

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
 Data File : BM023122.D
 Acq On : 11 Oct 2019 10:32
 Operator : JU
 Sample : K5124-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLM51

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:02:20 AM

Quant Time: Oct 12 00:00:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 08 15:02:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	188202	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	706865	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.40	164	360887	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.14	188	667724	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	668950	20.00	ng/ul	0.00
86) Perylene-d12	23.59	264	807088	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	17221	3.96	ng/uL	0.00
5) Phenol-d5	6.94	99	304897	18.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	192642	21.17	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.30	132	277666	20.74	ng/ul	-0.01
13) 4-Methylphenol-d8	8.47	113	240688	17.68	ng/ul	-0.01
19) Nitrobenzene-d5	8.92	128	128427	23.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	133127	22.35	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.17	165	236619	19.95	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.70	131	83237	5.78	ng/ul	0.00
44) Dimethylphthalate-d6	13.82	166	623097	22.25	ng/ul	0.00
47) Acenaphthylene-d8	14.10	160	757860	23.44	ng/ul	0.00
52) 4-Nitrophenol-d4	14.60	143	47204	8.53	ng/ul	0.00
58) Fluorene-d10	15.40	176	520310	21.80	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.52	200	55848	12.85	ng/ul	0.00
71) Anthracene-d10	17.24	188	747755	22.93	ng/ul	0.00
79) Pyrene-d10	19.54	212	811504	22.54	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.45	264	953358	22.83	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	6.92	77	13513	1.793	ng/ul 97
6) Phenol	6.96	94	67007	3.844	ng/ul 99
16) 4-Methylphenol	8.53	108	69181	4.657	ng/ul 90
28) Naphthalene	10.60	128	108711	2.848	ng/ul 99
34) 2-Methylnaphthalene	12.22	142	40544	1.417	ng/ul 98
45) Dimethylphthalate	13.86	163	210380	7.312	ng/ul 99
48) Acenaphthylene	14.13	152	329927	9.451	ng/ul 100
50) Acenaphthene	14.47	153	90638	3.727	ng/ul 99
54) Dibenzofuran	14.80	168	81480	2.346	ng/ul 98
59) Fluorene	15.45	166	102070	3.637	ng/ul 98
70) Phenanthrene	17.19	178	2954156	74.130	ng/ul 99
72) Anthracene	17.28	178	346205	8.526	ng/ul 100
75) Carbazole	17.54	167	428298	11.868	ng/ul 99
77) Fluoranthene	19.21	202	4420684	98.632	ng/ul 100
80) Pyrene	19.57	202	4397058	92.725	ng/ul 99
81) Butylbenzylphthalate	20.47	149	36843	1.889	ng/ul 88
83) Benzo(a)anthracene	21.32	228	1809191	37.670	ng/ul 97
84) Bis(2-ethylhexyl)phthalate	21.25	149	68282	2.464	ng/ul# 96
85) Chrysene	21.37	228	2282897	51.555	ng/ul 97
88) Benzo(b)fluoranthene	22.92	252	3148367m	58.782	ng/ul
89) Benzo(k)fluoranthene	22.94	252	986646m	19.255	ng/ul
91) Benzo(a)pyrene	23.50	252	2566138	51.069	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.89	276	1842784	34.527	ng/ul 96

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Instrument :
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JLM51

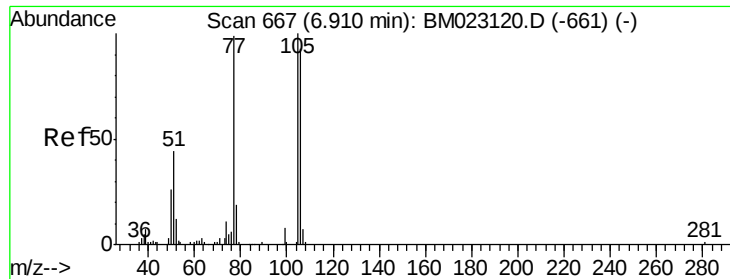
Manual Integrations
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Quant Time: Oct 12 00:00:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	25.89	278	408464	9.148	ng/ul#	87
94) Benzo(g,h,i)perylene	26.60	276	1805707	41.935	ng/ul	98

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



#4

Benzaldehyde

Concen: 1.793 ng/ul

RT: 6.92 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM023122.D

Acq: 11 Oct 2019 10:32

Instrument :

BNA_M

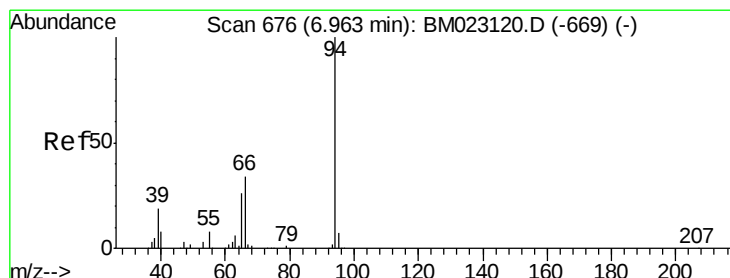
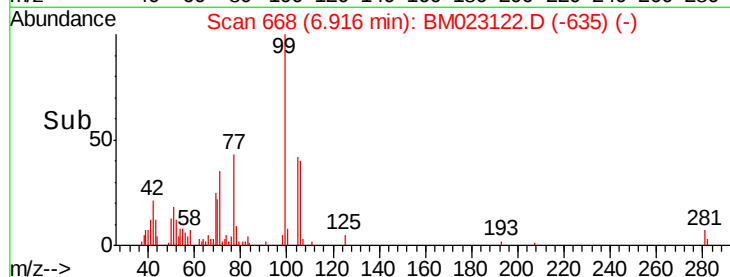
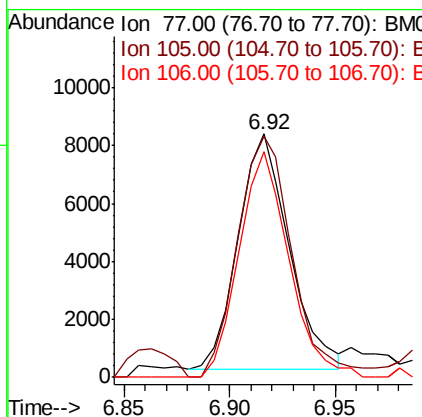
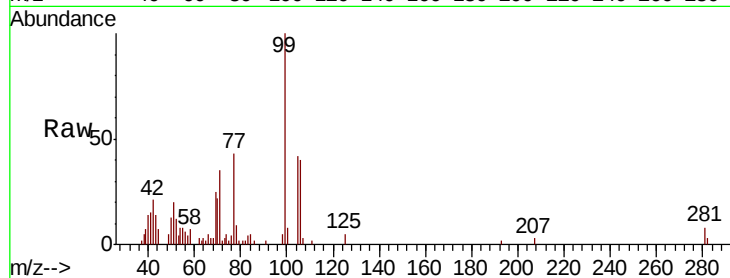
ClientSampled :

JLM51

Tot Ion:	77	Resp:	13513
Ion	Ratio	Lower	Upper
77	100		
105	99.1	80.6	120.8
106	92.8	77.0	115.6

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#6

Phenol

Concen: 3.844 ng/ul

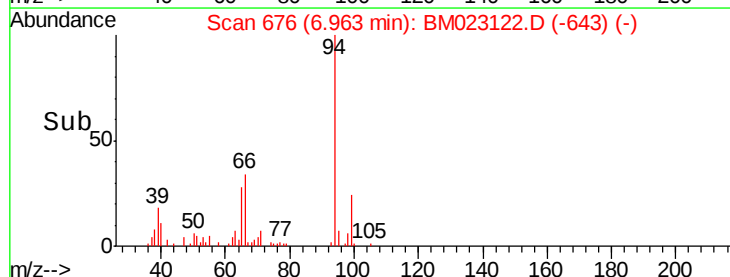
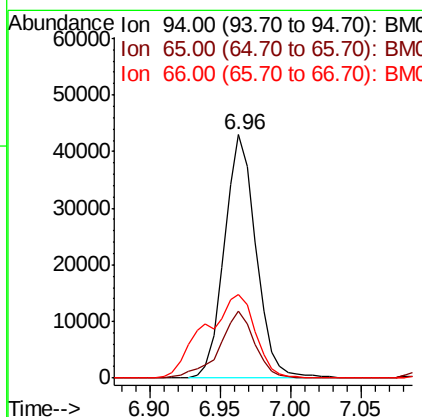
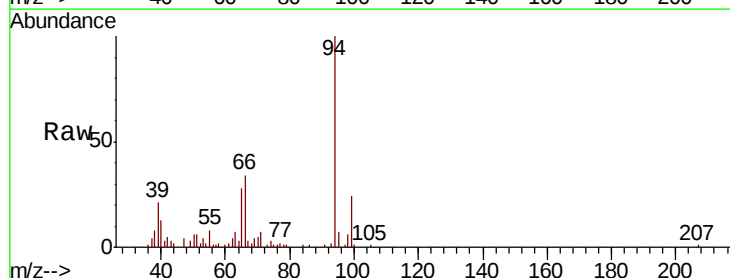
RT: 6.96 min Scan# 676

