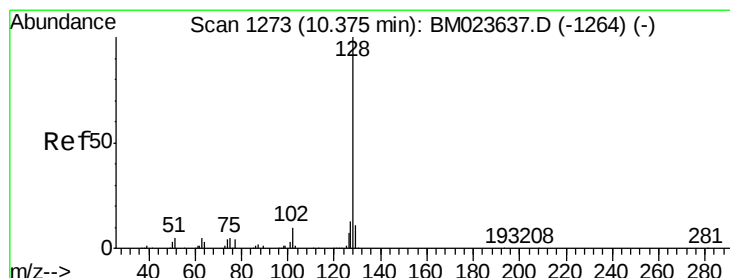
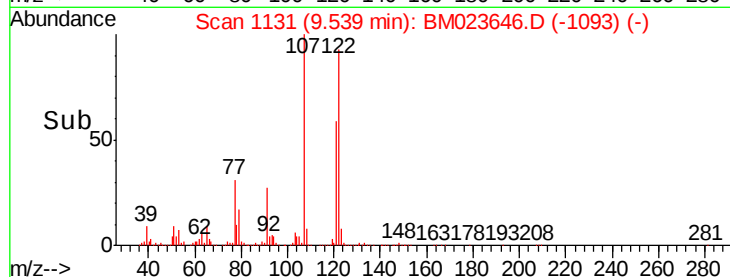
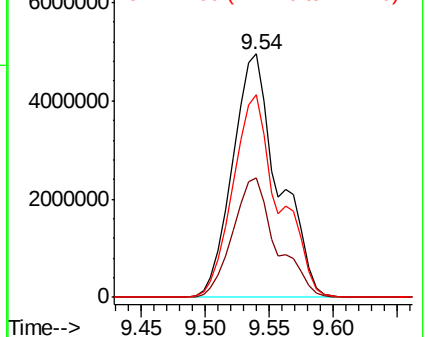


Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 36.699 ng/ul

RT: 10.37 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BM023646.D

Acq: 11 Nov 2019 20:53

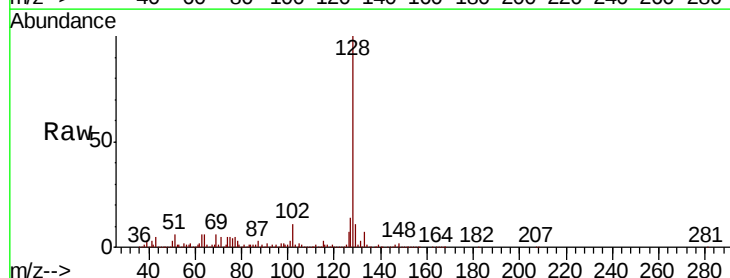
Tgt Ion:128 Resp: 3276517

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

127 13.6 10.6 16.0

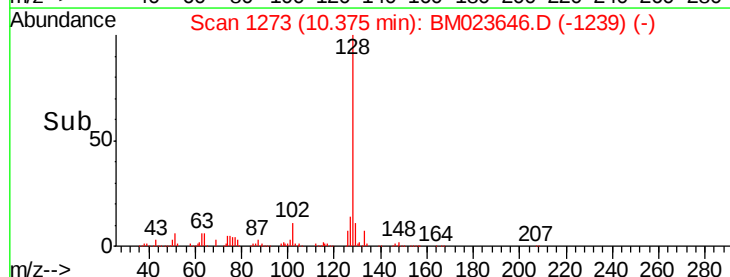
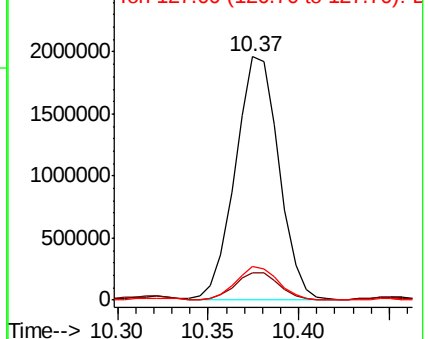


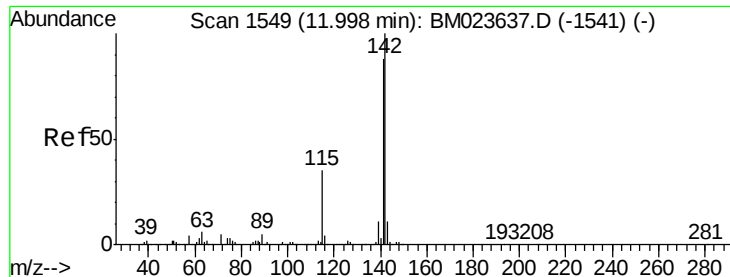
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





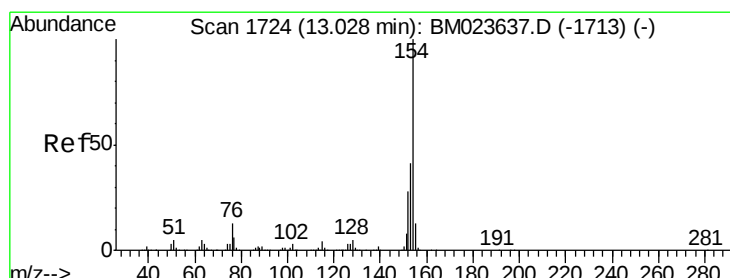
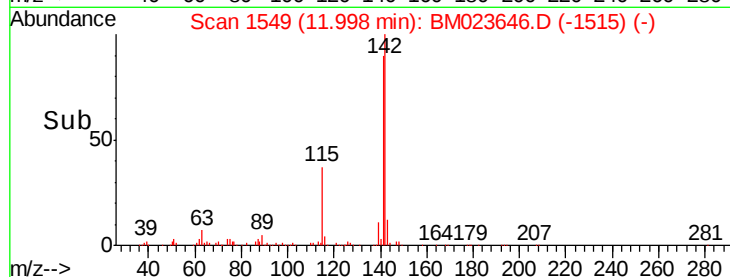
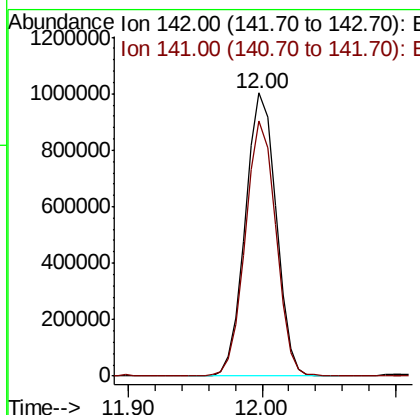
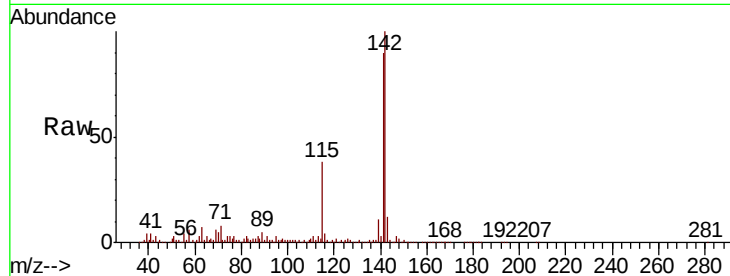
#34
2-Methylnaphthalene
Concen: 23.359 ng/ul
RT: 12.00 min Scan# 1549
Delta R.T. -0.00 min
Lab File: BM023646.D
Acq: 11 Nov 2019 20:53

Instrument :
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Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	69.8	104.8

