

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
 Data File : BM023876.D
 Acq On : 23 Nov 2019 02:45
 Operator : JU
 Sample : K5854-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

mohammad
 11/25/2019 8:20:58 AM

Quant Time: Nov 23 05:55:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 23 05:21:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	413639	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	1655054	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	1018336	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.92	188	2069763	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	2011536	20.00	ng/ul	0.00
86) Perylene-d12	23.29	264	2553325	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	32480	3.24	ng/uL	0.00
5) Phenol-d5	6.70	99	759213	20.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	432859	19.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	613835	22.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	539233	17.93	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	300589	25.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.37	143	348856	28.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	628548	22.14	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	529082	16.97	ng/ul	0.00
44) Dimethylphthalate-d6	13.59	166	1861650	23.44	ng/ul	0.00
47) Acenaphthylene-d8	13.86	160	2268634	25.03	ng/ul	0.00
52) 4-Nitrophenol-d4	14.41	143	201411	14.86	ng/ul	0.01
58) Fluorene-d10	15.17	176	1657135	23.63	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	83088	6.94	ng/ul	0.00
71) Anthracene-d10	17.02	188	2531952	25.79	ng/ul	0.00
79) Pyrene-d10	19.33	212	2698842	25.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.16	264	3463088	25.77	ng/ul	0.01

Target Compounds

					Qvalue	
6) Phenol	6.73	94	245271	6.314	ng/ul	96
14) Acetophenone	8.33	105	144202	3.074	ng/ul	96
28) Naphthalene	10.33	128	514529	5.915	ng/ul	99
32) Caprolactam	11.25	113	20392	2.304	ng/ul	94
34) 2-Methylnaphthalene	11.96	142	533550	8.018	ng/ul	96
41) 1,1'-Biphenyl	12.99	154	150529	1.916	ng/ul	98
45) Dimethylphthalate	13.63	163	459952	5.910	ng/ul	99
48) Acenaphthylene	13.89	152	128241	1.406	ng/ul#	95
50) Acenaphthene	14.23	153	175818	2.715	ng/ul	98
54) Dibenzofuran	14.57	168	277109	2.891	ng/ul	97
59) Fluorene	15.23	166	225574	2.901	ng/ul#	97
65) N-Nitrosodiphenylamine	15.44	169	63357	1.043	ng/ul	89
70) Phenanthrene	16.96	178	3157786	27.699	ng/ul	100
72) Anthracene	17.06	178	898630	7.839	ng/ul	99
75) Carbazole	17.33	167	423525	4.432	ng/ul	98
76) Di-n-butylphthalate	17.91	149	840398	7.975	ng/ul	98
77) Fluoranthene	18.99	202	4367230	35.755	ng/ul#	95
80) Pyrene	19.36	202	3945446	30.344	ng/ul	97
81) Butylbenzylphthalate	20.27	149	173303	4.208	ng/ul	88
83) Benzo(a)anthracene	21.12	228	2284660	17.219	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.07	149	1950180	31.365	ng/ul	99
85) Chrysene	21.16	228	2200227m	17.614	ng/ul	
88) Benzo(b)fluoranthene	22.65	252	3528452	21.678	ng/ul#	95

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 23 05:21:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	22.69	252	910355m	5.805	ng/ul	
91) Benzo(a)pyrene	23.20	252	2250866	15.106	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.43	276	1627358	10.214	ng/ul	99
93) Dibenzo(a,h)anthracene	25.43	278	425299	3.163	ng/ul#	83
94) Benzo(g,h,i)perylene	26.09	276	1595131	12.355	ng/ul	98

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

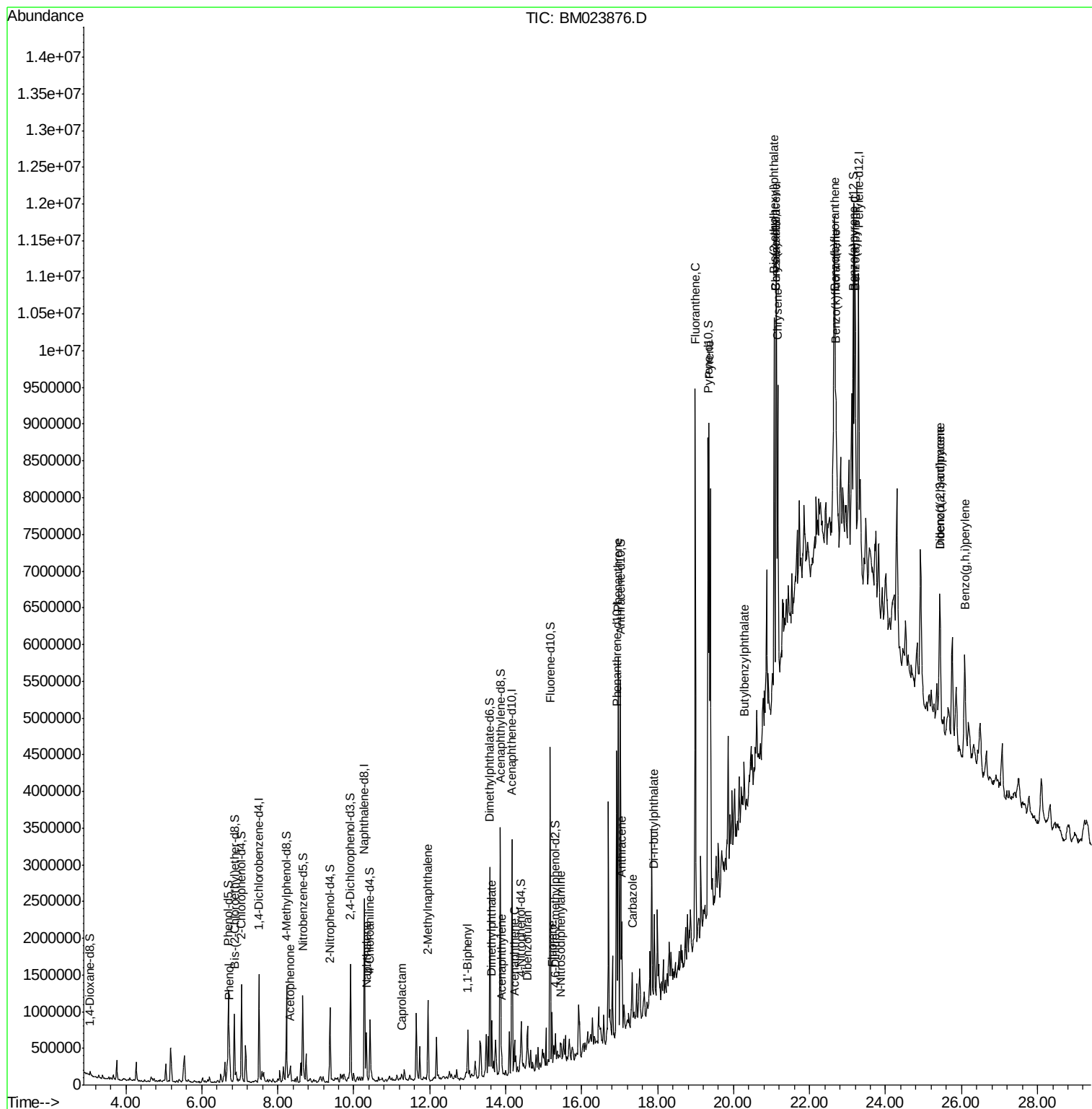
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Data File : BM023876.D
Acq On : 23 Nov 2019 02:45
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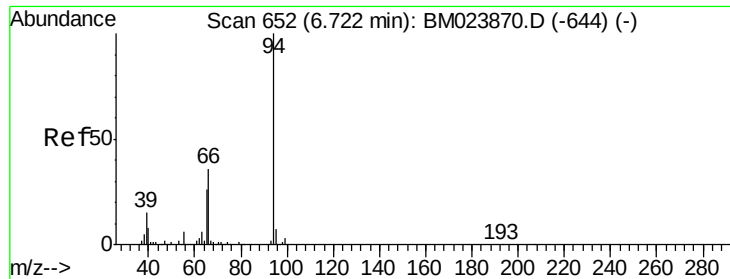
Instrument :
BNA_M
ClientSampled :
C0AC4

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#6

Phenol

Concen: 6.314 ng/ul

RT: 6.73 min Scan# 653

Delta R.T. 0.01 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

Instrument :

BNA_M

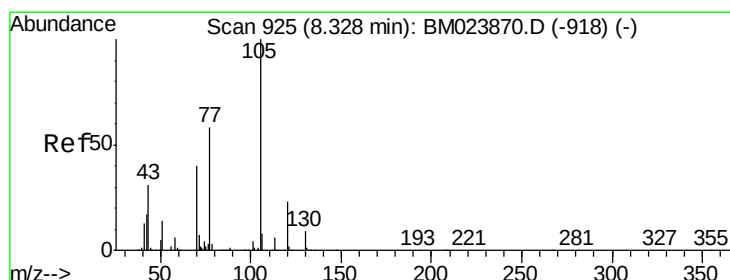
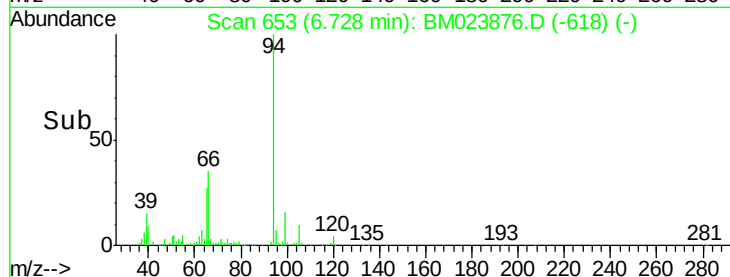
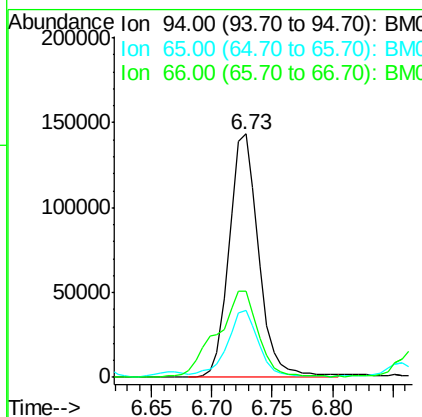
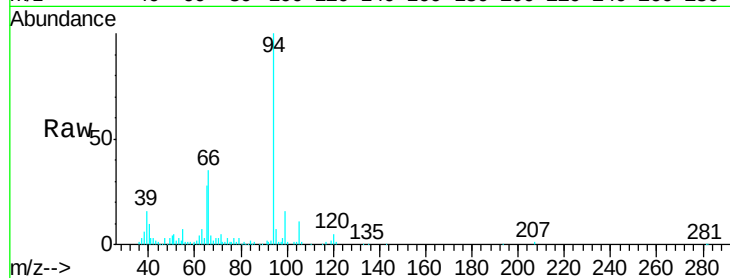
ClientSampleId :