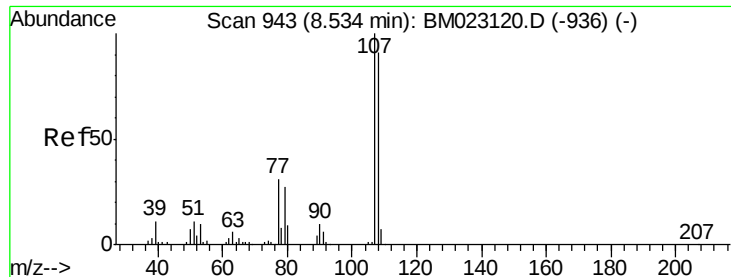
Delta R.T. -0.01 min

Lab File: BM023122.D

Acq: 11 Oct 2019 10:32

Tgt Ion:	94	Resp:	67007
Ion	Ratio	Lower	Upper
94	100		
65	27.7	20.9	31.3
66	34.1	27.2	40.8





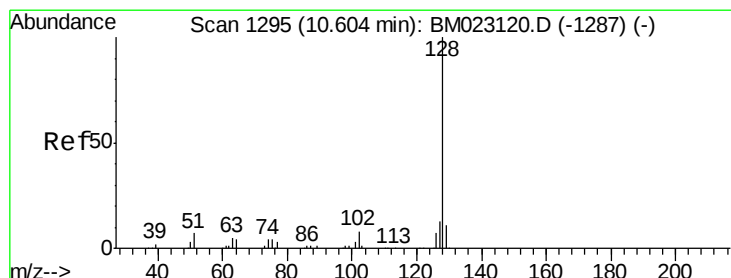
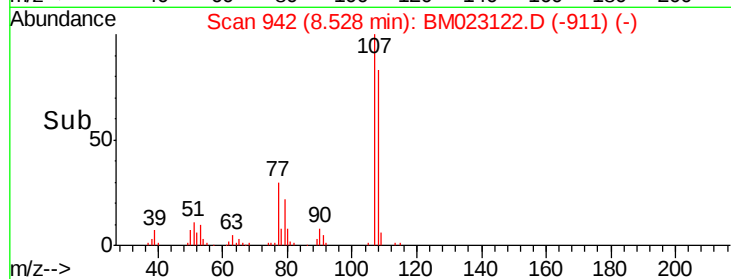
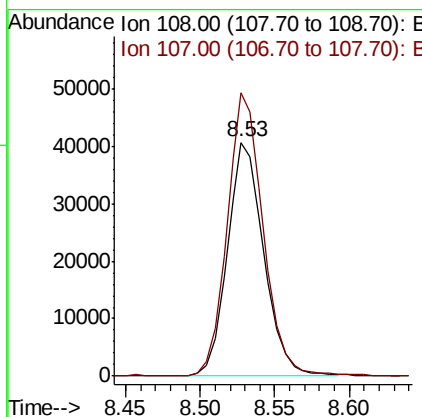
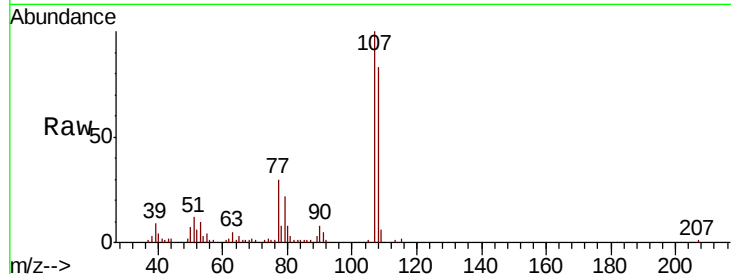
#16
4-Methylphenol
Concen: 4.657 ng/ul
RT: 8.53 min Scan# 942
Delta R.T. -0.02 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Instrument :
BNA_M
ClientSampleId :
JLM51

Tot Ion	Ratio	Lower	Upper
108	100		
107	120.9	87.9	131.9

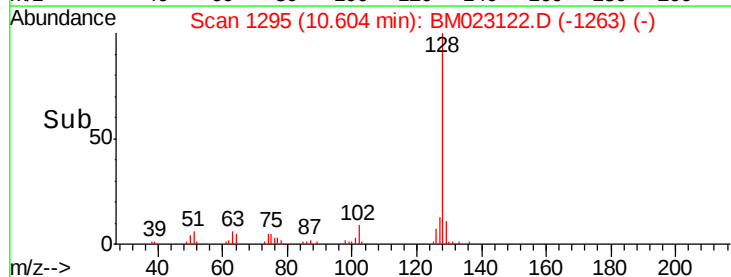
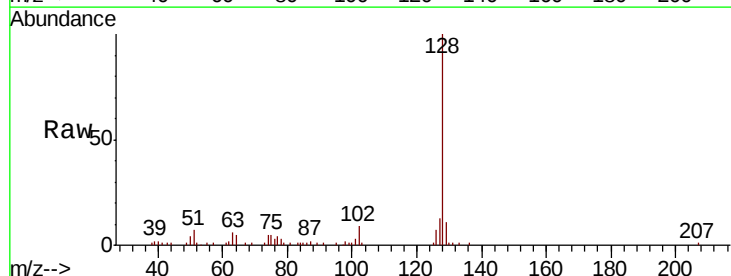
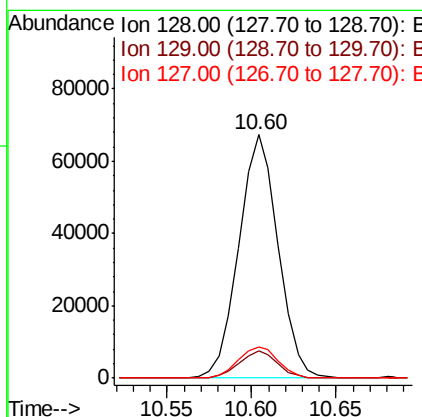
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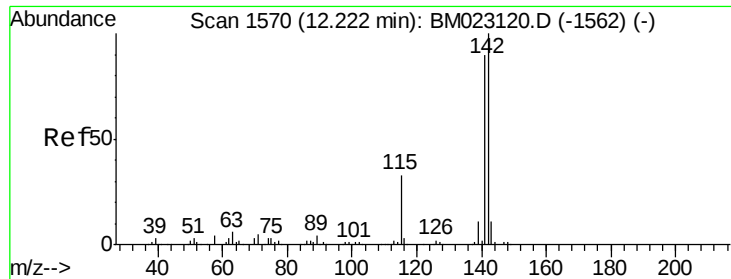
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#28
Naphthalene
Concen: 2.848 ng/ul
RT: 10.60 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	13.0
127	12.9	10.2	15.4





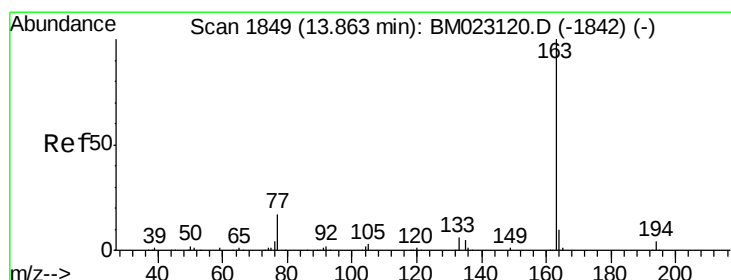
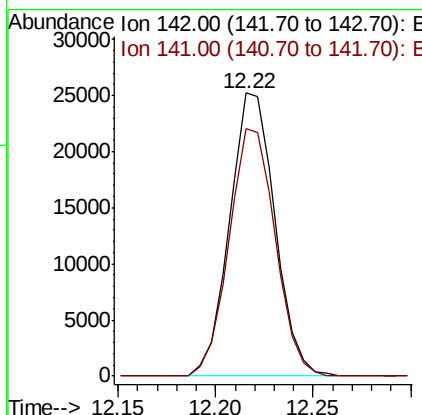
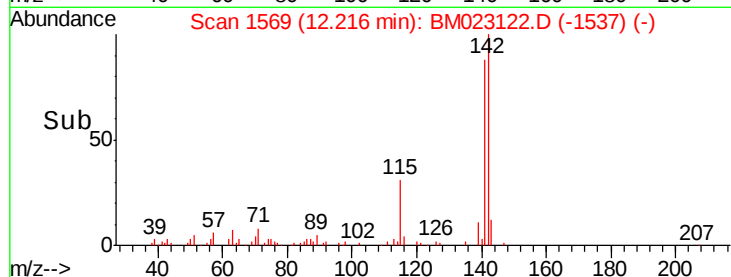
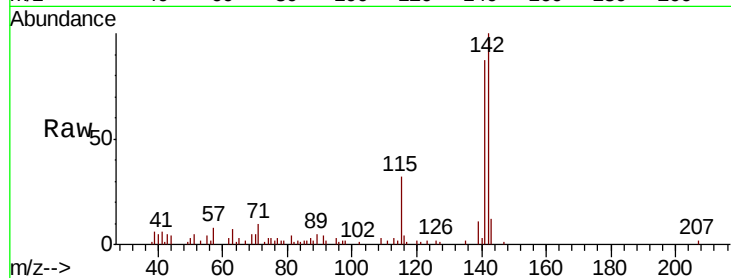
#34
2-Methylnaphthalene
Concen: 1.417 ng/ul
RT: 12.22 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Instrument :
BNA_M
ClientSampleId :
JLM51

