

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021020\
 Data File : BM024821.D
 Acq On : 10 Feb 2020 22:53
 Operator : CG/JU
 Sample : L1402-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB6M2

Manual Integrations
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mohammad
 2/12/2020 9:50:36 AM

Quant Time: Feb 11 04:41:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 07:38:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	295490	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.16	136	1190911	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.06	164	780266	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1670014	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1598312	20.00	ng/ul	-0.01
86) Perylene-d12	23.12	264	1656301	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	23691	3.86	ng/uL	0.00
5) Phenol-d5	6.60	99	455050	23.18	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.75	67	276877	24.97	ng/ul	-0.01
9) 2-Chlorophenol-d4	6.94	132	421018	23.94	ng/ul	-0.01
13) 4-Methylphenol-d8	8.12	113	371770	22.44	ng/ul	-0.01
19) Nitrobenzene-d5	8.54	128	209428	24.32	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.26	143	243966	23.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	456427	22.24	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.30	131	535282	27.88	ng/ul	-0.01
44) Dimethylphthalate-d6	13.48	166	1507840	25.60	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1730513	25.16	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.28	143	201911	21.10	ng/ul	0.00
58) Fluorene-d10	15.06	176	1299084	24.91	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.19	200	221175	20.32	ng/ul	0.00
71) Anthracene-d10	16.91	188	1909276	25.04	ng/ul	0.00
79) Pyrene-d10	19.22	212	2223475	27.81	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2299394	27.64	ng/ul	-0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.20	128	65014	1.068	ng/ul	96
50) Acenaphthene	14.12	153	86229	1.792	ng/ul	92
54) Dibenzofuran	14.46	168	139877	1.950	ng/ul	98
59) Fluorene	15.12	166	160377	2.713	ng/ul	99
70) Phenanthrene	16.85	178	1855878	20.381	ng/ul	100
72) Anthracene	16.94	178	376102	4.073	ng/ul	98
75) Carbazole	17.22	167	98567	1.281	ng/ul	98
77) Fluoranthene	18.88	202	2236974	20.012	ng/ul	99
80) Pyrene	19.24	202	1833223	17.328	ng/ul	99
83) Benzo(a)anthracene	21.00	228	1112611	10.334	ng/ul	99
85) Chrysene	21.06	228	962415	9.080	ng/ul	99
88) Benzo(b)fluoranthene	22.51	252	1120272	10.637	ng/ul	99
89) Benzo(k)fluoranthene	22.54	252	400260m	3.948	ng/ul	
91) Benzo(a)pyrene	23.03	252	748729	7.929	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.17	276	442695	3.766	ng/ul	97
93) Dibenzo(a,h)anthracene	25.17	278	142522	1.423	ng/ul#	91
94) Benzo(g,h,i)perylene	25.79	276	365616	3.740	ng/ul	99

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

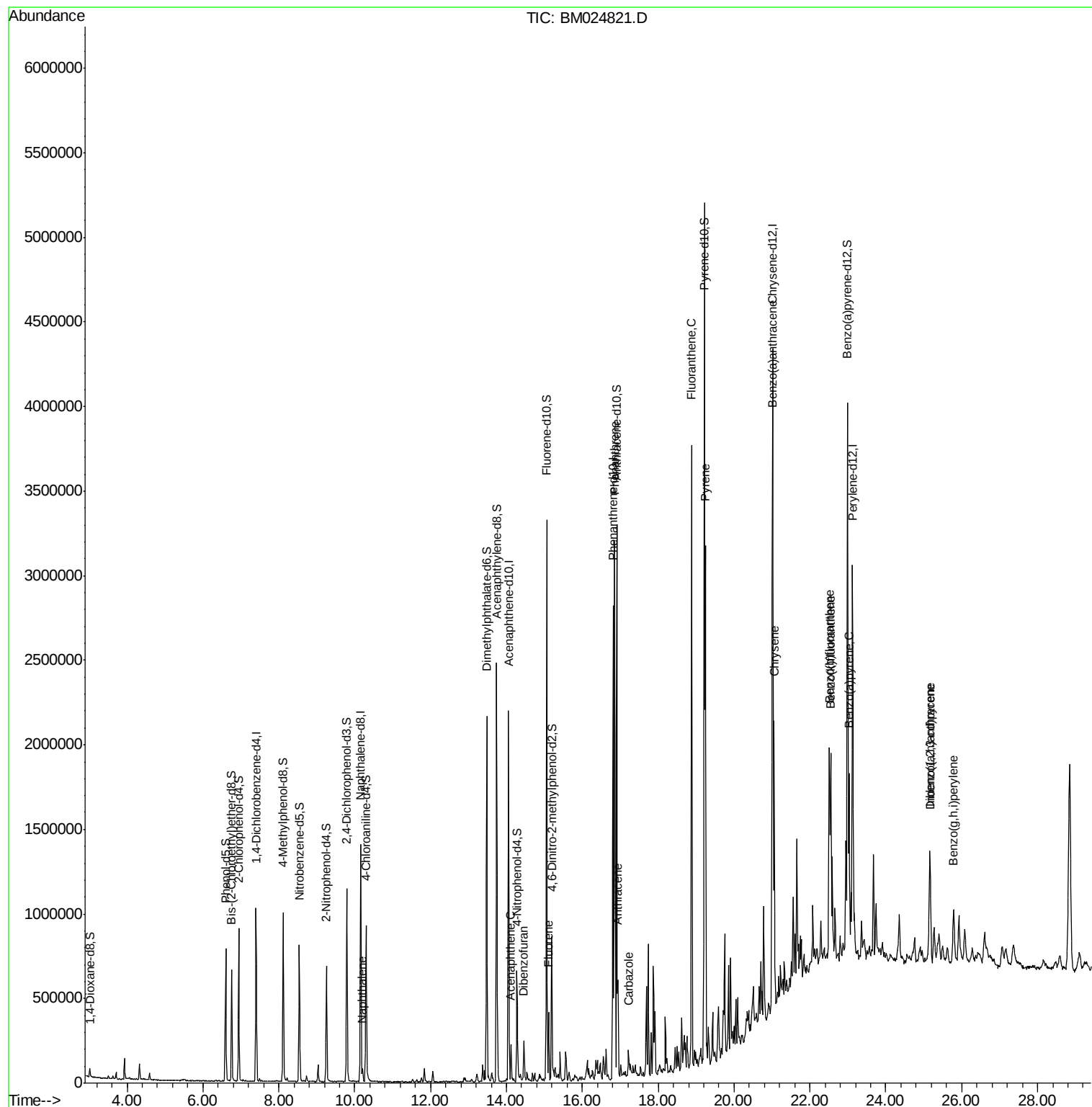
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021020\
Data File : BM024821.D
Acq On : 10 Feb 2020 22:53
Operator : CG/JU
Sample : L1402-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

