

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
 Data File : BM024742.D
 Acq On : 06 Feb 2020 23:51
 Operator : CG/JU
 Sample : L1398-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 CB6E2

Manual Integrations
 APPROVED

mohammad
 2/10/2020 8:22:01 AM

Quant Time: Feb 07 01:13:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 06 16:50:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	303951	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	1203911	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	804776	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.82	188	1702101	20.00	ng/ul	0.00
78) Chrysene-d12	21.03	240	1539797	20.00	ng/ul	0.00
86) Perylene-d12	23.13	264	1731565	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	20225	3.20	ng/uL	0.00
5) Phenol-d5	6.60	99	350810	17.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.76	67	208873	18.32	ng/ul	0.00
9) 2-Chlorophenol-d4	6.95	132	323794	17.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	296970	17.43	ng/ul	0.00
19) Nitrobenzene-d5	8.55	128	159004	18.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.26	143	192002	18.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.80	165	366204	17.65	ng/ul	0.00
29) 4-Chloroaniline-d4	10.31	131	404838	20.86	ng/ul	0.00
44) Dimethylphthalate-d6	13.49	166	1190433	19.60	ng/ul	0.00
47) Acenaphthylene-d8	13.75	160	1386342	19.54	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	151178	15.32	ng/ul	0.00
58) Fluorene-d10	15.06	176	1043068	19.39	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.20	200	183867	16.57	ng/ul	0.00
71) Anthracene-d10	16.92	188	1593115	20.50	ng/ul	0.00
79) Pyrene-d10	19.22	212	1755945	22.80	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.00	264	1834528	21.09	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.22	128	210356	3.420	ng/ul	99
34) 2-Methylnaphthalene	11.84	142	131959	2.912	ng/ul	99
45) Dimethylphthalate	13.53	163	127707	2.015	ng/ul#	98
48) Acenaphthylene	13.77	152	108688	1.479	ng/ul#	95
50) Acenaphthene	14.13	153	297736	6.000	ng/ul	98
54) Dibenzofuran	14.46	168	221982	3.001	ng/ul	100
59) Fluorene	15.12	166	333375	5.468	ng/ul	97
70) Phenanthrene	16.86	178	5080953	54.748	ng/ul	99
72) Anthracene	16.95	178	1065573	11.321	ng/ul	99
75) Carbazole	17.22	167	283059	3.610	ng/ul	99
77) Fluoranthene	18.89	202	5441708	47.764	ng/ul	99
80) Pyrene	19.26	202	5197157	50.991	ng/ul	100
83) Benzo(a)anthracene	21.02	228	2654318	25.591	ng/ul	97
85) Chrysene	21.07	228	2680150	26.247	ng/ul	99
88) Benzo(b)fluoranthene	22.52	252	2797104	25.403	ng/ul	97
89) Benzo(k)fluoranthene	22.56	252	926591m	8.743	ng/ul	
91) Benzo(a)pyrene	23.04	252	1974163	19.999	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.19	276	1252447	10.191	ng/ul	98
93) Dibenzo(a,h)anthracene	25.20	278	387791	3.703	ng/ul#	91
94) Benzo(g,h,i)perylene	25.81	276	1147772	11.229	ng/ul	99

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

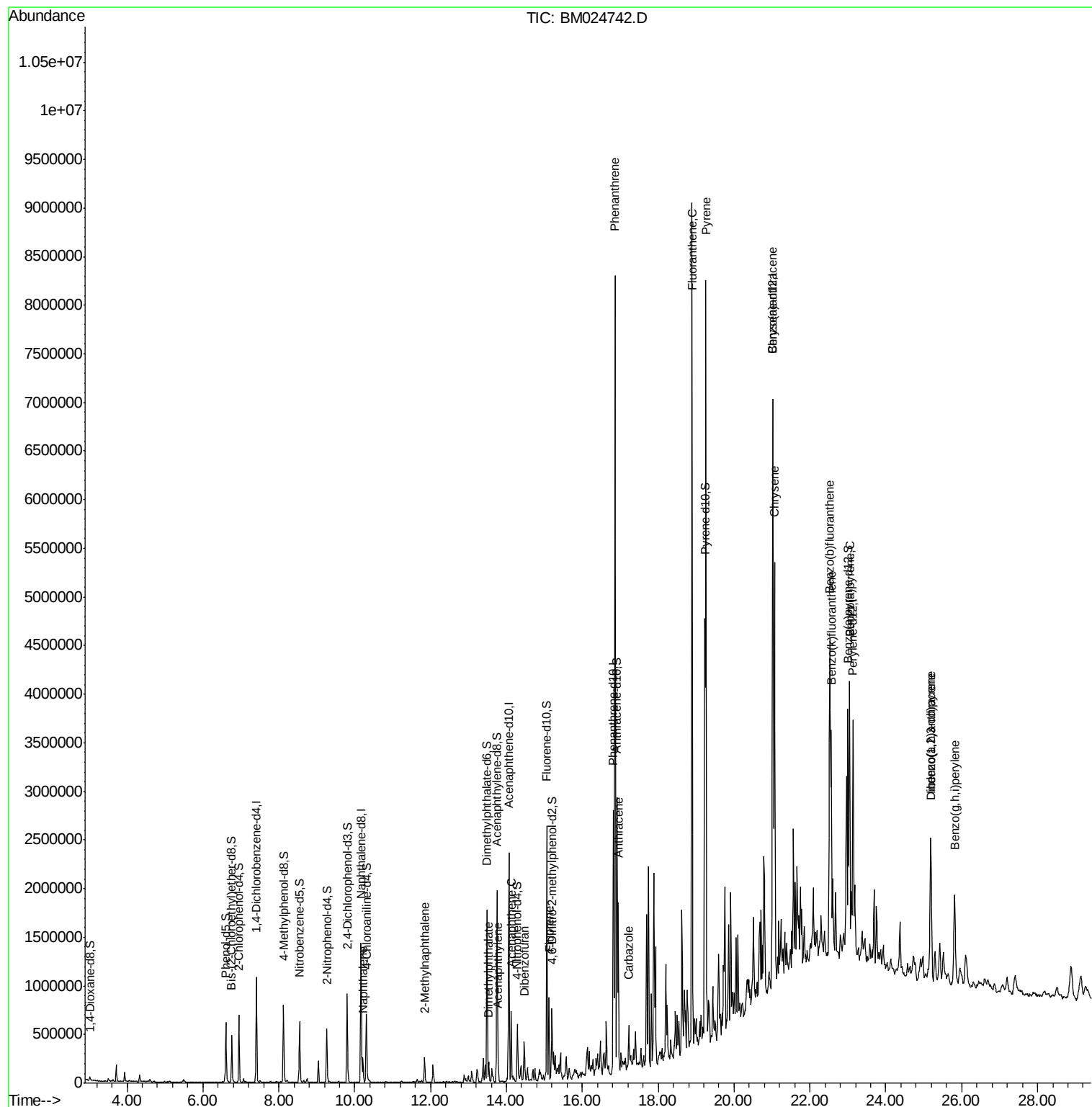
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
Data File : BM024742.D
Acq On : 06 Feb 2020 23:51
Operator : CG/JU
Sample : L1398-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

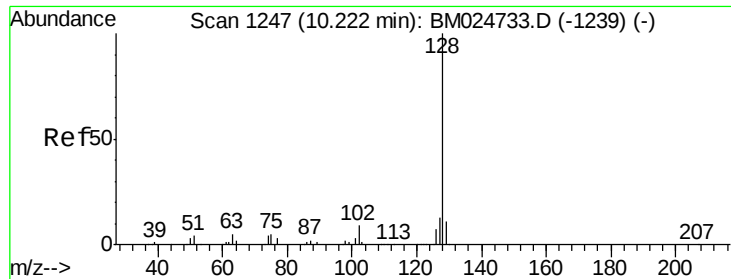
Instrument :
BNA_M
ClientSampleId :
CB6E2