Tot Ion:142 Resp: 40544
Ion Ratio Lower Upper
142 100
141 87.3 71.2 106.8

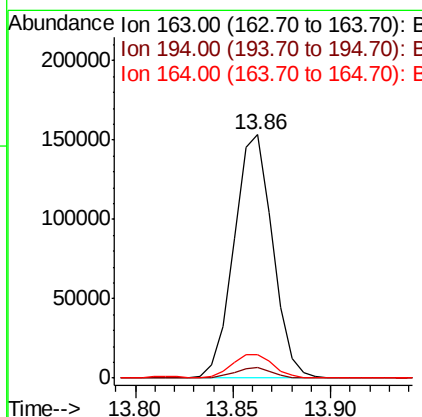
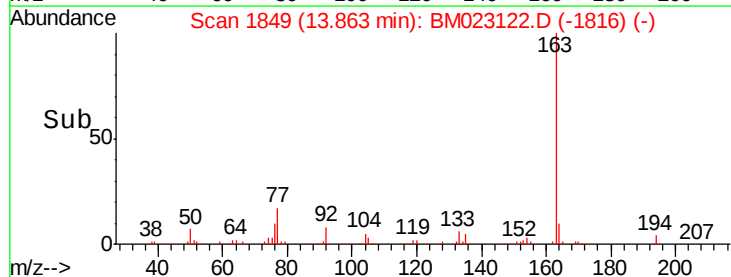
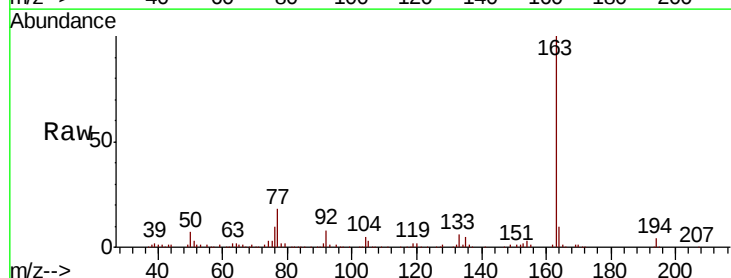
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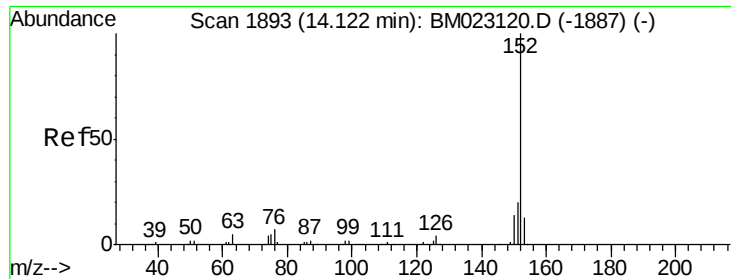
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#45
Dimethylphthalate
Concen: 7.312 ng/ul
RT: 13.86 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Tgt Ion:163 Resp: 210380
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 9.7 8.1 12.1





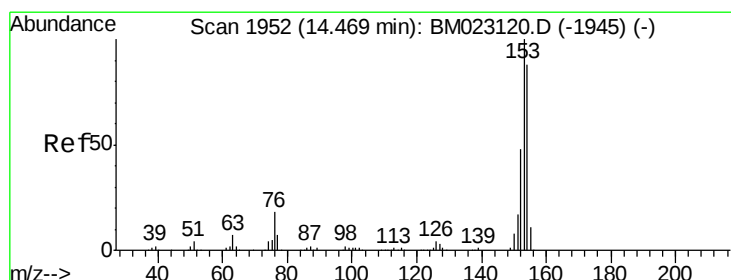
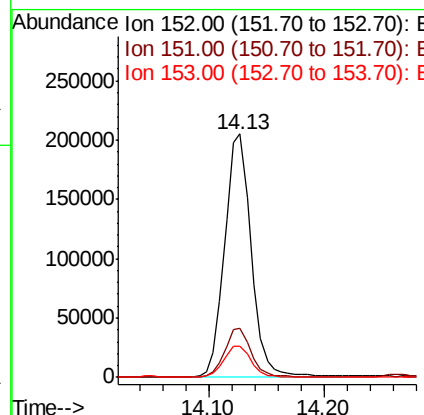
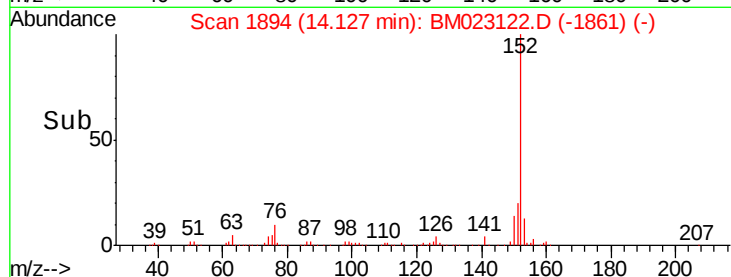
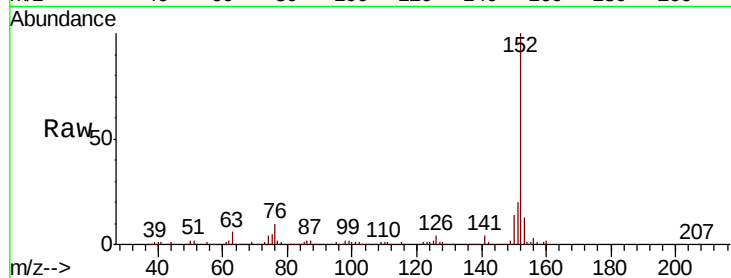
#48
Acenaphthylene
Concen: 9.451 ng/ul
RT: 14.13 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Instrument :
BNA_M
ClientSampled :
JLM51

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	12.9	10.6	16.0

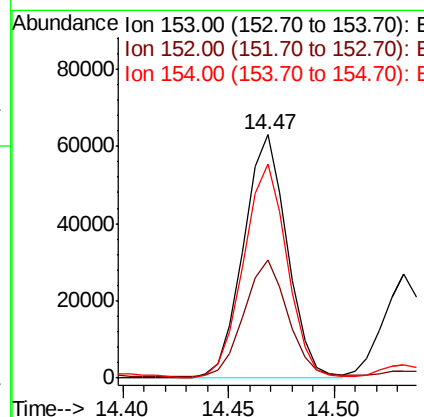
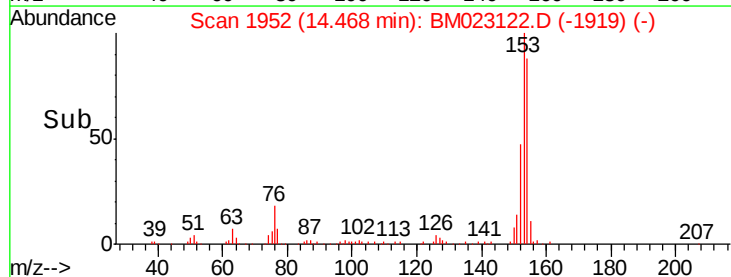
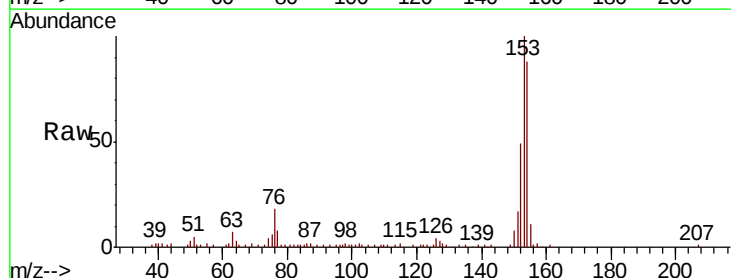
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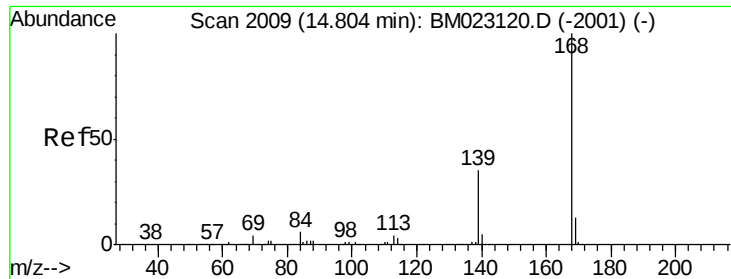
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#50
Acenaphthene
Concen: 3.727 ng/ul
RT: 14.47 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.7	38.1	57.1
154	88.0	71.1	106.7