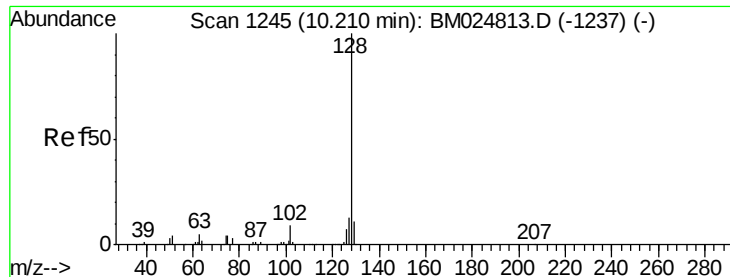
Instrument :
BNA_M
ClientSampleId :
CB6M2

Quant Time: Feb 11 04:41:55 2020
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Quant Title : SVOA CALIBRATION
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Manual Integrations
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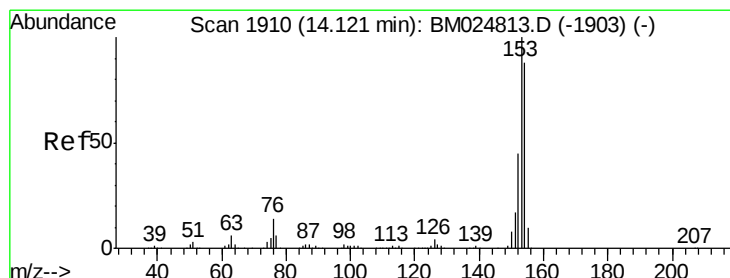
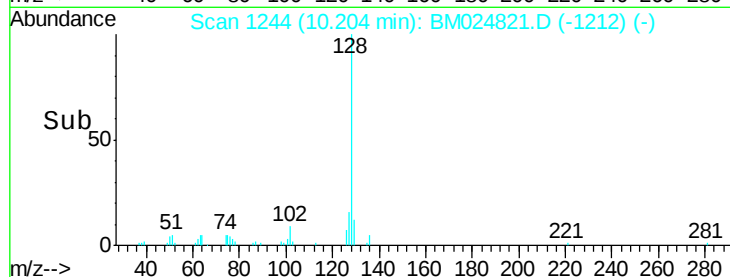
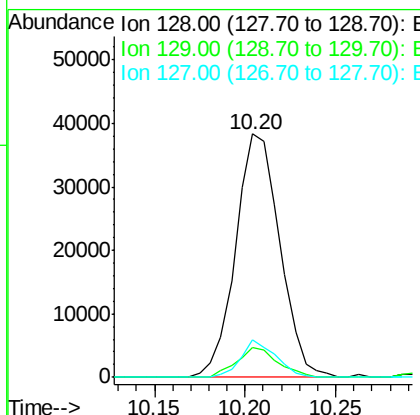
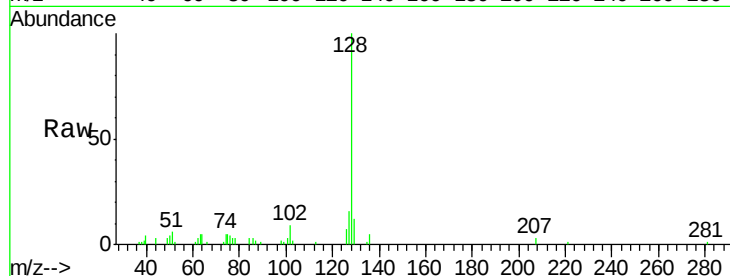
#28
Naphthalene
Concen: 1.068 ng/ul
RT: 10.20 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BM024821.D
Acq: 10 Feb 2020 22:53

Instrument :
BNA_M
ClientSampleId :
CB6M2

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.1	13.7
127	15.6	10.4	15.6

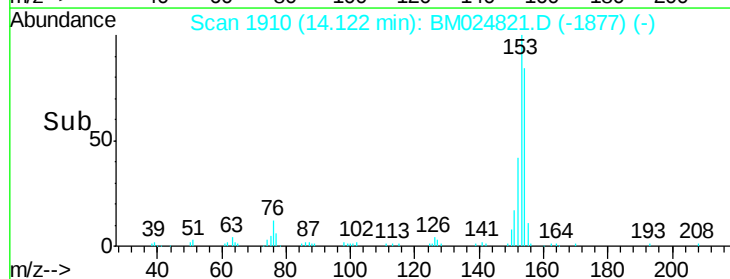
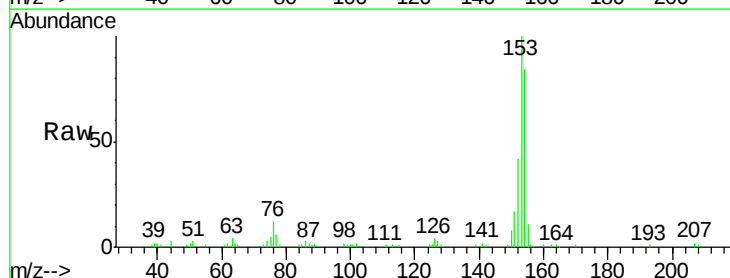
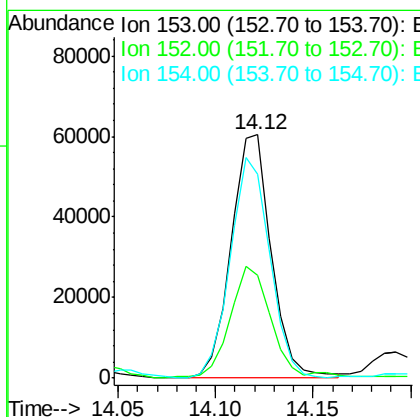
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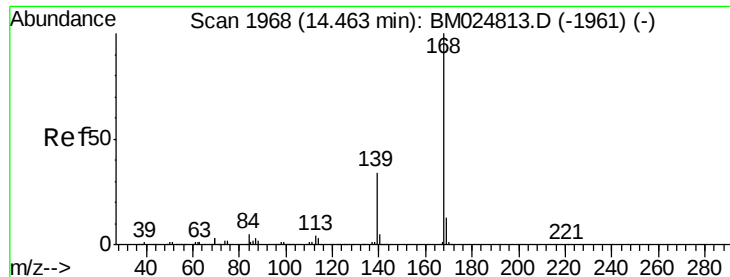
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#50
Acenaphthene
Concen: 1.792 ng/ul
RT: 14.12 min Scan# 1910
Delta R.T. -0.01 min
Lab File: BM024821.D
Acq: 10 Feb 2020 22:53

Tgt Ion	Ratio	Lower	Upper
153	100		
152	42.5	37.3	55.9
154	83.8	74.1	111.1





#54

Dibenzofuran

Concen: 1.950 ng/ul

RT: 14.46 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BM024821.D

Acq: 10 Feb 2020 22:53

Instrument :

BNA_M

ClientSampleId :

