

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
 Data File : BM023877.D
 Acq On : 23 Nov 2019 03:21
 Operator : JU
 Sample : K5854-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD0

Manual Integrations
 APPROVED

mohammad
 11/25/2019 8:21:02 AM

Quant Time: Nov 23 06:00:58 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	388474	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	1554596	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	950832	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.92	188	1950406	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	1903653	20.00	ng/ul	0.00
86) Perylene-d12	23.29	264	2387972	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	28897	3.07	ng/uL	0.00
5) Phenol-d5	6.70	99	576966	16.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	344584	16.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	477463	18.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	382709	13.55	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	230942	20.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	264386	22.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	463367	17.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	429736	14.67	ng/ul	0.00
44) Dimethylphthalate-d6	13.59	166	1467511	19.79	ng/ul	0.00
47) Acenaphthylene-d8	13.86	160	1800917	21.28	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	121248	9.58	ng/ul	0.02
58) Fluorene-d10	15.17	176	1328749	20.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	50511	4.48	ng/ul	0.00
71) Anthracene-d10	17.02	188	2013993	21.77	ng/ul	0.00
79) Pyrene-d10	19.33	212	2197596	22.14	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.15	264	2766161	22.01	ng/ul	0.00

Target Compounds

					Qvalue
4) Benzaldehyde	6.66	77	71917	3.462	ng/ul# 49
6) Phenol	6.73	94	155993	4.276	ng/ul 96
14) Acetophenone	8.33	105	88335	2.005	ng/ul 97
28) Naphthalene	10.33	128	141261	1.729	ng/ul 99
34) 2-Methylnaphthalene	11.96	142	129929	2.079	ng/ul 97
45) Dimethylphthalate	13.63	163	3897504	53.637	ng/ul 99
70) Phenanthrene	16.96	178	1014201	9.440	ng/ul 100
72) Anthracene	17.06	178	227946	2.110	ng/ul 98
75) Carbazole	17.33	167	115840	1.286	ng/ul 94
76) Di-n-butylphthalate	17.91	149	125162	1.260	ng/ul# 92
77) Fluoranthene	18.99	202	1600641	13.907	ng/ul 96
80) Pyrene	19.36	202	1485756	12.075	ng/ul 98
81) Butylbenzylphthalate	20.27	149	156745	4.022	ng/ul 89
83) Benzo(a)anthracene	21.11	228	725419	5.777	ng/ul 96
84) Bis(2-ethylhexyl)phthalate	21.06	149	2502329	42.526	ng/ul 98
85) Chrysene	21.16	228	766548m	6.484	ng/ul
87) Di-n-octyl phthalate	21.93	149	147575	1.264	ng/ul 100
88) Benzo(b)fluoranthene	22.64	252	1157706	7.605	ng/ul# 88
89) Benzo(k)fluoranthene	22.69	252	332998m	2.271	ng/ul
91) Benzo(a)pyrene	23.19	252	745470	5.349	ng/ul# 86
92) Indeno(1,2,3-cd)pyrene	25.43	276	532760	3.575	ng/ul 98
93) Dibenzo(a,h)anthracene	25.42	278	150880	1.200	ng/ul# 61
94) Benzo(g,h,i)perylene	26.07	276	534921	4.430	ng/ul# 94

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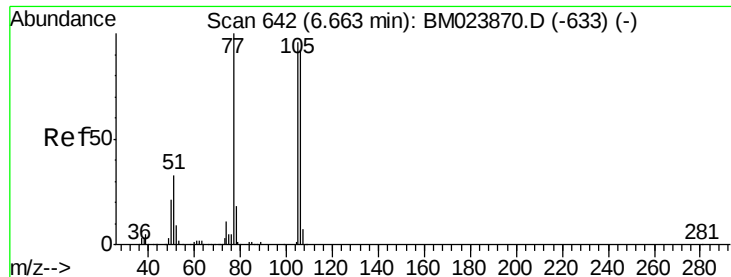
Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 23 05:21:37 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#4

Benzaldehyde

Concen: 3.462 ng/ul

RT: 6.66 min Scan# 642

Delta R.T. 0.00 min

Lab File: BM023877.D

Acq: 23 Nov 2019 03:21

Instrument :

BNA_M

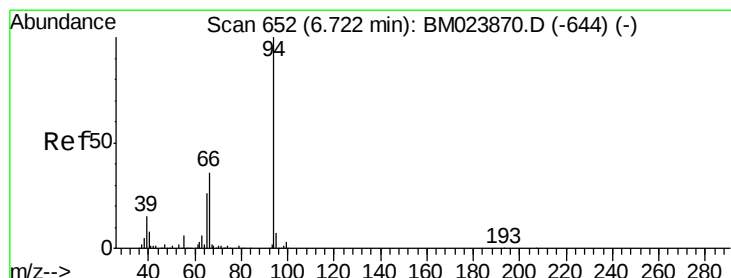
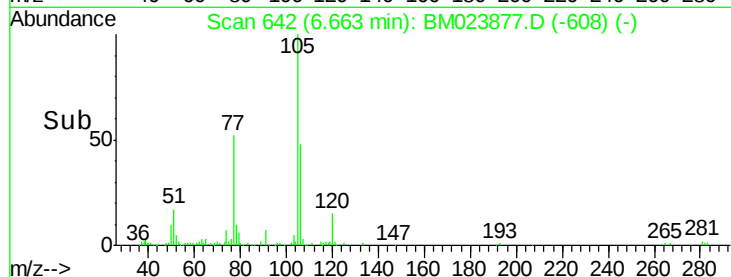
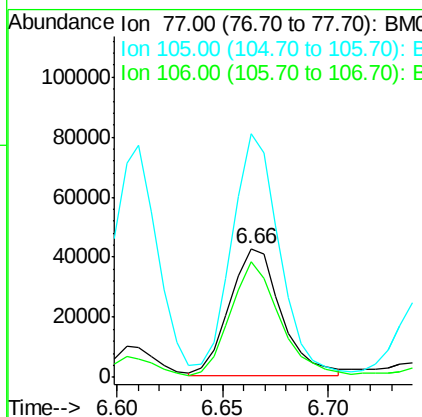
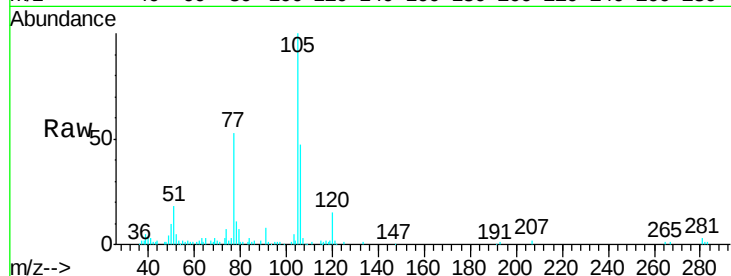
ClientSampled :

C0AD0

Tgt Ion: 77 Resp: 71917
 Ion Ratio Lower Upper
 77 100
 105 188.9 75.9 113.9#
 106 89.7 70.2 105.4

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#6

Phenol

Concen: 4.276 ng/ul

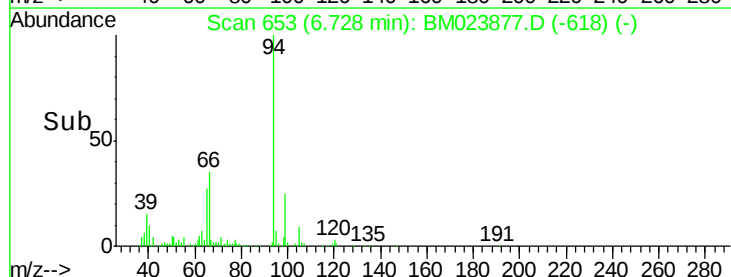
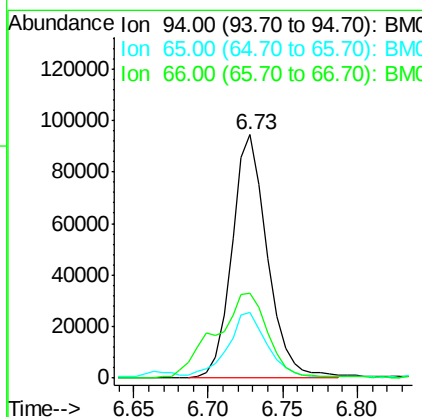
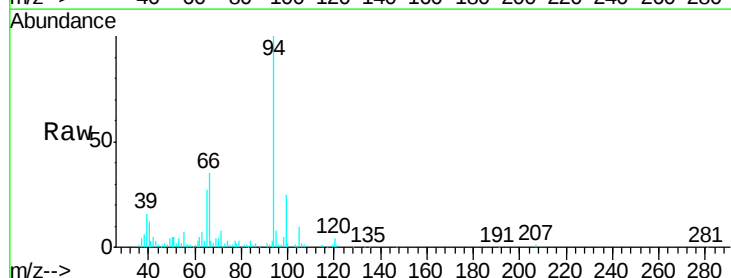
RT: 6.73 min Scan# 653