C0AC4

Tgt Ion:	94	Resp:	245271
Ion	Ratio	Lower	Upper
94	100		
65	27.6	21.4	32.2
66	35.2	30.7	46.1

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#14

Acetophenone

Concen: 3.074 ng/ul

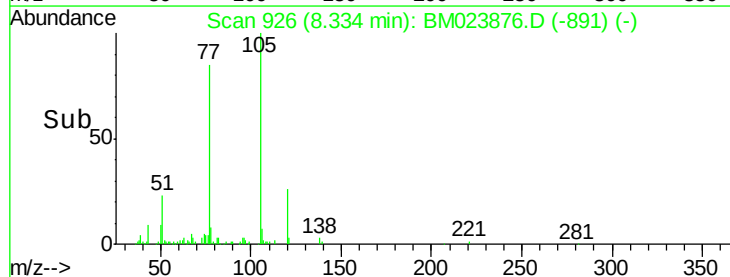
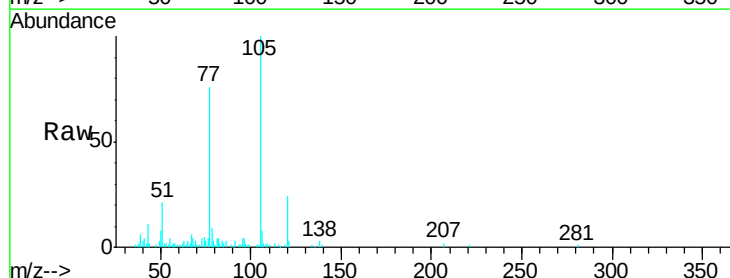
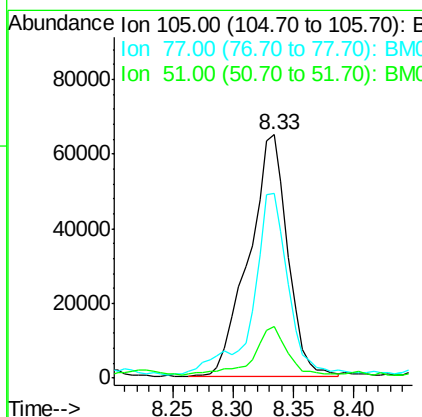
RT: 8.33 min Scan# 926

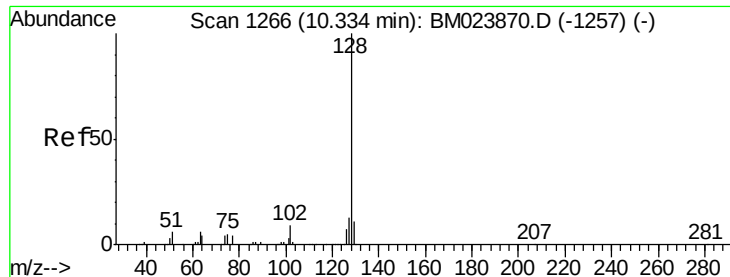
Delta R.T. 0.01 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

Tgt Ion:	105	Resp:	144202
Ion	Ratio	Lower	Upper
105	100		
77	76.0	63.8	95.6
51	21.2	16.3	24.5





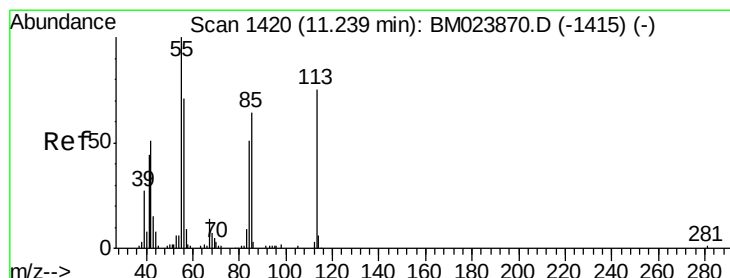
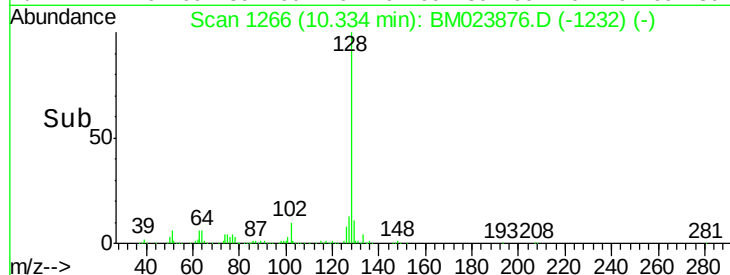
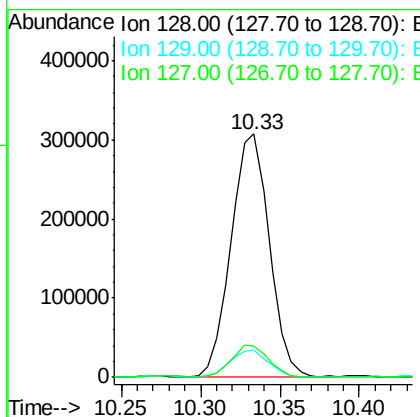
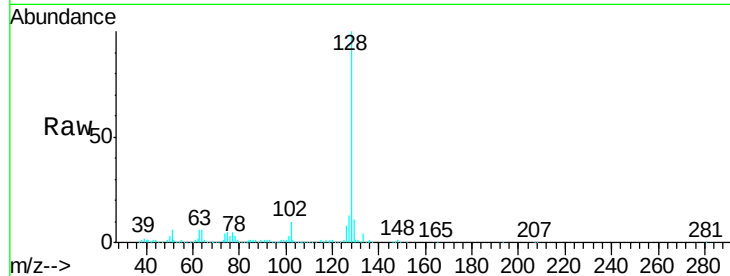
#28
Naphthalene
Concen: 5.915 ng/ul
RT: 10.33 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BM023876.D
Acq: 23 Nov 2019 02:45

Instrument :
BNA_M
ClientSampleId :
C0AC4

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.0	10.6	16.0

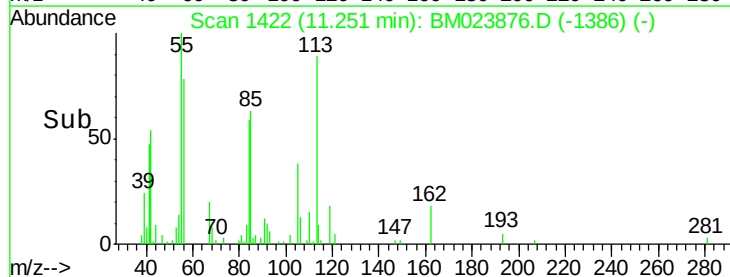
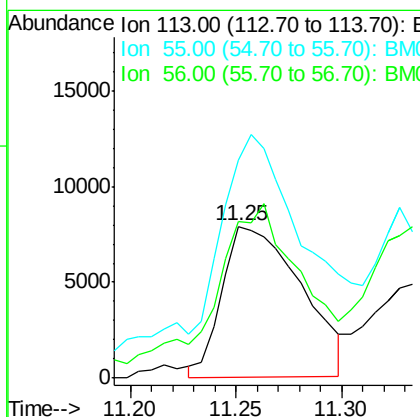
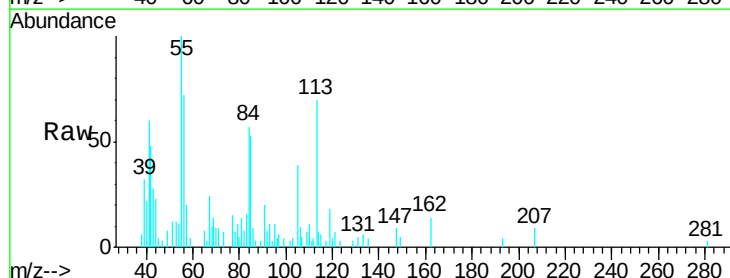
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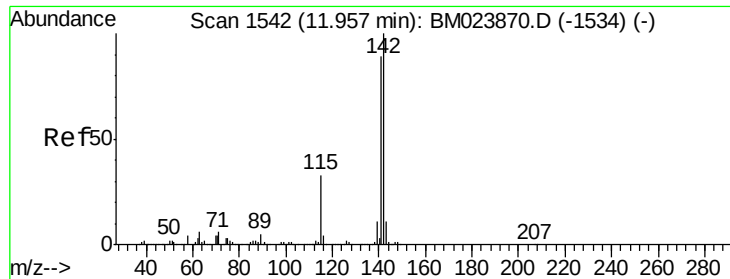
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#32
Caprolactam
Concen: 2.304 ng/ul
RT: 11.25 min Scan# 1422
Delta R.T. 0.01 min
Lab File: BM023876.D
Acq: 23 Nov 2019 02:45

Tgt Ion	Ratio	Lower	Upper
113	100		
55	143.8	105.8	158.6
56	103.3	83.0	124.6





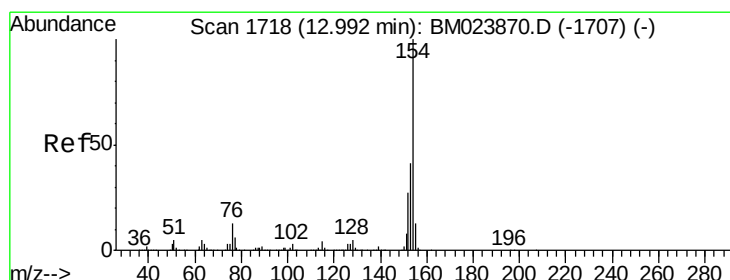
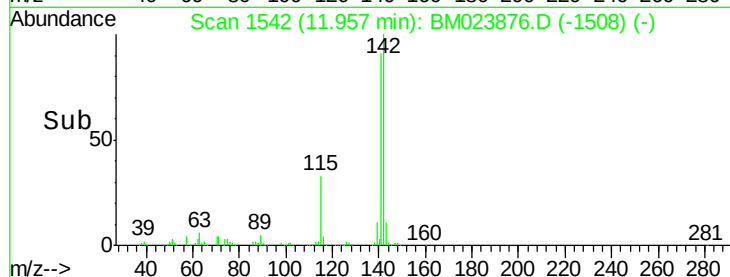
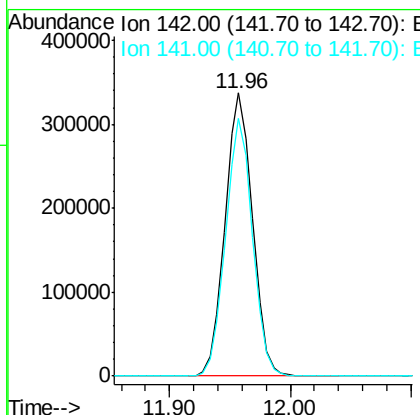
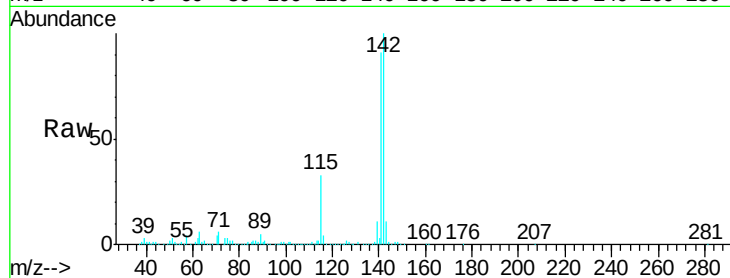
#34
 2-Methylnaphthalene
 Concen: 8.018 ng/ul
 RT: 11.96 min Scan# 1542
 Delta R.T. 0.00 min
 Lab File: BM023876.D
 Acq: 23 Nov 2019 02:45