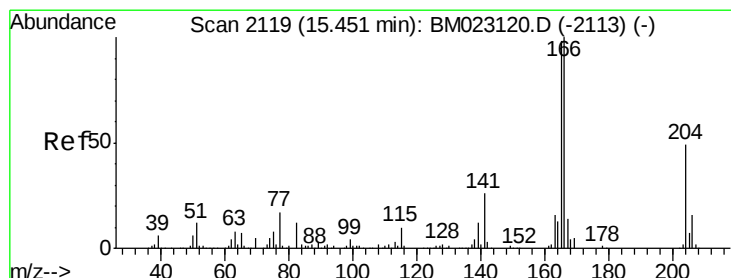
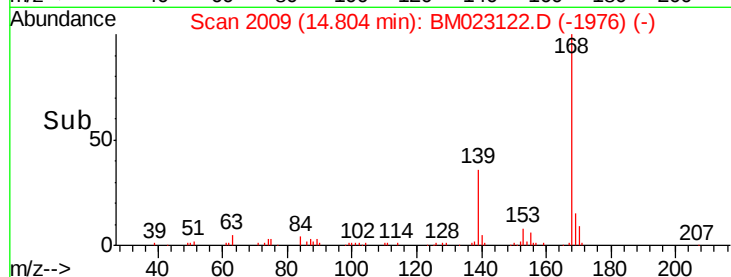
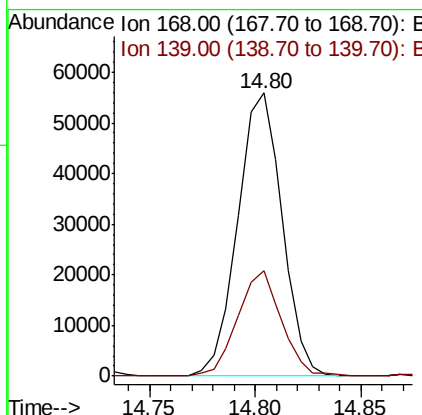
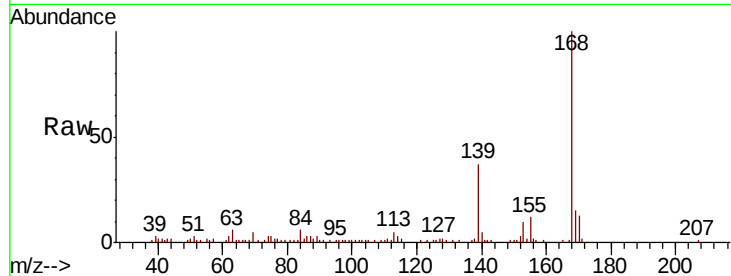
#54
Dibenzenofuran
Concen: 2.346 ng/ul
RT: 14.80 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Instrument :
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ClientSampleId :
JLM51

Tot Ion:168 Resp: 81480
Ion Ratio Lower Upper
168 100
139 37.1 29.0 43.4

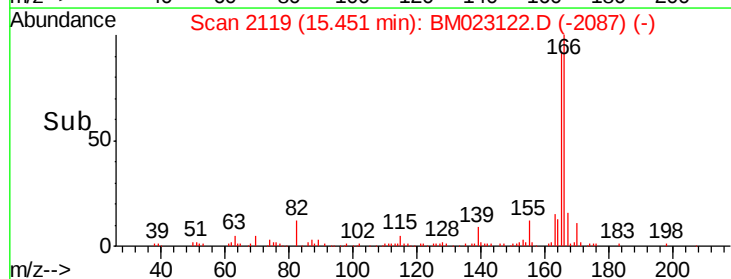
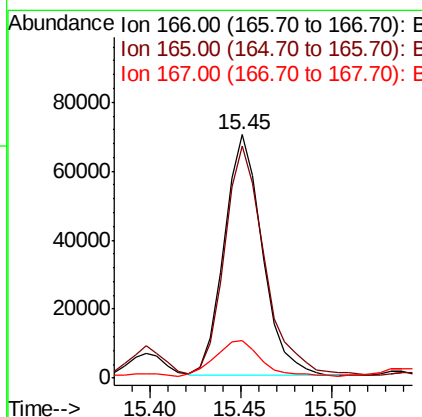
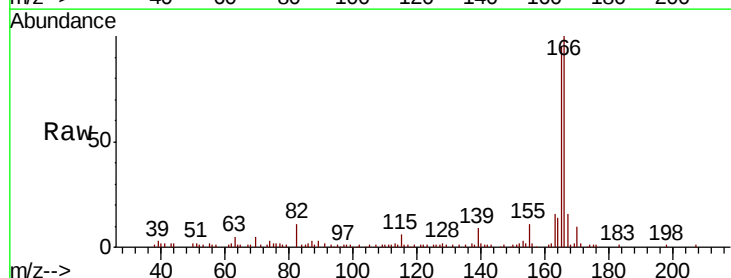
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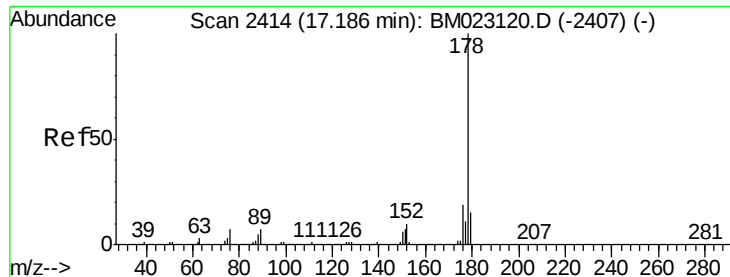
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#59
Fluorene
Concen: 3.637 ng/ul
RT: 15.45 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Tgt Ion:166 Resp: 102070
Ion Ratio Lower Upper
166 100
165 95.5 77.7 116.5
167 15.7 11.0 16.4





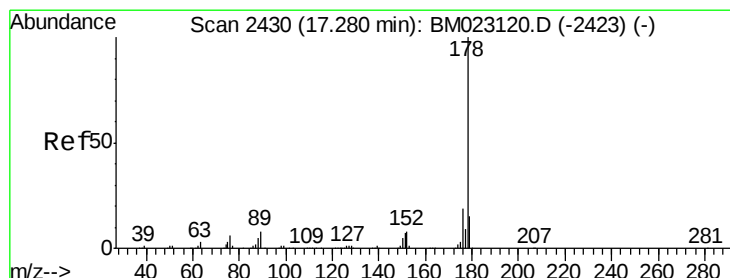
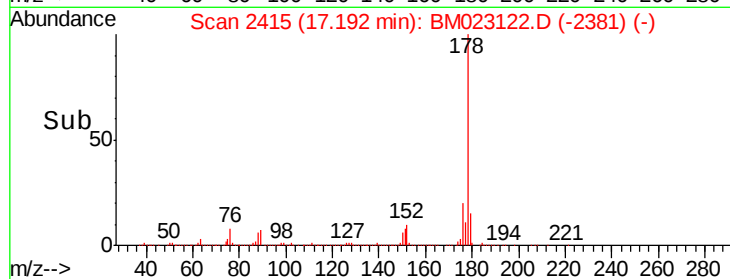
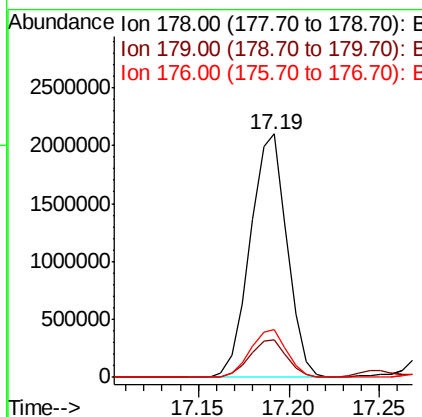
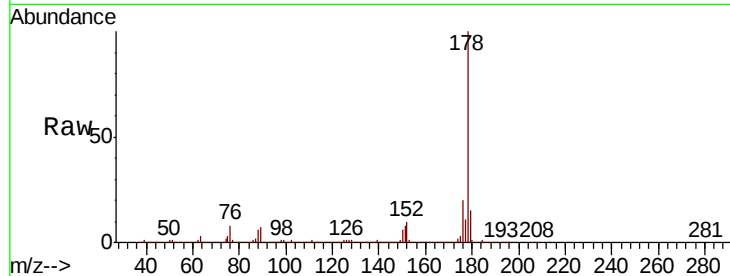
#70
Phenanthrene
Concen: 74.130 ng/ul
RT: 17.19 min Scan# 2415
Delta R.T. -0.00 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Instrument :
BNA_M
ClientSampleId :
JLM51

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	19.5	15.3	22.9

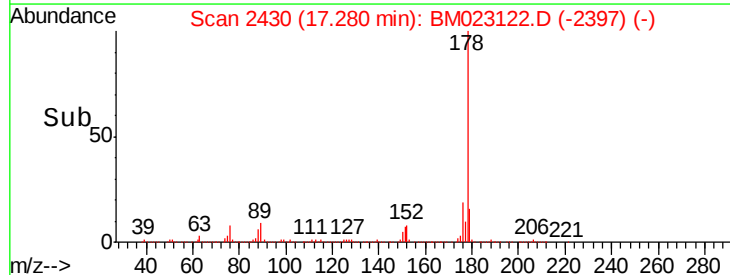
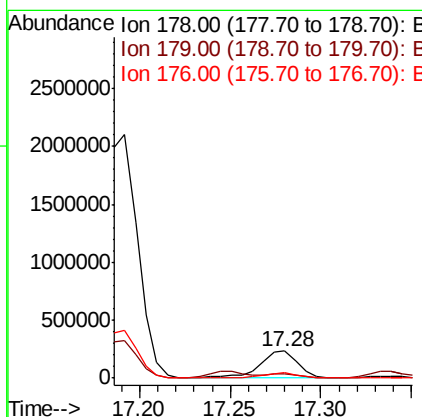
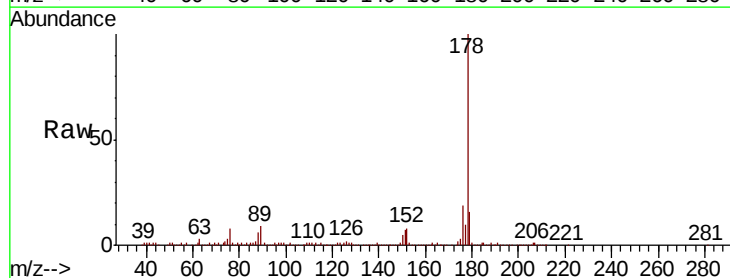
Manual Integrations
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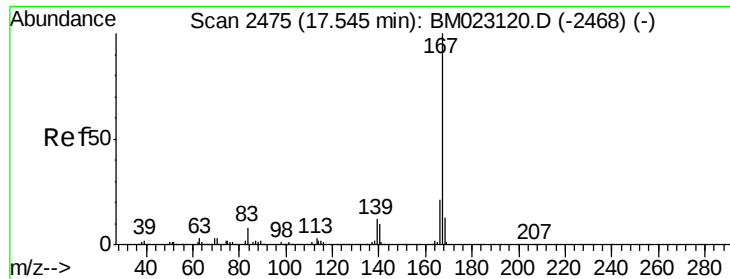
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#72
Anthracene
Concen: 8.526 ng/ul
RT: 17.28 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	18.7	15.0	22.6