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Quant Time: Feb 07 01:13:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 06 16:50:23 2020
Response via : Initial Calibration





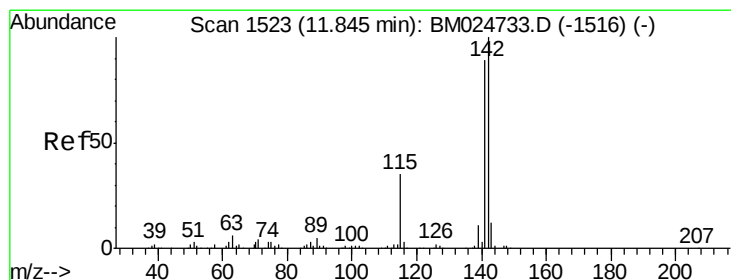
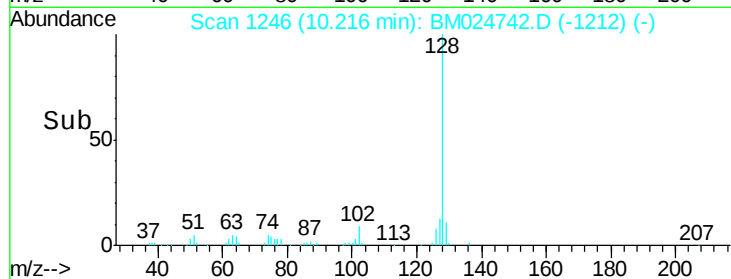
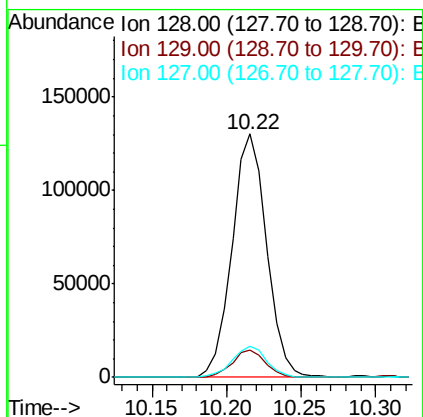
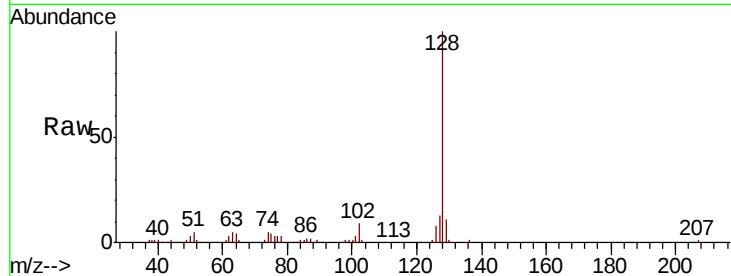
#28
Naphthalene
Concen: 3.420 ng/ul
RT: 10.22 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Instrument :
BNA_M
ClientSampleId :
CB6E2

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.1	13.7
127	12.6	10.4	15.6

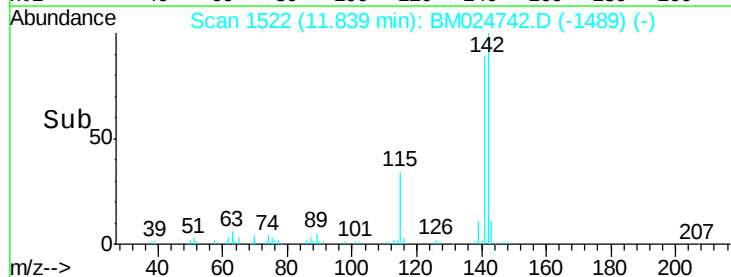
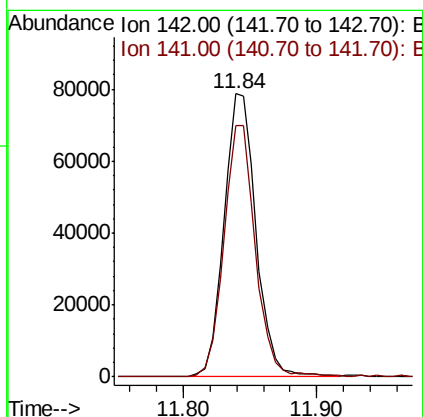
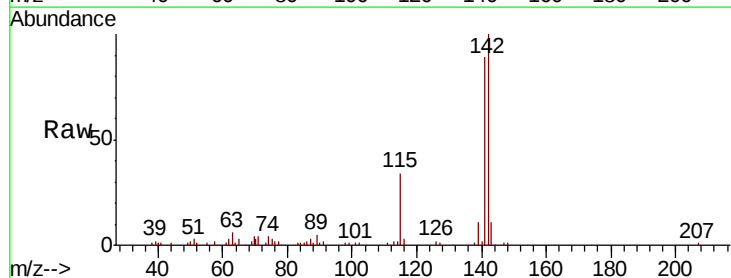
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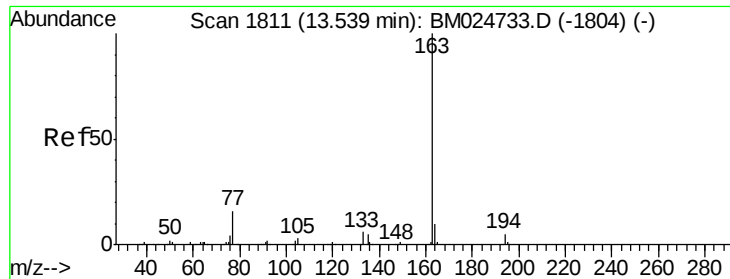
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#34
2-Methylnaphthalene
Concen: 2.912 ng/ul
RT: 11.84 min Scan# 1522
Delta R.T. -0.01 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.5	105.7





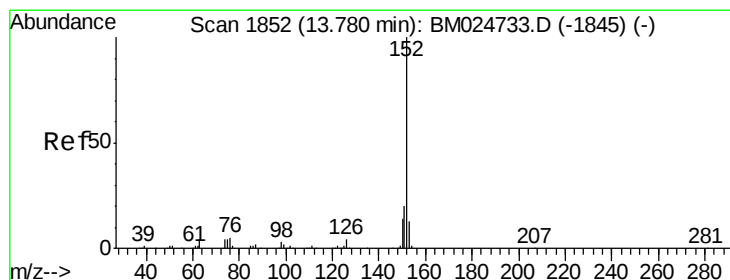
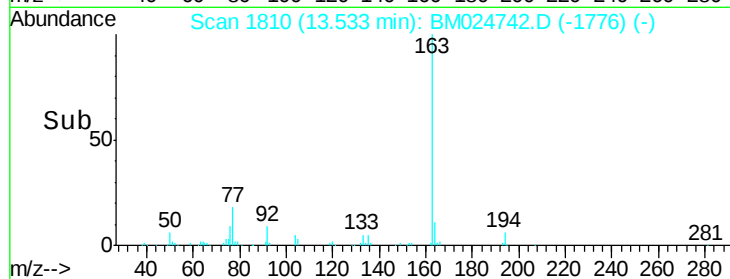
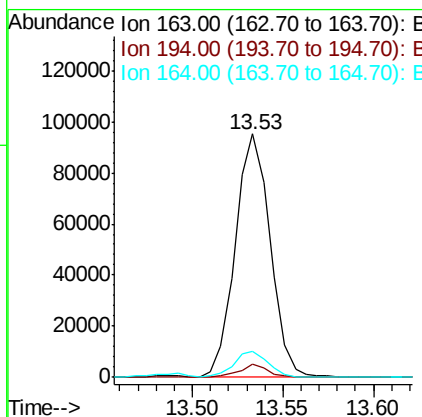
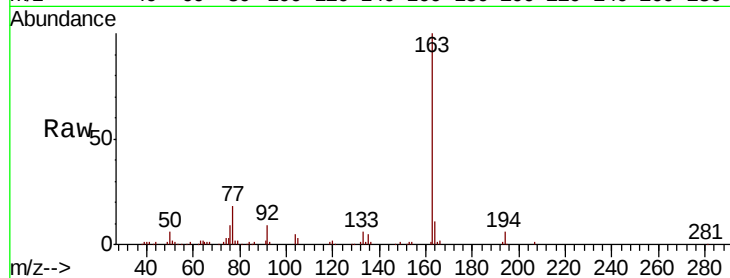
#45
Dimethylphthalate
Concen: 2.015 ng/ul
RT: 13.53 min Scan# 1810
Delta R.T. 0.00 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Instrument :
BNA_M
ClientSampleId :
CB6E2