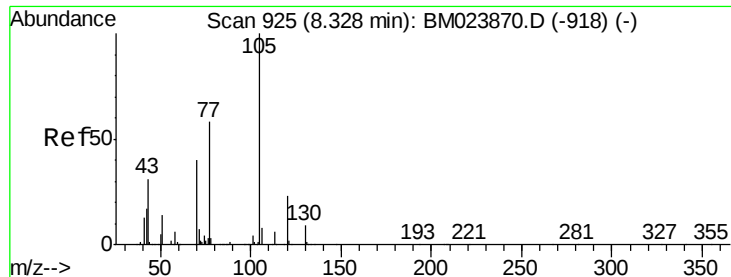
Delta R.T. 0.01 min

Lab File: BM023877.D

Acq: 23 Nov 2019 03:21

Tgt Ion: 94 Resp: 155993
 Ion Ratio Lower Upper
 94 100
 65 27.2 21.4 32.2
 66 35.0 30.7 46.1





#14

Acetophenone

Concen: 2.005 ng/ul

RT: 8.33 min Scan# 926

Delta R.T. 0.01 min

Lab File: BM023877.D

Acq: 23 Nov 2019 03:21

Instrument :

BNA_M

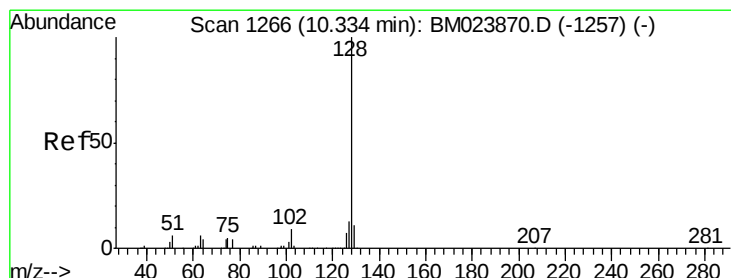
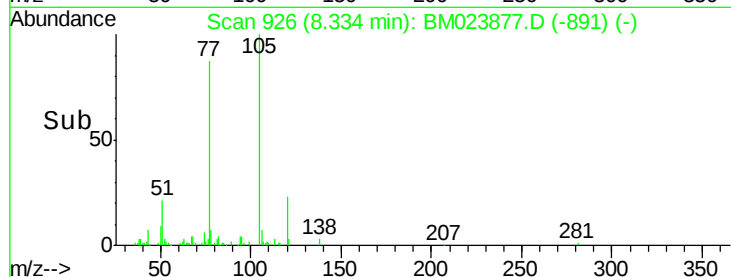
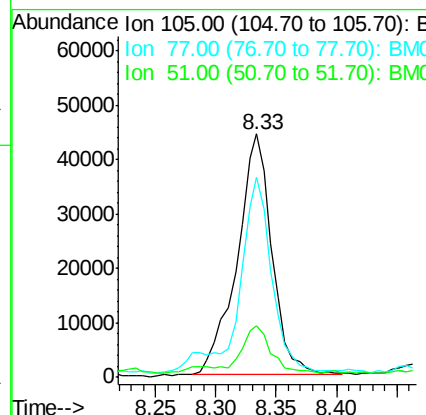
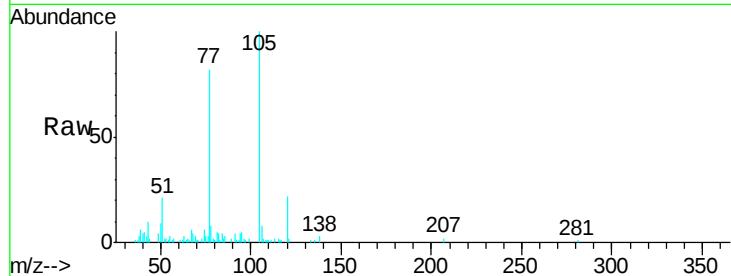
ClientSampleId :

C0AD0

Tgt Ion:	105	Resp:	88335
Ion Ratio	Lower	Upper	
105	100		
77	82.3	63.8	95.6
51	21.4	16.3	24.5

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#28

Naphthalene

Concen: 1.729 ng/ul

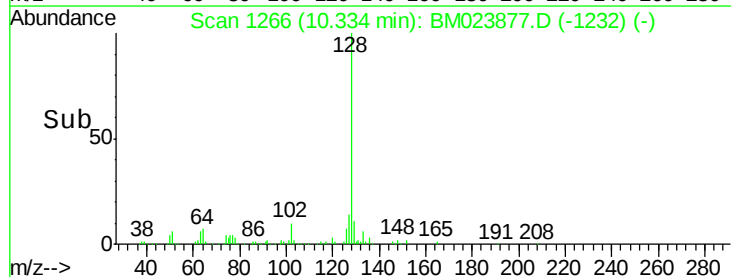
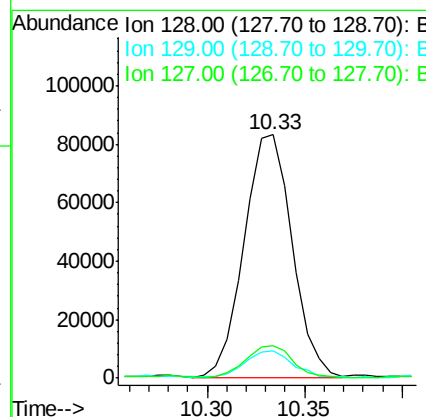
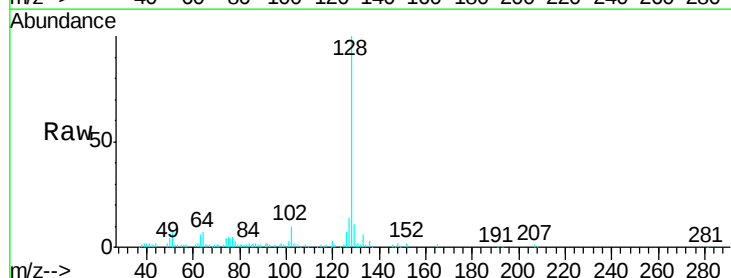
RT: 10.33 min Scan# 1266

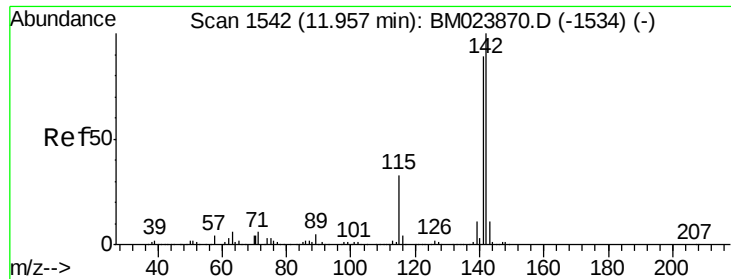
Delta R.T. 0.00 min

Lab File: BM023877.D

Acq: 23 Nov 2019 03:21

Tgt Ion:	128	Resp:	141261
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.7	13.1
127	13.5	10.6	16.0





#34

2-Methylnaphthalene

Concen: 2.079 ng/ul

RT: 11.96 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BM023877.D

Acq: 23 Nov 2019 03:21

Instrument :

BNA_M

ClientSampleId :