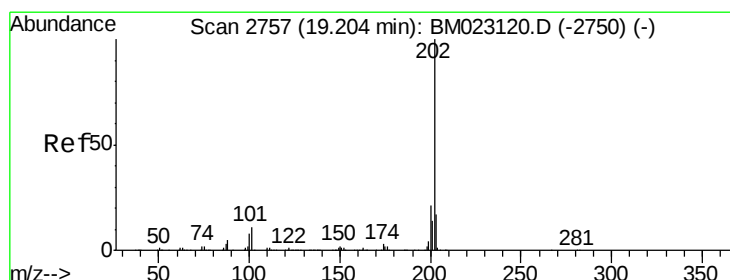
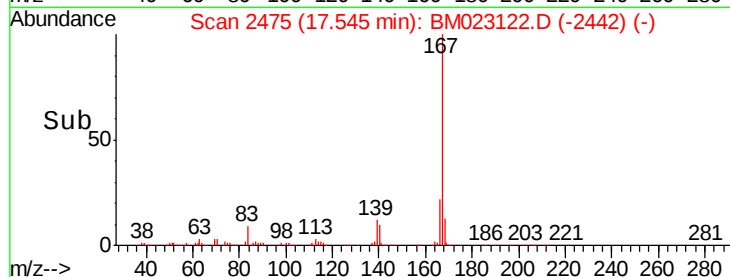
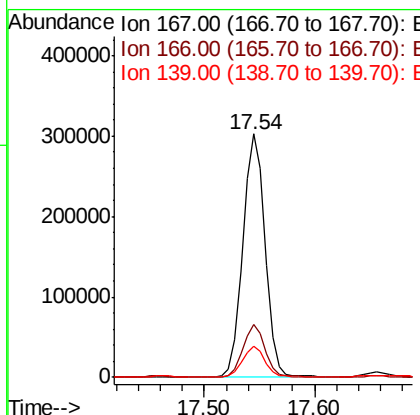
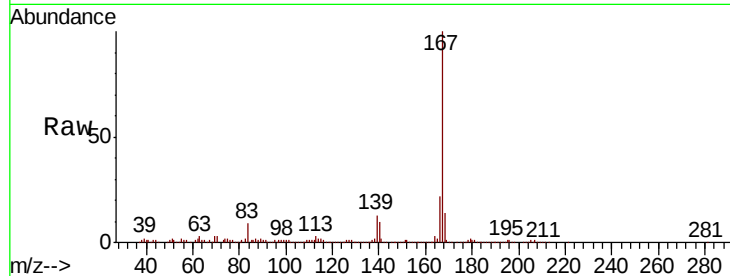
#75
 Carbazole
 Concen: 11.868 ng/ul
 RT: 17.54 min Scan# 2475
 Delta R.T. -0.01 min
 Lab File: BM023122.D
 Acq: 11 Oct 2019 10:32

Instrument :
 BNA_M
 ClientSampleId :
 JLM51

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100		428298		
166	21.7	17.1	25.7		
139	12.8	9.9	14.9		

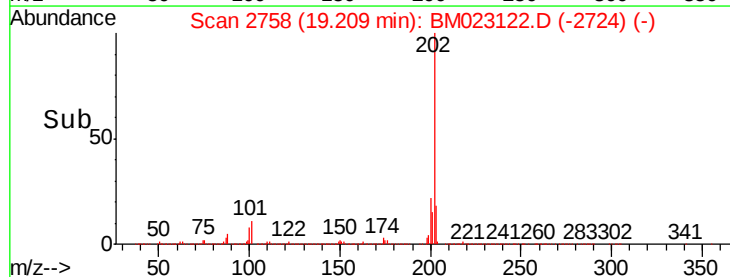
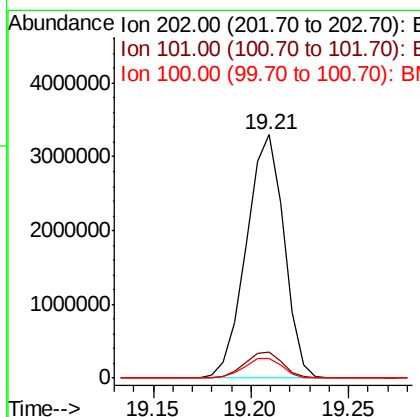
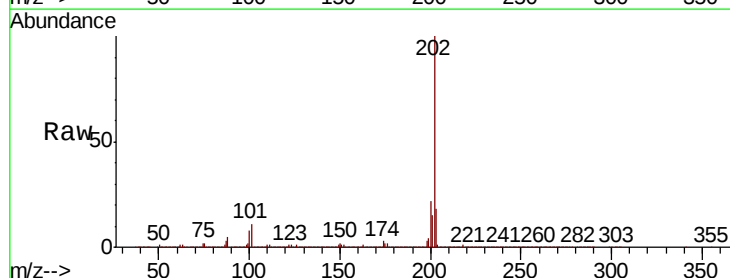
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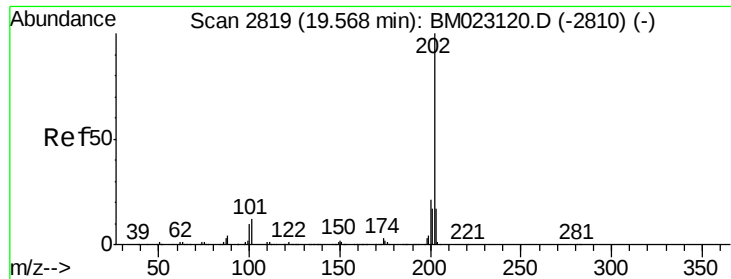
mohammad
 10/16/2019 8:02:20 AM



#77
 Fluoranthene
 Concen: 98.632 ng/ul
 RT: 19.21 min Scan# 2758
 Delta R.T. -0.00 min
 Lab File: BM023122.D
 Acq: 11 Oct 2019 10:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		4420684		
101	10.8	8.6	12.8		
100	8.2	6.4	9.6		





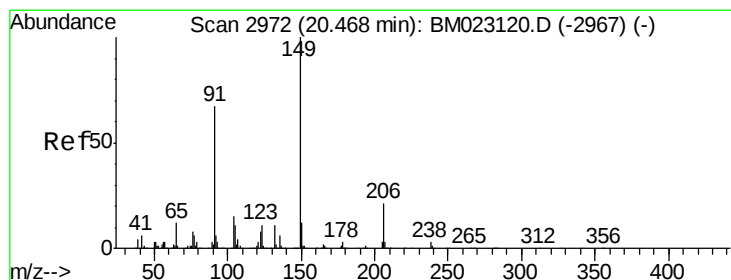
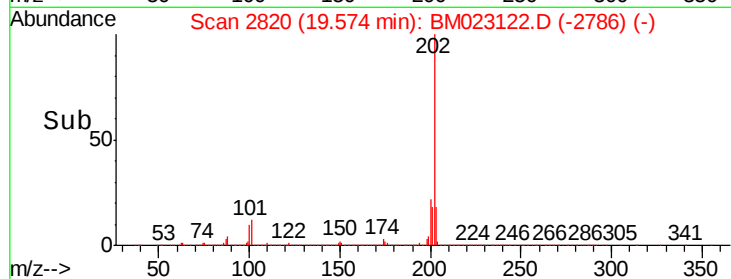
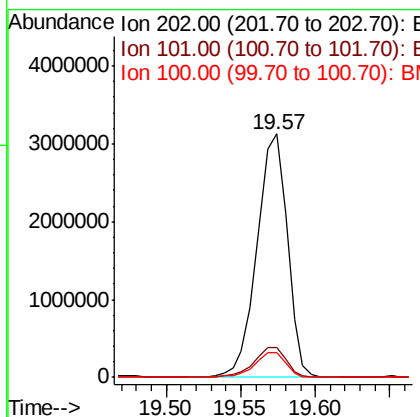
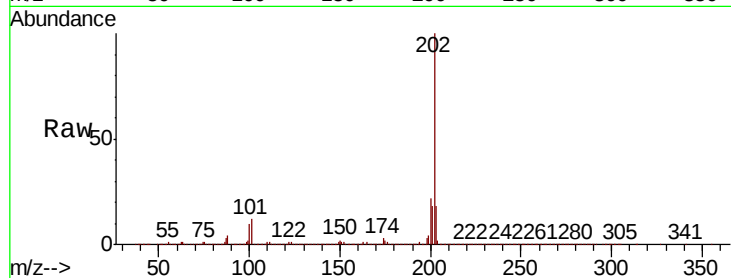
#80
Pvrene
Concen: 92.725 ng/ul
RT: 19.57 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Instrument :
BNA_M
ClientSampleId :
JLM51