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.5	5.3#
164	10.6	8.2	12.2

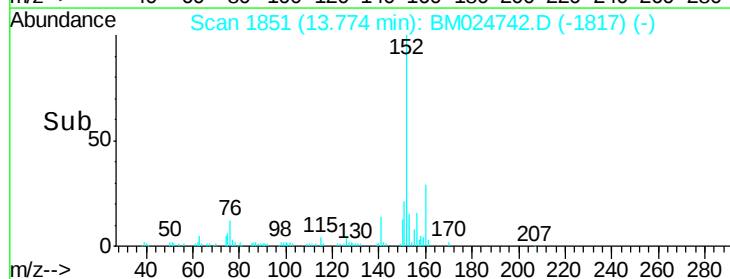
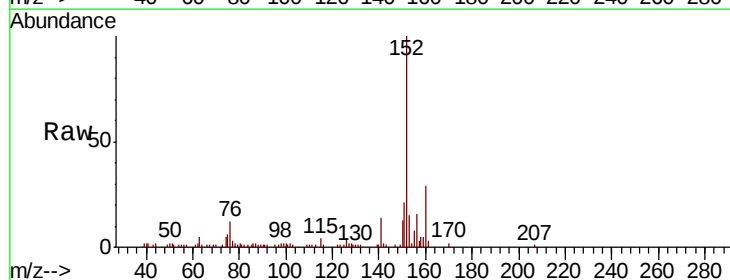
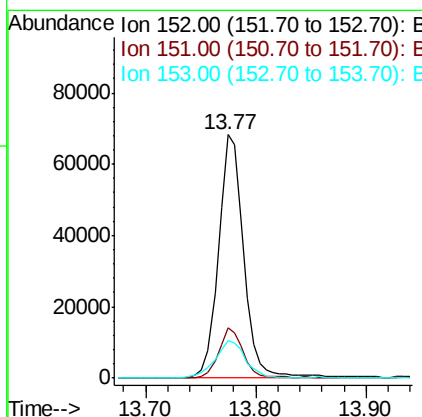
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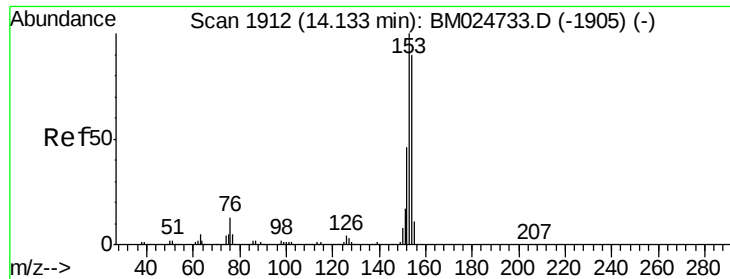
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#48
Acenaphthylene
Concen: 1.479 ng/ul
RT: 13.77 min Scan# 1851
Delta R.T. 0.00 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.1	22.7
153	15.5	10.1	15.1#





#50

Acenaphthene

Concen: 6.000 ng/ul

RT: 14.13 min Scan# 1911

Delta R.T. 0.00 min

Lab File: BM024742.D

Acq: 06 Feb 2020 23:51

Instrument :

BNA_M

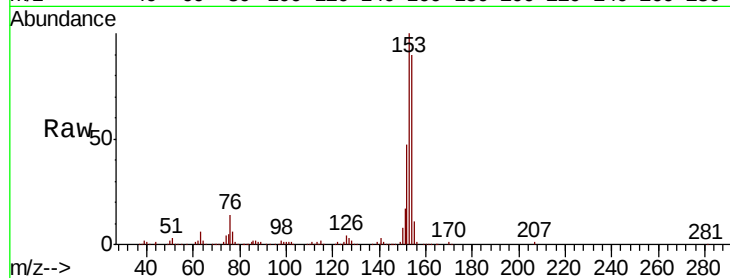
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CB6E2

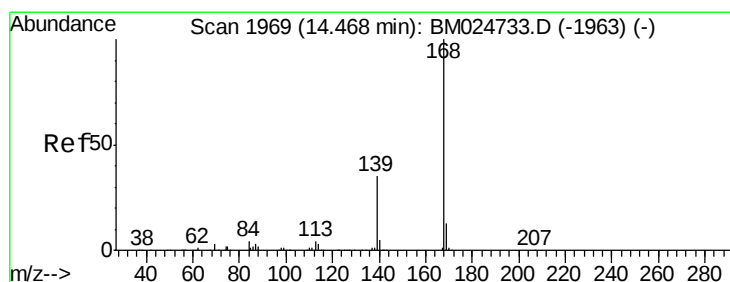
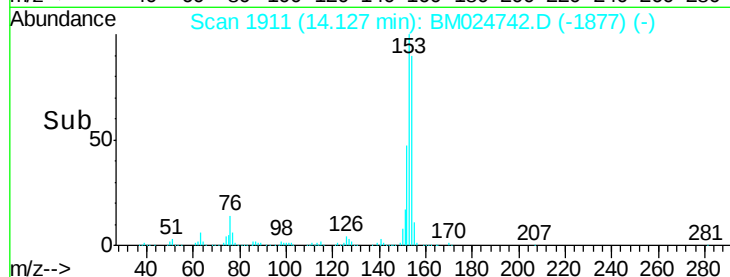
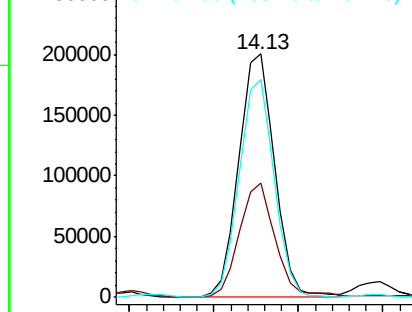
Tot Ion:	153	Resp:	297736
Ion Ratio	Lower	Upper	
153	100		
152	47.1	37.3	55.9
154	89.5	74.1	111.1

Manual Integrations
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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: 3.001 ng/ul