C0AD0

Tgt Ion:142 Resp: 129929

Ion Ratio Lower Upper

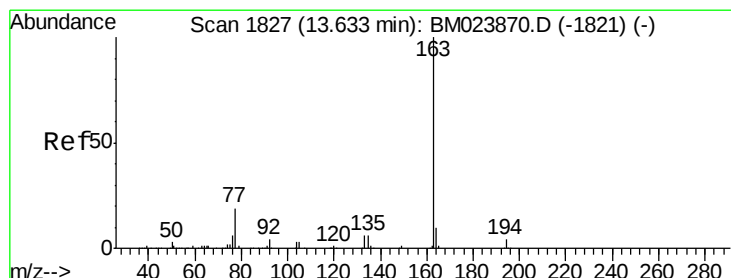
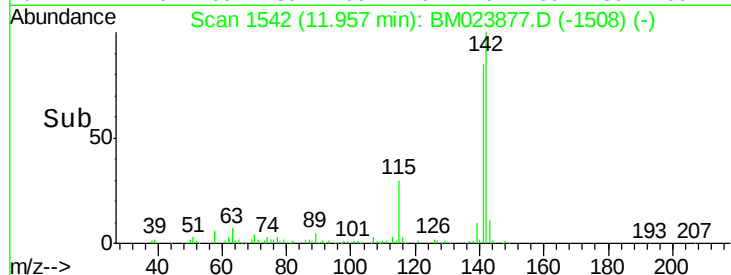
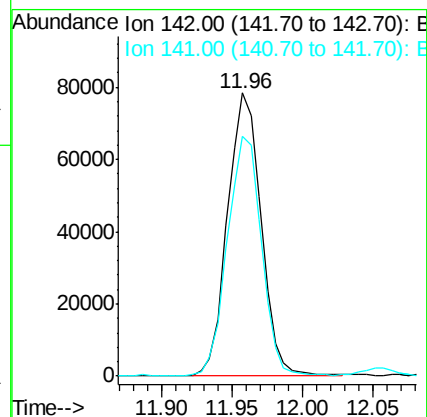
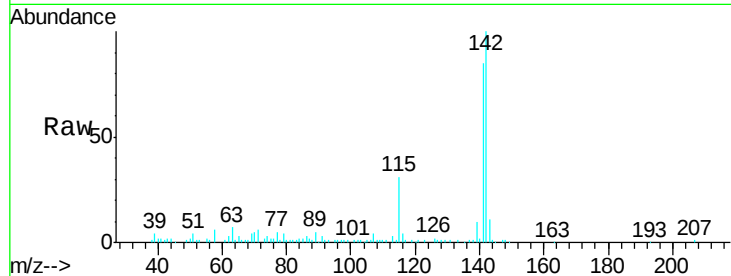
142 100

141 85.0 69.8 104.8

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#45

Dimethylphthalate

Concen: 53.637 ng/ul

RT: 13.63 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BM023877.D

Acq: 23 Nov 2019 03:21

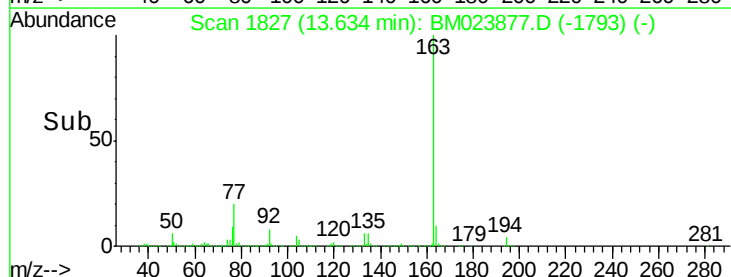
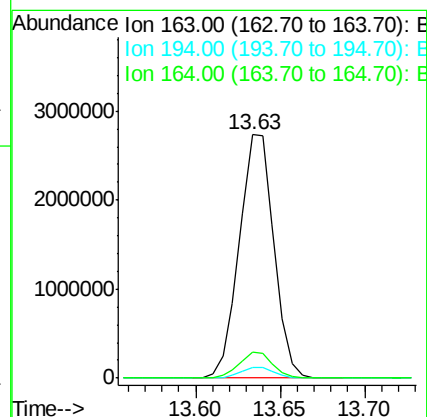
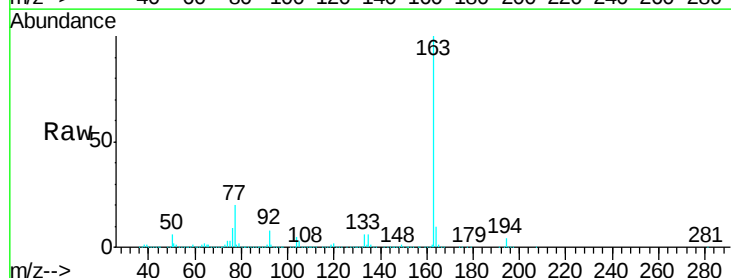
Tgt Ion:163 Resp: 3897504

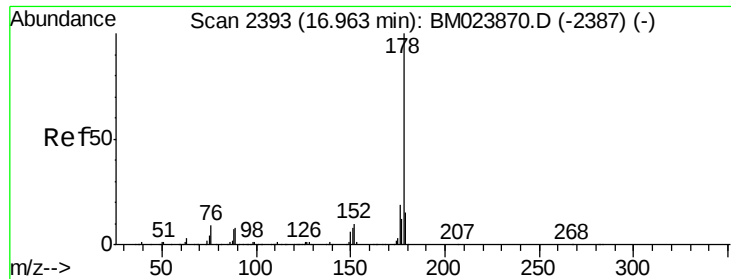
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.5 8.0 12.0





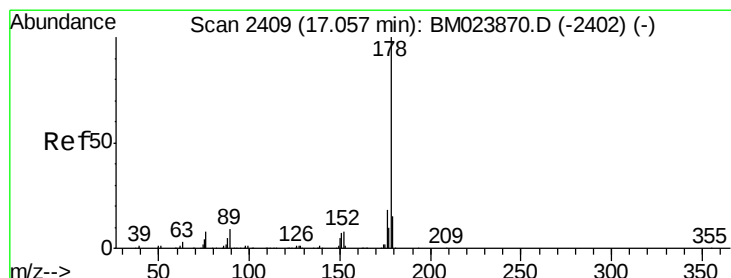
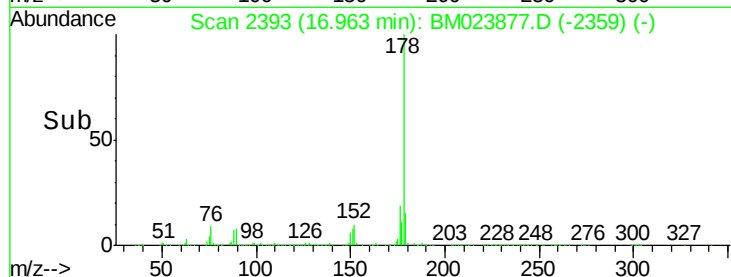
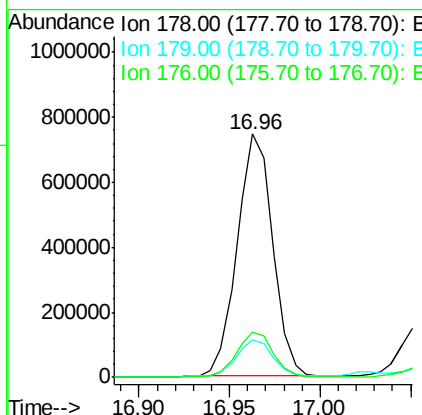
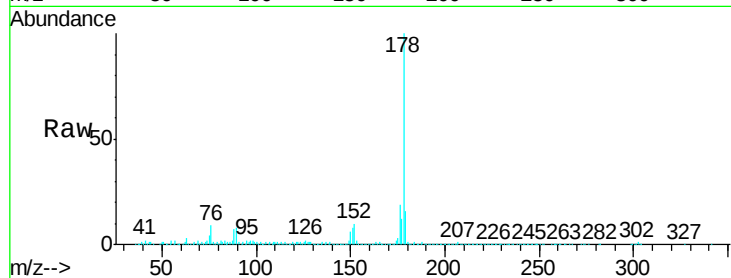
#70
Phenanthrene
Concen: 9.440 ng/ul
RT: 16.96 min Scan# 2393
Delta R.T. 0.00 min
Lab File: BM023877.D
Acq: 23 Nov 2019 03:21

Instrument :
BNA_M
ClientSampleId :
C0AD0

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.7	15.0	22.6

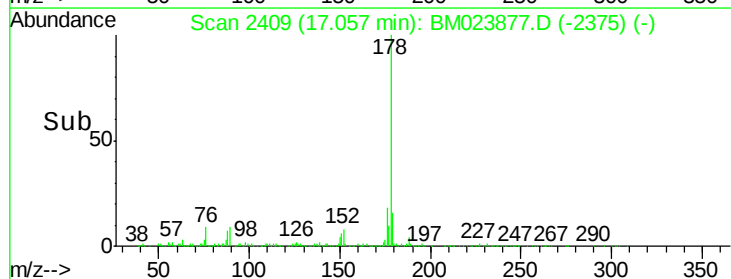
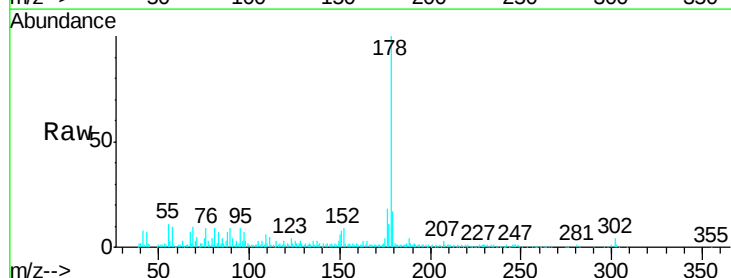
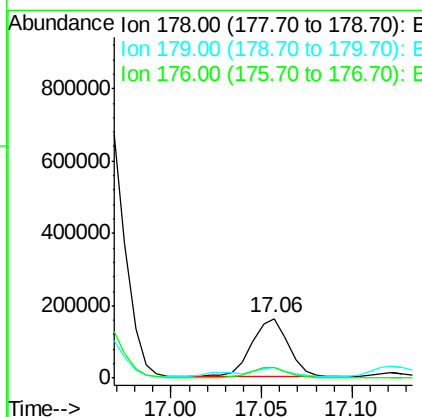
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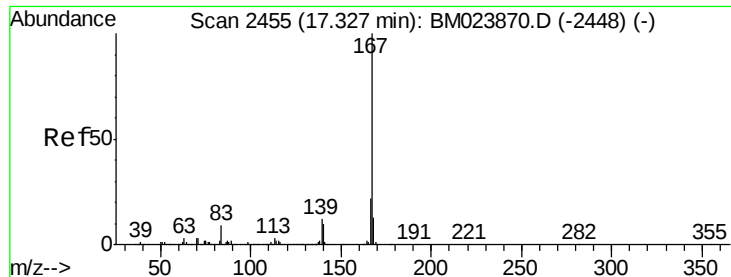
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#72
Anthracene
Concen: 2.110 ng/ul
RT: 17.06 min Scan# 2409
Delta R.T. 0.00 min
Lab File: BM023877.D
Acq: 23 Nov 2019 03:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.9	12.3	18.5
176	18.5	14.7	22.1





