

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021020\
 Data File : BM024820.D
 Acq On : 10 Feb 2020 22:17
 Operator : CG/JU
 Sample : L1402-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB6M1

Manual Integrations
 APPROVED

mohammad
 2/12/2020 9:50:34 AM

Quant Time: Feb 11 04:35:24 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	299361	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1202877	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.06	164	779079	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1652792	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1569130	20.00	ng/ul	-0.01
86) Perylene-d12	23.12	264	1608117	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	24703	3.97	ng/uL	0.00
5) Phenol-d5	6.60	99	450459	22.65	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.75	67	278947	24.84	ng/ul	-0.01
9) 2-Chlorophenol-d4	6.94	132	422442	23.71	ng/ul	-0.01
13) 4-Methylphenol-d8	8.12	113	382799	22.81	ng/ul	-0.01
19) Nitrobenzene-d5	8.54	128	210492	24.20	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.26	143	241147	23.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	447649	21.59	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.30	131	517987	26.71	ng/ul	-0.01
44) Dimethylphthalate-d6	13.48	166	1410823	23.99	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1656125	24.11	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.28	143	181747	19.02	ng/ul	0.00
58) Fluorene-d10	15.06	176	1213779	23.31	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.19	200	198695	18.44	ng/ul	0.00
71) Anthracene-d10	16.91	188	1761551	23.35	ng/ul	0.00
79) Pyrene-d10	19.22	212	2031071	25.88	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2058843	25.49	ng/ul	-0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.21	128	180902	2.943	ng/ul	99
34) 2-Methylnaphthalene	11.83	142	68541	1.514	ng/ul	99
50) Acenaphthene	14.12	153	123882	2.579	ng/ul	95
54) Dibenzofuran	14.46	168	130003	1.815	ng/ul	98
59) Fluorene	15.12	166	168577	2.856	ng/ul	97
70) Phenanthrene	16.85	178	2011579	22.322	ng/ul	99
72) Anthracene	16.94	178	387530	4.240	ng/ul	99
75) Carbazole	17.22	167	154443	2.028	ng/ul	99
77) Fluoranthene	18.88	202	2095368	18.940	ng/ul	99
80) Pyrene	19.24	202	1817097	17.495	ng/ul	99
83) Benzo(a)anthracene	21.00	228	903073	8.544	ng/ul	99
85) Chrysene	21.06	228	843427	8.105	ng/ul	99
88) Benzo(b)fluoranthene	22.51	252	976810	9.552	ng/ul	99
89) Benzo(k)fluoranthene	22.54	252	343054m	3.485	ng/ul	
91) Benzo(a)pyrene	23.03	252	673428	7.346	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.17	276	435737	3.818	ng/ul	100
93) Dibenzo(a,h)anthracene	25.17	278	122302	1.258	ng/ul#	89
94) Benzo(g,h,i)perylene	25.79	276	387955	4.087	ng/ul	98