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.7	14.5
100	10.1	7.8	11.8

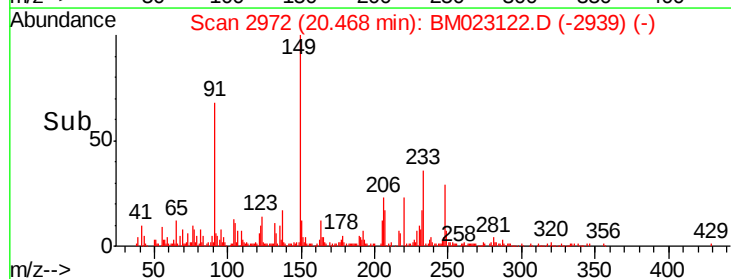
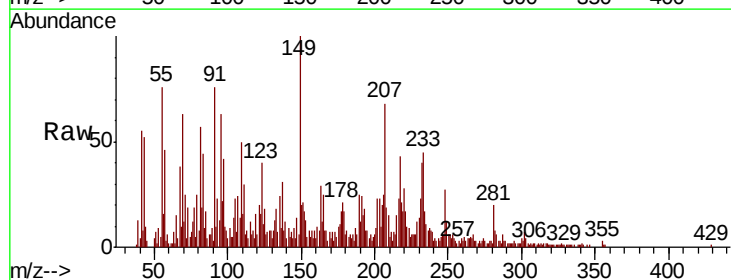
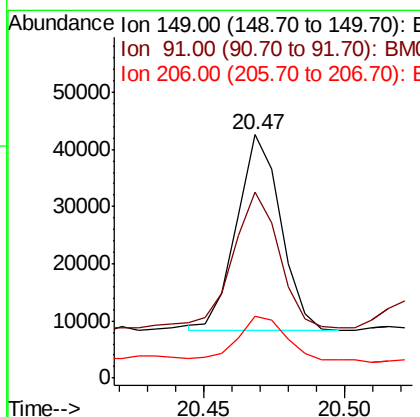
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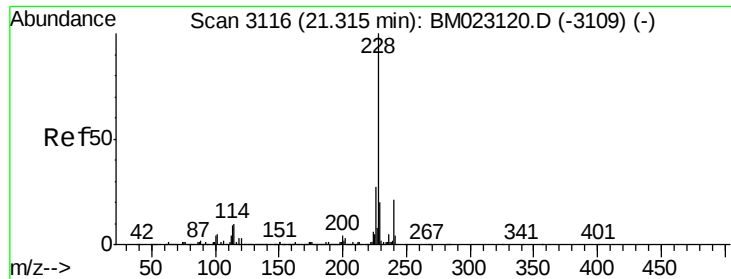
mohammad
10/16/2019 8:02:20 AM



#81
Butylbenzylphthalate
Concen: 1.889 ng/ul
RT: 20.47 min Scan# 2972
Delta R.T. -0.01 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Tgt Ion	Ratio	Lower	Upper
149	100		
91	76.3	52.6	78.8
206	25.5	17.7	26.5





#83

Benzo(a)anthracene

Concen: 37.670 ng/ul

RT: 21.32 min Scan# 3116

Delta R.T. -0.01 min

Lab File: BM023122.D

Acq: 11 Oct 2019 10:32

Instrument :

BNA_M

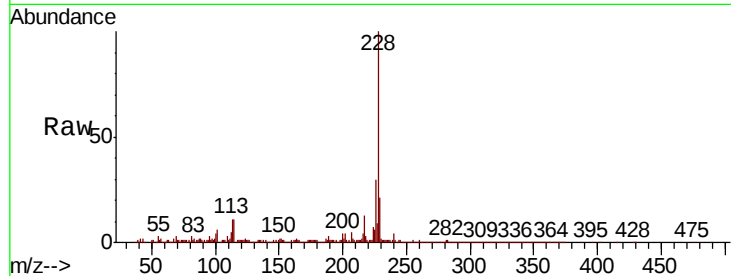
ClientSampleId :

JLM51

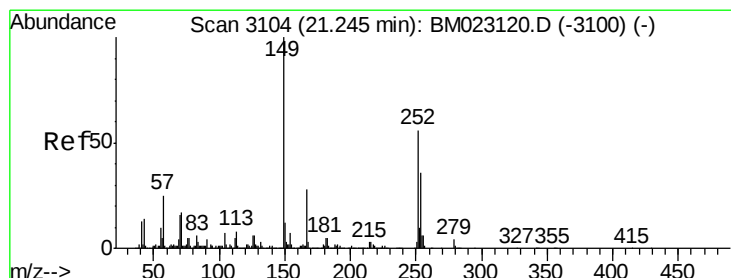
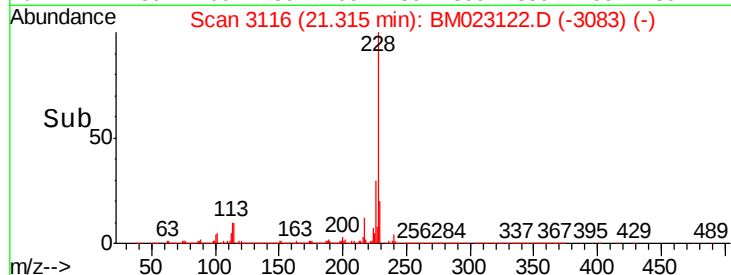
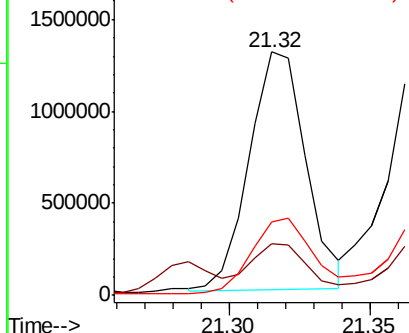
Tot Ion:	228	Resp:	1809191
Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.8	23.8
226	30.1	22.4	33.6

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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: 2.464 ng/ul

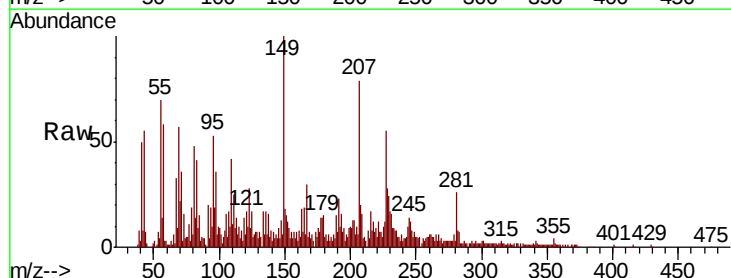
RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

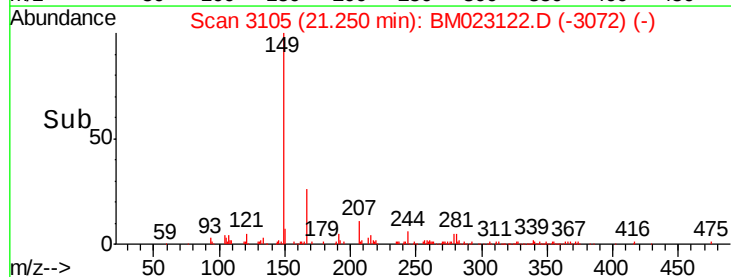
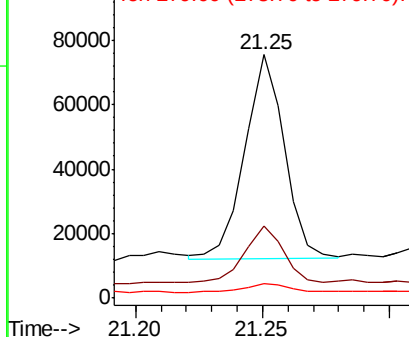
Lab File: BM023122.D

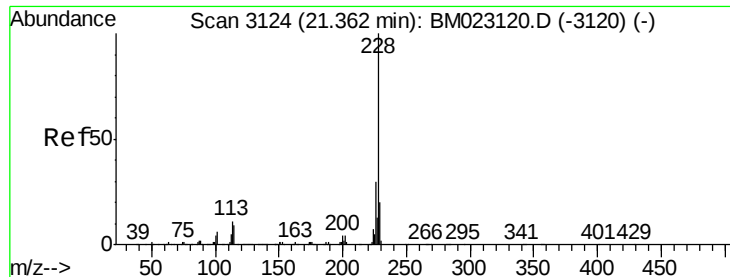
Acq: 11 Oct 2019 10:32

Tgt Ion:	149	Resp:	68282
Ion	Ratio	Lower	Upper
149	100		
167	29.5	22.1	33.1
279	6.2	3.3	4.9#



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: 51.555 ng/ul

RT: 21.37 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM023122.D

Acq: 11 Oct 2019 10:32

Instrument :

BNA_M

ClientSampleId :