#75

Carbazole

Concen: 1.286 ng/ul

RT: 17.33 min Scan# 2455

Delta R.T. 0.00 min

Lab File: BM023877.D

Acq: 23 Nov 2019 03:21

Instrument :

BNA_M

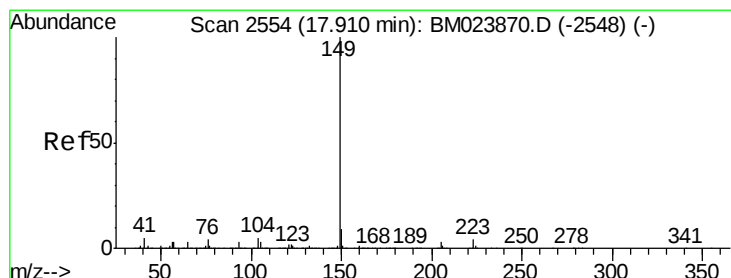
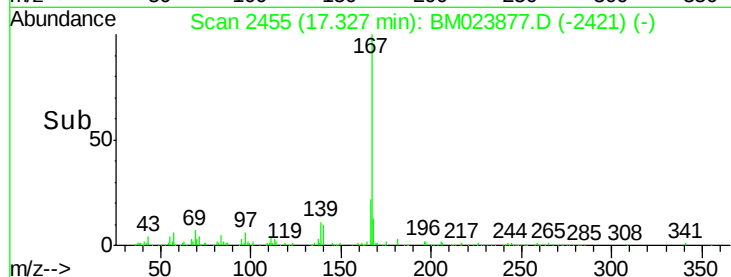
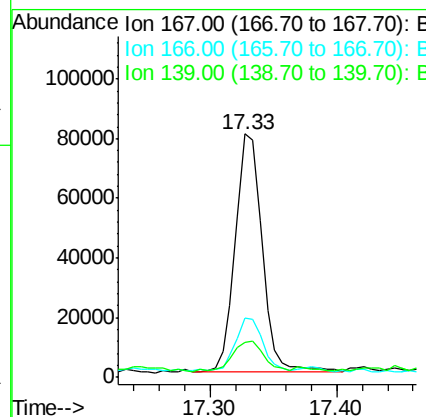
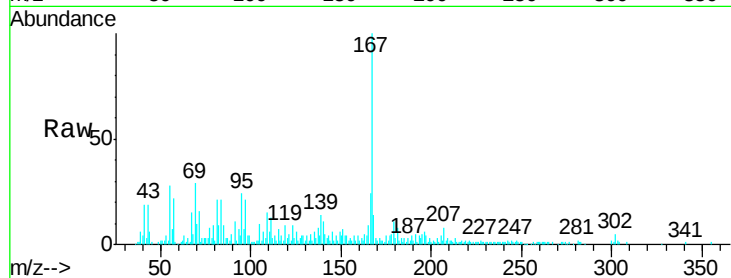
ClientSampleId :

C0AD0

Tgt Ion:	167	Resp:	115840
Ion Ratio	Lower	Upper	
167	100		
166	24.3	17.1	25.7
139	14.2	9.8	14.6

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#76

Di-n-butylphthalate

Concen: 1.260 ng/ul

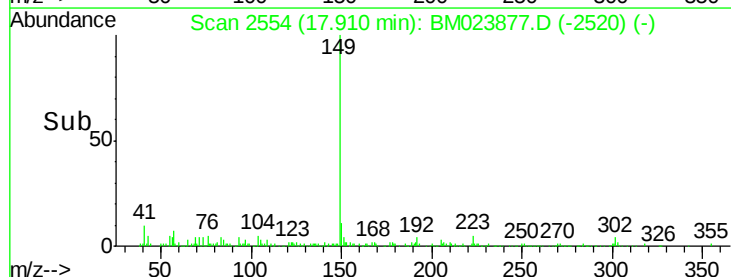
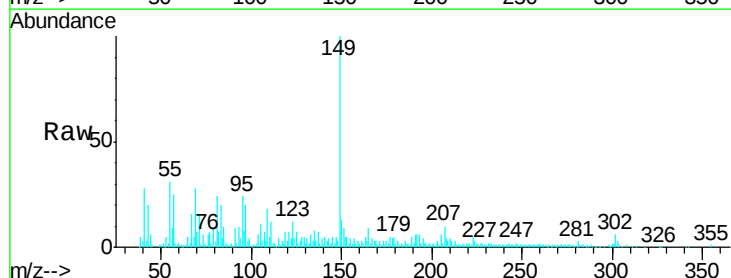
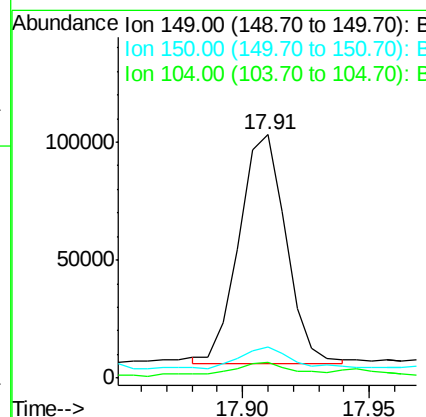
RT: 17.91 min Scan# 2554

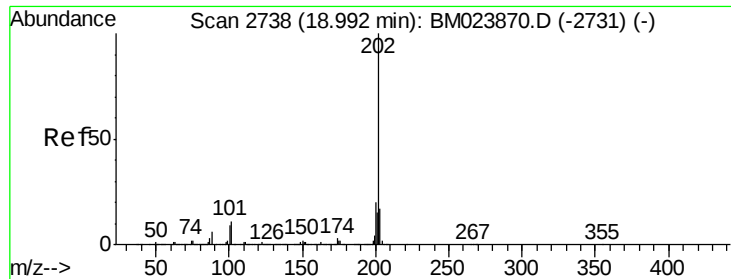
Delta R.T. 0.00 min

Lab File: BM023877.D

Acq: 23 Nov 2019 03:21

Tgt Ion:	149	Resp:	125162
Ion Ratio	Lower	Upper	
149	100		
150	12.7	7.1	10.7#
104	6.4	4.2	6.2#





#77

Fluoranthene

Concen: 13.907 ng/ul

RT: 18.99 min Scan# 2738

Delta R.T. 0.00 min

Lab File: BM023877.D

Acq: 23 Nov 2019 03:21

Instrument :

BNA_M

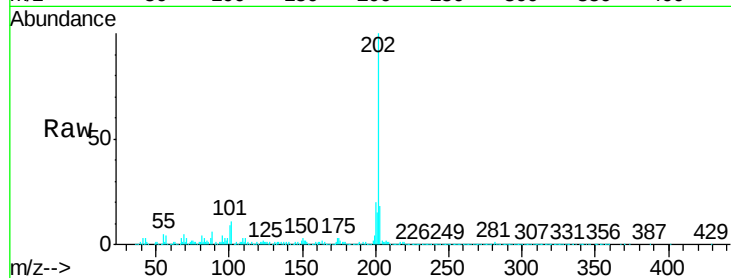
ClientSampleId :

C0AD0

Tgt Ion:	202	Resp:	1600641
Ion	Ratio	Lower	Upper
202	100		
101	11.2	7.7	11.5
100	8.8	6.0	9.0