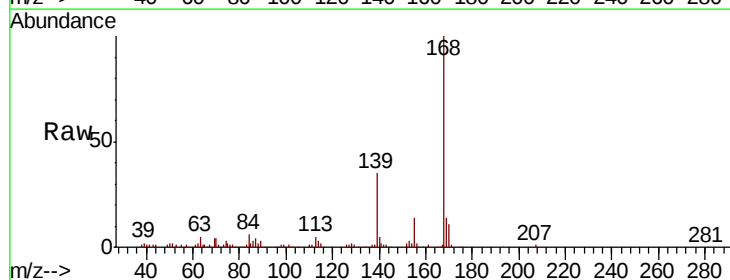
RT: 14.46 min Scan# 1968

Delta R.T. -0.01 min

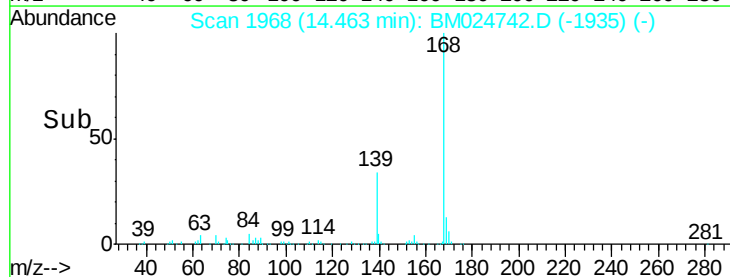
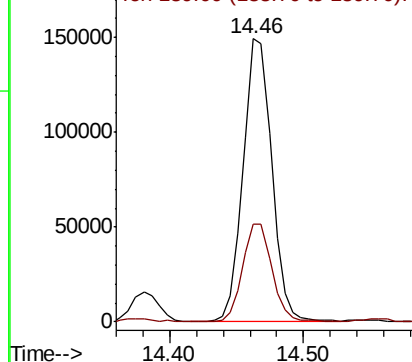
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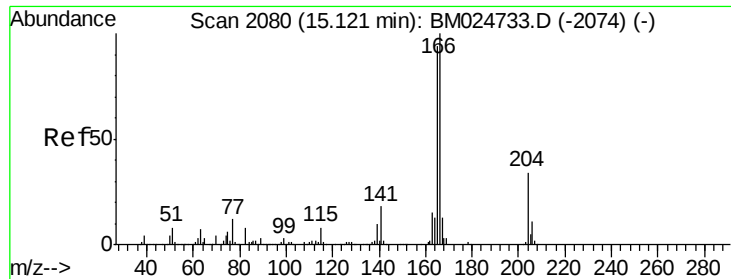
Acq: 06 Feb 2020 23:51

Tgt Ion:	168	Resp:	221982
Ion Ratio	Lower	Upper	
168	100		
139	34.7	27.8	41.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





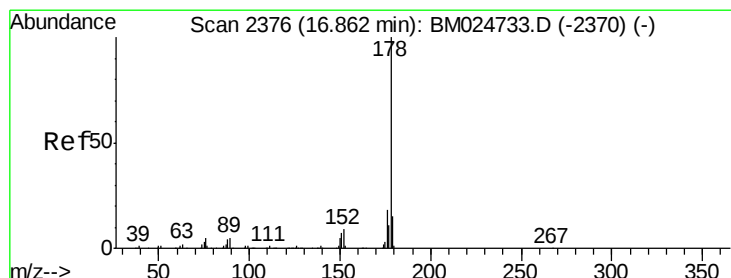
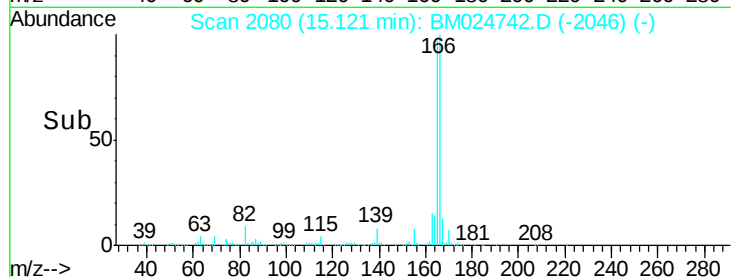
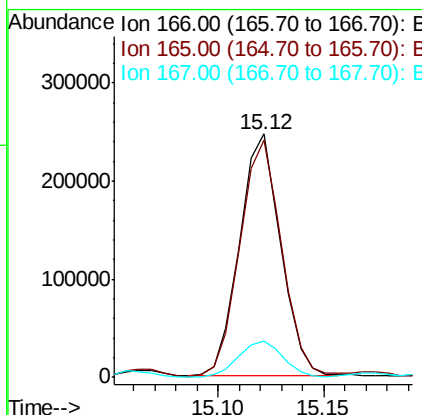
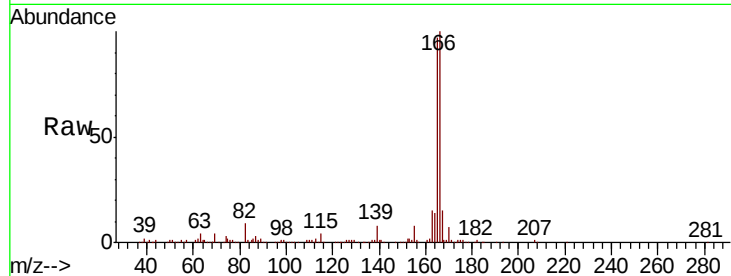
#59
Fluorene
 Concen: 5.468 ng/ul
 RT: 15.12 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: BM024742.D
 Acq: 06 Feb 2020 23:51

Instrument :
 BNA_M
 ClientSampleId :
 CB6E2

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.5	75.8	113.8
167	14.9	10.6	16.0

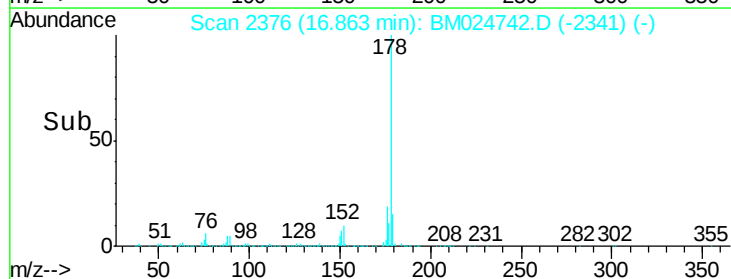
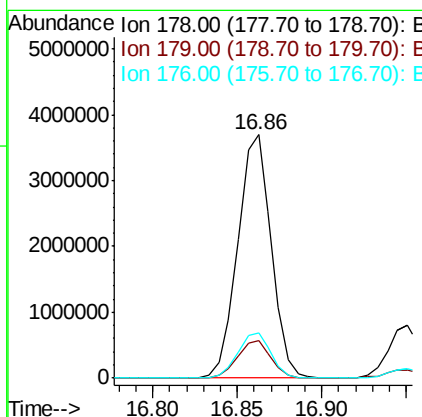
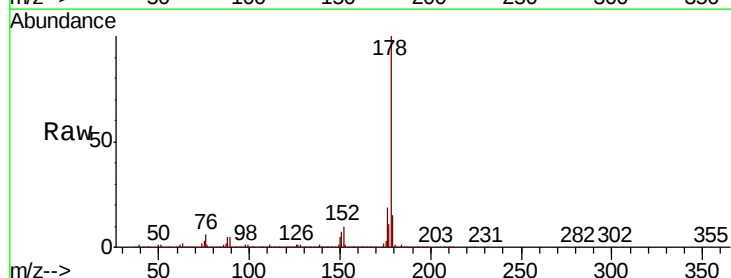
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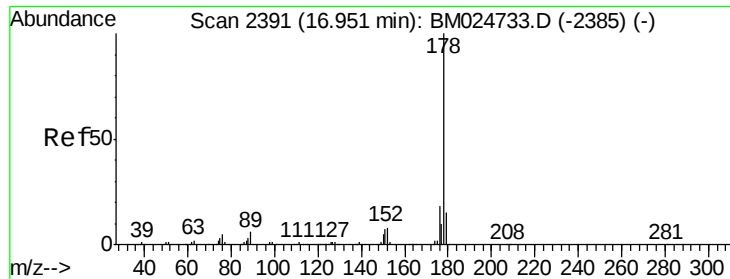
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#70
Phenanthrene
 Concen: 54.748 ng/ul
 RT: 16.86 min Scan# 2376
 Delta R.T. 0.01 min
 Lab File: BM024742.D
 Acq: 06 Feb 2020 23:51

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	18.7	14.5	21.7





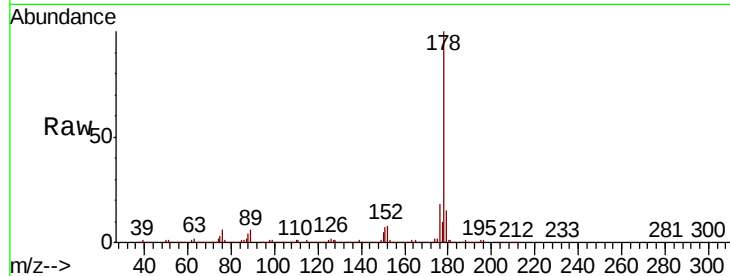
#72
 Anthracene
 Concen: 11.321 ng/ul
 RT: 16.95 min Scan# 2391
 Delta R.T. 0.00 min
 Lab File: BM024742.D
 Acq: 06 Feb 2020 23:51