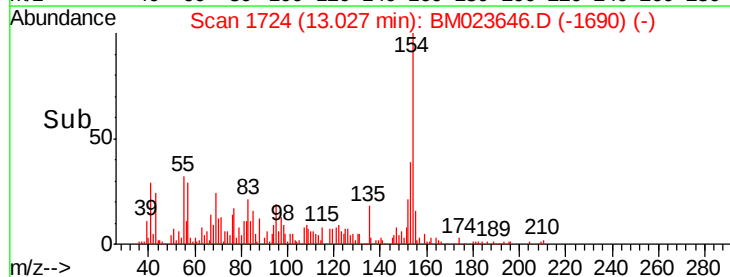
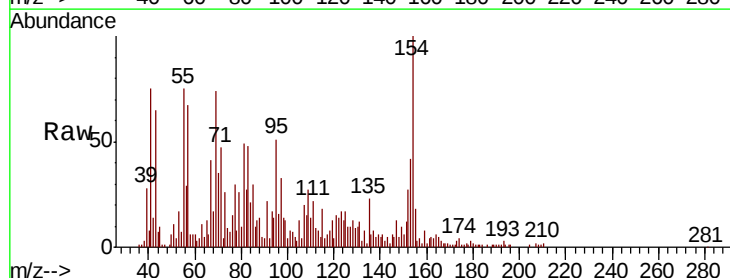
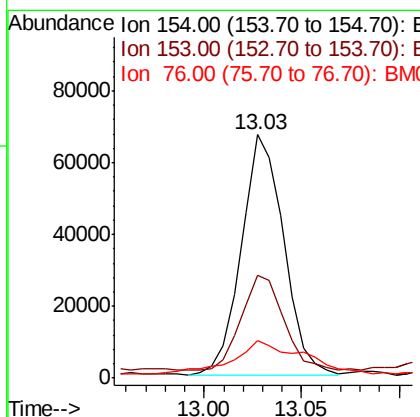
Manual Integrations
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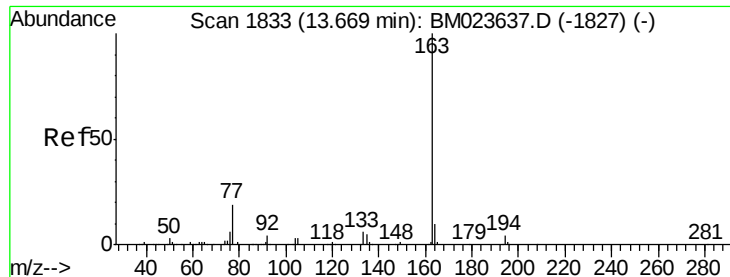
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#41
1,1'-Biphenyl
Concen: 1.302 ng/ul
RT: 13.03 min Scan# 1724
Delta R.T. -0.00 min
Lab File: BM023646.D
Acq: 11 Nov 2019 20:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.0	32.3	48.5
76	15.4	10.6	15.8





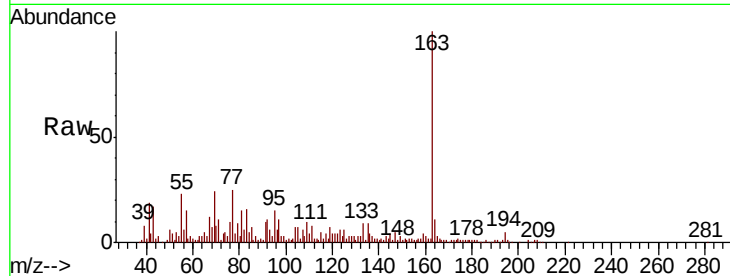
#45
Dimethylphthalate
Concen: 3.716 ng/ul
RT: 13.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: BM023646.D
Acq: 11 Nov 2019 20:53

Instrument :
BNA_M
ClientSampled :
BF6M1

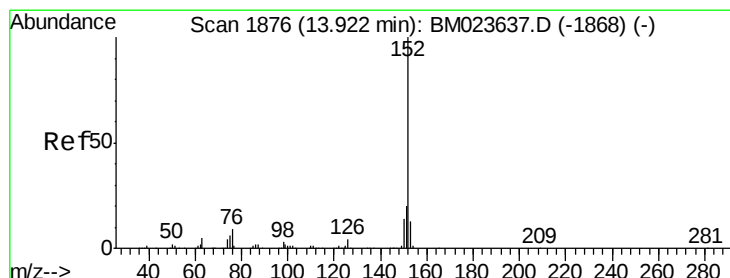
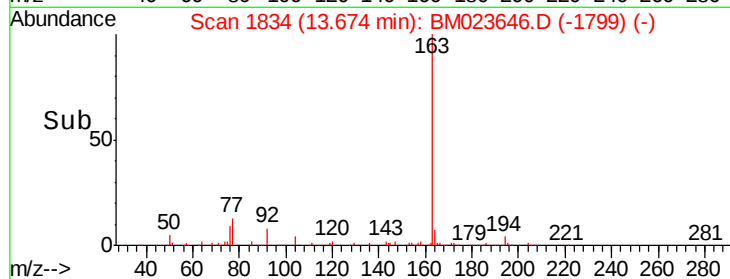
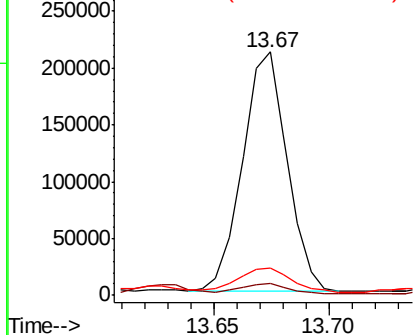
Tot Ion:	163	Resp:	283728
Ion Ratio	Lower	Upper	
163	100		
194	5.0	3.4	5.2
164	11.4	8.0	12.0

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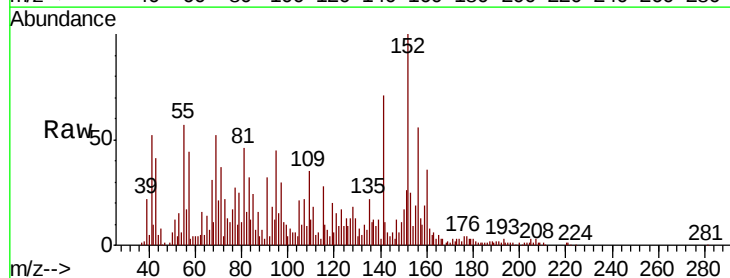


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

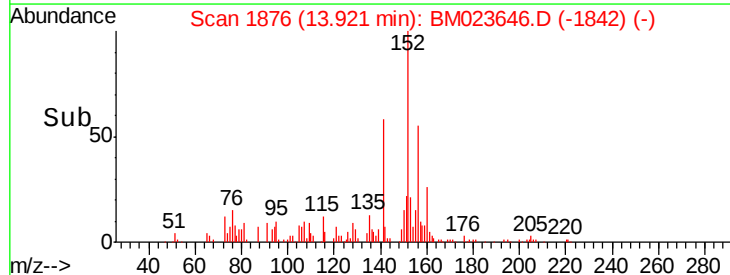
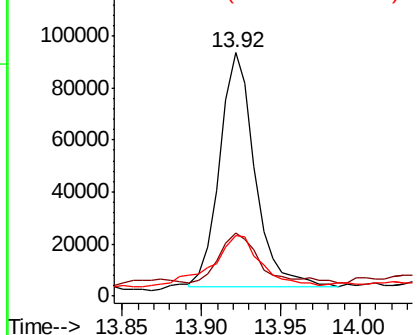