CB6M2

Tot Ion:168 Resp: 139877

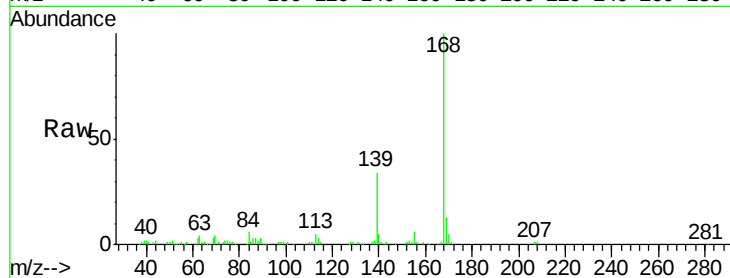
Ion Ratio Lower Upper

168 100

139 33.7 27.8 41.8

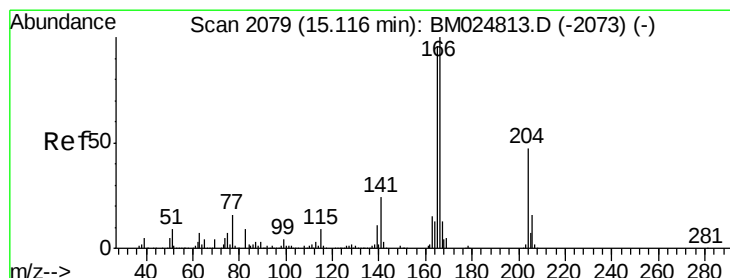
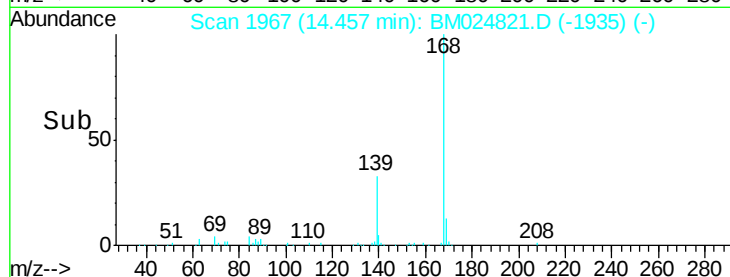
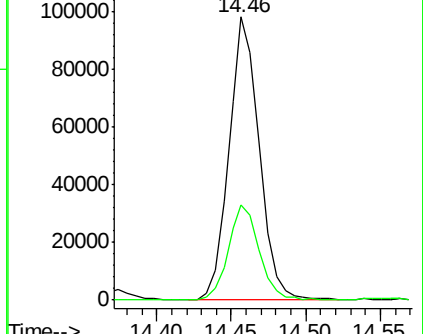
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 2.713 ng/ul

RT: 15.12 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BM024821.D

Acq: 10 Feb 2020 22:53

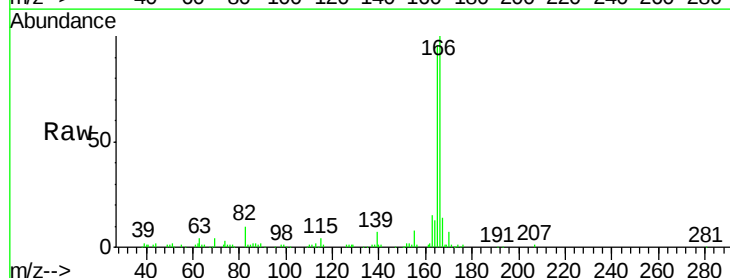
Tgt Ion:166 Resp: 160377

Ion Ratio Lower Upper

166 100

165 95.9 75.8 113.8

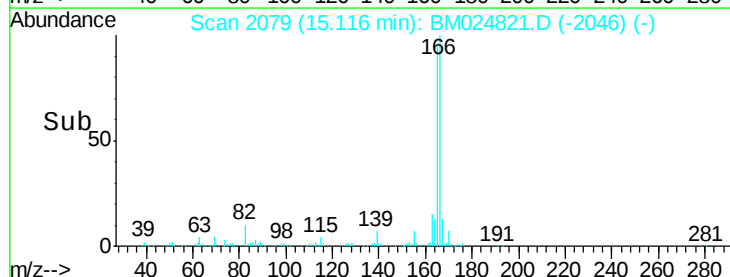
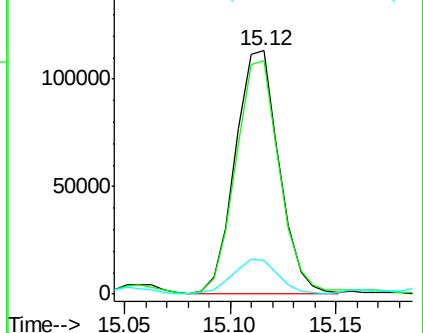
167 14.0 10.6 16.0

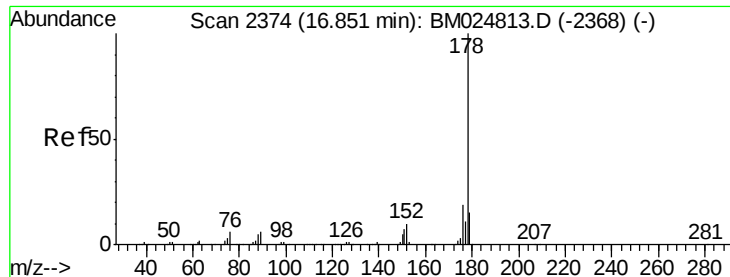


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





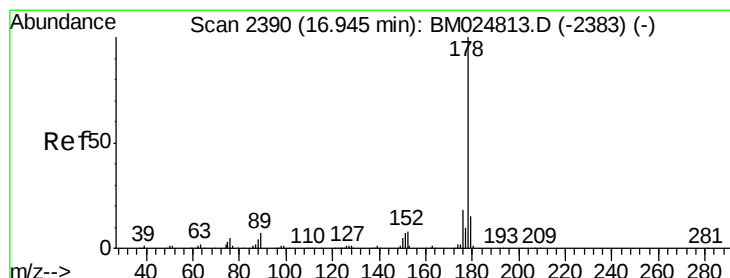
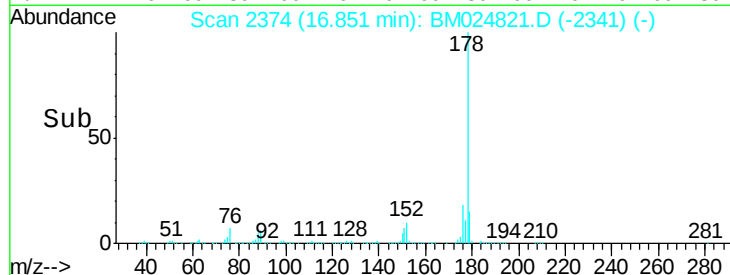
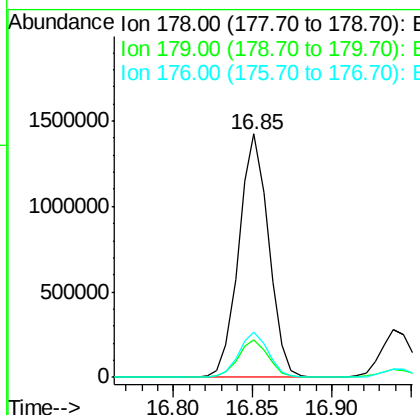
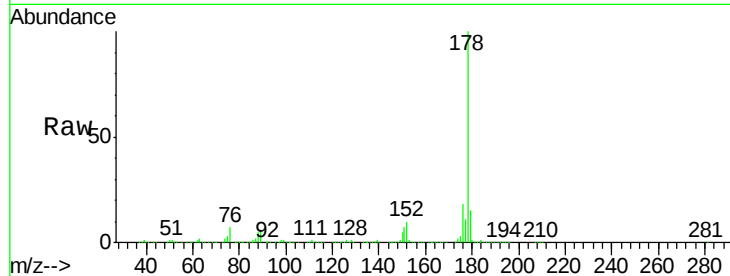
#70
Phenanthrene
Concen: 20.381 ng/ul
RT: 16.85 min Scan# 2374
Delta R.T. -0.01 min
Lab File: BM024821.D
Acq: 10 Feb 2020 22:53