Manual Integrations
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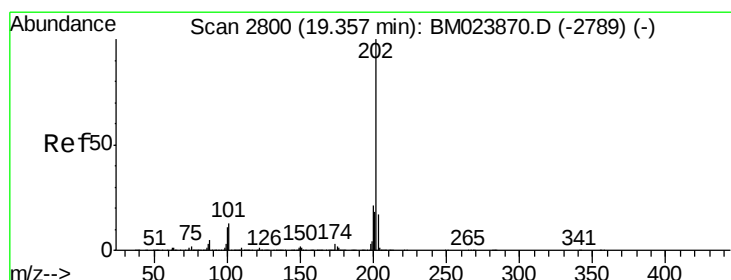
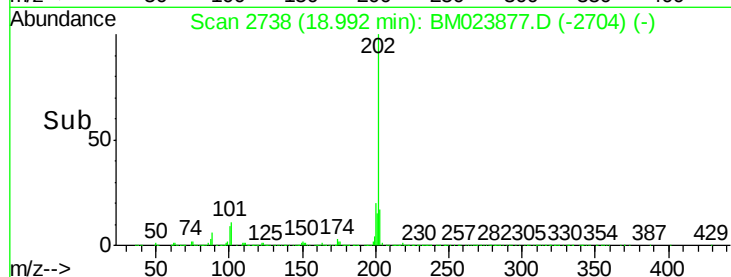
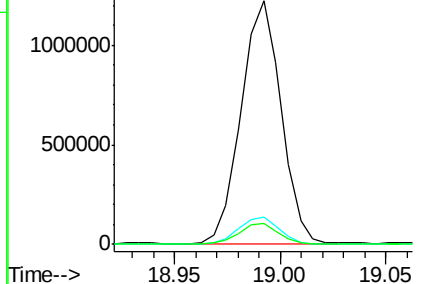
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 12.075 ng/ul

RT: 19.36 min Scan# 2800

Delta R.T. 0.00 min

Lab File: BM023877.D

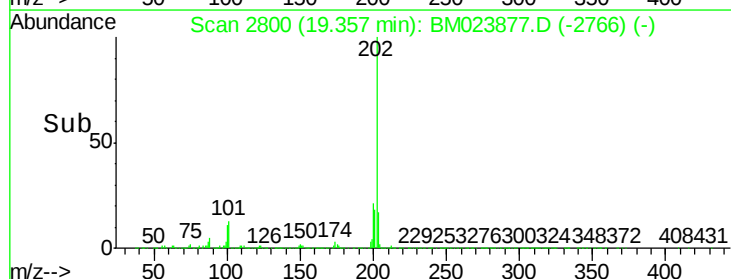
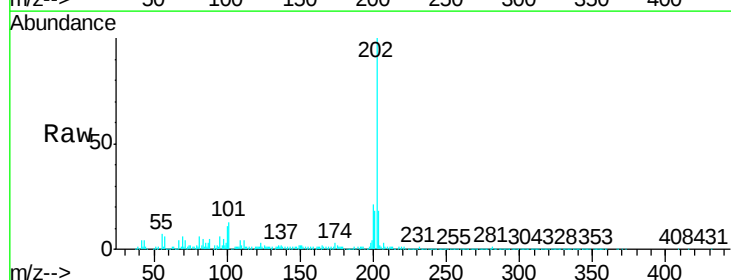
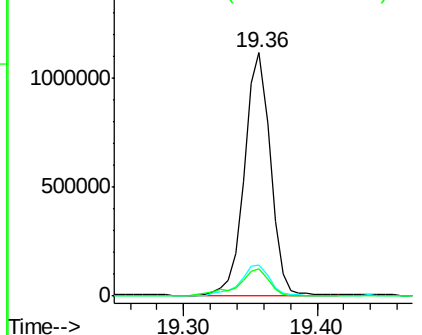
Acq: 23 Nov 2019 03:21

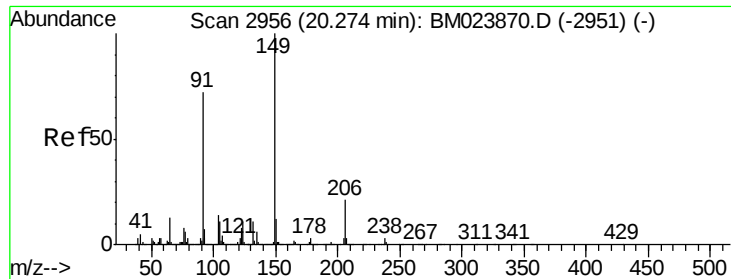
Tgt Ion:	202	Resp:	1485756
Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.8	14.6
100	11.0	8.1	12.1

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





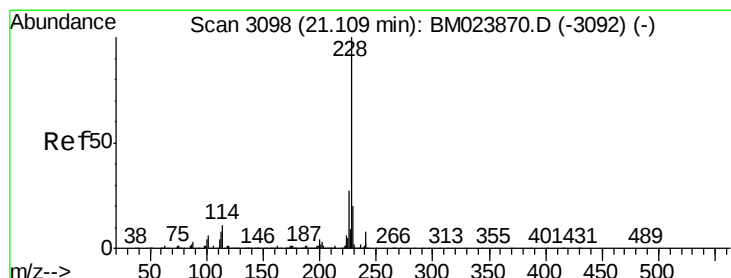
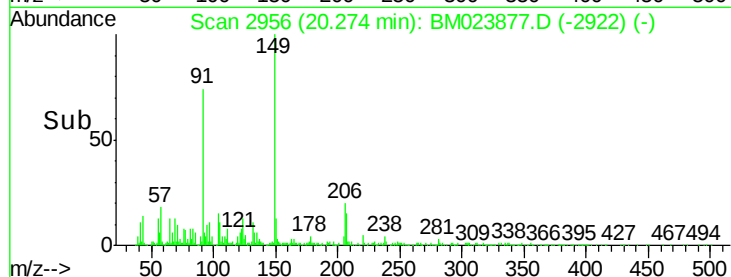
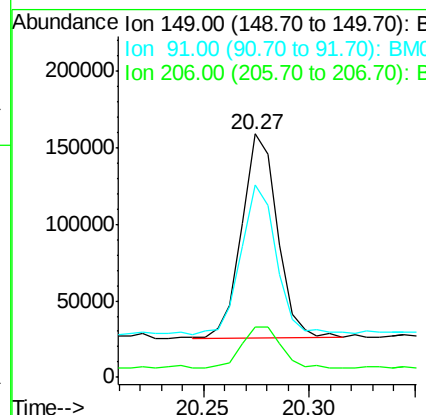
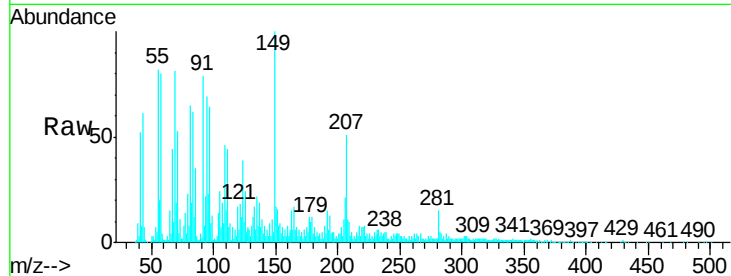
#81
Butylbenzylphthalate
Concen: 4.022 ng/u1
RT: 20.27 min Scan# 2956
Delta R.T. 0.00 min
Lab File: BM023877.D
Acq: 23 Nov 2019 03:21