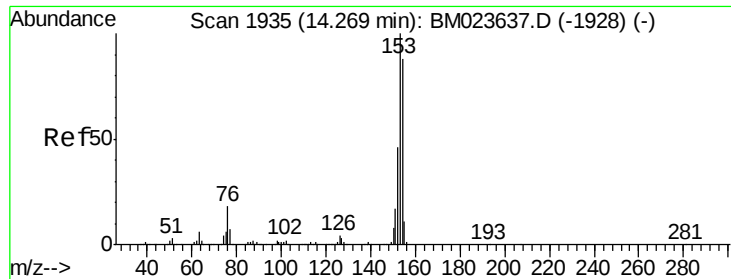
#48
Acenaphthylene
Concen: 1.546 ng/ul
RT: 13.92 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BM023646.D
Acq: 11 Nov 2019 20:53

Tgt Ion:	152	Resp:	138400
Ion Ratio	Lower	Upper	
152	100		
151	26.2	16.1	24.1#
153	24.9	10.4	15.6#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 3.020 ng/ul

RT: 14.27 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BM023646.D

Acq: 11 Nov 2019 20:53

Instrument :

BNA_M

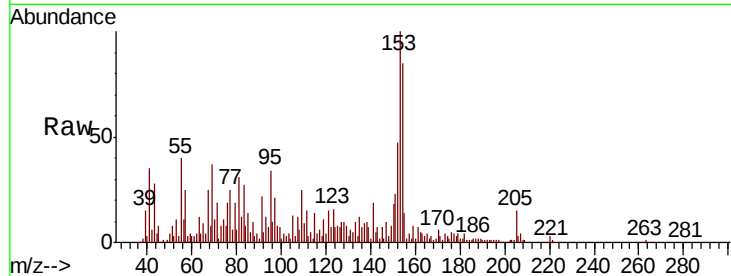
ClientSampleId :

BF6M1

Tot Ion:	153	Resp:	191820
Ion Ratio	Lower	Upper	
153	100		
152	47.1	37.7	56.5
154	85.1	70.6	106.0

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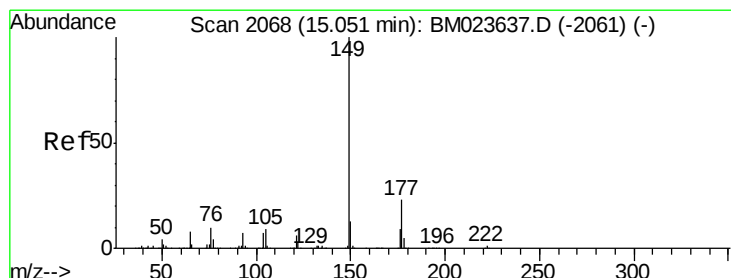
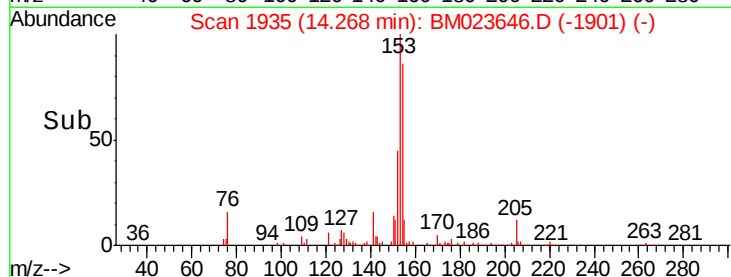
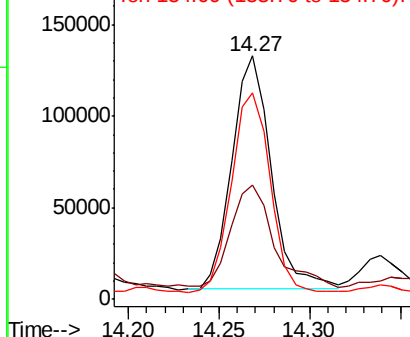


Abundance

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



#57

Diethylphthalate

Concen: 15.068 ng/ul

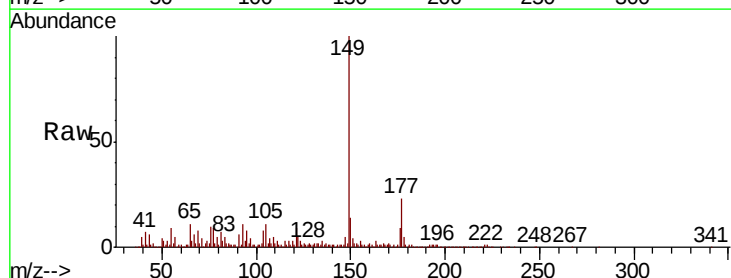
RT: 15.04 min Scan# 2067

Delta R.T. -0.01 min

Lab File: BM023646.D

Acq: 11 Nov 2019 20:53

Tgt Ion:	149	Resp:	1128836
Ion Ratio	Lower	Upper	
149	100		
177	23.1	18.9	28.3
150	14.0	9.9	14.9

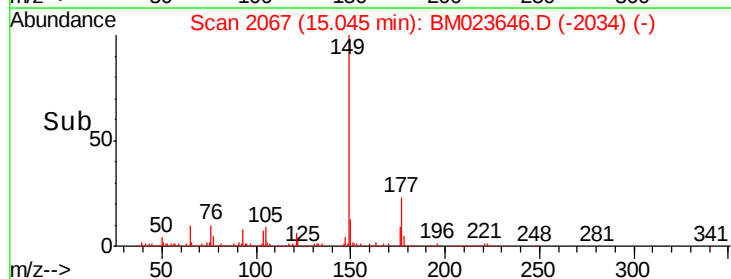
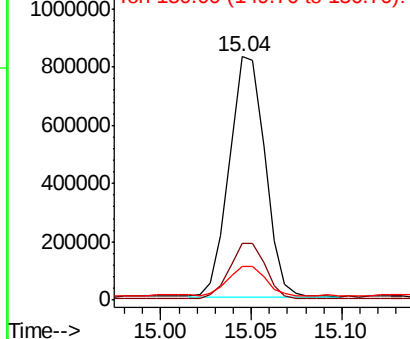


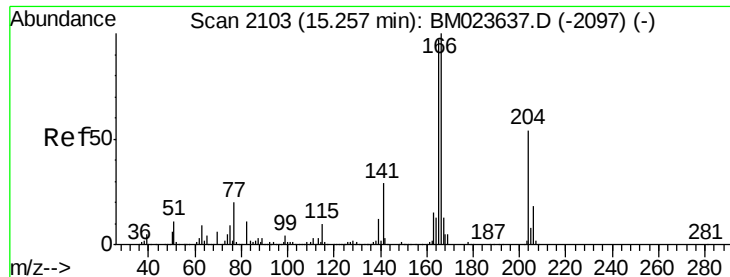
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





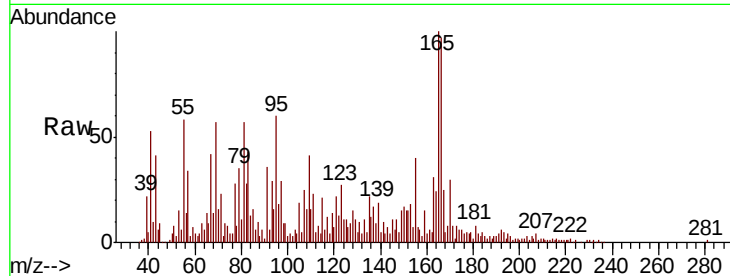
#59
Fluorene
Concen: 1.716 ng/ul
RT: 15.26 min Scan# 2103
Delta R.T. -0.00 min
Lab File: BM023646.D
Acq: 11 Nov 2019 20:53