Instrument :
BNA_M
ClientSampleId :
CB6M2

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	18.4	14.5	21.7

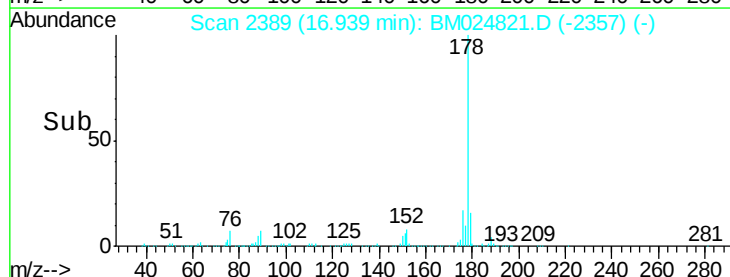
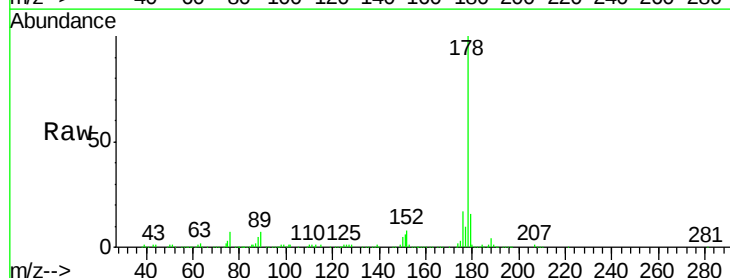
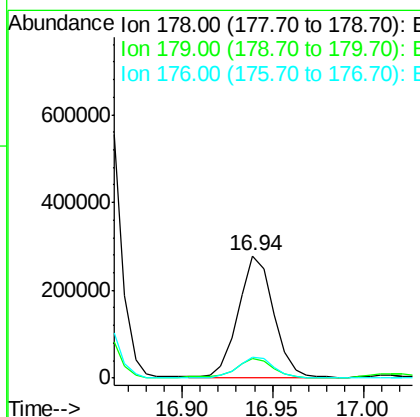
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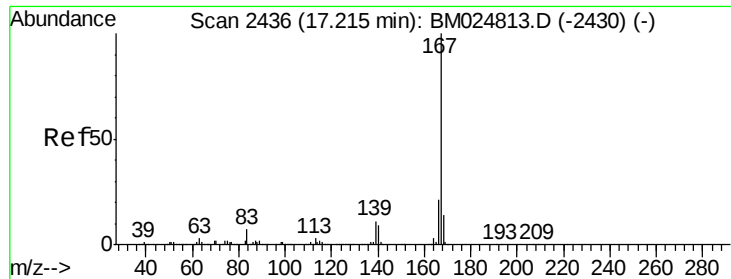
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#72
Anthracene
Concen: 4.073 ng/ul
RT: 16.94 min Scan# 2389
Delta R.T. -0.01 min
Lab File: BM024821.D
Acq: 10 Feb 2020 22:53

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	16.7	14.1	21.1





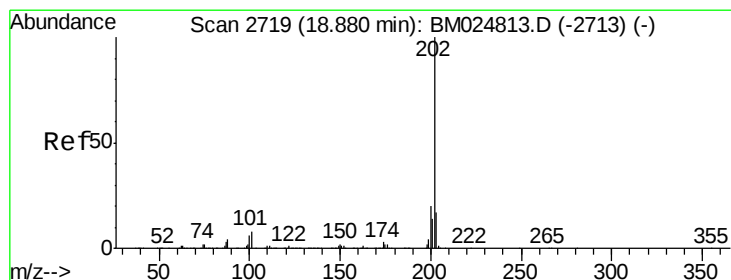
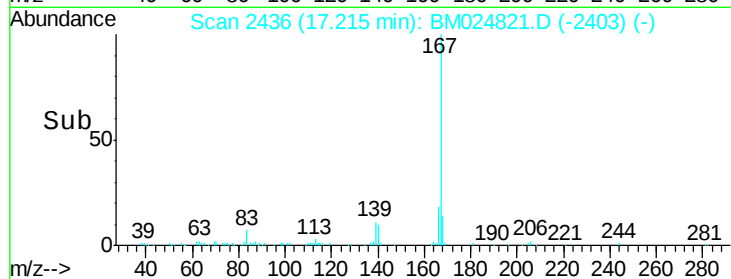
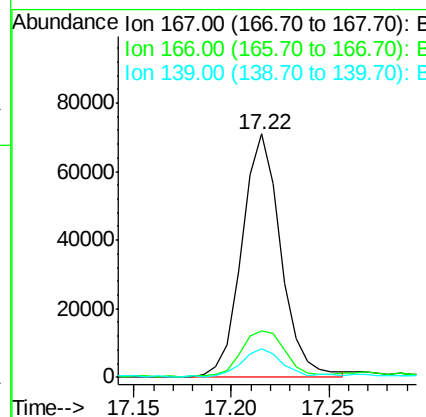
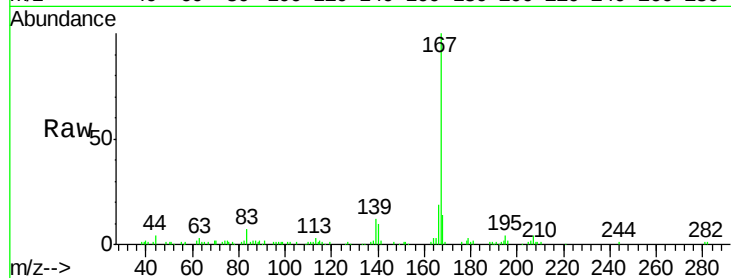
#75
 Carbazole
 Concen: 1.281 ng/ul
 RT: 17.22 min Scan# 2436
 Delta R.T. -0.01 min
 Lab File: BM024821.D
 Acq: 10 Feb 2020 22:53