JLM51

Tot Ion:228 Resp: 2282897

Ion Ratio Lower Upper

228 100

226 30.8 24.2 36.4

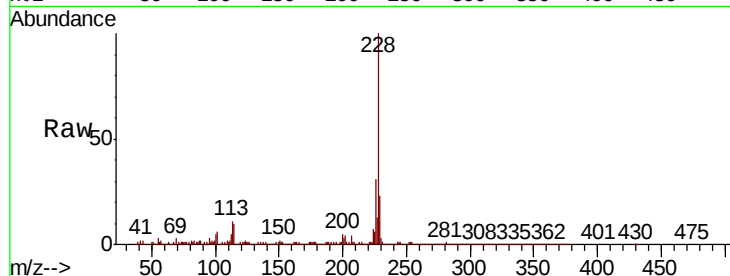
229 23.2 15.9 23.9

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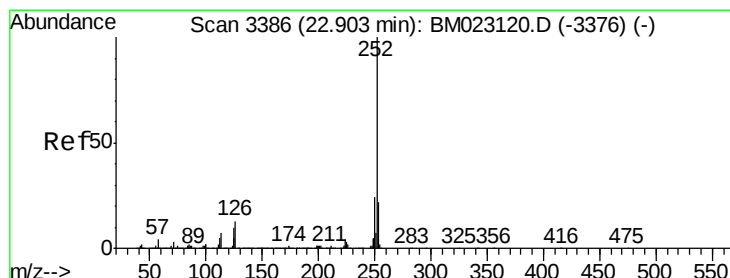
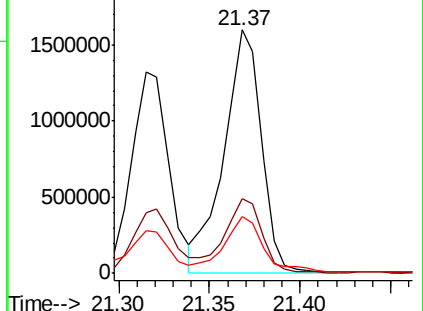
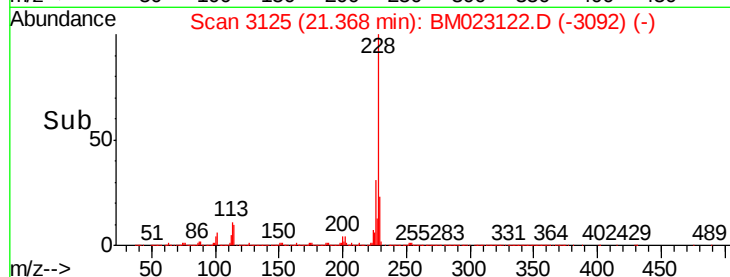
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 58.782 ng/ul m

RT: 22.92 min Scan# 3389

Delta R.T. 0.01 min

Lab File: BM023122.D

Acq: 11 Oct 2019 10:32

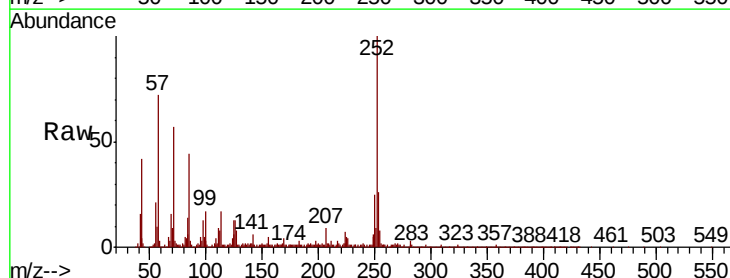
Tgt Ion:252 Resp: 3148367

Ion Ratio Lower Upper

252 100

253 25.8 17.7 26.5

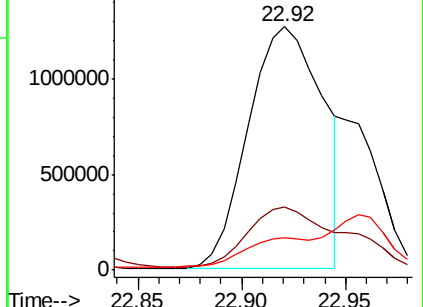
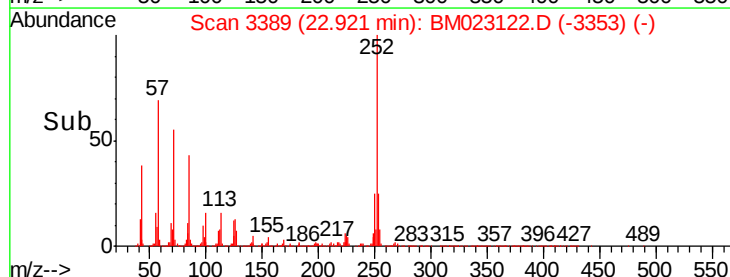
125 13.4 8.2 12.2#

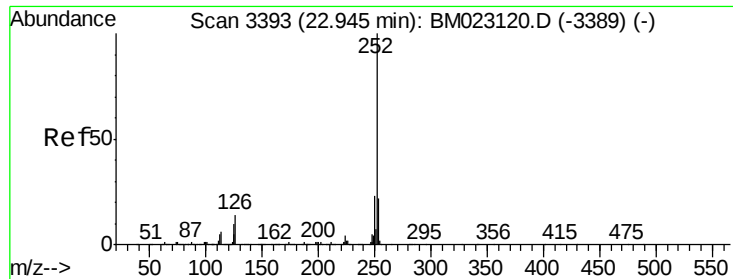


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





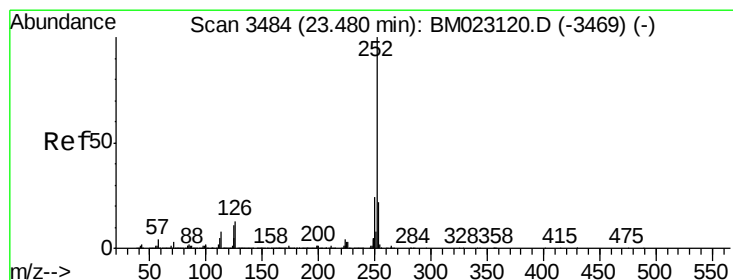
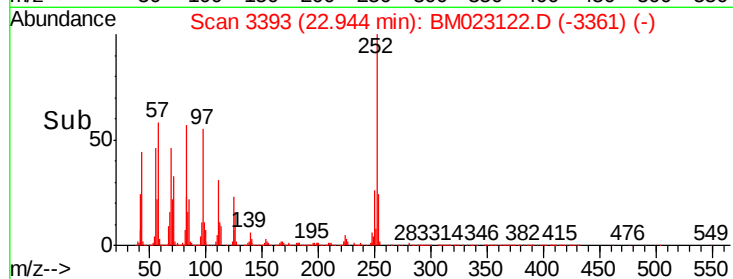
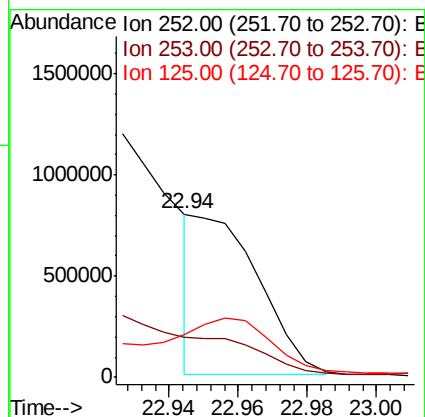
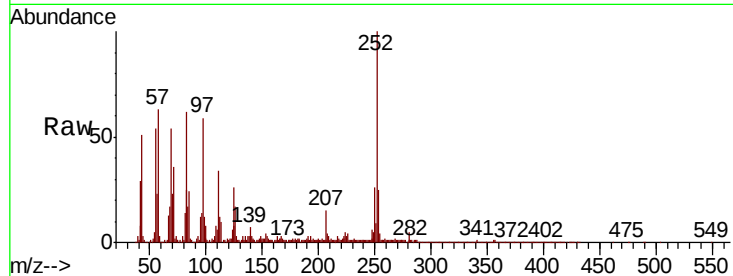
#89
Benzo(k)fluoranthene
Concen: 19.255 ng/ul m
RT: 22.94 min Scan# 3393
Delta R.T. -0.01 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Instrument :
BNA_M
ClientSampleId :
JLM51