Instrument :
BNA_M
ClientSampleId :
C0AD0

Tgt Ion	Ratio	Lower	Upper
149	100		
91	79.0	54.9	82.3
206	20.8	19.3	28.9

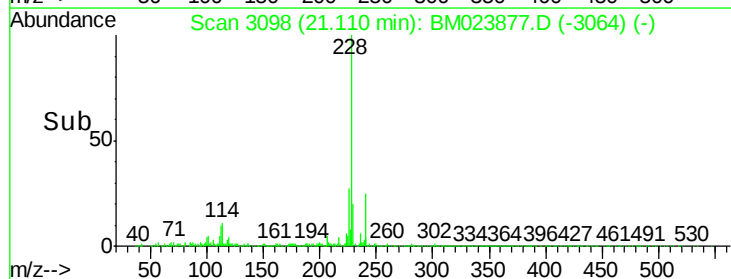
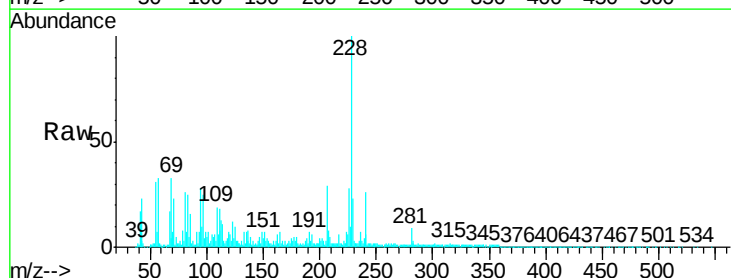
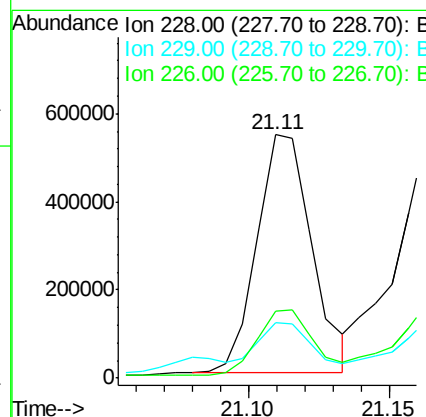
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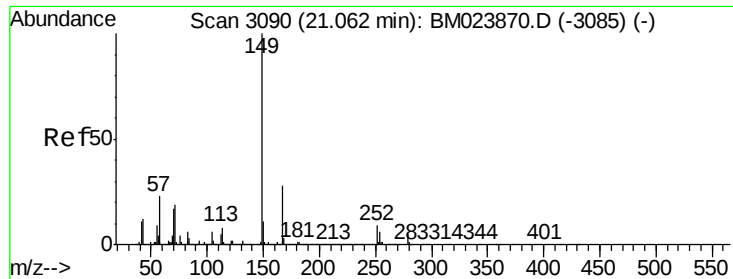
mohammad
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#83
Benzo(a)anthracene
Concen: 5.777 ng/u1
RT: 21.11 min Scan# 3098
Delta R.T. 0.00 min
Lab File: BM023877.D
Acq: 23 Nov 2019 03:21

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.5	15.6	23.4
226	27.5	21.4	32.2





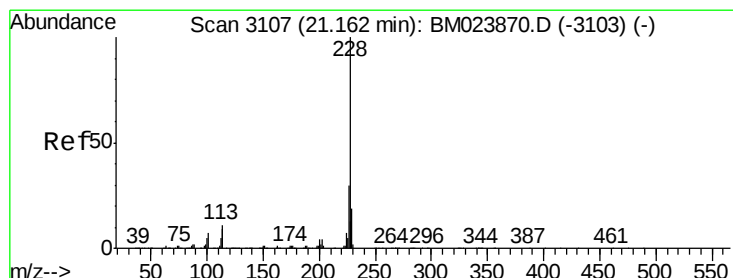
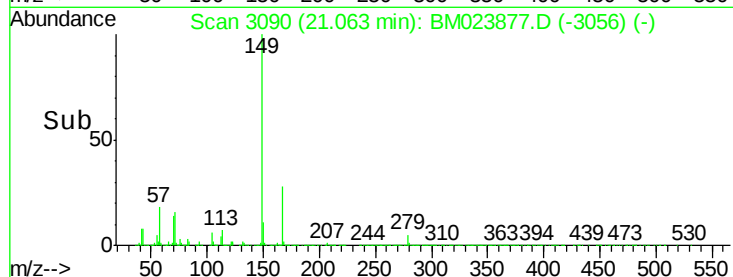
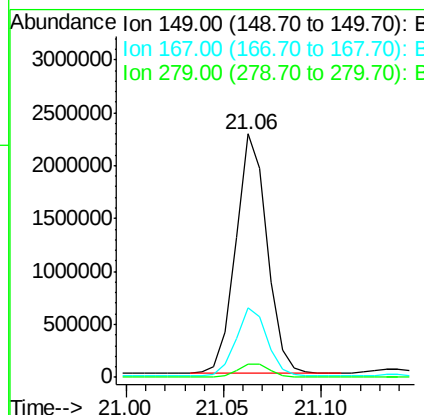
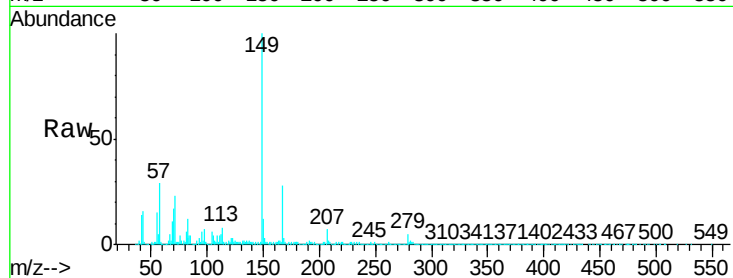
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.526 ng/ul
 RT: 21.06 min Scan# 3090
 Delta R.T. 0.00 min
 Lab File: BM023877.D
 Acq: 23 Nov 2019 03:21

Instrument :
 BNA_M
 ClientSampleId :
 C0AD0

Tgt Ion:149 Resp: 2502329
 Ion Ratio Lower Upper
 149 100
 167 28.4 23.4 35.2
 279 5.5 5.0 7.4

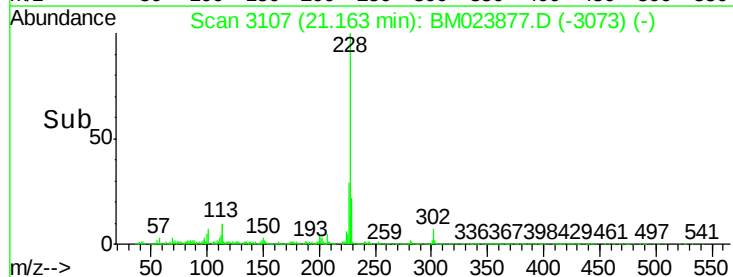
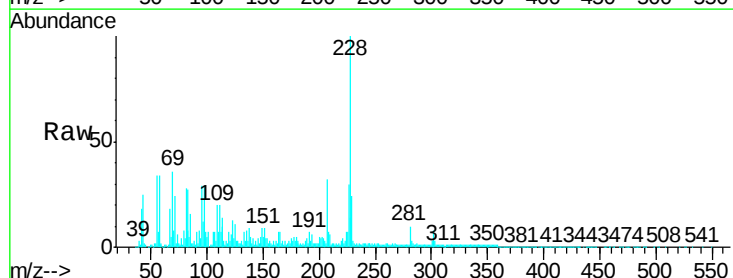
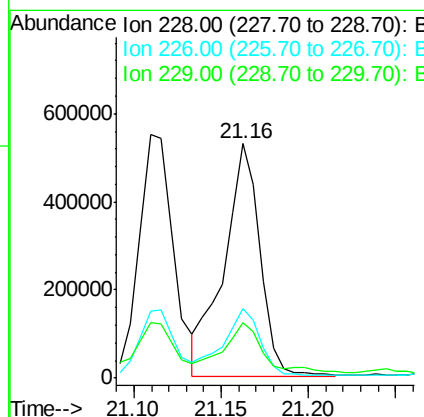
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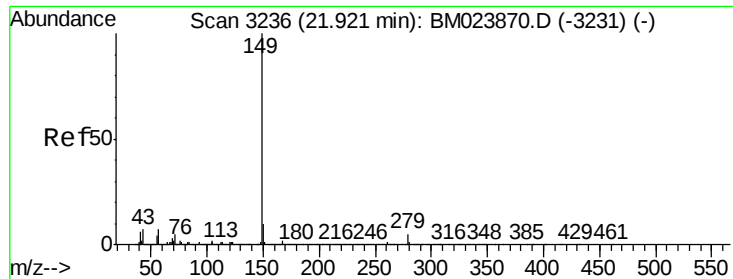
mohammad
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#85
 Chrysene
 Concen: 6.484 ng/ul m
 RT: 21.16 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: BM023877.D
 Acq: 23 Nov 2019 03:21

Tgt Ion:228 Resp: 766548
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.8 35.8
 229 23.8 15.8 23.6#