Instrument :
BNA_M
ClientSampleId :
BF6M1

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.7	77.2	115.8
167	25.6	10.9	16.3

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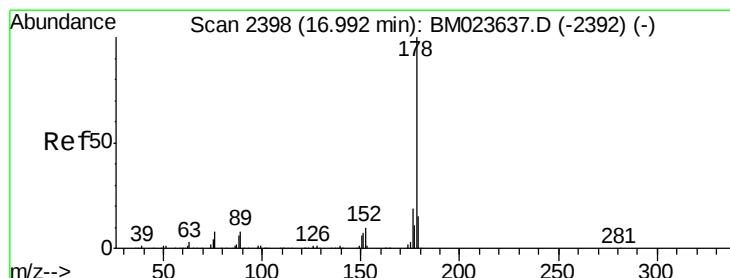
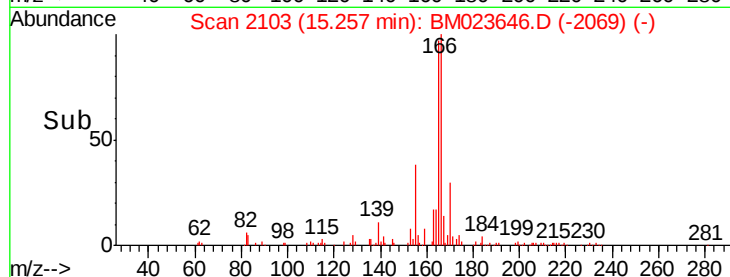
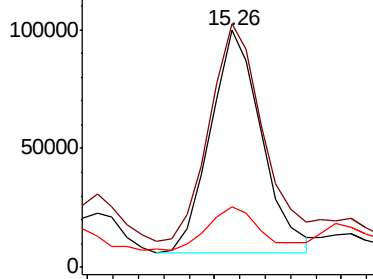


Abundance

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



#70
Phenanthrene
Concen: 8.230 ng/ul
RT: 17.00 min Scan# 2399
Delta R.T. 0.01 min
Lab File: BM023646.D
Acq: 11 Nov 2019 20:53

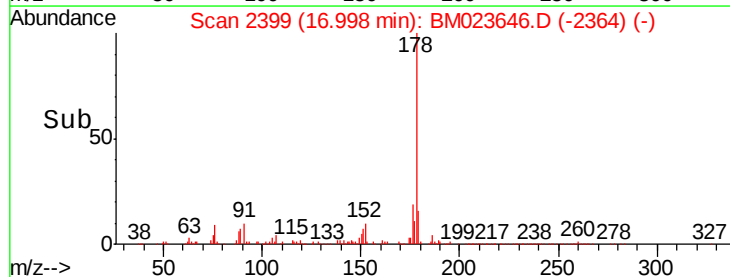
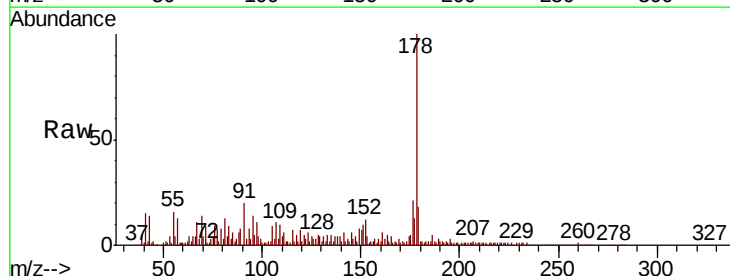
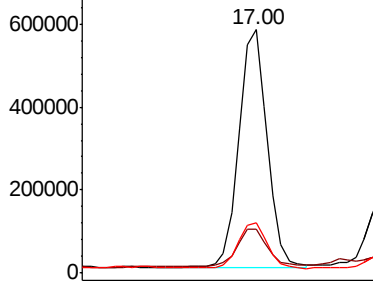
Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.8	12.3	18.5
176	20.9	15.0	22.6

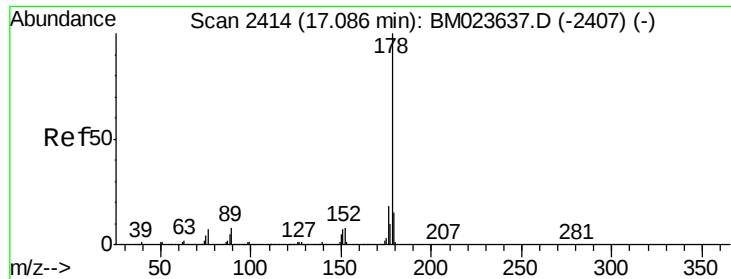
Abundance

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





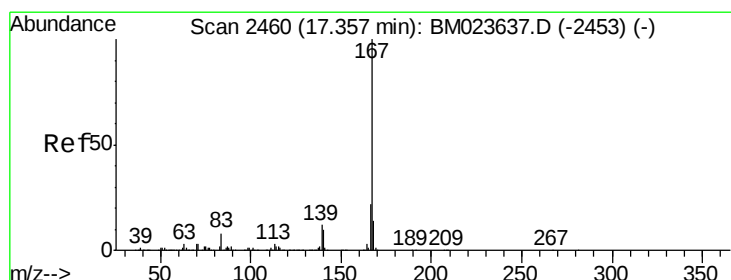
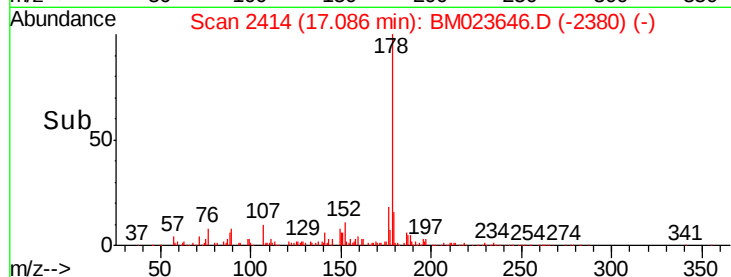
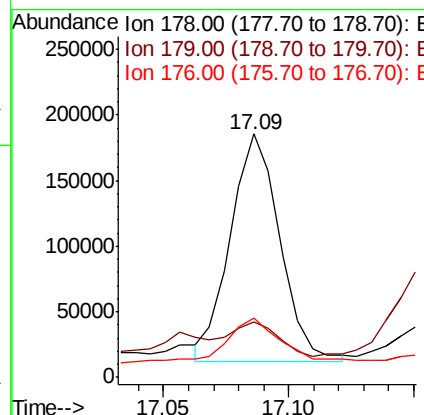
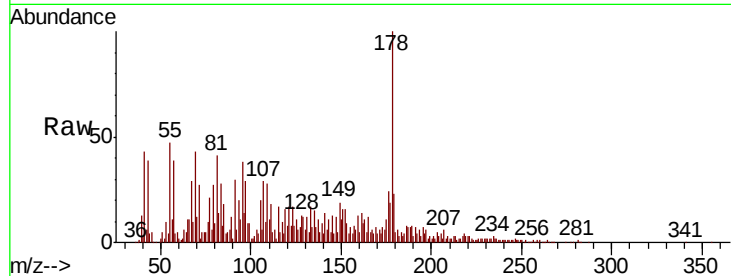
#72
 Anthracene
 Concen: 2.433 ng/ul m
 RT: 17.09 min Scan# 2414
 Delta R.T. -0.00 min
 Lab File: BM023646.D
 Acq: 11 Nov 2019 20:53