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	25.9	7.9	11.9

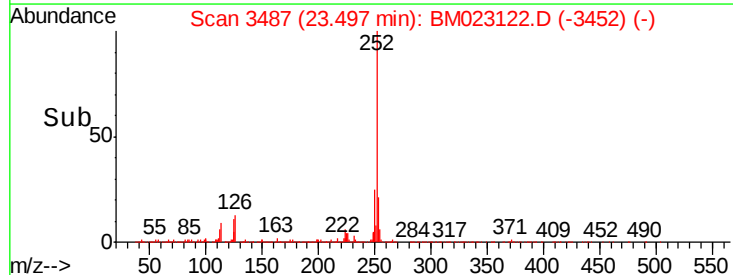
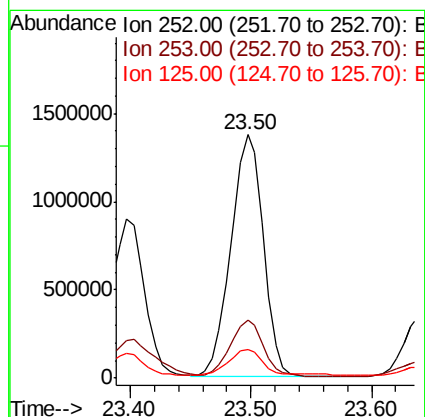
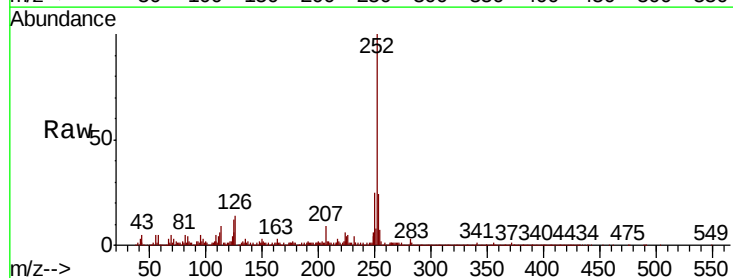
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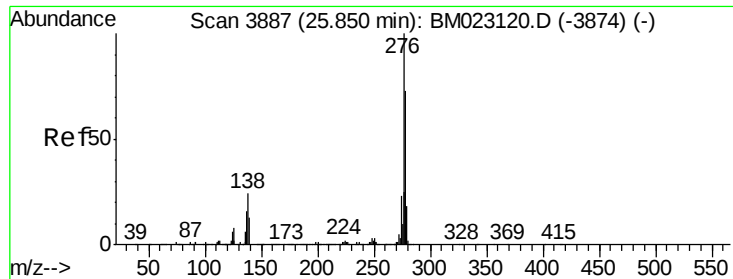
mohammad
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#91
Benzo(a)pyrene
Concen: 51.069 ng/ul
RT: 23.50 min Scan# 3487
Delta R.T. 0.01 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	11.7	8.7	13.1





#92

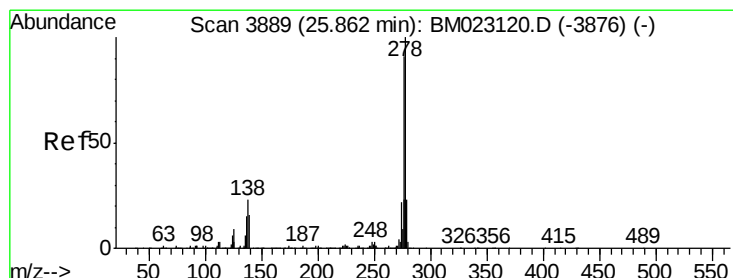
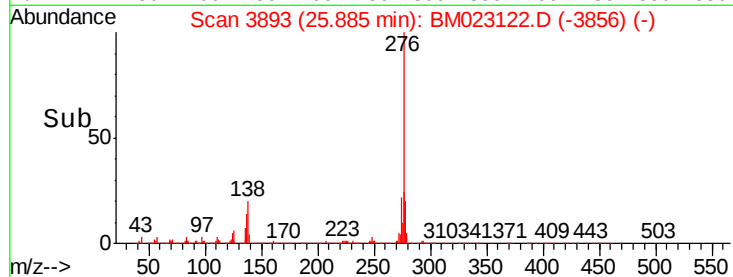
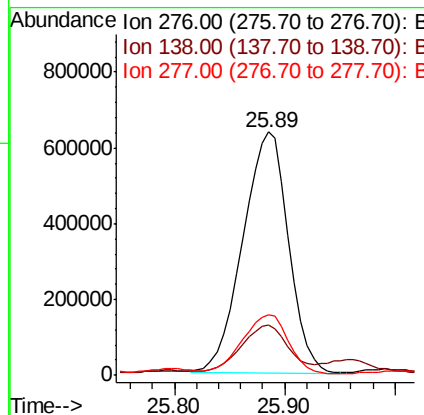
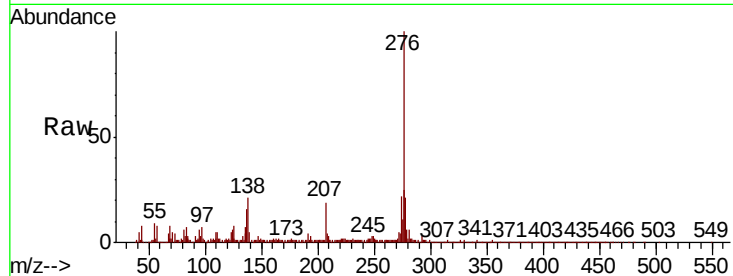
Indeno(1,2,3-cd)pyrene
Concen: 34.527 ng/ul
RT: 25.89 min Scan# 3893
Delta R.T. 0.02 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Instrument :
BNA_M
ClientSampleId :
JLM51

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	20.8	19.8	29.8	
277	25.1	20.3	30.5	

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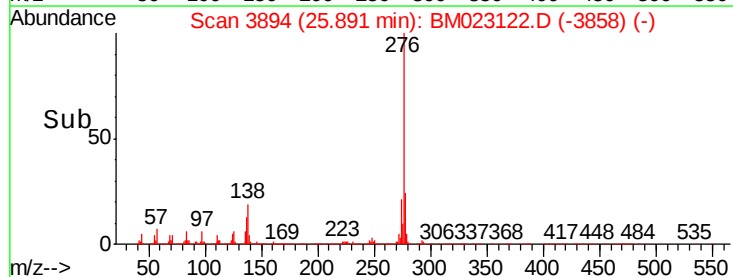
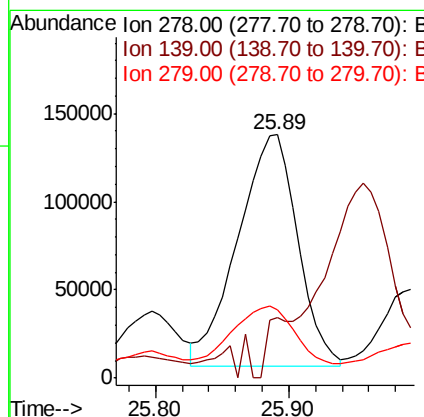
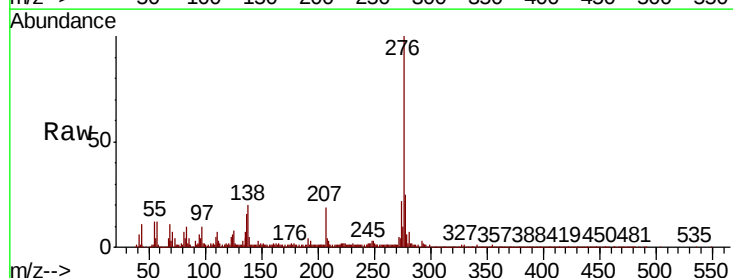
mohammad
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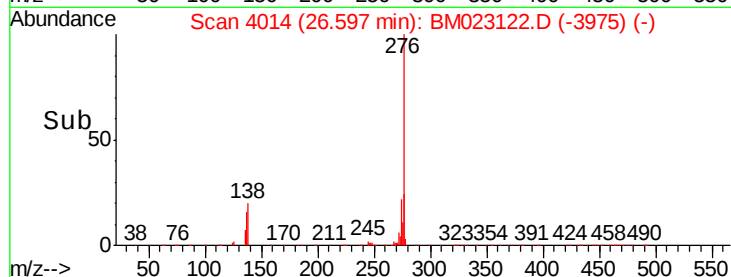
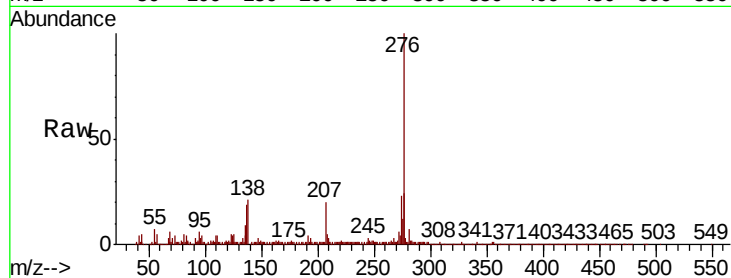
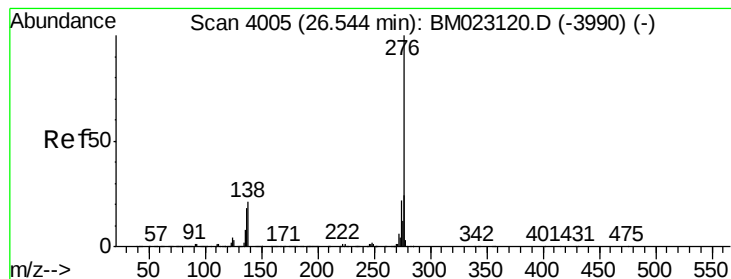


#93

Dibenzo(a,h)anthracene
Concen: 9.148 ng/ul
RT: 25.89 min Scan# 3894
Delta R.T. 0.01 min
Lab File: BM023122.D
Acq: 11 Oct 2019 10:32

Tgt Ion	Ion	Ratio	Lower	Upper
278	100			
139	24.7	13.2	19.8#	
279	28.1	19.0	28.6	





#94

Benzo(a,h,i)perylene

Concen: 41.935 ng/ul

RT: 26.60 min Scan# 4014

Delta R.T. 0.03 min

Lab File: BM023122.D

Acq: 11 Oct 2019 10:32

Tot Ion:	276	Resp:	1805707
Ion Ratio	Lower	Upper	
276	100		
138	20.7	17.6	26.4
277	24.4	19.1	28.7

Instrument :

BNA_M

ClientSampleId :

JLM51

Manual Integrations
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