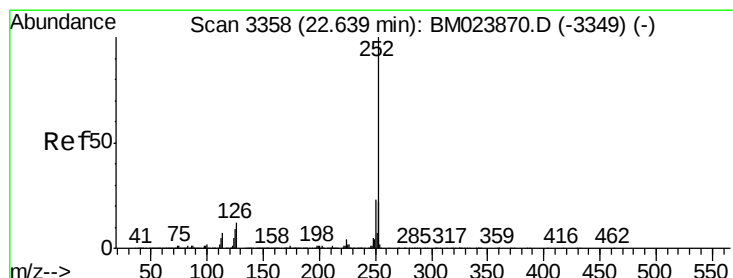
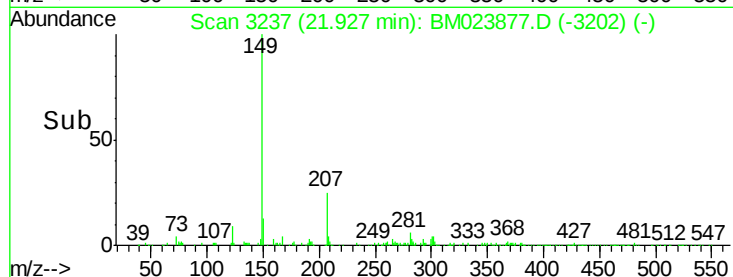
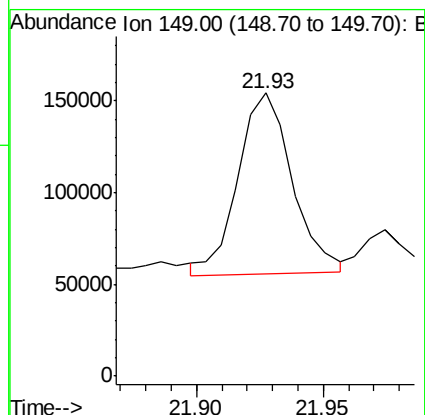
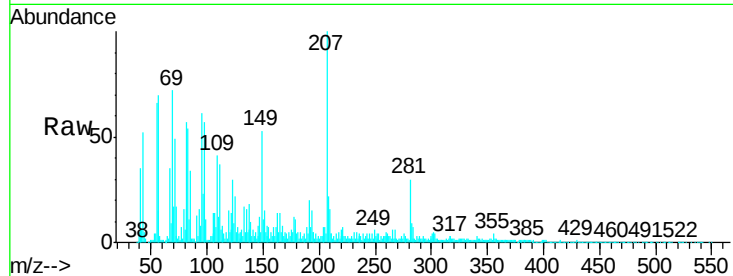
#87
 Di-n-octyl phthalate
 Concen: 1.264 ng/ul
 RT: 21.93 min Scan# 3237
 Delta R.T. 0.01 min
 Lab File: BM023877.D
 Acq: 23 Nov 2019 03:21

Instrument :
 BNA_M
 ClientSampleId :
 C0AD0

Tgt Ion:149 Resp: 147575

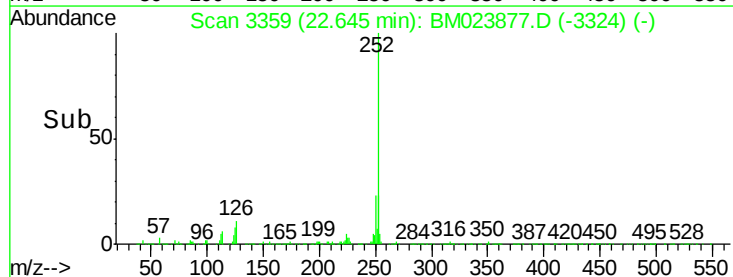
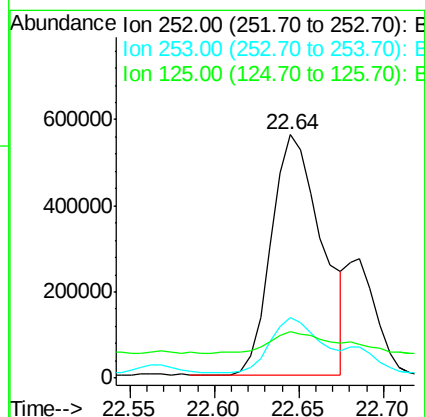
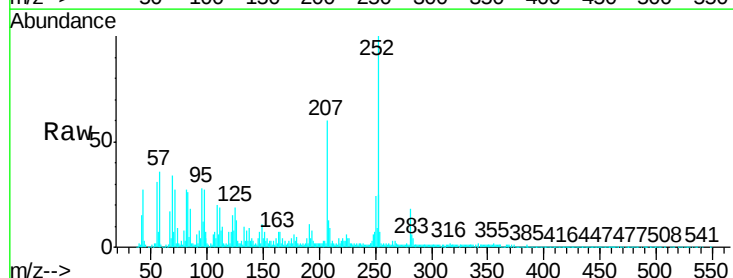
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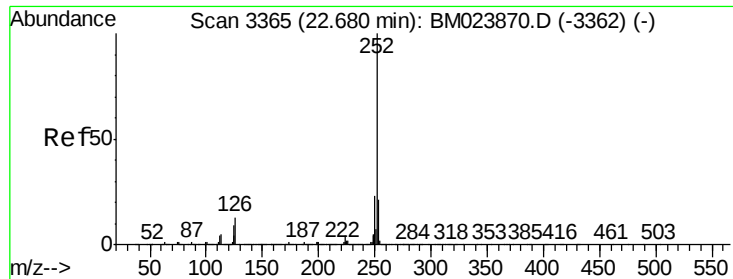
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#88
 Benzo(b)fluoranthene
 Concen: 7.605 ng/ul
 RT: 22.64 min Scan# 3359
 Delta R.T. 0.01 min
 Lab File: BM023877.D
 Acq: 23 Nov 2019 03:21

Tgt Ion:252 Resp: 1157706
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.8 26.8
 125 18.9 6.5 9.7#





#89

Benzo(k)fluoranthene

Concen: 2.271 ng/ul

RT: 22.69 min Scan# 3366

Delta R.T. 0.01 min

Lab File: BM023877.D

Acq: 23 Nov 2019 03:21

Instrument :

BNA_M

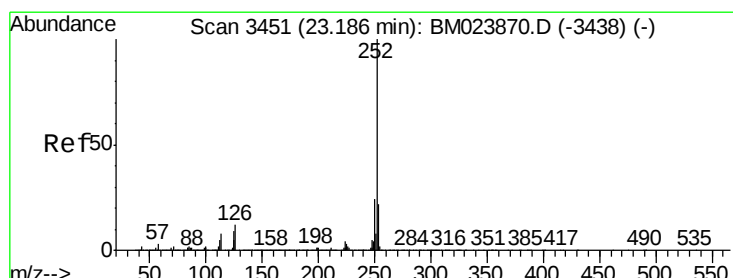
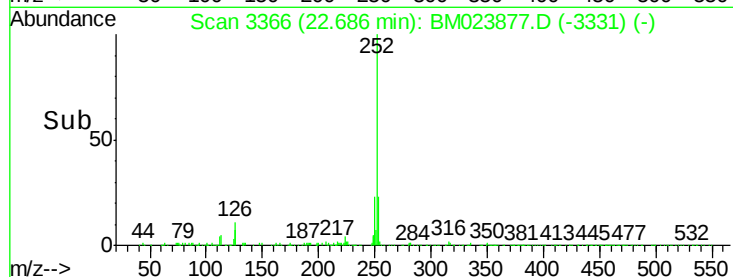
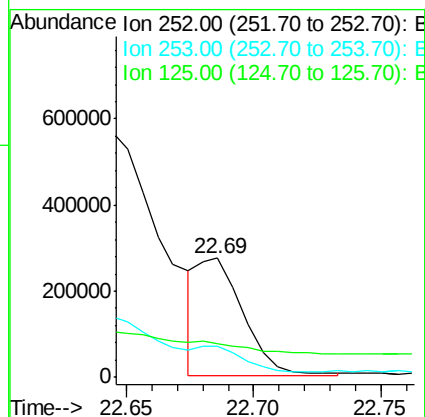
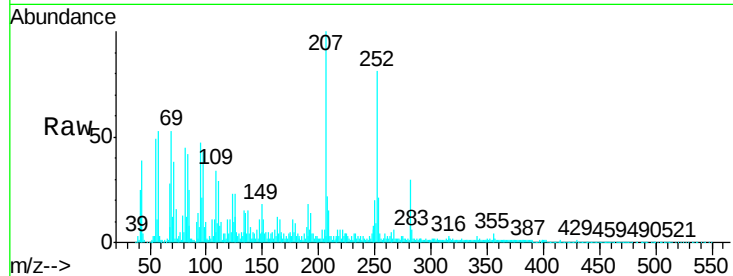
ClientSampled :

C0AD0

Tgt Ion:	252	Resp:	332998
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.2	25.8#
125	28.6	5.9	8.9#

Manual Integrations
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#91

Benzo(a)pyrene

Concen: 5.349 ng/ul

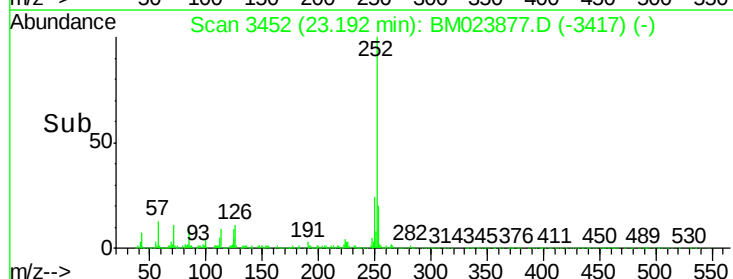
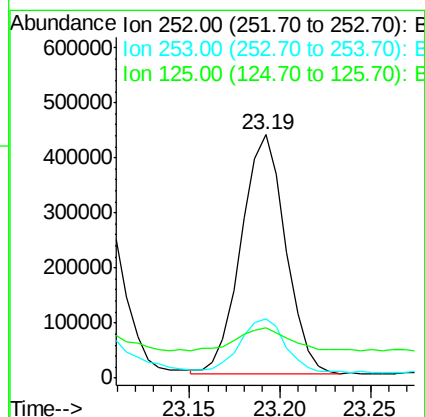
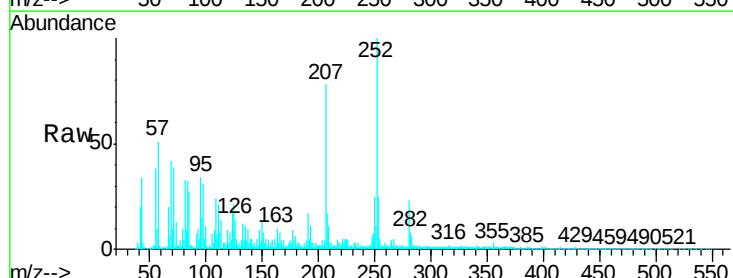
RT: 23.19 min Scan# 3452