Instrument :
 BNA_M
 ClientSampleId :
 C0AC4

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	533550		
141	91.2	69.8	104.8	

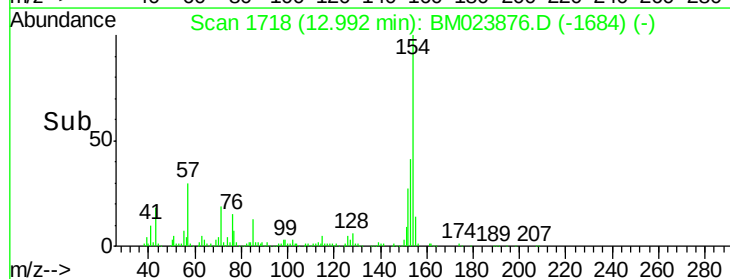
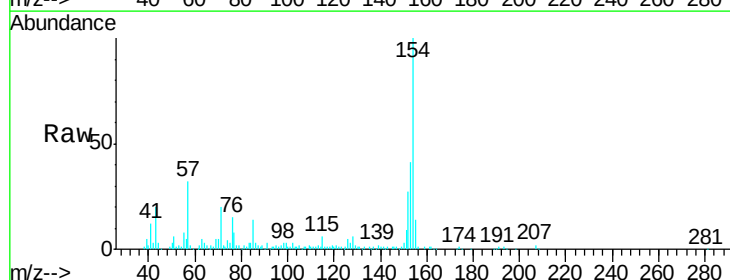
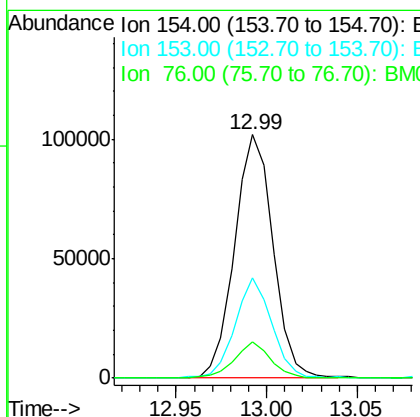
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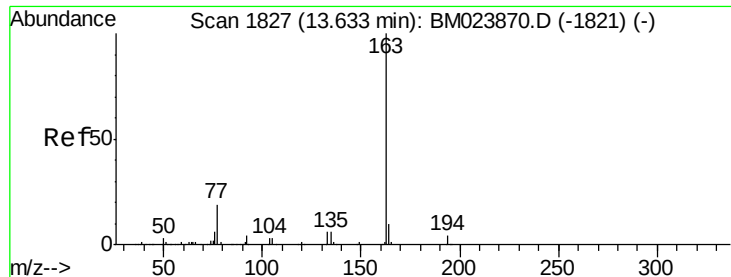
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#41
 1,1'-Biphenyl
 Concen: 1.916 ng/ul
 RT: 12.99 min Scan# 1718
 Delta R.T. 0.00 min
 Lab File: BM023876.D
 Acq: 23 Nov 2019 02:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	150529		
153	41.1	32.3	48.5	
76	15.1	10.6	15.8	





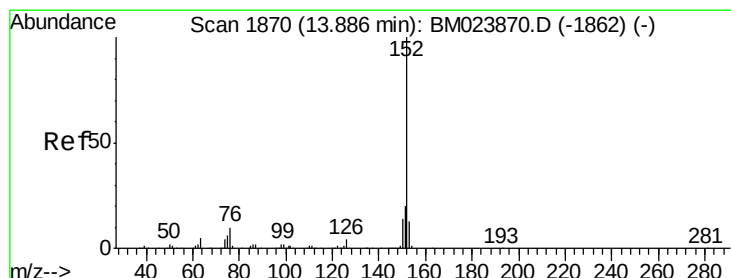
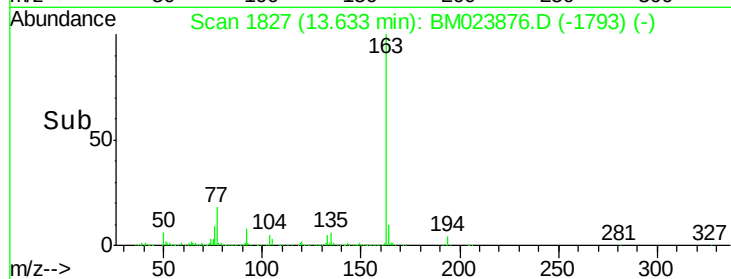
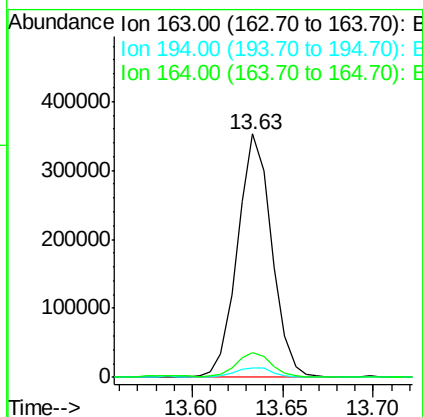
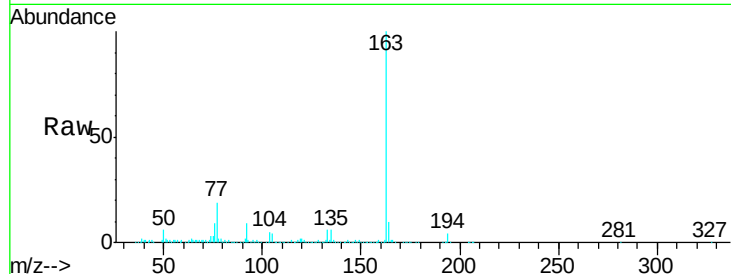
#45
Dimethylphthalate
Concen: 5.910 ng/ul
RT: 13.63 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BM023876.D
Acq: 23 Nov 2019 02:45

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ClientSampleId :
C0AC4

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.1	3.4	5.2
164	10.2	8.0	12.0

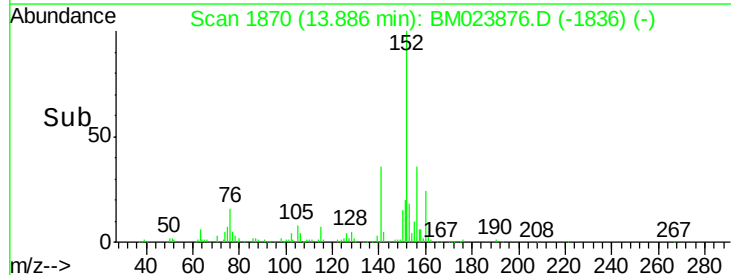
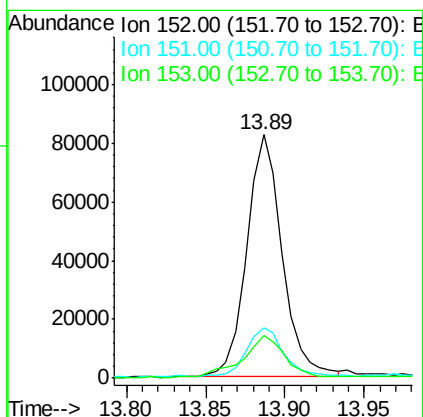
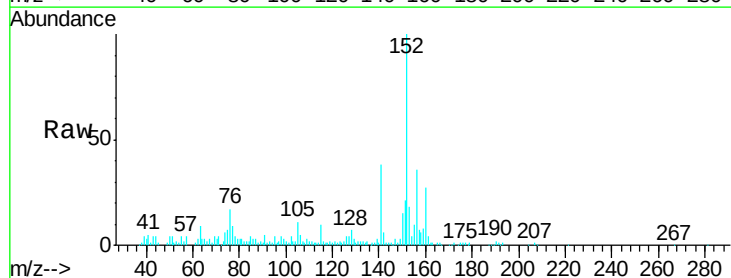
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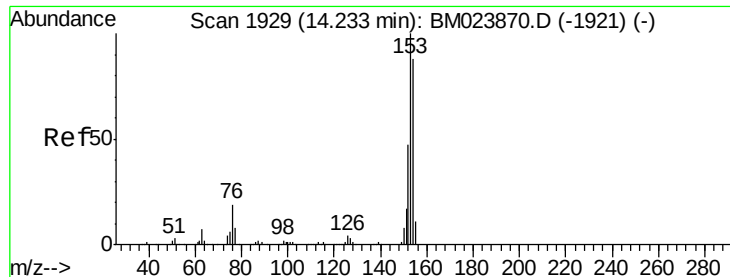
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#48
Acenaphthylene
Concen: 1.406 ng/ul
RT: 13.89 min Scan# 1870
Delta R.T. 0.00 min
Lab File: BM023876.D
Acq: 23 Nov 2019 02:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	20.5	16.1	24.1
153	17.6	10.4	15.6





#50

Acenaphthene

Concen: 2.715 ng/ul

RT: 14.23 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

Instrument :

BNA_M

ClientSampleId :