Instrument :
 BNA_M
 ClientSampleId :
 CB6E2

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.3	18.5
176	18.0	14.1	21.1

Manual Integrations
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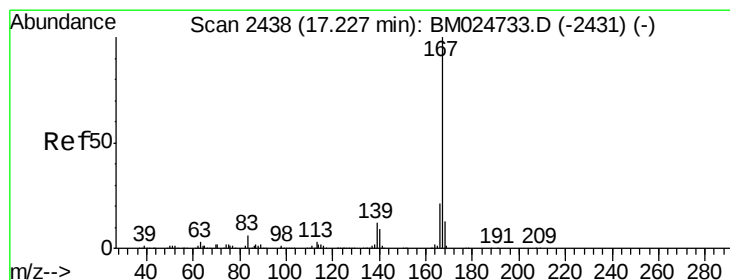
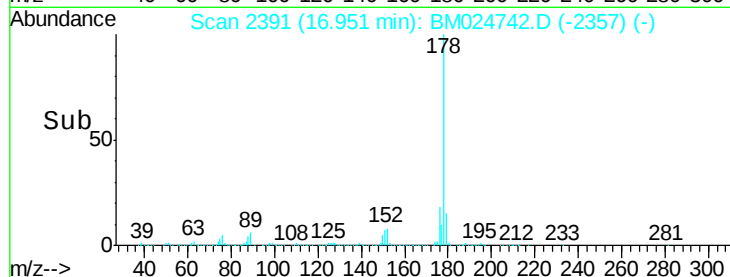
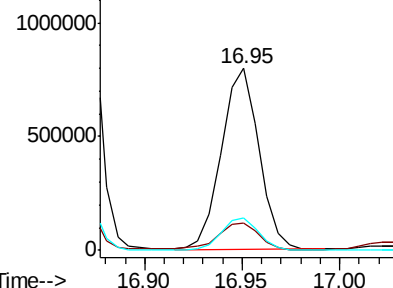


Abundance

Ion 178.00 (177.70 to 178.70): E

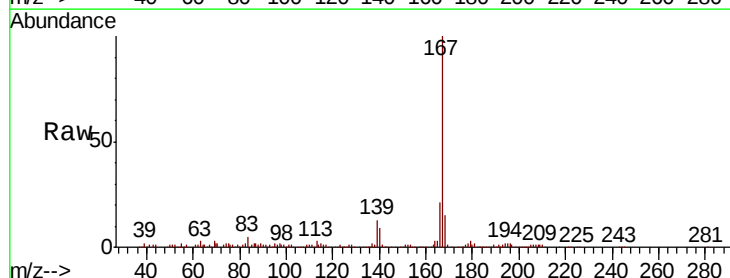
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75
 Carbazole
 Concen: 3.610 ng/ul
 RT: 17.22 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: BM024742.D
 Acq: 06 Feb 2020 23:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	16.6	24.8
139	12.5	9.3	13.9

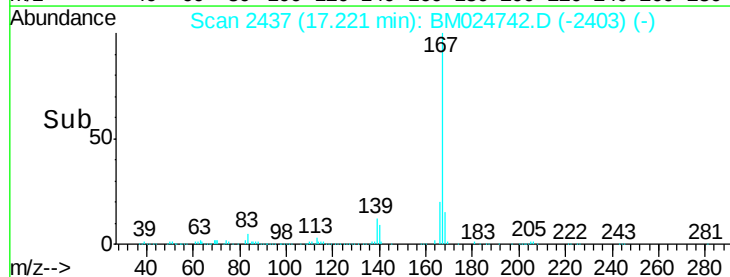
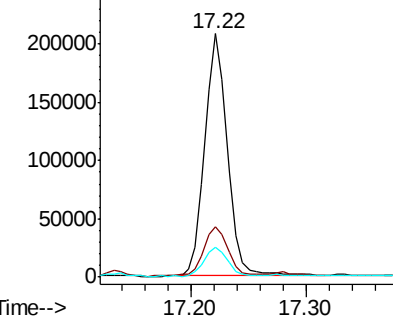


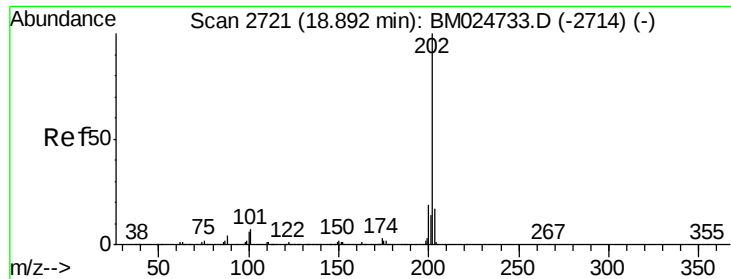
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





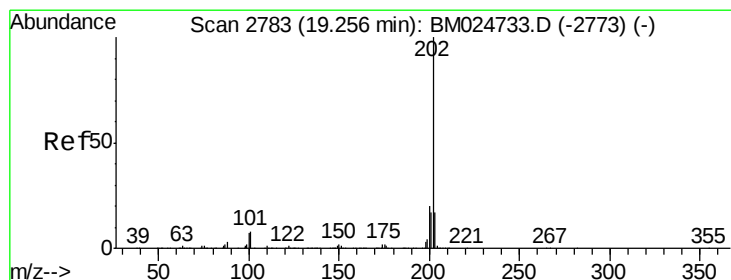
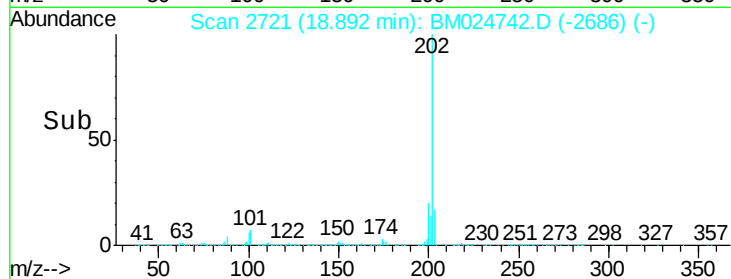
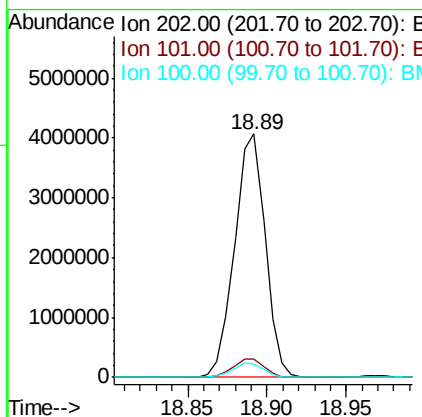
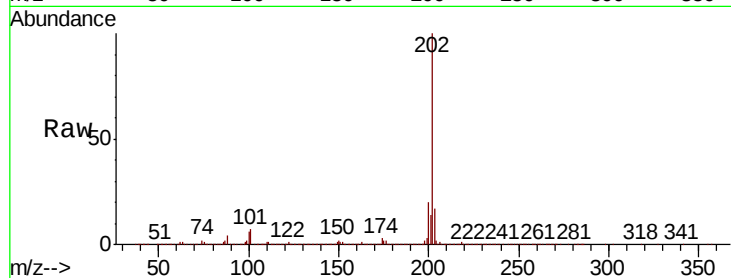
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 Fluoranthene
 Concen: 47.764 ng/ul
 RT: 18.89 min Scan# 2721
 Delta R.T. 0.01 min
 Lab File: BM024742.D
 Acq: 06 Feb 2020 23:51