Instrument :
 BNA_M
 ClientSampleID :
 BF6M1

Tot Ion	Ratio	Lower	Upper
178	100		
179	22.9	12.3	18.5#
176	24.3	14.7	22.1#

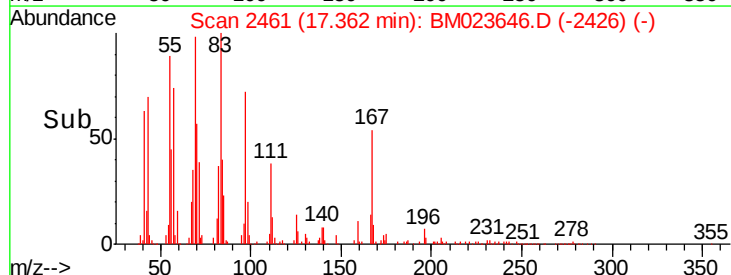
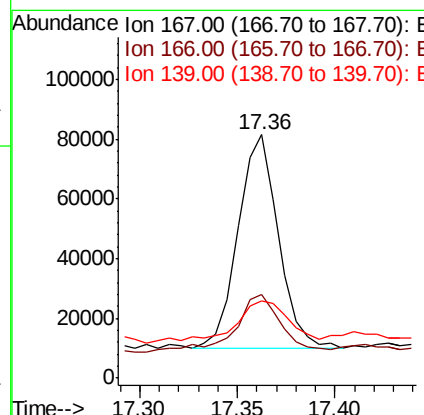
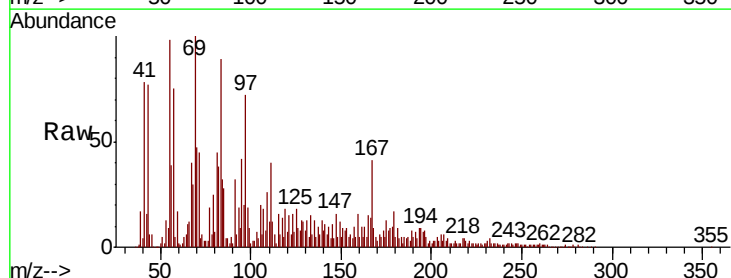
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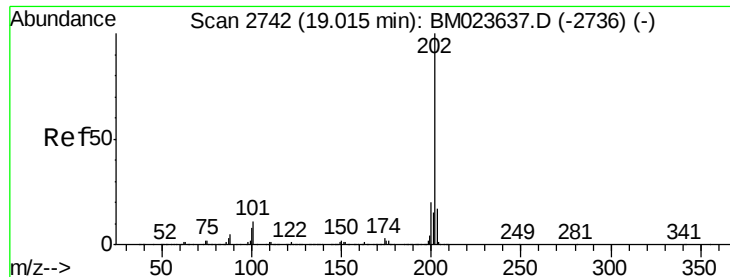
mohammad
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#75
 Carbazole
 Concen: 1.244 ng/ul
 RT: 17.36 min Scan# 2461
 Delta R.T. 0.01 min
 Lab File: BM023646.D
 Acq: 11 Nov 2019 20:53

Tgt Ion	Ratio	Lower	Upper
167	100		
166	34.5	17.1	25.7#
139	31.7	9.8	14.6#





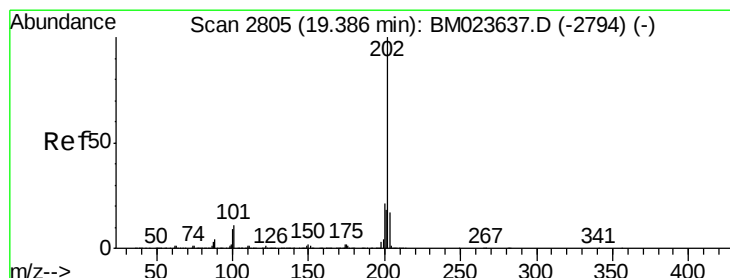
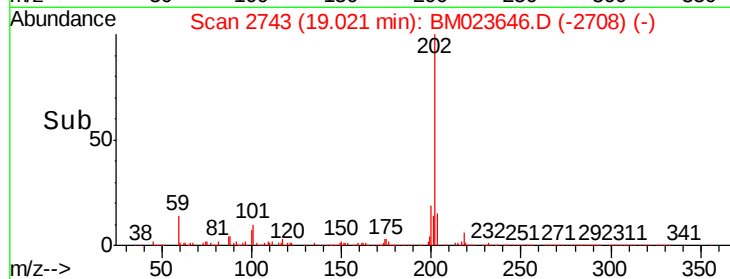
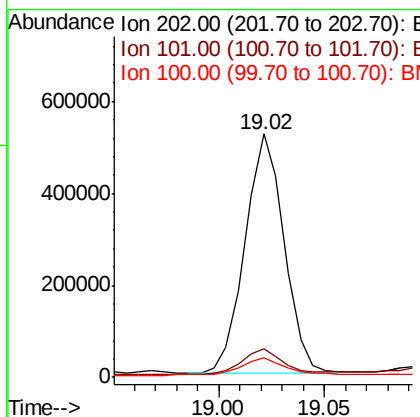
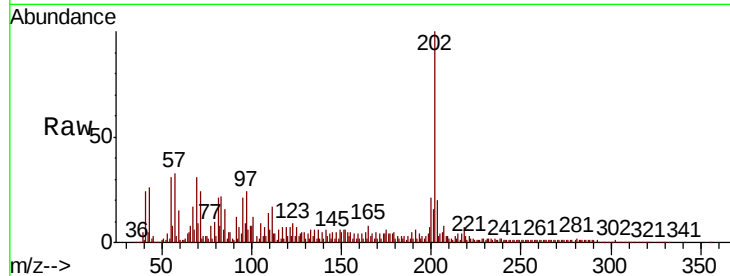
#77
 Fluoranthene
 Concen: 6.381 ng/ul
 RT: 19.02 min Scan# 2743
 Delta R.T. 0.01 min
 Lab File: BM023646.D
 Acq: 11 Nov 2019 20:53

Instrument :
 BNA_M
 ClientSampleId :
 BF6M1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.8	7.7	11.5#
100	8.3	6.0	9.0