C0AC4

Tgt Ion:153 Resp: 175818

Ion Ratio Lower Upper

153 100

152 47.5 37.7 56.5

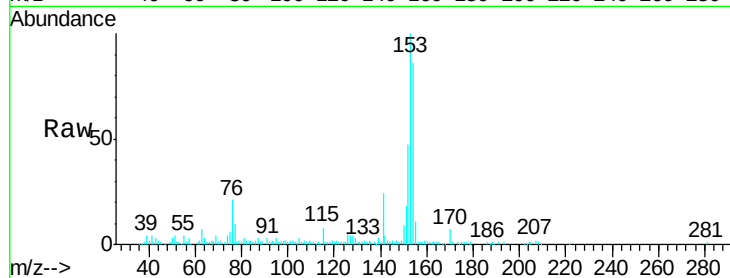
154 86.3 70.6 106.0

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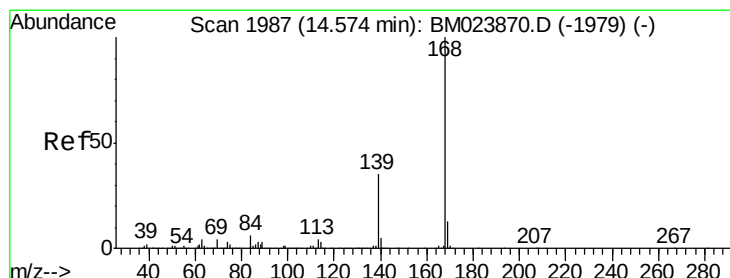
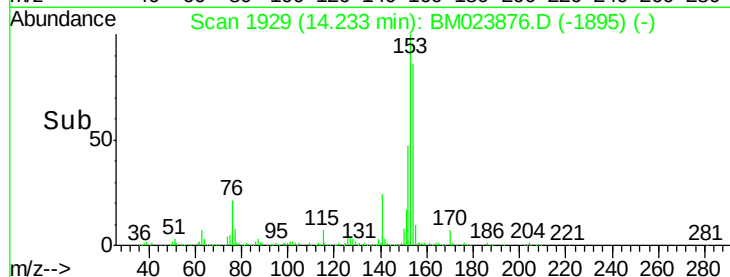
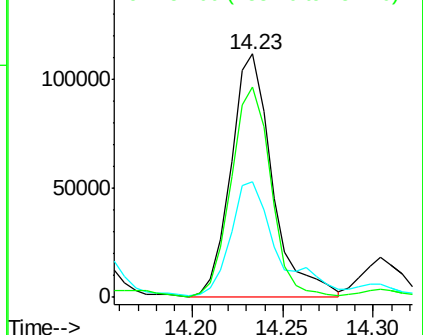
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 2.891 ng/ul

RT: 14.57 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BM023876.D

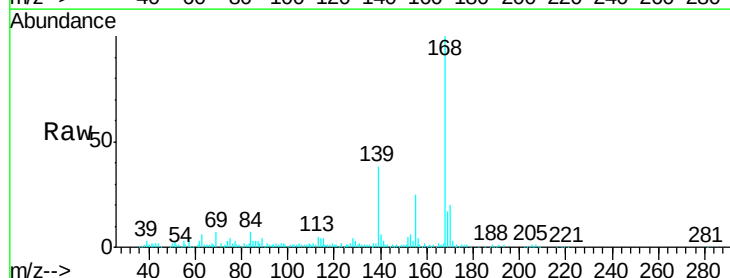
Acq: 23 Nov 2019 02:45

Tgt Ion:168 Resp: 277109

Ion Ratio Lower Upper

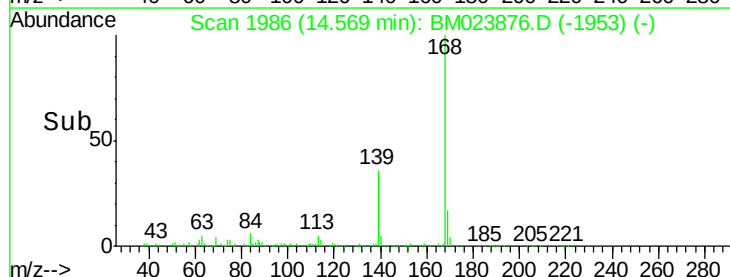
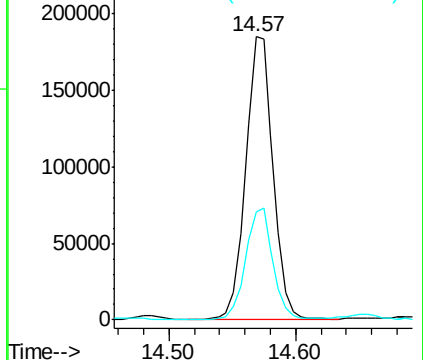
168 100

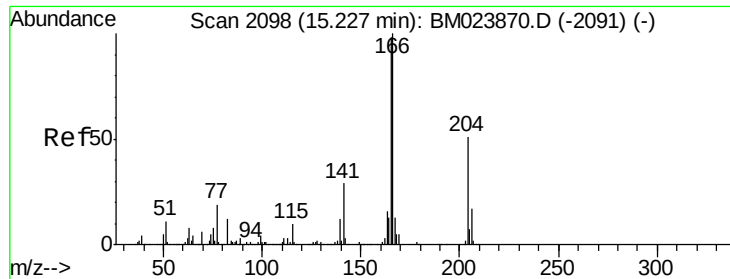
139 38.1 29.3 43.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





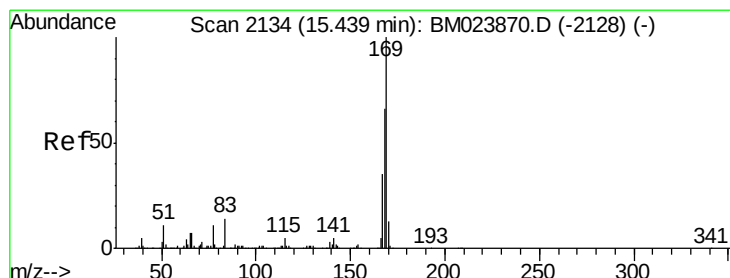
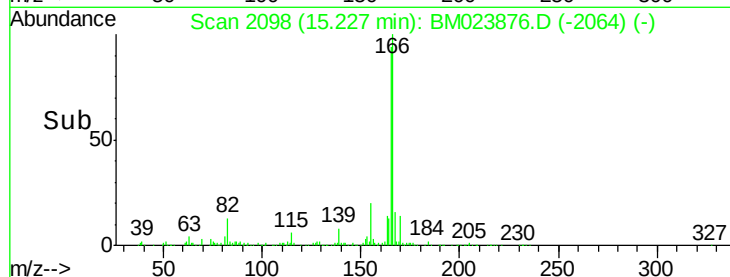
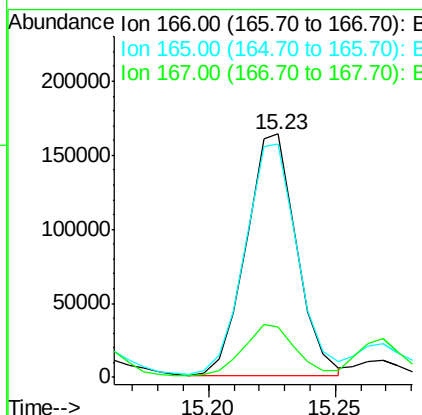
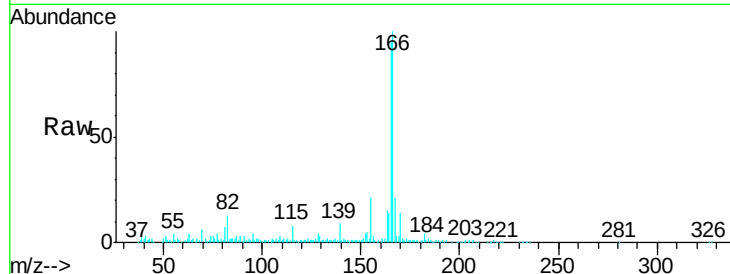
#59
Fluorene
 Concen: 2.901 ng/ul
 RT: 15.23 min Scan# 2098
 Delta R.T. 0.00 min
 Lab File: BM023876.D
 Acq: 23 Nov 2019 02:45

Instrument :
 BNA_M
 ClientSampleId :
 C0AC4

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	225574		
165	95.8	77.2	115.8	
167	20.9	10.9	16.3#	

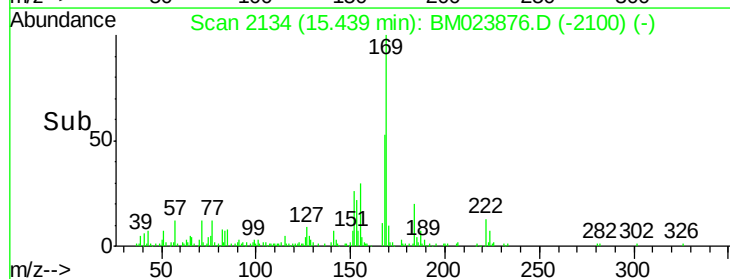
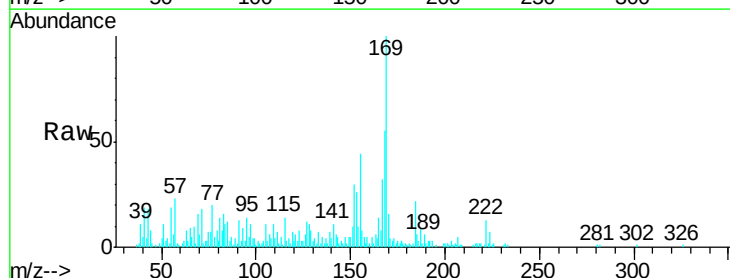
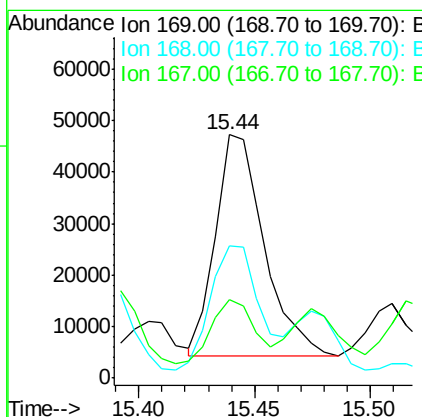
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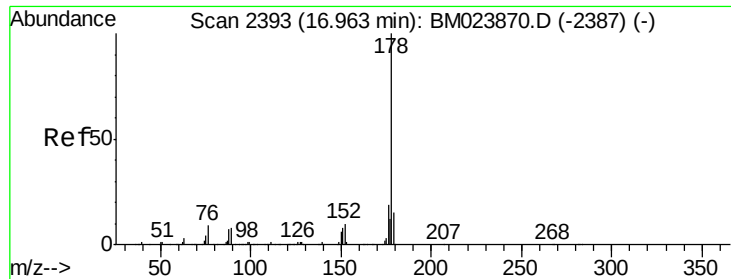
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#65
N-Nitrosodiphenylamine
 Concen: 1.043 ng/ul
 RT: 15.44 min Scan# 2134
 Delta R.T. 0.00 min
 Lab File: BM023876.D
 Acq: 23 Nov 2019 02:45

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	63357		
168	54.5	53.2	79.8	
167	32.3	28.0	42.0	