Instrument :
 BNA_M
 ClientSampleId :
 CB6E2

Tot Ion:	202	Resp:	5441708
Ion	Ratio	Lower	Upper
202	100		
101	7.3	6.1	9.1
100	5.7	4.8	7.2

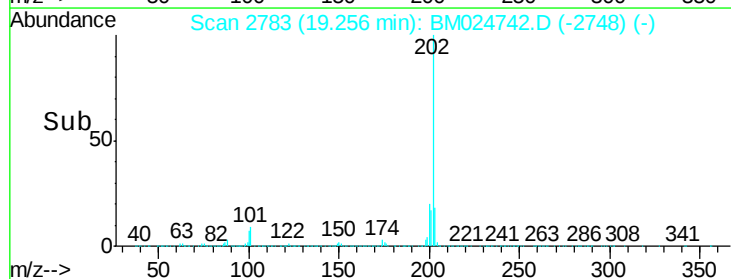
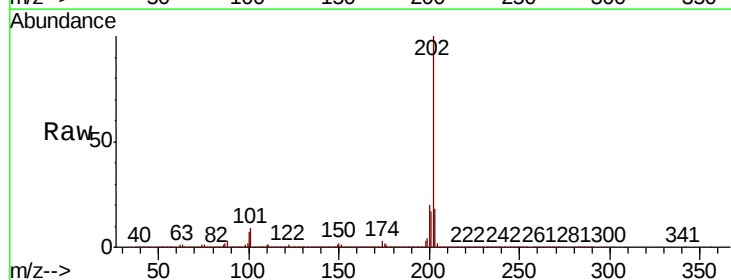
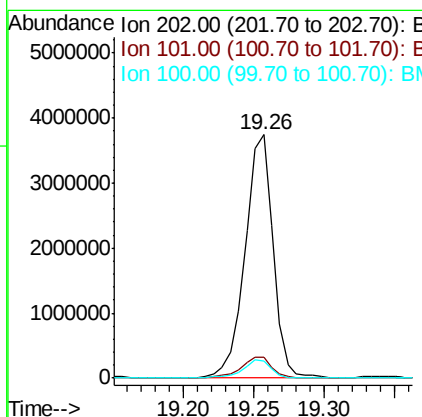
Manual Integrations
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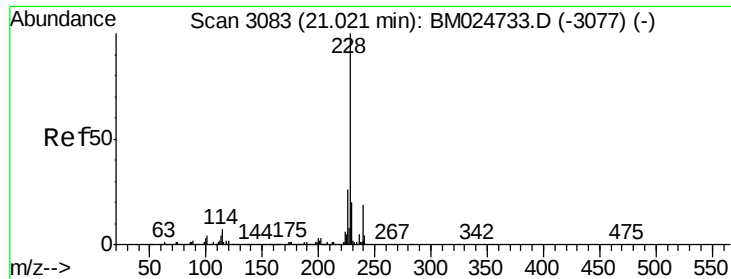
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#80
 Pyrene
 Concen: 50.991 ng/ul
 RT: 19.26 min Scan# 2783
 Delta R.T. 0.01 min
 Lab File: BM024742.D
 Acq: 06 Feb 2020 23:51

Tgt Ion:	202	Resp:	5197157
Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.0	10.4
100	7.1	5.8	8.8





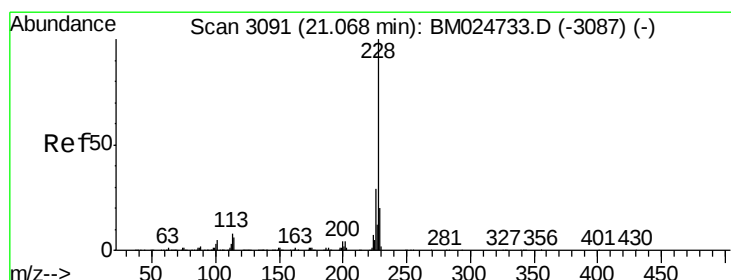
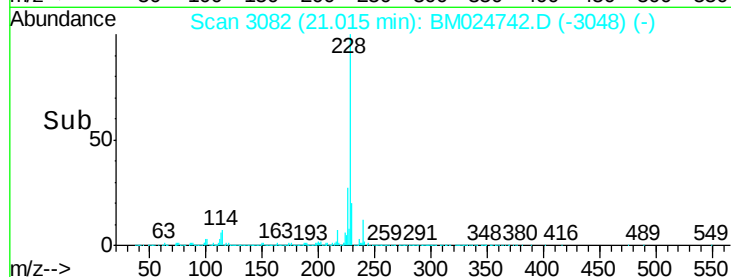
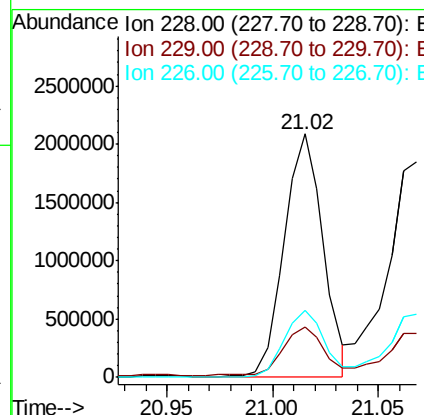
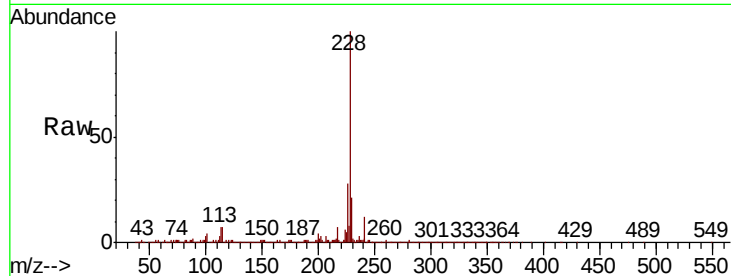
#83
Benzo(a)anthracene
Concen: 25.591 ng/ul
RT: 21.02 min Scan# 3082
Delta R.T. 0.00 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Instrument :
BNA_M
ClientSampleId :
CB6E2

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.9	23.9
226	27.7	20.8	31.2

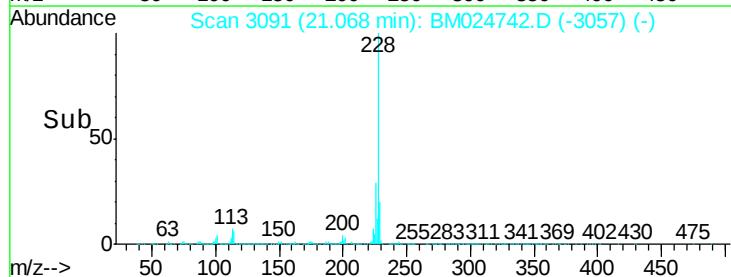
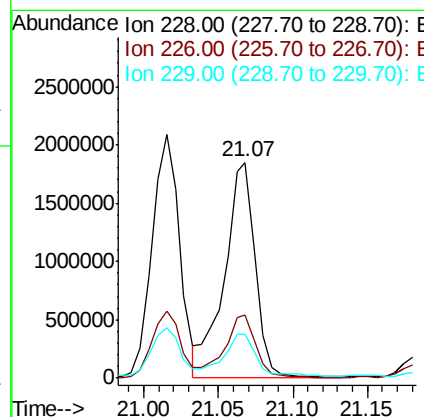
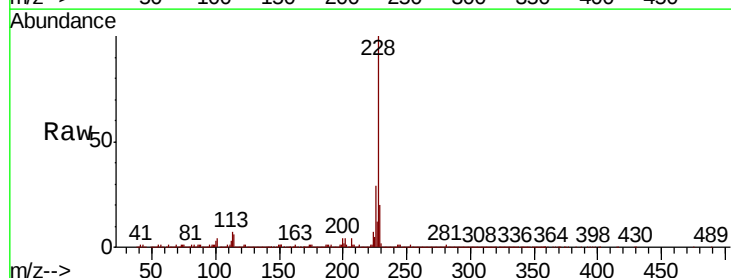
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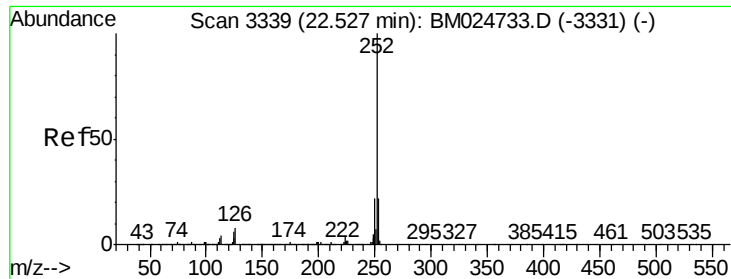
mohammad
2/10/2020 8:22:01 AM