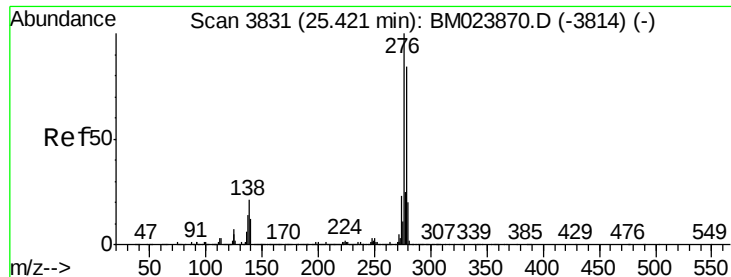
Delta R.T. 0.01 min

Lab File: BM023877.D

Acq: 23 Nov 2019 03:21

Tgt Ion:	252	Resp:	745470
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.3	25.9
125	20.9	6.9	10.3#





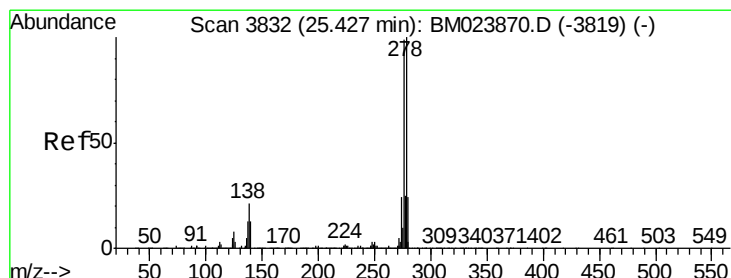
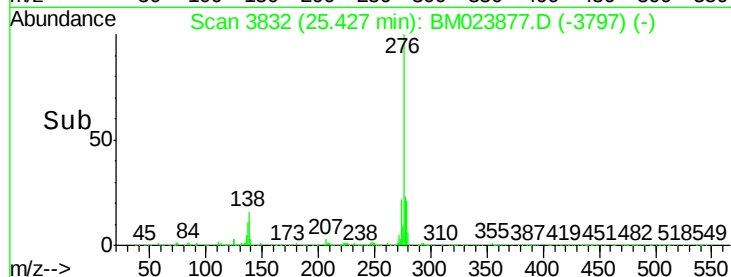
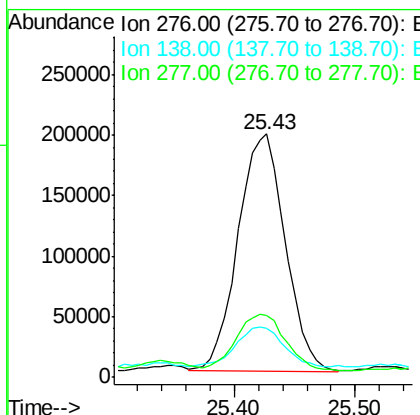
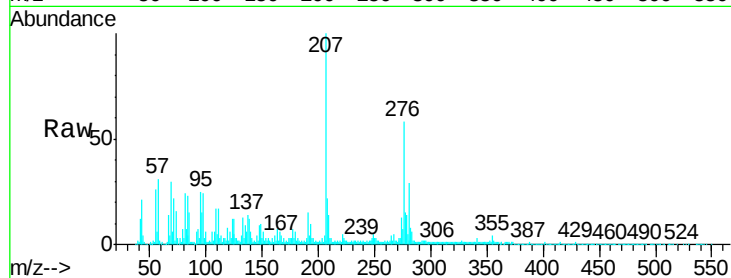
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.575 ng/ul
 RT: 25.43 min Scan# 3832
 Delta R.T. 0.01 min
 Lab File: BM023877.D
 Acq: 23 Nov 2019 03:21

Instrument :
 BNA_M
 ClientSampleId :
 C0AD0

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	15.0	22.4
277	25.5	20.0	30.0

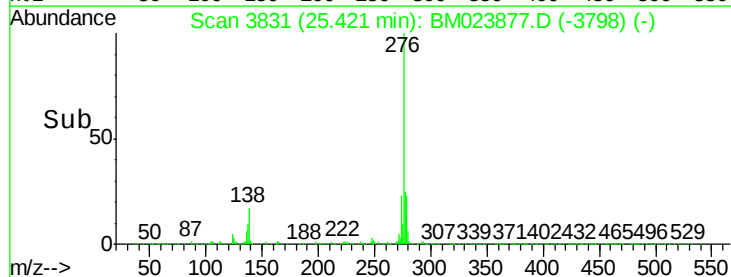
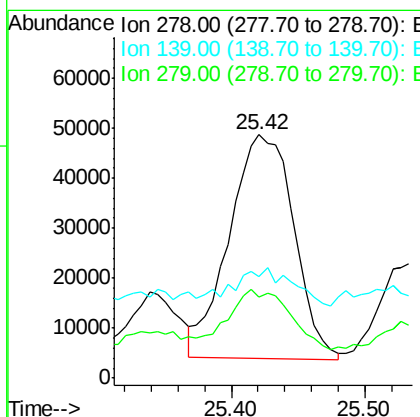
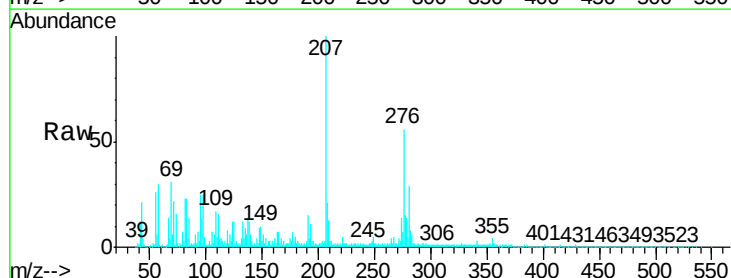
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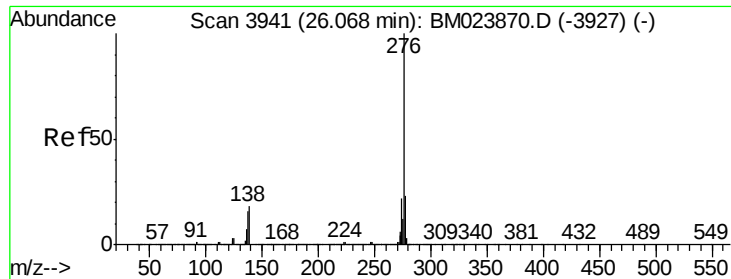
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#93
 Dibenzo(a,h)anthracene
 Concen: 1.200 ng/ul
 RT: 25.42 min Scan# 3831
 Delta R.T. -0.01 min
 Lab File: BM023877.D
 Acq: 23 Nov 2019 03:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	41.7	10.0	15.0#
279	33.5	19.0	28.6#





#94

Benzo(g,h,i)perylene

Concen: 4.430 ng/ul

RT: 26.07 min Scan# 3942

Delta R.T. 0.01 min

Lab File: BM023877.D

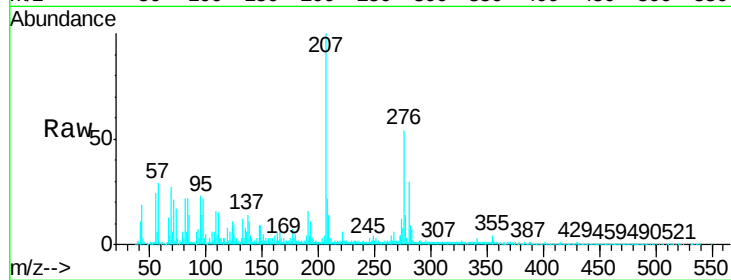
Acq: 23 Nov 2019 03:21

Instrument :

BNA_M

ClientSampleId :

C0AD0



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		534921		
138	20.5	13.2	19.8#		
277	25.0	18.6	28.0		

Manual Integrations
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