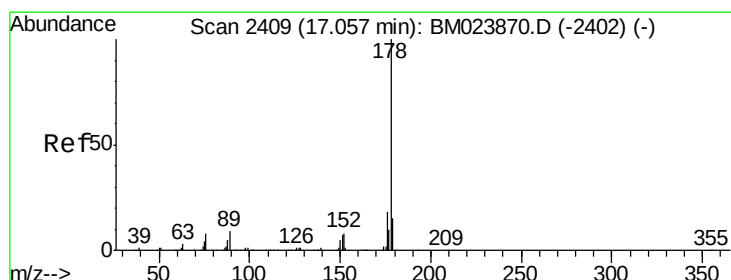
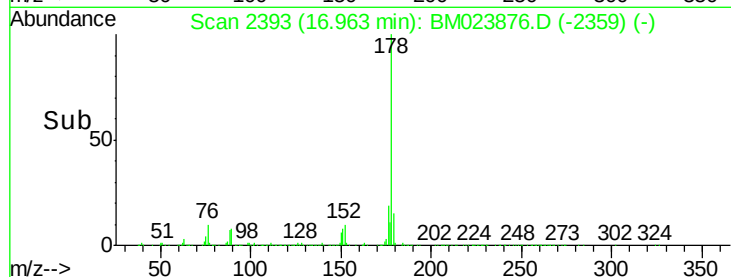
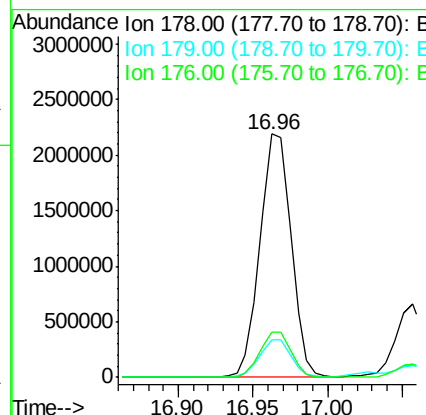
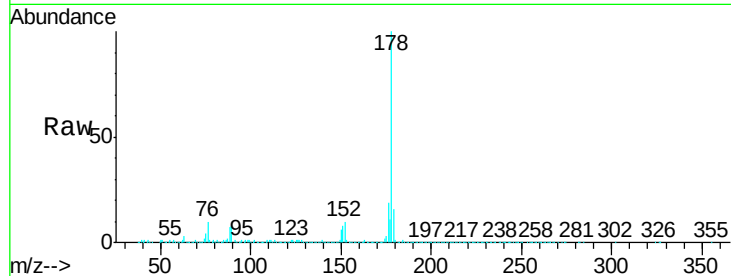
#70
Phenanthrene
Concen: 27.699 ng/ul
RT: 16.96 min Scan# 2393
Delta R.T. 0.00 min
Lab File: BM023876.D
Acq: 23 Nov 2019 02:45

Instrument :
BNA_M
ClientSampled :
C0AC4

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

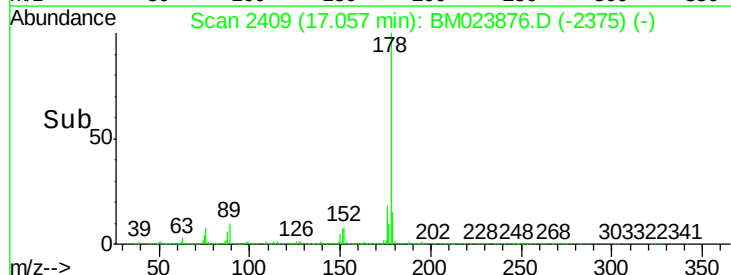
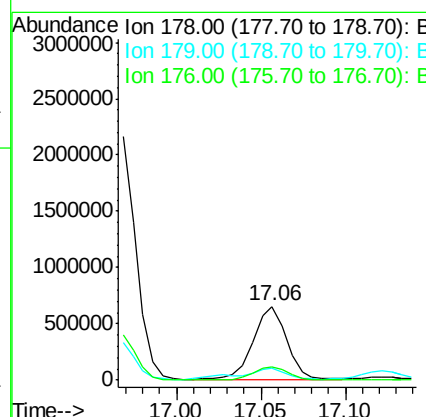
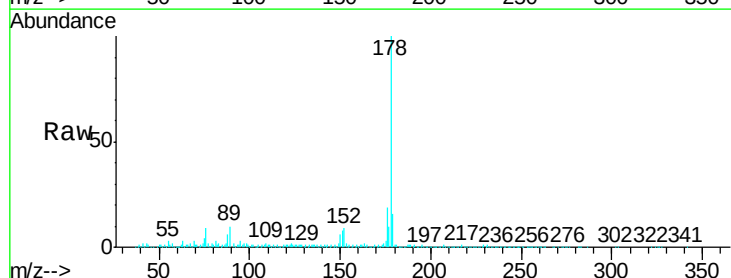
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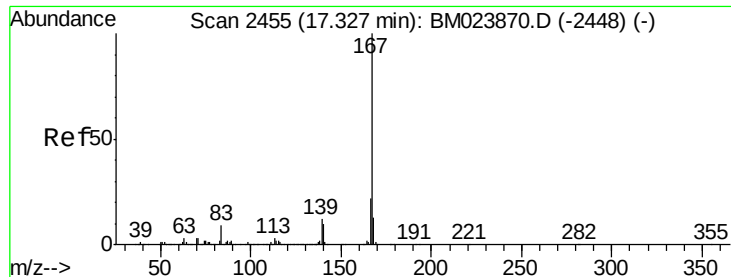
mohammad
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#72
Anthracene
Concen: 7.839 ng/ul
RT: 17.06 min Scan# 2409
Delta R.T. 0.00 min
Lab File: BM023876.D
Acq: 23 Nov 2019 02:45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	18.5	14.7	22.1





#75

Carbazole

Concen: 4.432 ng/ul

RT: 17.33 min Scan# 2456

Delta R.T. 0.01 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

Instrument :

BNA_M

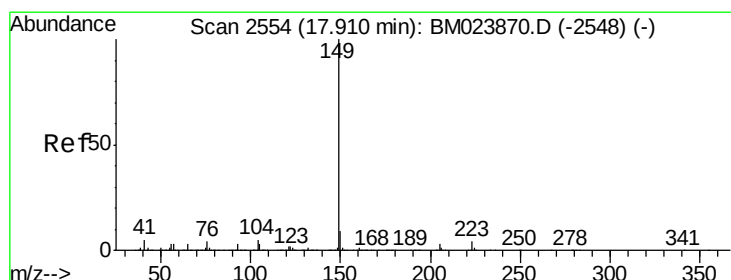
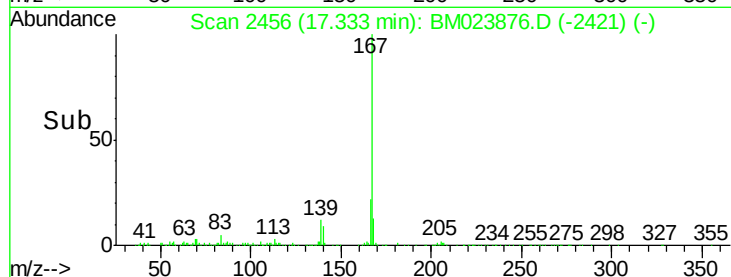
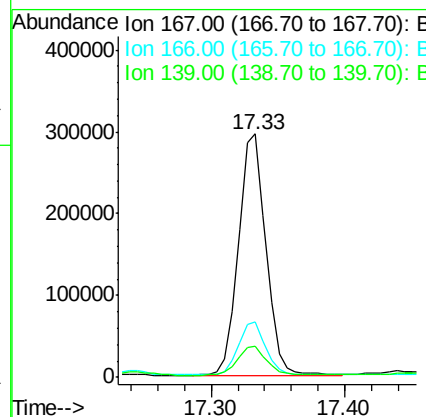
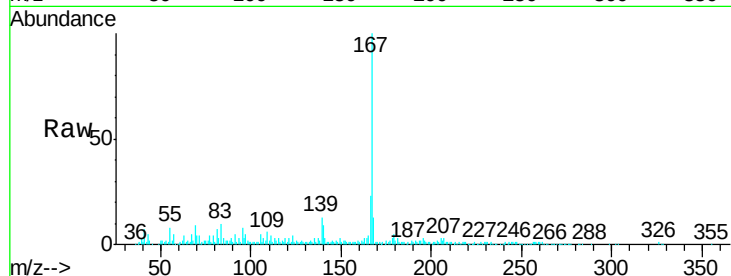
ClientSampleId :

C0AC4

Tgt Ion:	167	Resp:	423525
Ion Ratio	Lower	Upper	
167	100		
166	22.7	17.1	25.7
139	12.9	9.8	14.6

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#76

Di-n-butylphthalate

Concen: 7.975 ng/ul

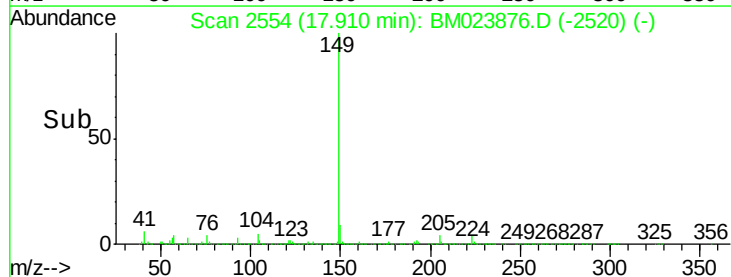
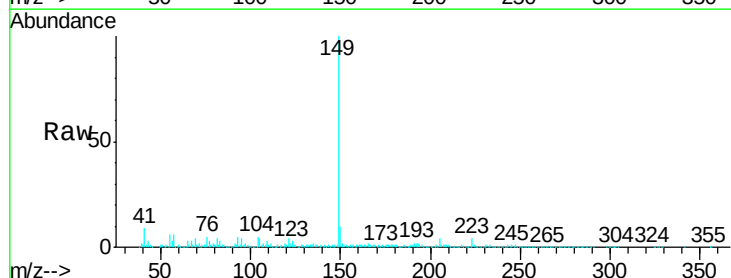
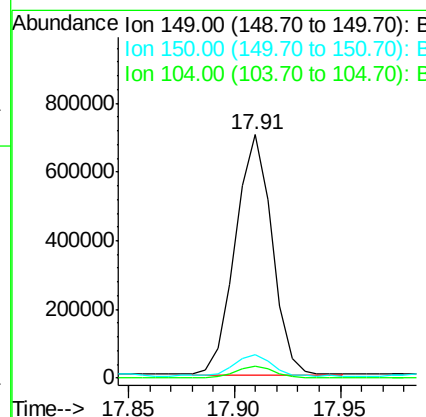
RT: 17.91 min Scan# 2554

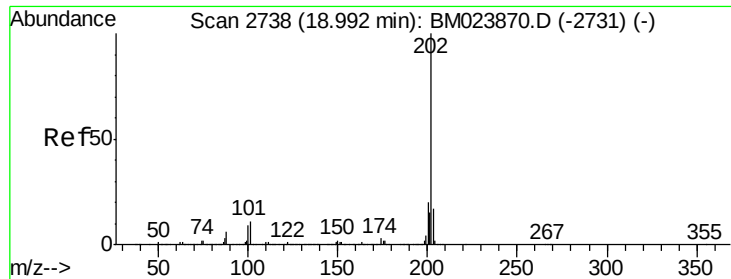
Delta R.T. 0.00 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