Instrument :
 BNA_M
 ClientSampleId :
 CB6M2

Tot Ion	Ratio	Lower	Upper
167	100		
166	19.2	16.6	24.8
139	11.5	9.3	13.9

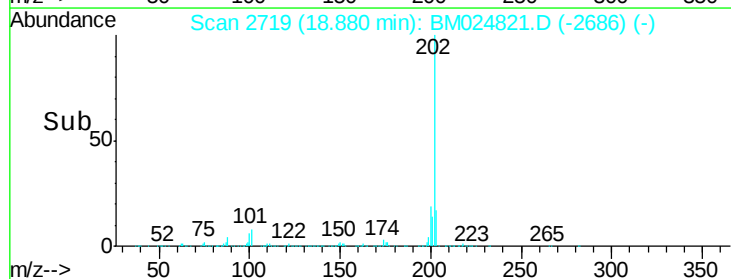
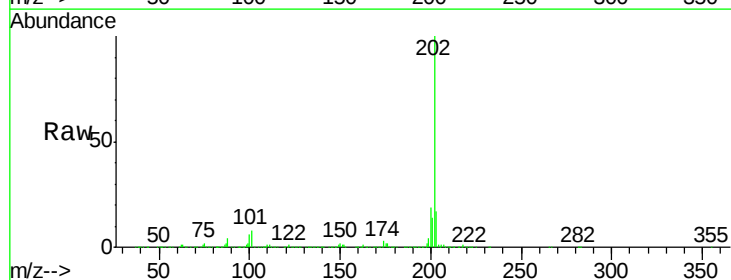
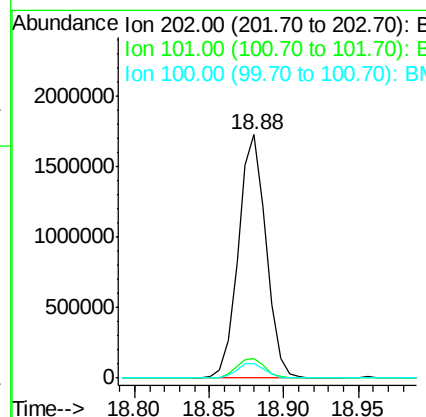
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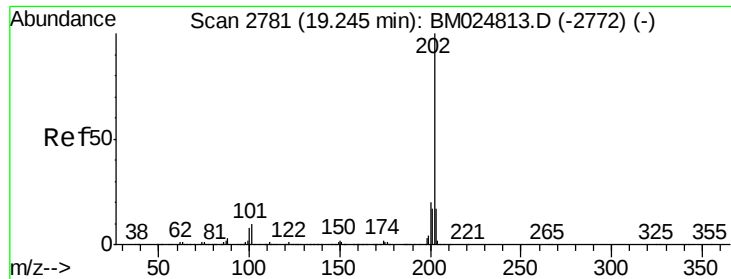
mohammad
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#77
 Fluoranthene
 Concen: 20.012 ng/ul
 RT: 18.88 min Scan# 2719
 Delta R.T. -0.01 min
 Lab File: BM024821.D
 Acq: 10 Feb 2020 22:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.1	9.1
100	6.1	4.8	7.2





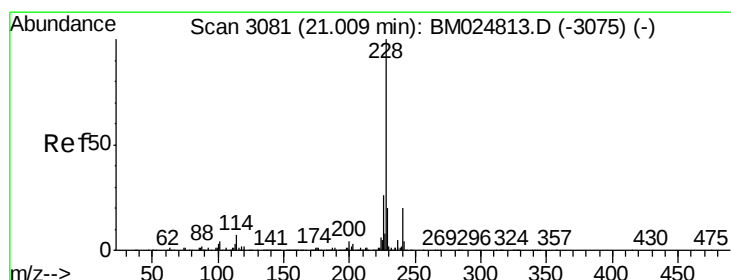
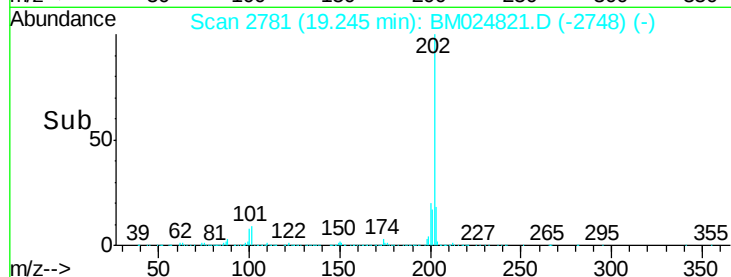
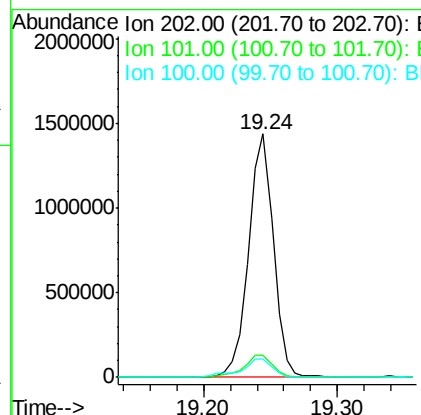
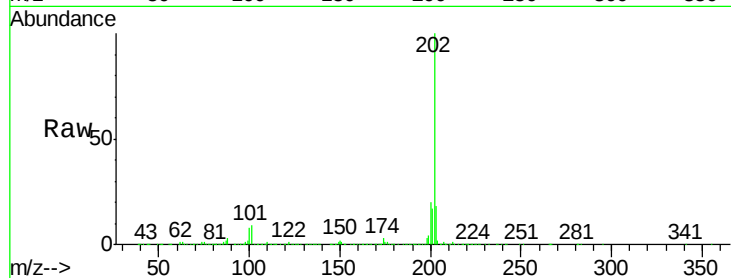
#80
Pvrene
Concen: 17.328 ng/ul
RT: 19.24 min Scan# 2781
Delta R.T. -0.01 min
Lab File: BM024821.D
Acq: 10 Feb 2020 22:53