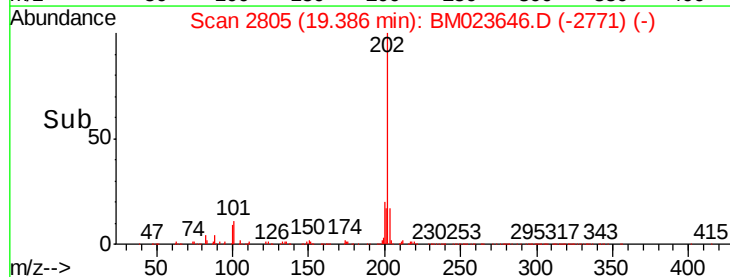
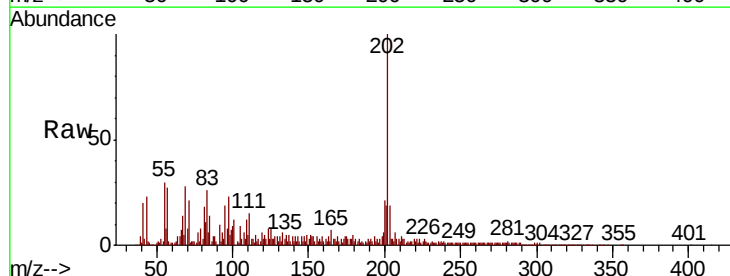
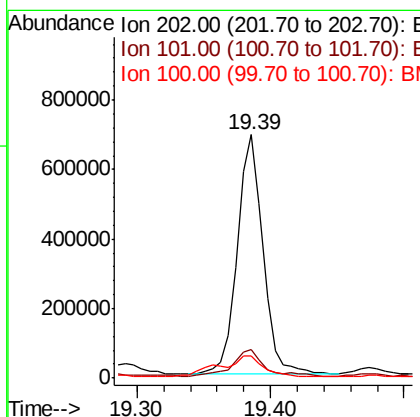
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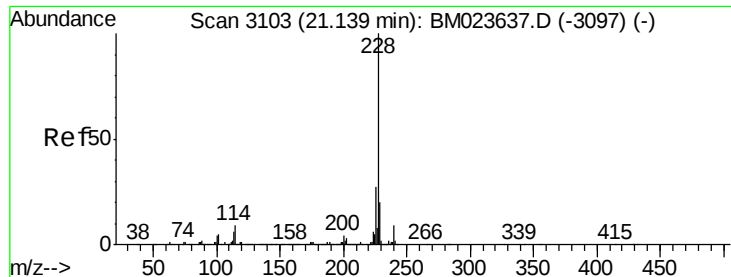
mohammad
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#80
 Pyrene
 Concen: 8.872 ng/ul
 RT: 19.39 min Scan# 2805
 Delta R.T. -0.00 min
 Lab File: BM023646.D
 Acq: 11 Nov 2019 20:53

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	11.8	9.8	14.6
100	9.3	8.1	12.1





#83

Benzo(a)anthracene

Concen: 4.264 ng/ul

RT: 21.14 min Scan# 3103

Delta R.T. -0.00 min

Lab File: BM023646.D

Acq: 11 Nov 2019 20:53

Instrument :

BNA_M

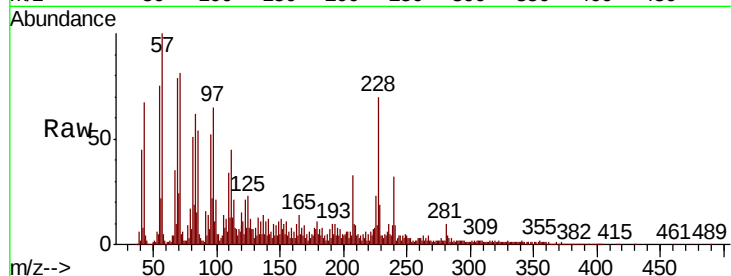
ClientSampleId :

BF6M1

Tot Ion:	228	Resp:	451045
Ion Ratio	Lower	Upper	
228	100		
229	27.6	15.6	23.4#
226	33.4	21.4	32.2#

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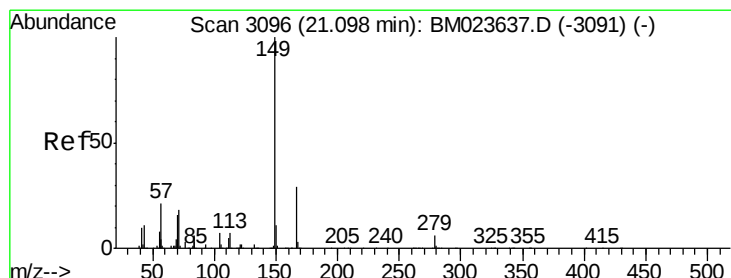
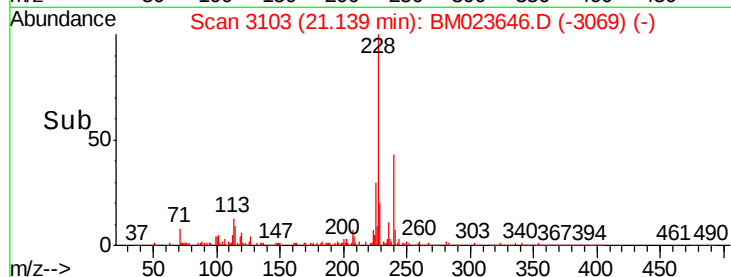
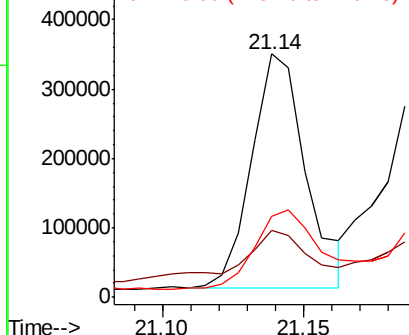


Abundance

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

Bis(2-ethylhexyl)phthalate

Concen: 3.872 ng/ul

RT: 21.10 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM023646.D

Acq: 11 Nov 2019 20:53

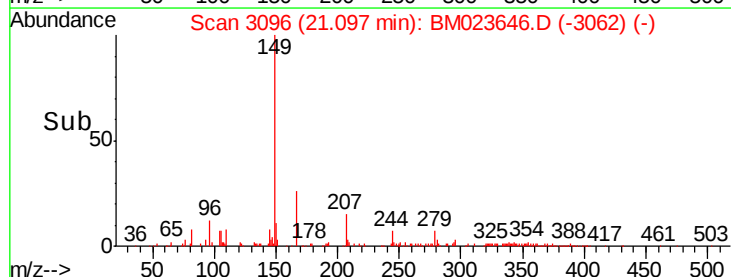
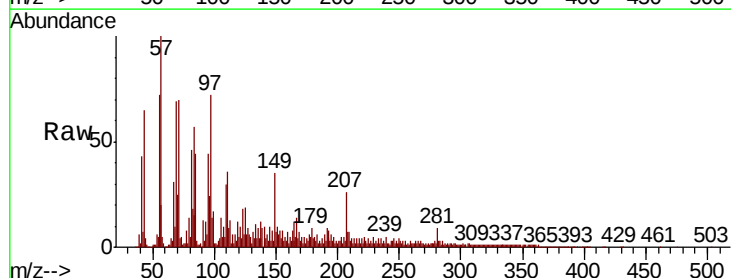
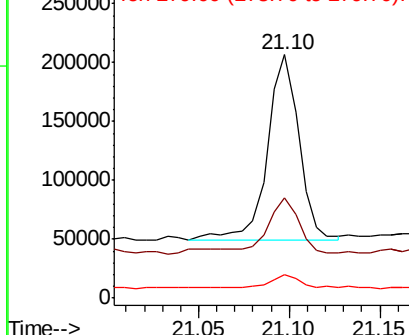
Tgt Ion:	149	Resp:	191931
Ion Ratio	Lower	Upper	
149	100		
167	41.0	23.4	35.2#
279	9.6	5.0	7.4#

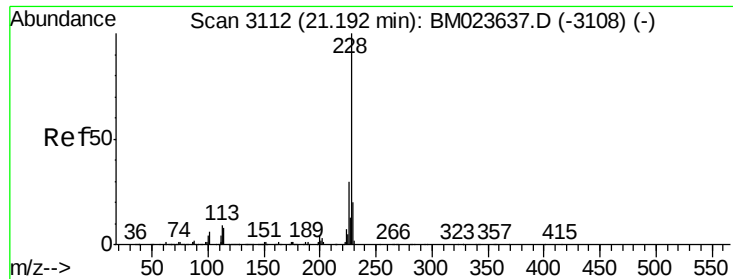
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