Tgt Ion:	149	Resp:	840398
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.1	10.7
104	4.9	4.2	6.2





#77

Fluoranthene

Concen: 35.755 ng/ul

RT: 18.99 min Scan# 2738

Delta R.T. 0.00 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

Instrument :

BNA_M

ClientSampleId :

C0AC4

Tgt Ion:202 Resp: 4367230

Ion Ratio Lower Upper

202 100

101 11.8 7.7 11.5#

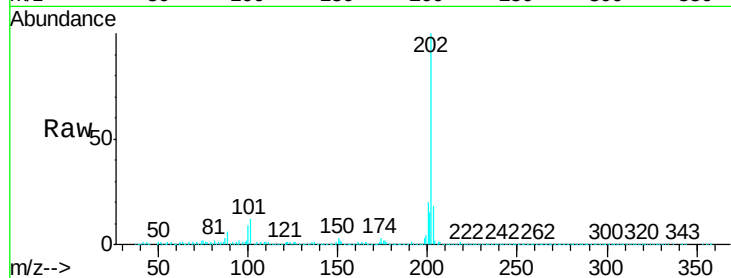
100 8.9 6.0 9.0

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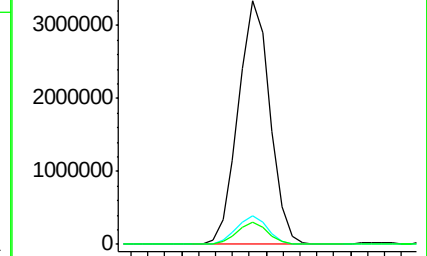
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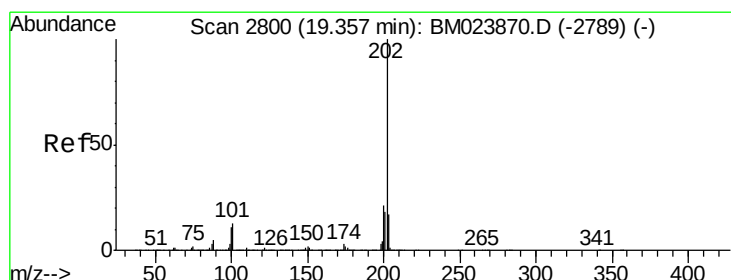
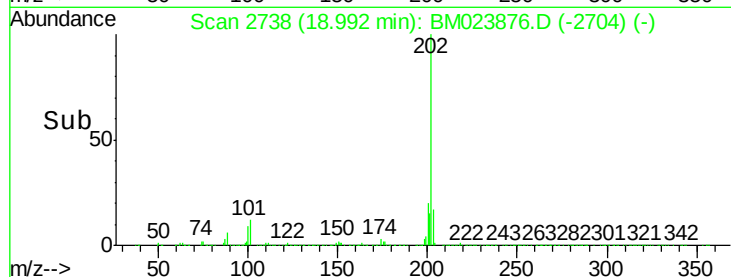
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Pyrene

Concen: 30.344 ng/ul

RT: 19.36 min Scan# 2800

Delta R.T. 0.00 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

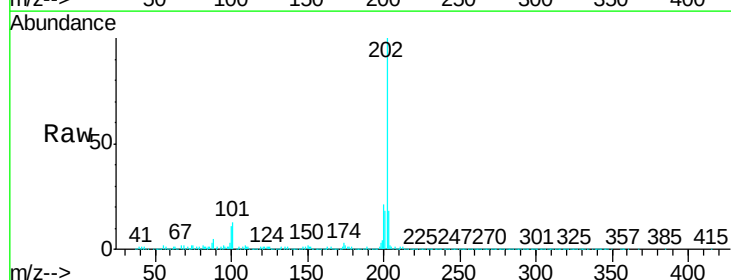
Tgt Ion:202 Resp: 3945446

Ion Ratio Lower Upper

202 100

101 13.2 9.8 14.6

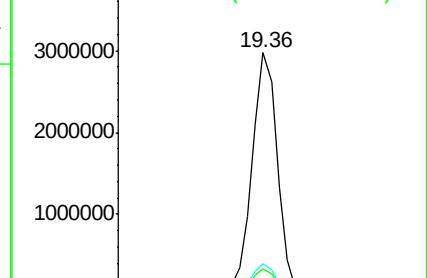
100 11.1 8.1 12.1



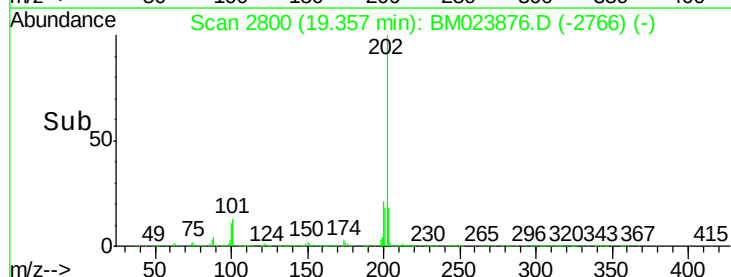
Abundance Ion 202.00 (201.70 to 202.70): E

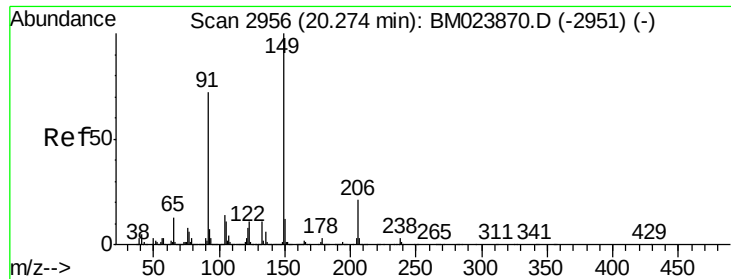
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





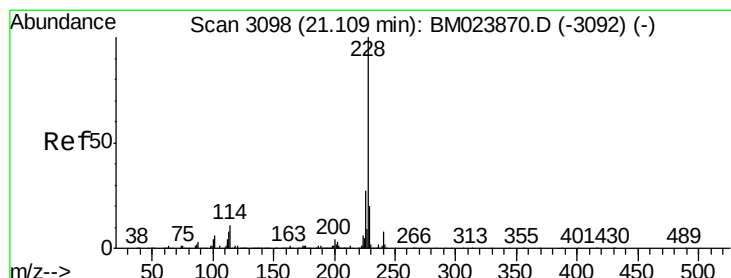
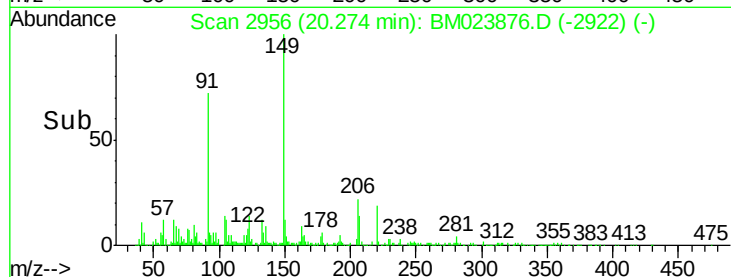
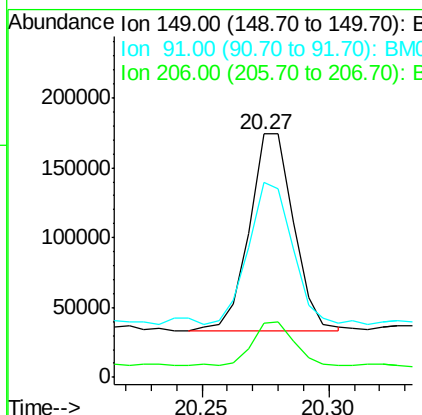
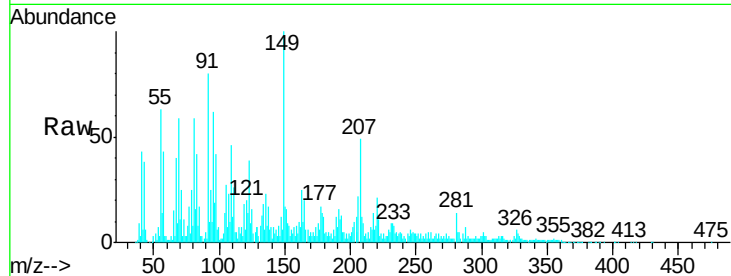
#81
Butylbenzylphthalate
Concen: 4.208 ng/ul
RT: 20.27 min Scan# 2956
Delta R.T. 0.00 min
Lab File: BM023876.D
Acq: 23 Nov 2019 02:45

Instrument :
BNA_M
ClientSampleId :
C0AC4

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	173303		
91	80.2	54.9	82.3	
206	22.1	19.3	28.9	

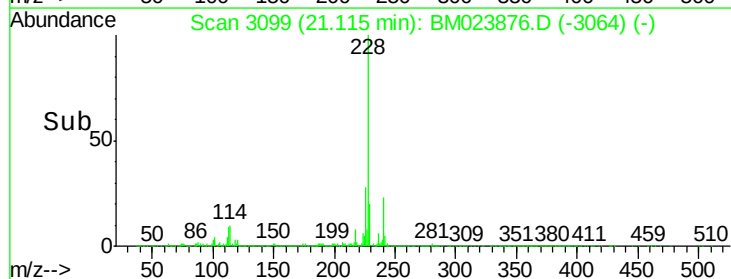
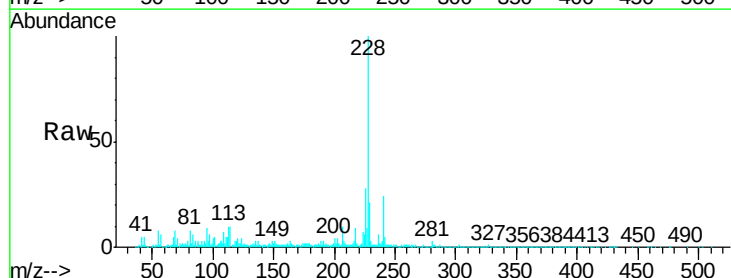
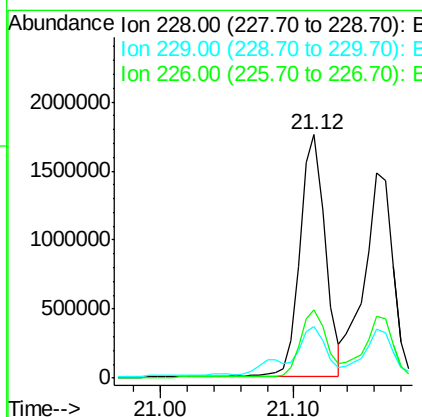
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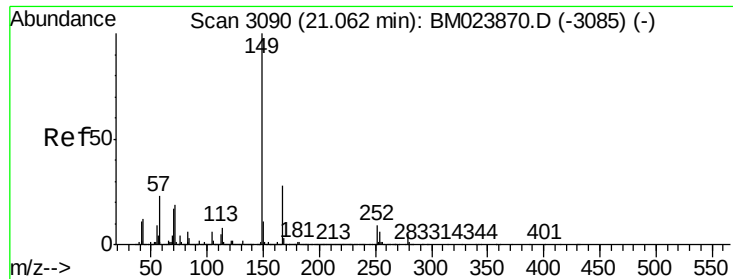
mohammad
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#83
Benzo(a)anthracene
Concen: 17.219 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. 0.01 min
Lab File: BM023876.D
Acq: 23 Nov 2019 02:45