Instrument :
BNA_M
ClientSampleId :
CB6M2

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.0	10.4
100	7.5	5.8	8.8

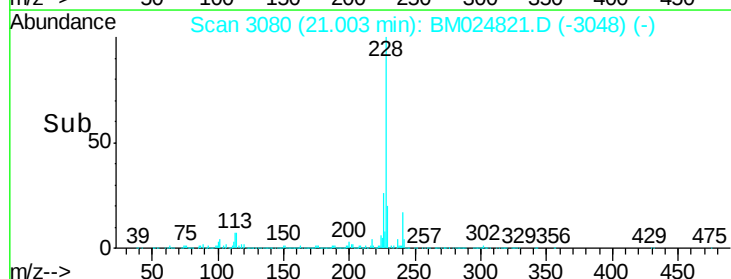
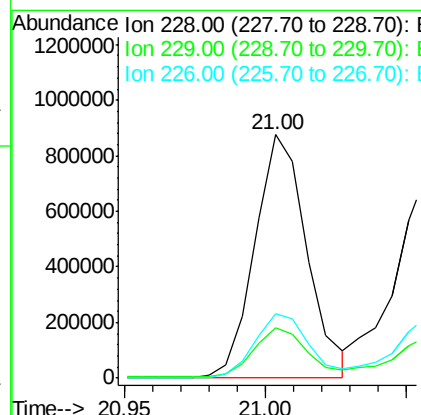
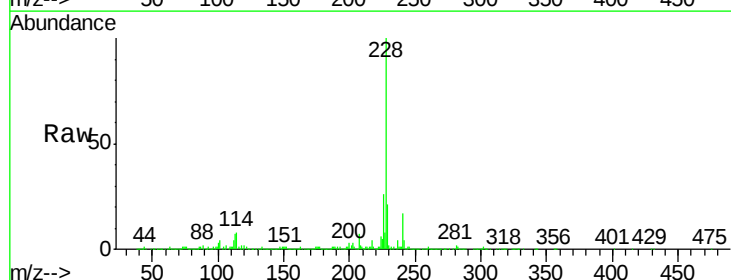
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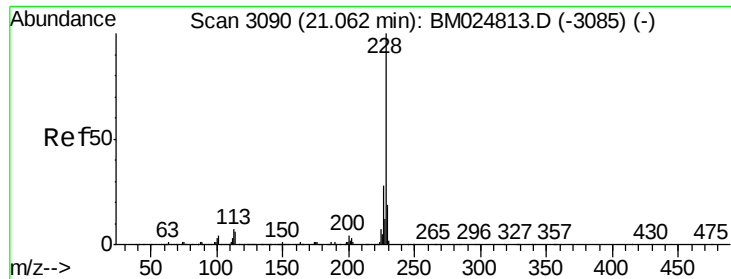
mohammad
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#83
Benzo(a)anthracene
Concen: 10.334 ng/ul
RT: 21.00 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM024821.D
Acq: 10 Feb 2020 22:53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.9	23.9
226	26.3	20.8	31.2





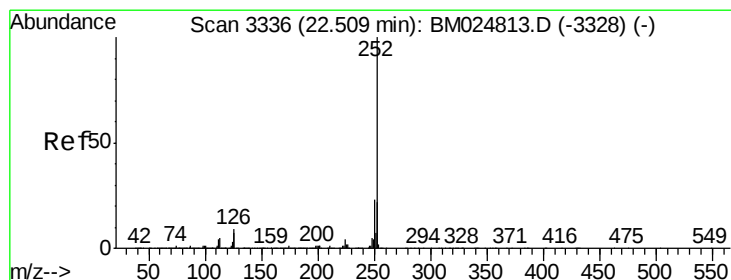
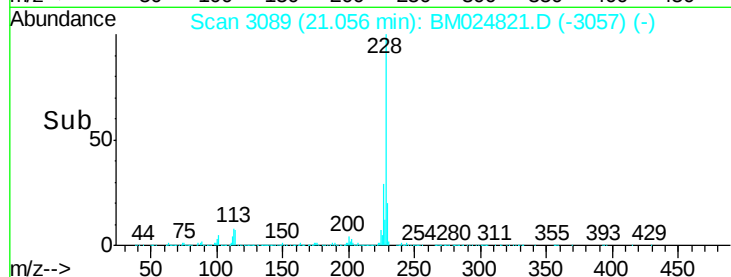
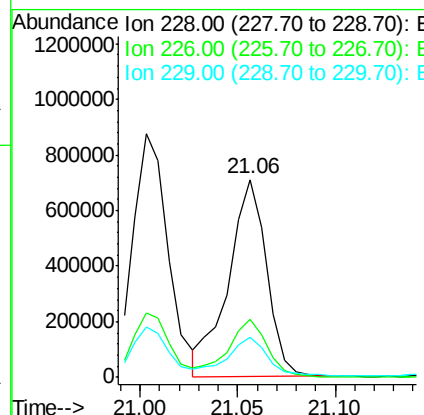
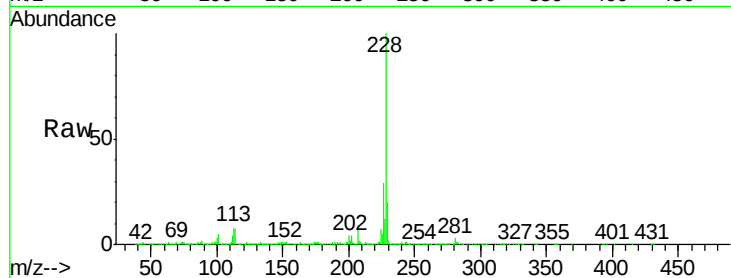
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 Chrysene
 Concen: 9.080 ng/ul
 RT: 21.06 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BM024821.D
 Acq: 10 Feb 2020 22:53

Instrument :
 BNA_M
 ClientSampled :
 CB6M2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.0	34.4
229	20.1	15.8	23.8

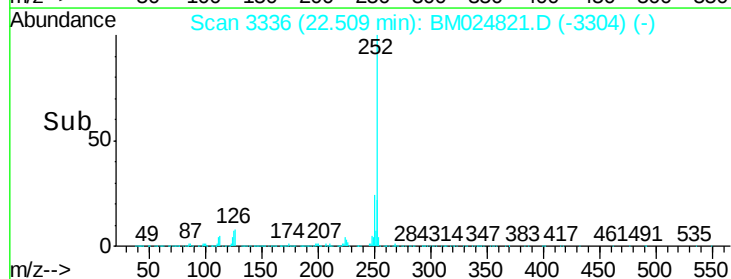
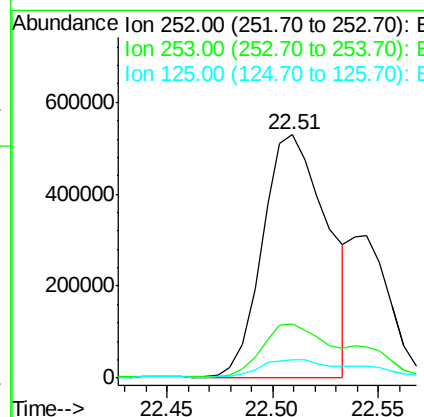
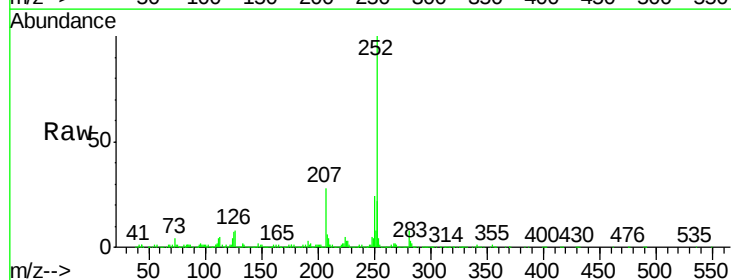
Manual Integrations
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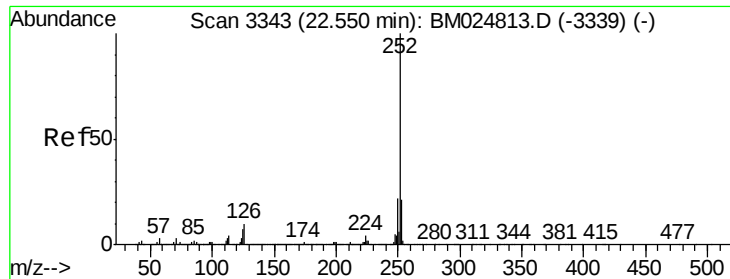
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#88
 Benzo(b)fluoranthene
 Concen: 10.637 ng/ul
 RT: 22.51 min Scan# 3336
 Delta R.T. -0.01 min
 Lab File: BM024821.D
 Acq: 10 Feb 2020 22:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	7.3	5.1	7.7