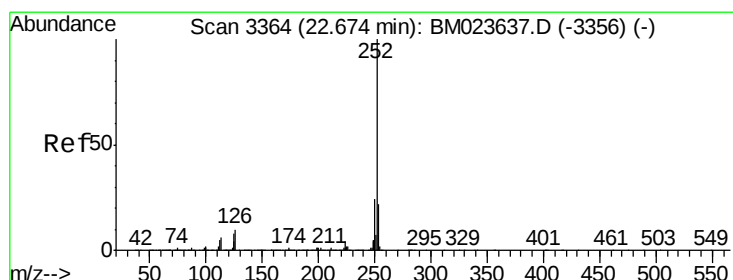
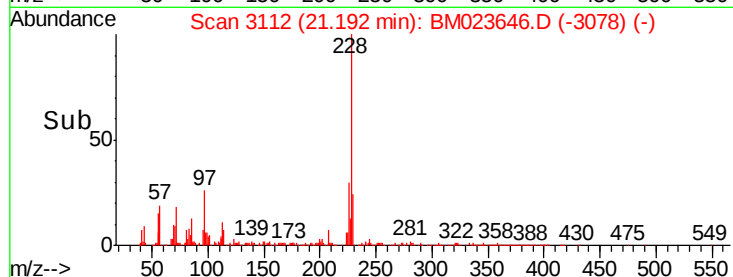
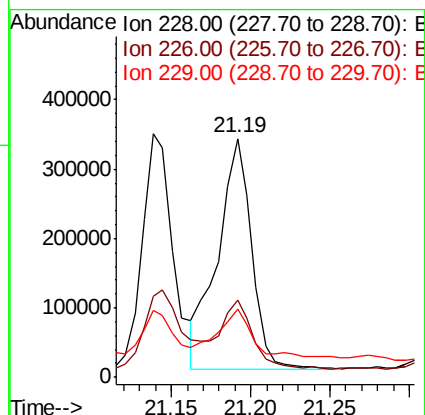
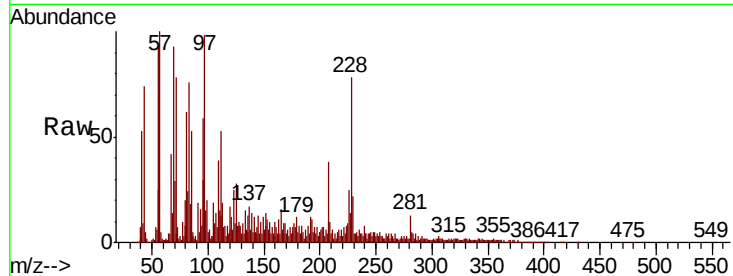
#85
Chrysene
Concen: 4.947 ng/ul
RT: 21.19 min Scan# 3112
Delta R.T. -0.00 min
Lab File: BM023646.D
Acq: 11 Nov 2019 20:53

Instrument :
BNA_M
ClientSampleId :
BF6M1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	32.4		23.8	35.8	
229	28.5		15.8	23.6	

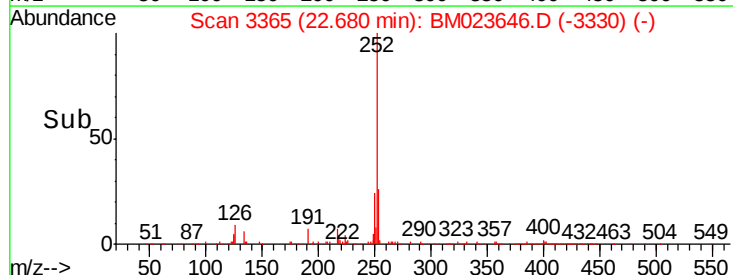
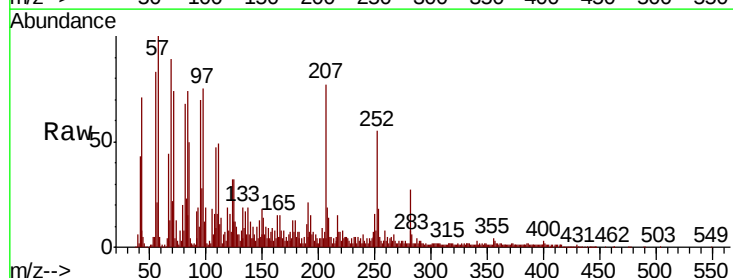
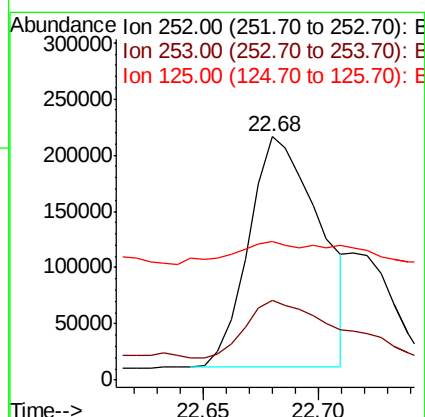
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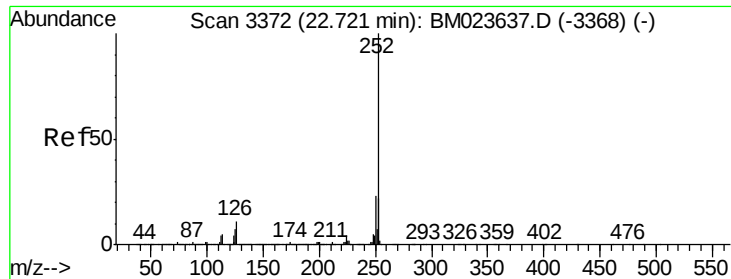
mohammad
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#88
Benzo(b)fluoranthene
Concen: 3.482 ng/ul
RT: 22.68 min Scan# 3365
Delta R.T. 0.01 min
Lab File: BM023646.D
Acq: 11 Nov 2019 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	32.9		17.8	26.8	
125	57.1		6.5	9.7	





#89

Benzo(k)fluoranthene

Concen: 1.145 ng/ul

RT: 22.72 min Scan# 3371

Delta R.T. -0.01 min

Lab File: BM023646.D

Acq: 11 Nov 2019 20:53

Instrument :

BNA_M

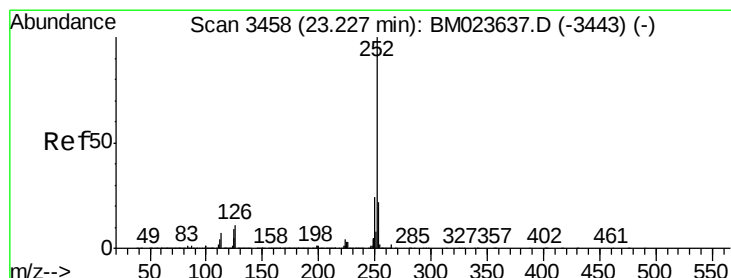
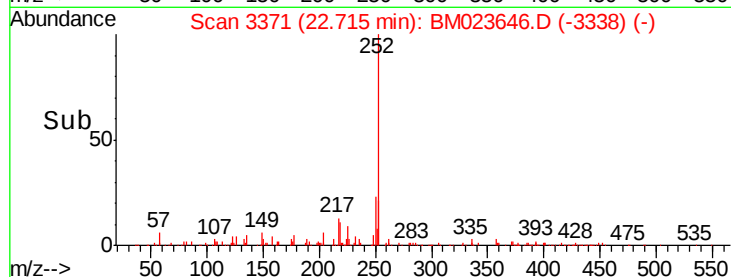
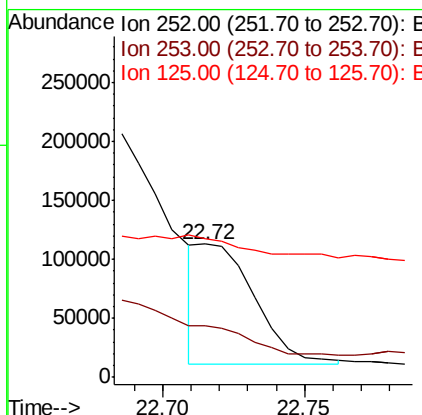
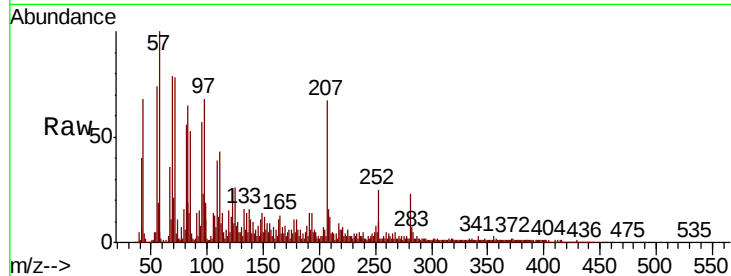
ClientSampleId :