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	2284660		
229	21.2	15.6	23.4	
226	28.2	21.4	32.2	





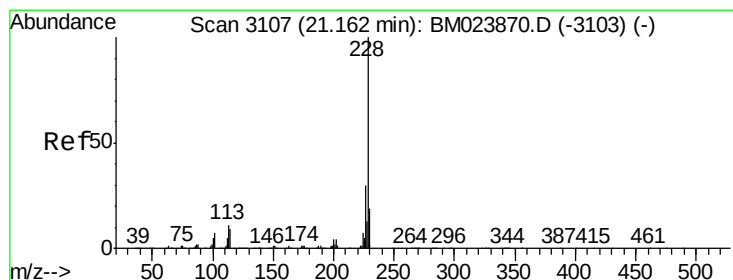
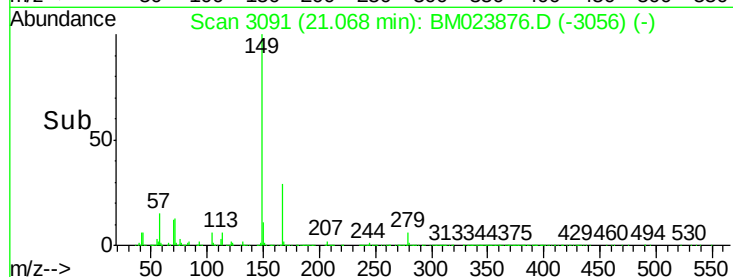
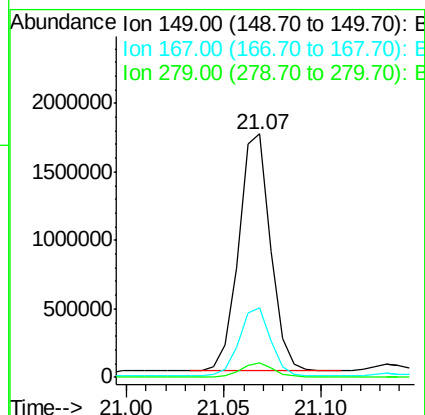
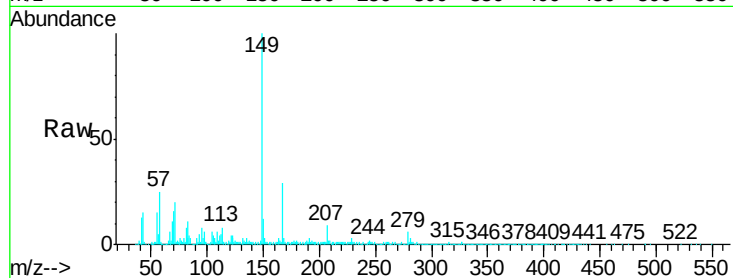
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 31.365 ng/ul
 RT: 21.07 min Scan# 3091
 Delta R.T. 0.01 min
 Lab File: BM023876.D
 Acq: 23 Nov 2019 02:45

Instrument :
 BNA_M
 ClientSampleId :
 C0AC4

Tgt Ion:149 Resp: 1950180
 Ion Ratio Lower Upper
 149 100
 167 28.7 23.4 35.2
 279 5.9 5.0 7.4

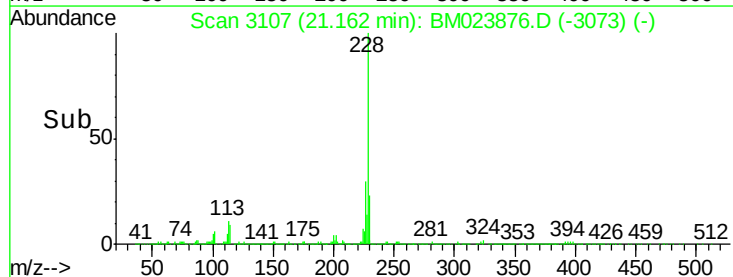
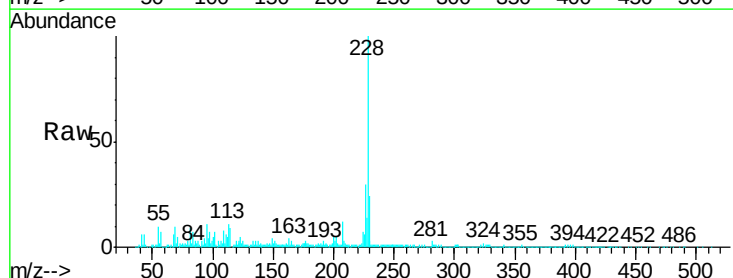
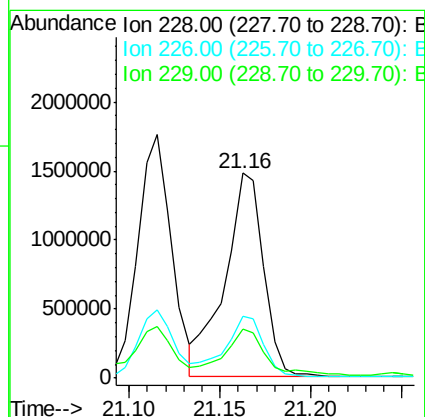
Manual Integrations
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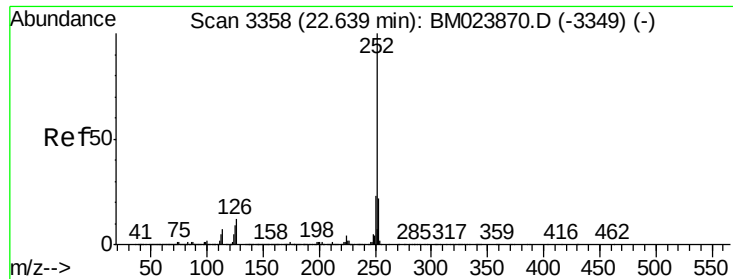
mohammad
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#85
 Chrysene
 Concen: 17.614 ng/ul m
 RT: 21.16 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: BM023876.D
 Acq: 23 Nov 2019 02:45

Tgt Ion:228 Resp: 2200227
 Ion Ratio Lower Upper
 228 100
 226 30.0 23.8 35.8
 229 23.7 15.8 23.6#





#88

Benzo(b)fluoranthene

Concen: 21.678 ng/ul

RT: 22.65 min Scan# 3360

Delta R.T. 0.01 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

Instrument :

BNA_M

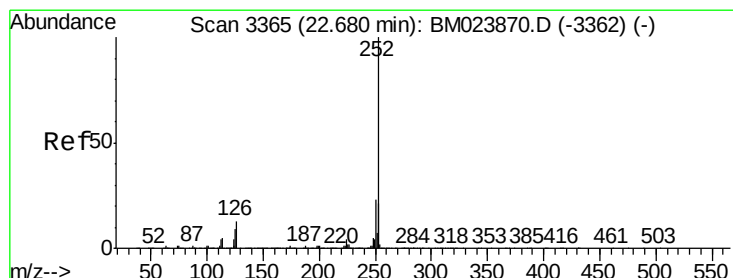
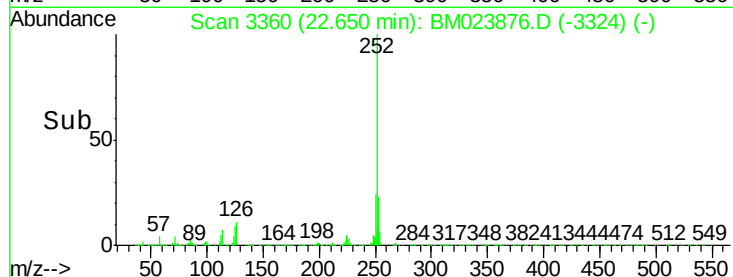
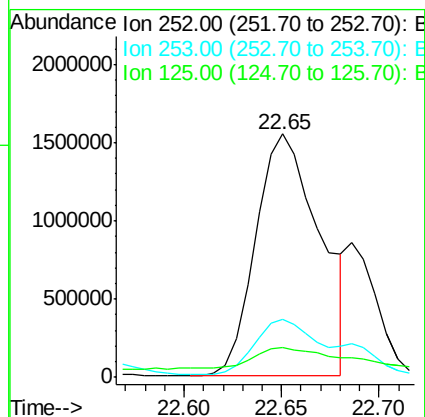
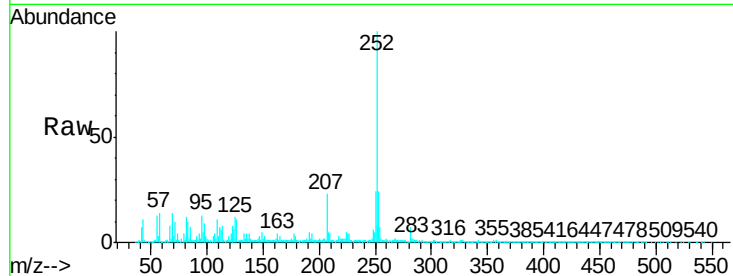
ClientSampleId :

C0AC4

Tgt Ion:	252	Resp:	3528452
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	12.3	6.5	9.7#

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#89

Benzo(k)fluoranthene

Concen: 5.805 ng/ul m

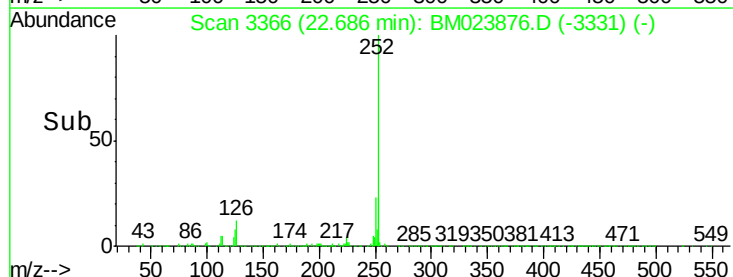
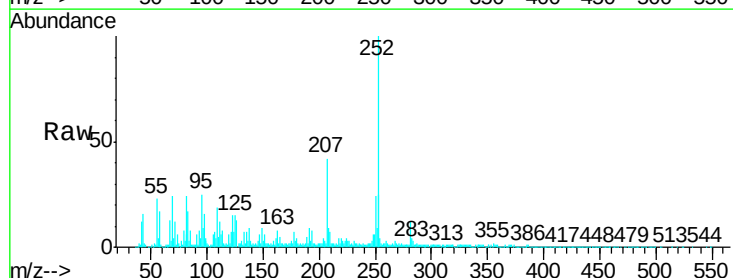
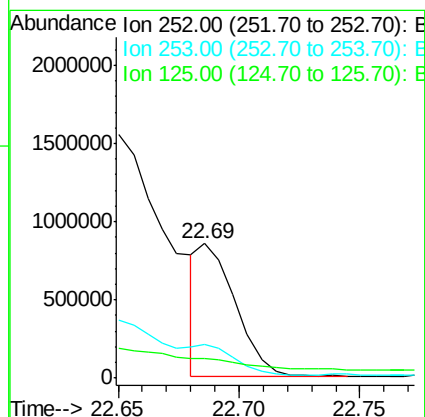
RT: 22.69 min Scan# 3366