#85
Chrysene
Concen: 26.247 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.4
229	20.3	15.8	23.8





#88

Benzo(b)fluoranthene

Concen: 25.403 ng/ul

RT: 22.52 min Scan# 3338

Delta R.T. 0.00 min

Lab File: BM024742.D

Acq: 06 Feb 2020 23:51

Instrument :

BNA_M

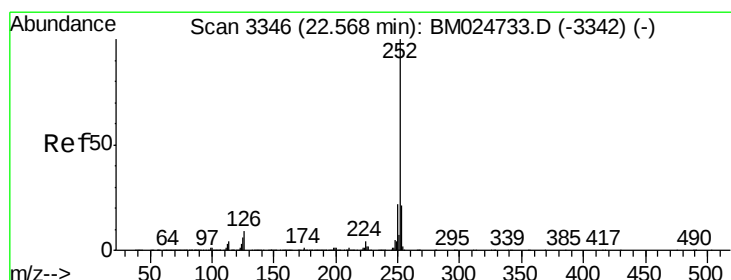
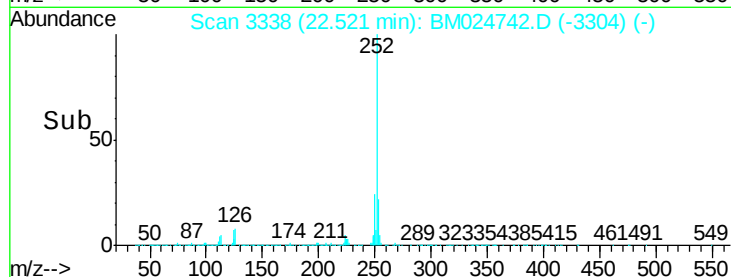
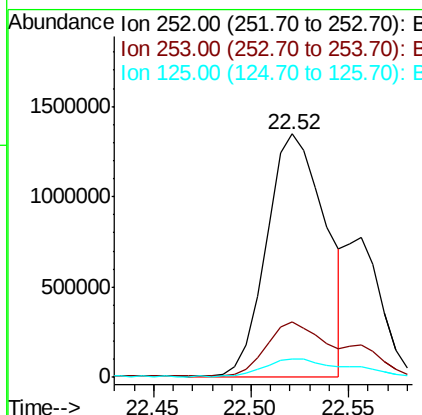
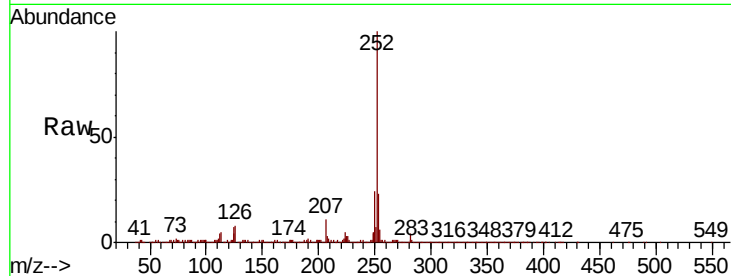
ClientSampleId :

CB6E2

Tot Ion:	252	Resp:	2797104
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	7.3	5.1	7.7

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#89

Benzo(k)fluoranthene

Concen: 8.743 ng/ul m

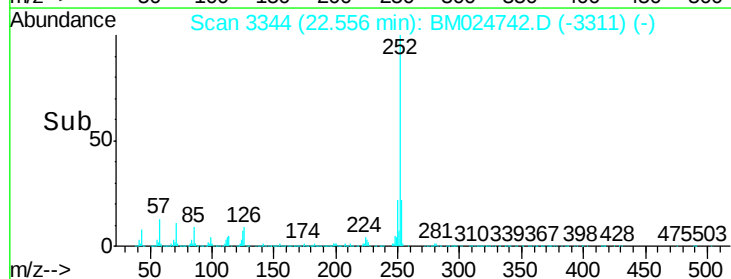
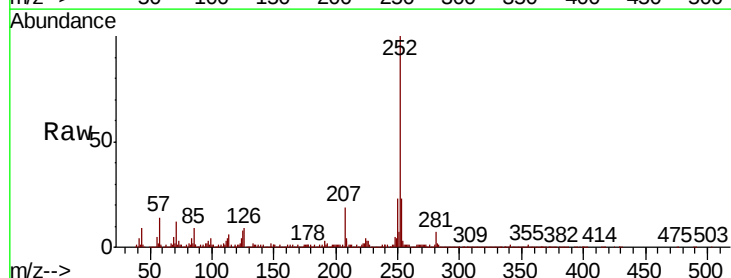
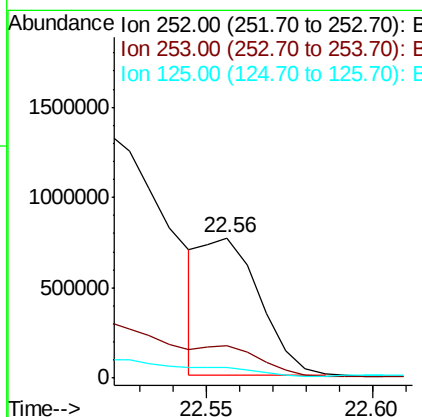
RT: 22.56 min Scan# 3344

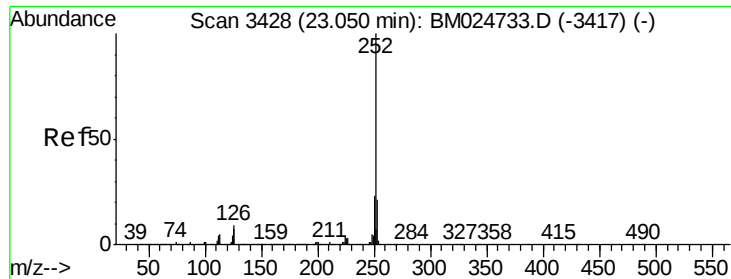
Delta R.T. -0.01 min

Lab File: BM024742.D

Acq: 06 Feb 2020 23:51

Tgt Ion:	252	Resp:	926591
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	7.5	5.1	7.7