BF6M1

Tot Ion:	252	Resp:	139216
Ion Ratio	Lower	Upper	
252	100		
253	39.0	17.2	25.8#
125	104.4	5.9	8.9#

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#91

Benzo(a)pyrene

Concen: 2.591 ng/ul

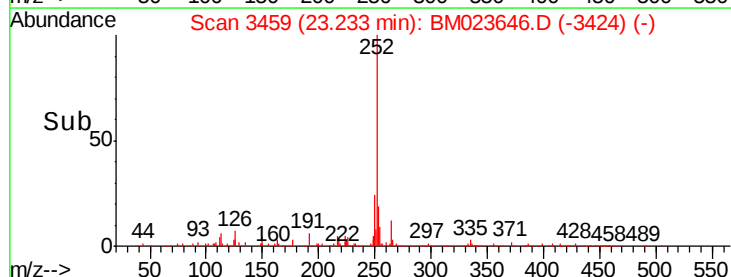
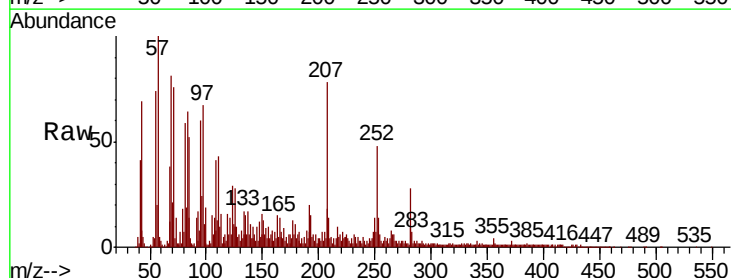
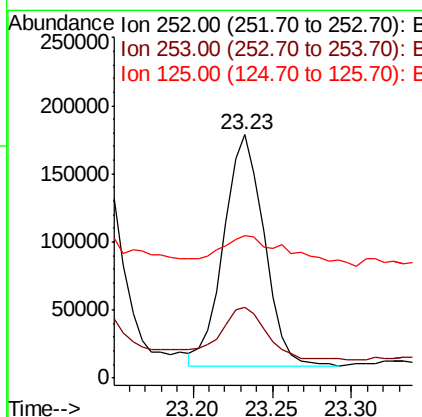
RT: 23.23 min Scan# 3459

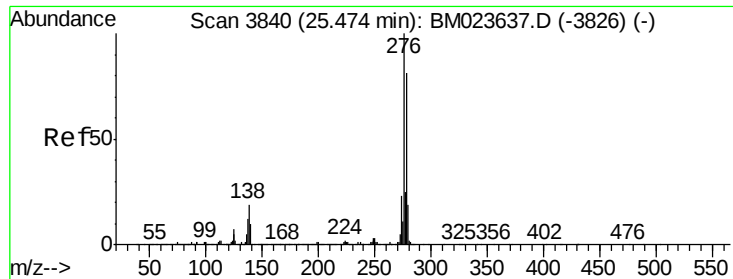
Delta R.T. 0.01 min

Lab File: BM023646.D

Acq: 11 Nov 2019 20:53

Tgt Ion:	252	Resp:	299330
Ion Ratio	Lower	Upper	
252	100		
253	29.3	17.3	25.9#
125	58.6	6.9	10.3#





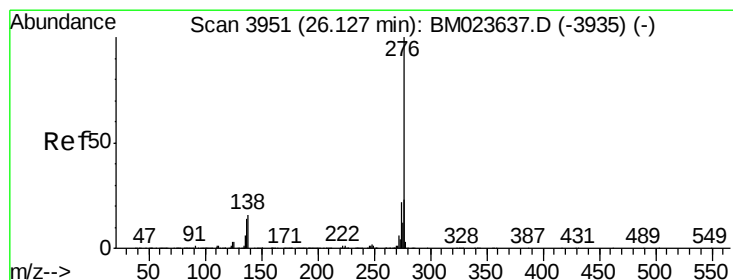
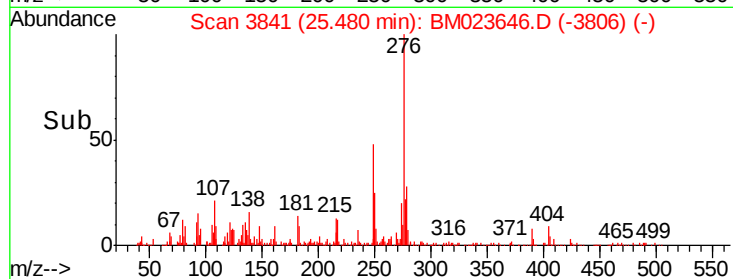
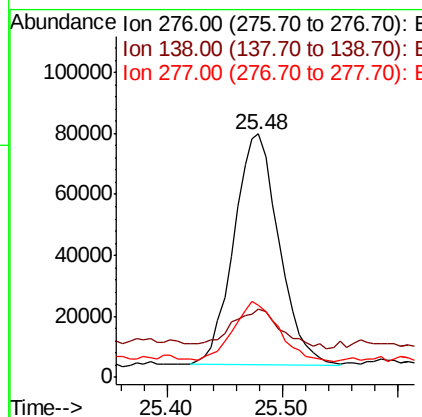
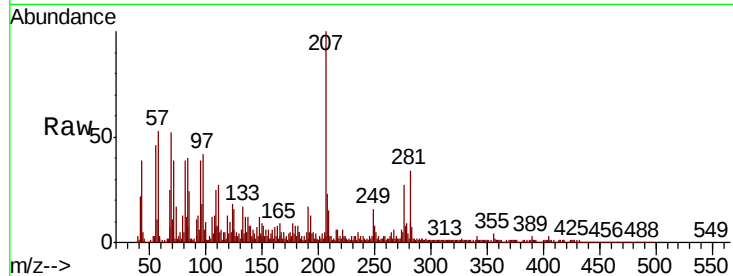
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 1.661 ng/ul
 RT: 25.48 min Scan# 3841
 Delta R.T. 0.01 min
 Lab File: BM023646.D
 Acq: 11 Nov 2019 20:53

Instrument :
 BNA_M
 ClientSampled :
 BF6M1

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	15.0	22.4#
277	29.7	20.0	30.0

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#94
 Benzo(g,h,i)perylene
 Concen: 2.385 ng/ul
 RT: 26.14 min Scan# 3953
 Delta R.T. 0.01 min
 Lab File: BM023646.D
 Acq: 11 Nov 2019 20:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	13.2	19.8#
277	26.4	18.6	28.0