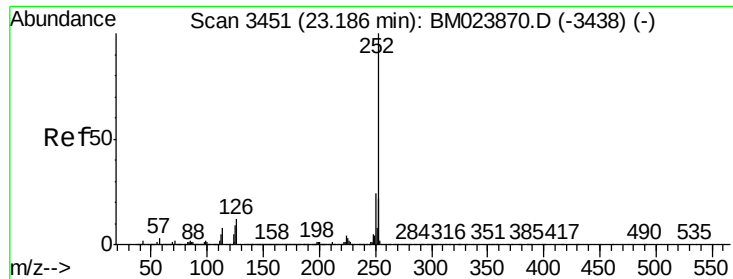
Delta R.T. 0.01 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

Tgt Ion:	252	Resp:	910355
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.2	25.8
125	14.7	5.9	8.9#





#91

Benzo(a)pyrene

Concen: 15.106 ng/ul

RT: 23.20 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

Instrument :

BNA_M

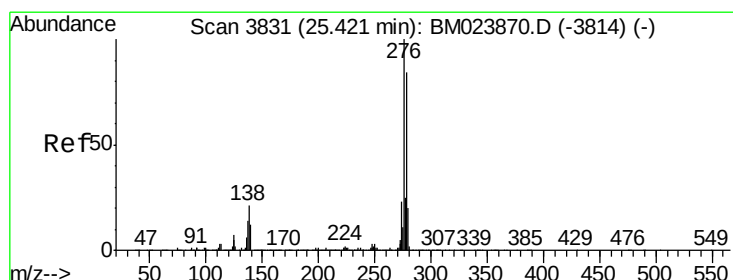
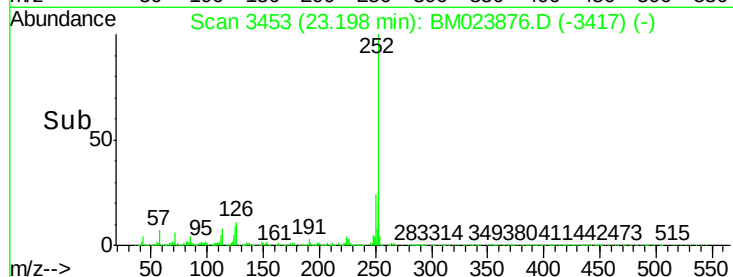
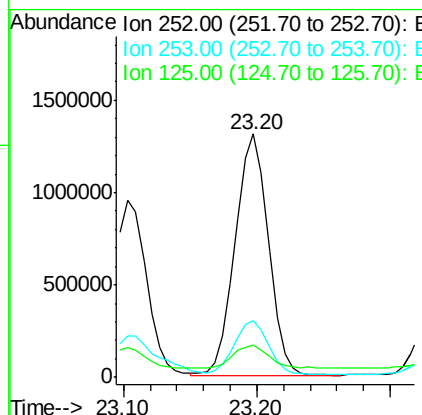
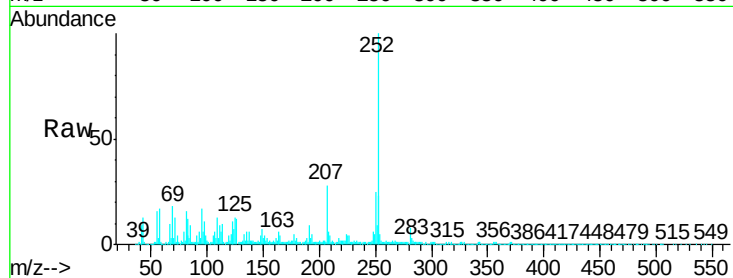
ClientSampleId :

C0AC4

Tgt Ion:	252	Resp:	2250866
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.3	25.9
125	13.2	6.9	10.3#

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#92

Indeno(1,2,3-cd)pyrene

Concen: 10.214 ng/ul

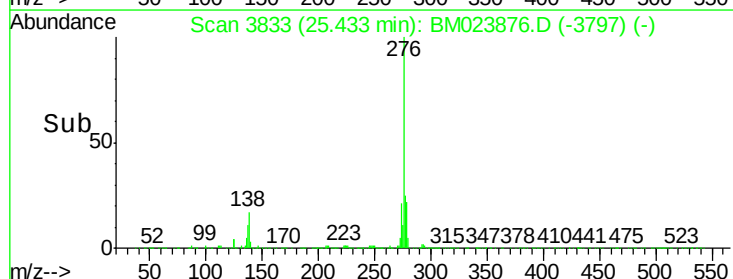
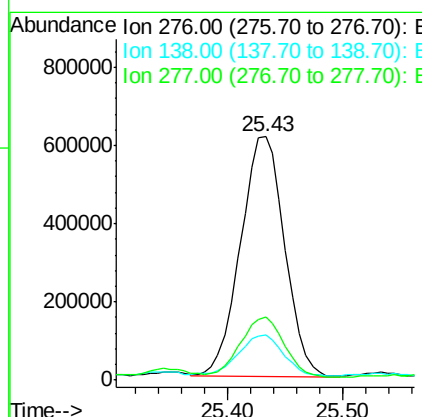
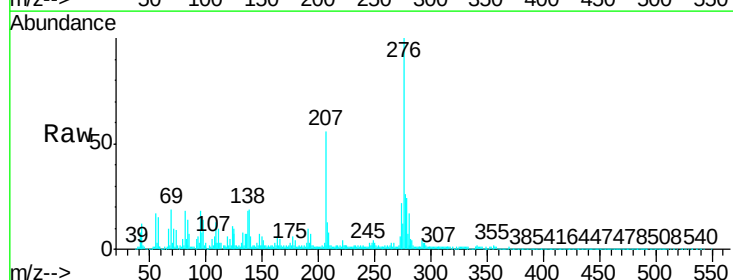
RT: 25.43 min Scan# 3833

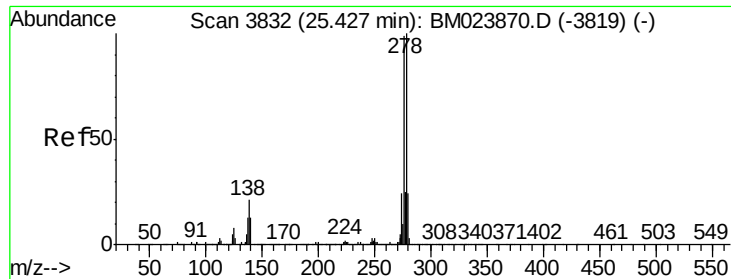
Delta R.T. 0.01 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

Tgt Ion:	276	Resp:	1627358
Ion Ratio	Lower	Upper	
276	100		
138	18.6	15.0	22.4
277	25.8	20.0	30.0





#93

Dibenzo(a,h)anthracene

Concen: 3.163 ng/ul

RT: 25.43 min Scan# 3833

Delta R.T. 0.01 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

Instrument :

BNA_M

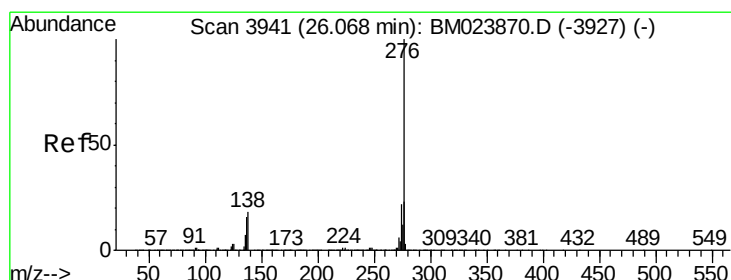
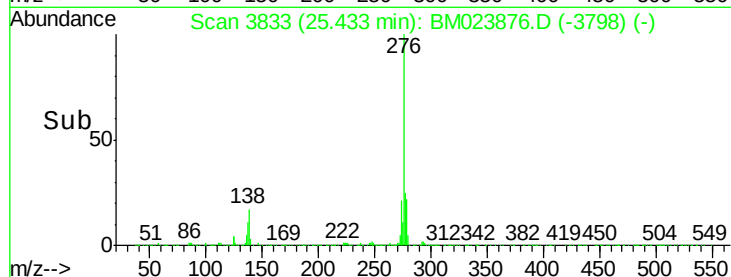
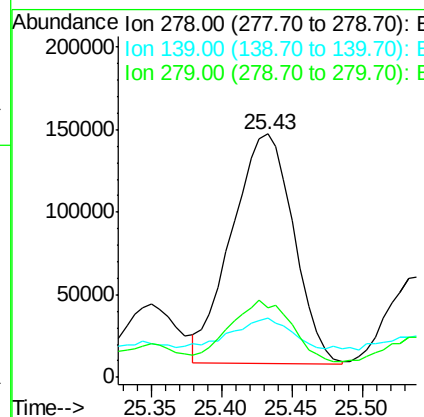
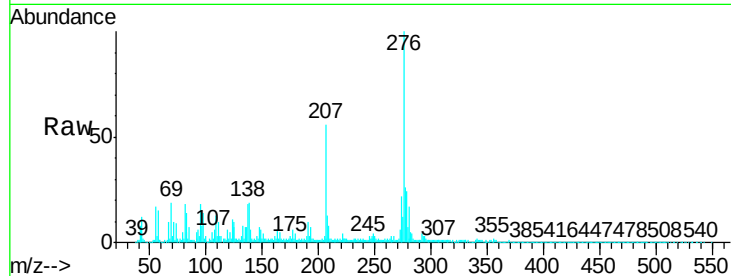
ClientSampleId :

C0AC4

Tgt Ion:	278	Resp:	425299
Ion Ratio	Lower	Upper	
278	100		
139	24.3	10.0	15.0#
279	28.8	19.0	28.6#

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#94

Benzo(g,h,i)perylene

Concen: 12.355 ng/ul

RT: 26.09 min Scan# 3944

Delta R.T. 0.02 min

Lab File: BM023876.D

Acq: 23 Nov 2019 02:45

Tgt Ion:	276	Resp:	1595131
Ion Ratio	Lower	Upper	
276	100		
138	17.7	13.2	19.8
277	24.2	18.6	28.0