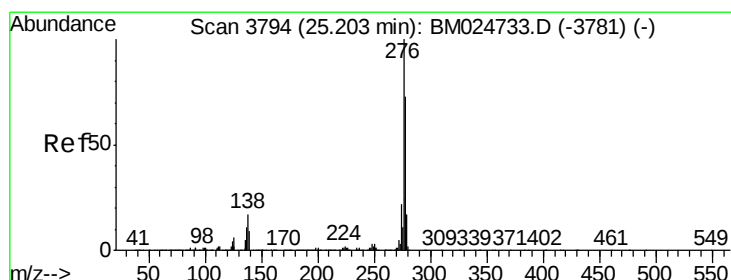
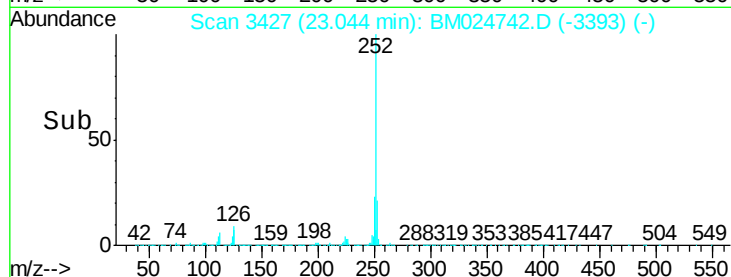
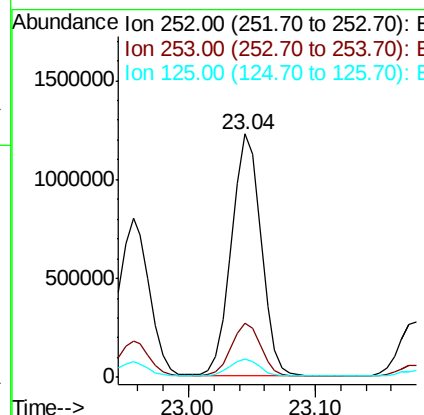
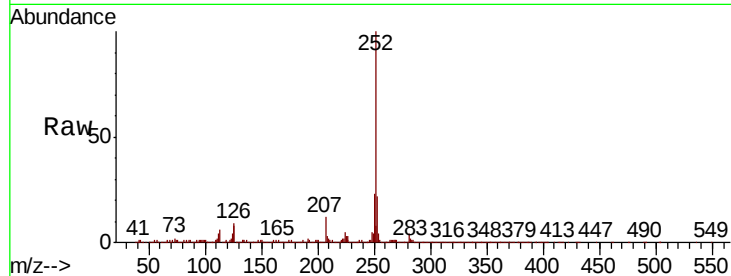
#91
Benzo(a)pyrene
Concen: 19.999 ng/ul
RT: 23.04 min Scan# 3427
Delta R.T. 0.00 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Instrument :
BNA_M
ClientSampleId :
CB6E2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	7.7	5.6	8.4

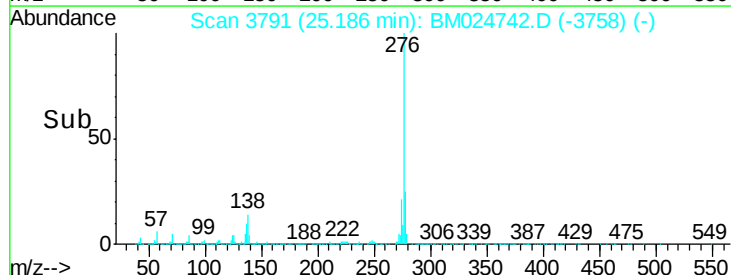
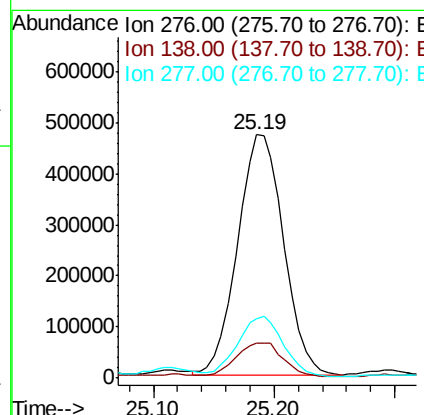
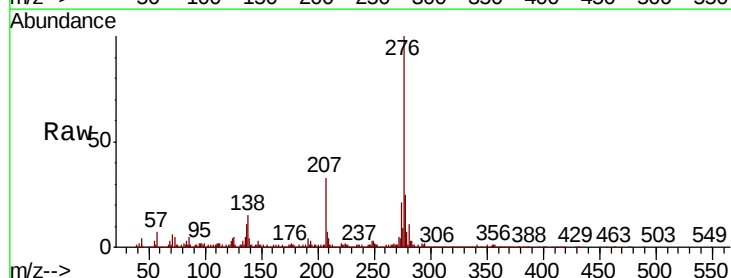
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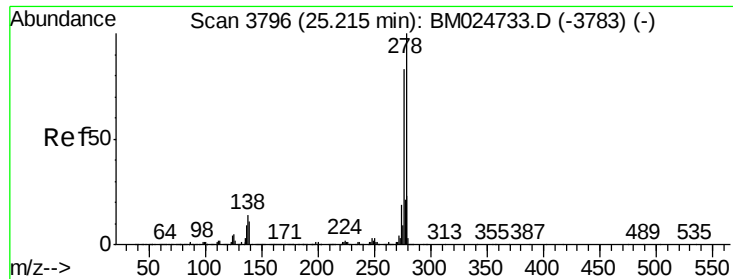
mohammad
2/10/2020 8:22:01 AM



#92
Indeno(1,2,3-cd)pyrene
Concen: 10.191 ng/ul
RT: 25.19 min Scan# 3791
Delta R.T. -0.01 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.5	12.8	19.2
277	24.3	19.3	28.9





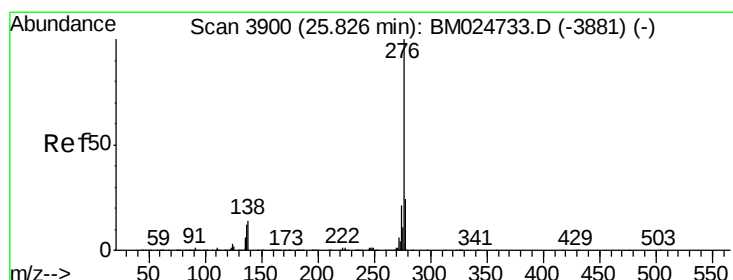
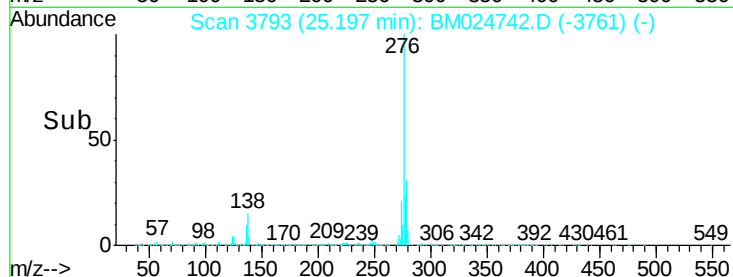
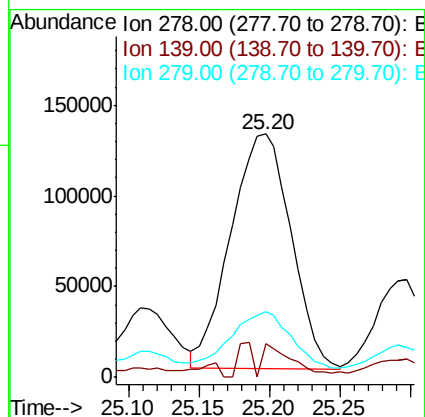
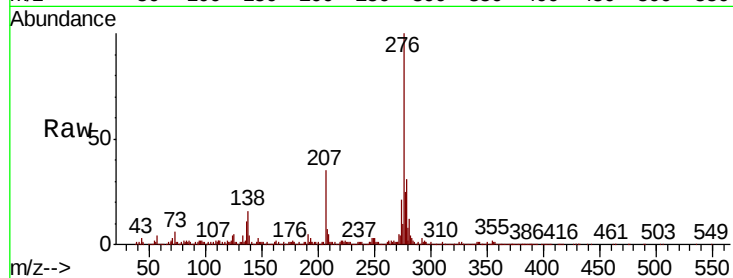
#93
Dibenzo(a,h)anthracene
Concen: 3.703 ng/ul
RT: 25.20 min Scan# 3793
Delta R.T. -0.01 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Instrument :
BNA_M
ClientSampled :
CB6E2

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.9	8.4	12.6#
279	27.2	18.5	27.7

Manual Integrations
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mohammad
2/10/2020 8:22:01 AM



#94
Benzo(g,h,i)perylene
Concen: 11.229 ng/ul
RT: 25.81 min Scan# 3898
Delta R.T. 0.00 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.9	11.8	17.6
277	24.3	19.0	28.6