#89

Benzo(k)fluoranthene

Concen: 3.948 ng/ul m

RT: 22.54 min Scan# 3342

Delta R.T. -0.02 min

Lab File: BM024821.D

Acq: 10 Feb 2020 22:53

Instrument :

BNA_M

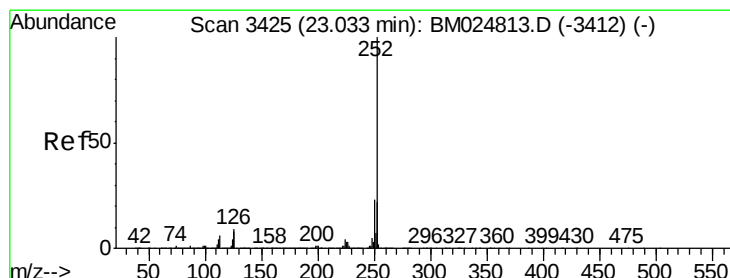
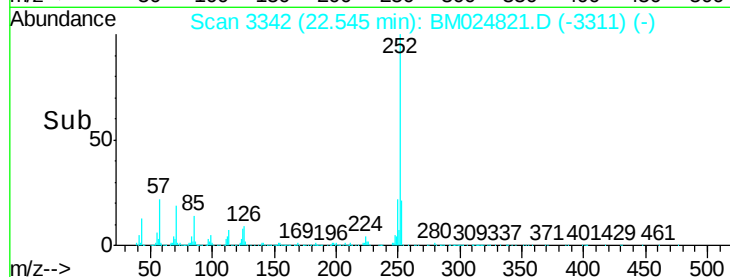
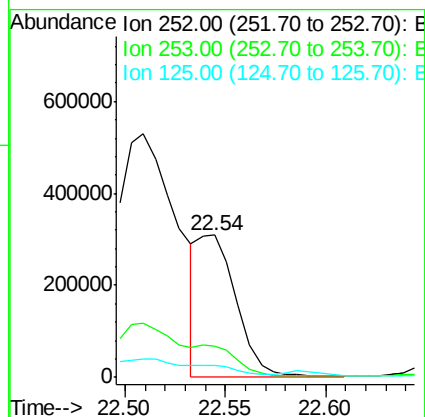
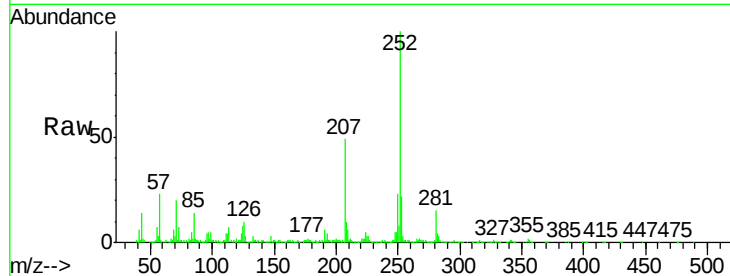
ClientSampleId :

CB6M2

Tot Ion:	252	Resp:	400260
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.0
125	8.5	5.1	7.7#

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#91

Benzo(a)pyrene

Concen: 7.929 ng/ul

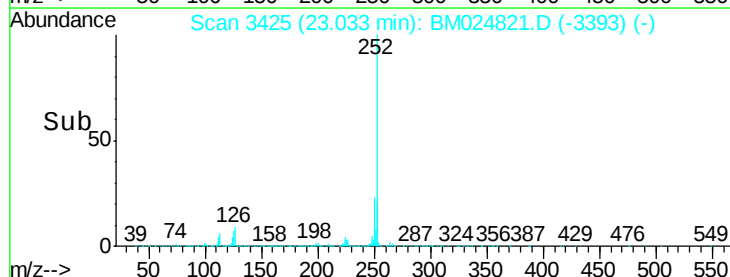
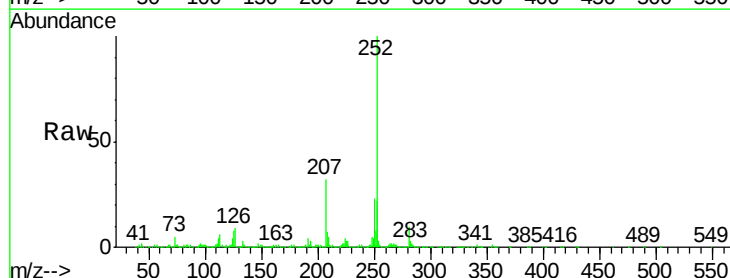
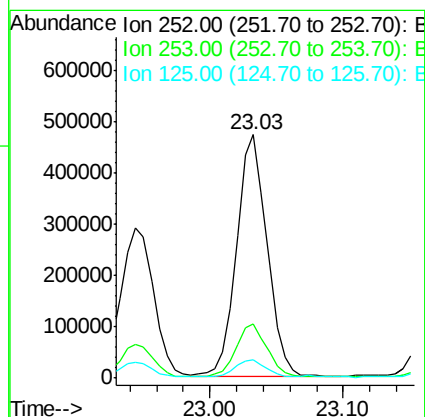
RT: 23.03 min Scan# 3425

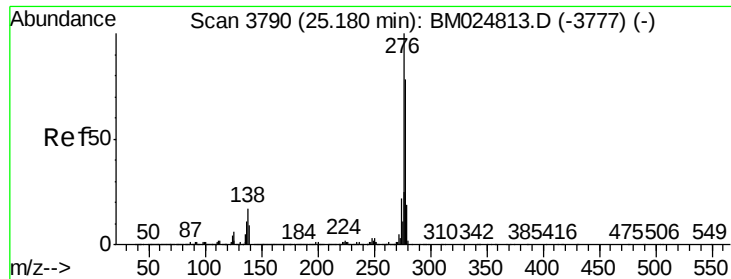
Delta R.T. -0.01 min

Lab File: BM024821.D

Acq: 10 Feb 2020 22:53

Tgt Ion:	252	Resp:	748729
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.5	26.3
125	7.7	5.6	8.4





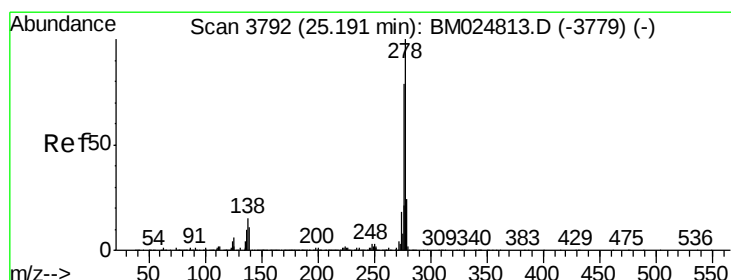
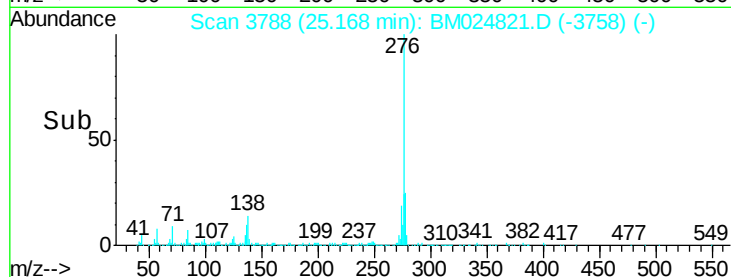
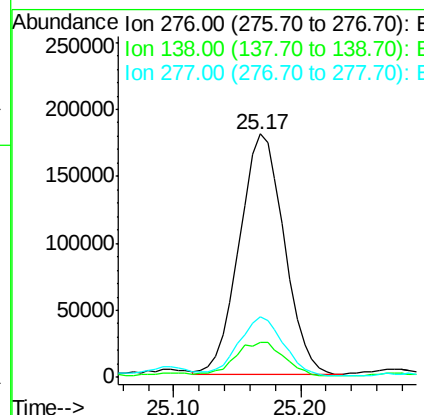
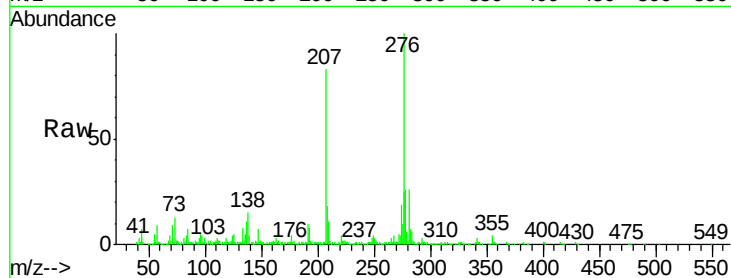
#92
Indeno(1,2,3-cd)pyrene
Concen: 3.766 ng/ul
RT: 25.17 min Scan# 3788
Delta R.T. -0.02 min
Lab File: BM024821.D
Acq: 10 Feb 2020 22:53

Instrument :
BNA_M
ClientSampleId :
CB6M2

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.5	12.8	19.2
277	25.0	19.3	28.9

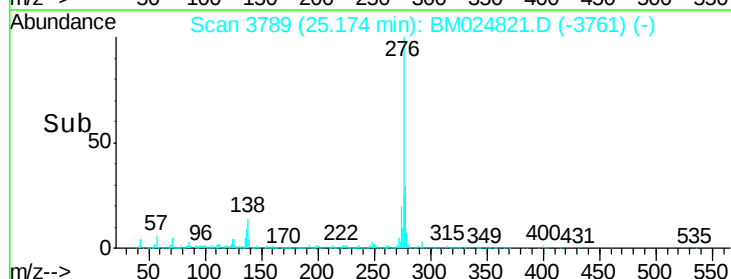
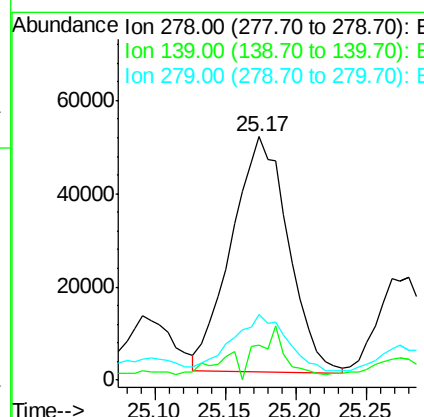
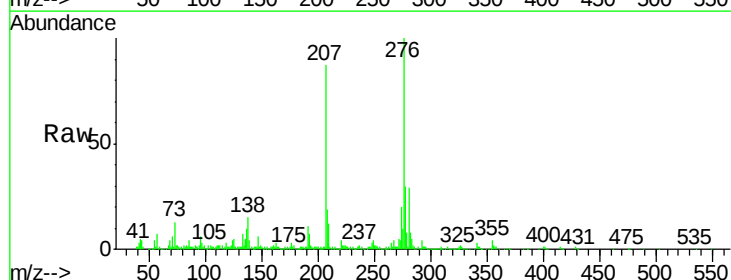
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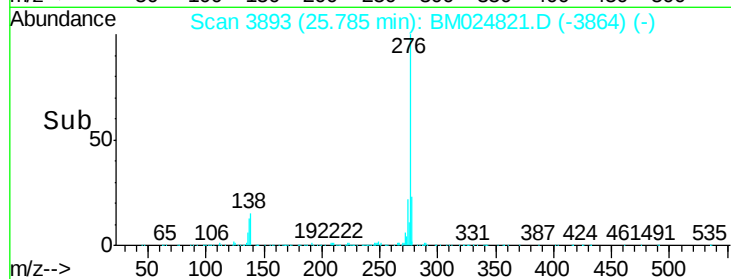
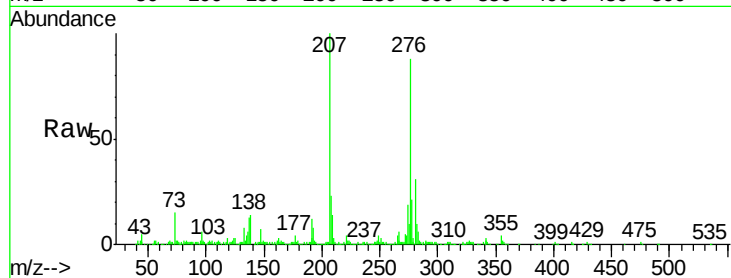
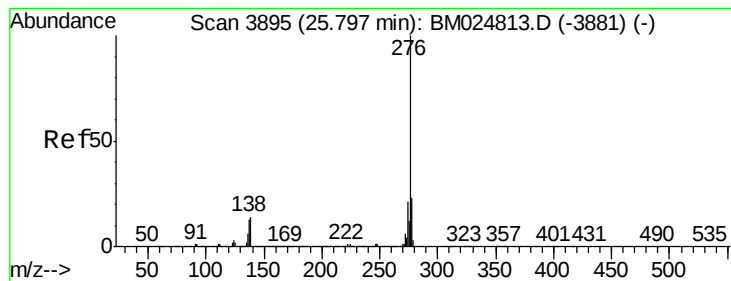
mohammad
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#93
Dibenzo(a,h)anthracene
Concen: 1.423 ng/ul
RT: 25.17 min Scan# 3789
Delta R.T. -0.04 min
Lab File: BM024821.D
Acq: 10 Feb 2020 22:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.6	8.4	12.6#
279	26.9	18.5	27.7





#94

Benzo(a,h,i)perylene

Concen: 3.740 ng/ul

RT: 25.79 min Scan# 3893

Delta R.T. -0.03 min

Lab File: BM024821.D

Acq: 10 Feb 2020 22:53

Instrument :

BNA_M

ClientSampleId :

CB6M2

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.3	11.8	17.6
277	24.2	19.0	28.6

Manual Integrations
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