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

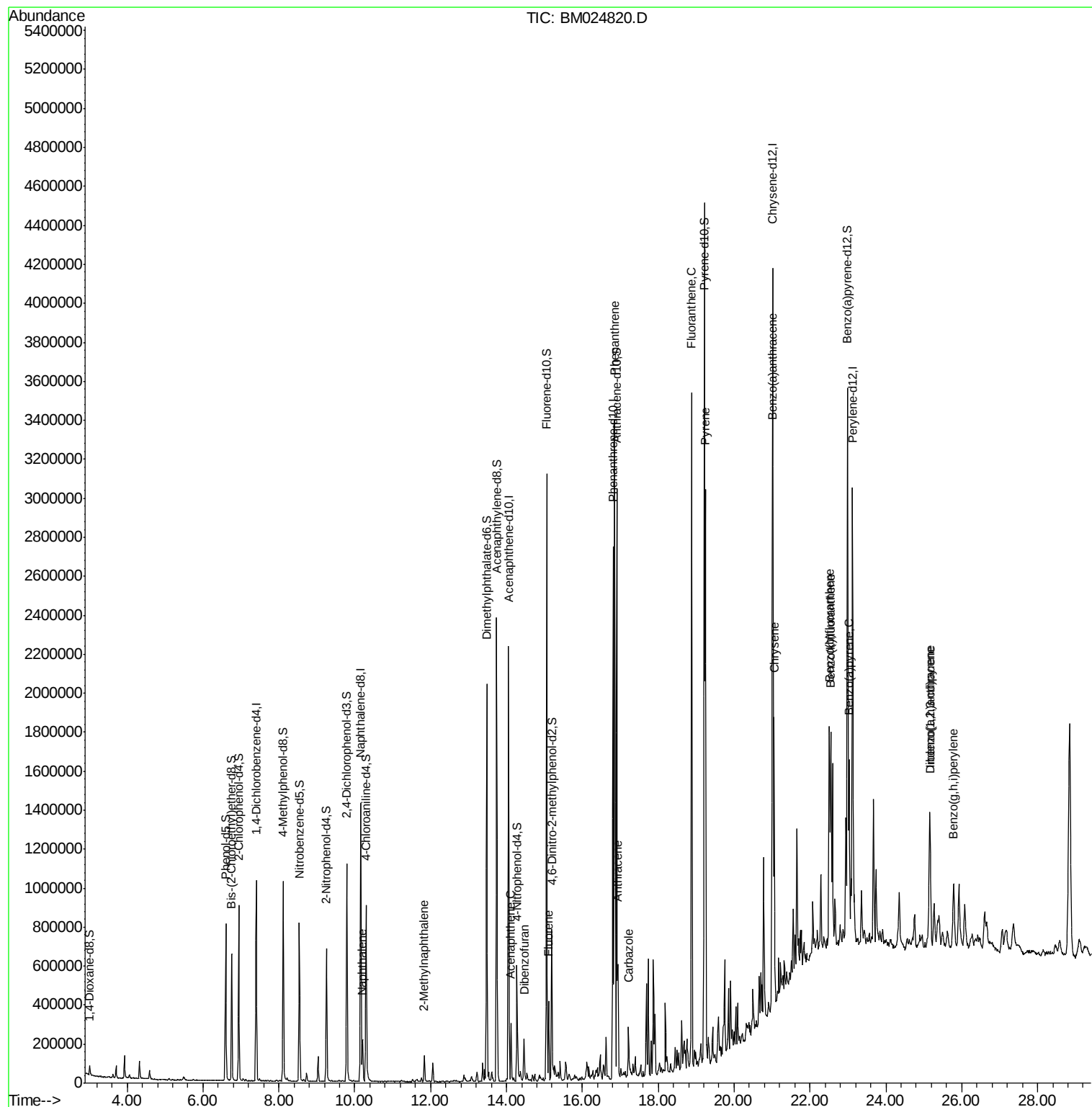
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021020\
Data File : BM024820.D
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ALS Vial : 17 Sample Multiplier: 1

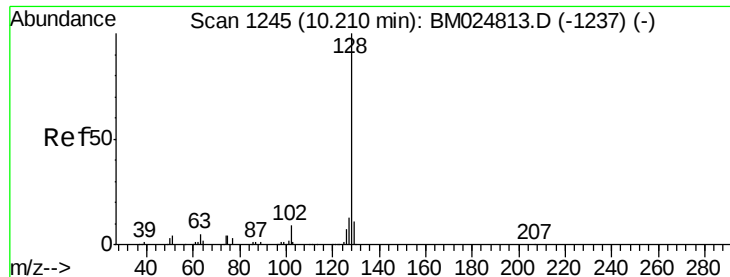
Instrument :
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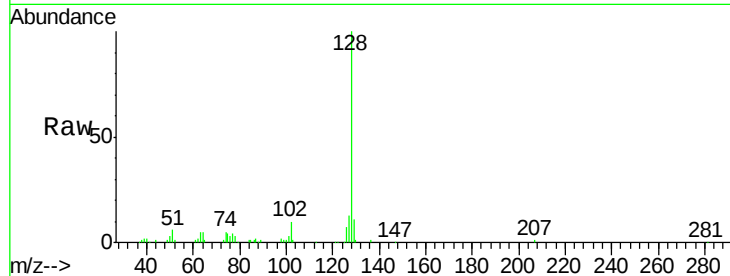
#28
Naphthalene
Concen: 2.943 ng/ul
RT: 10.21 min Scan# 1245
Delta R.T. -0.01 min
Lab File: BM024820.D
Acq: 10 Feb 2020 22:17

Instrument :
BNA_M
ClientSampleId :
CB6M1

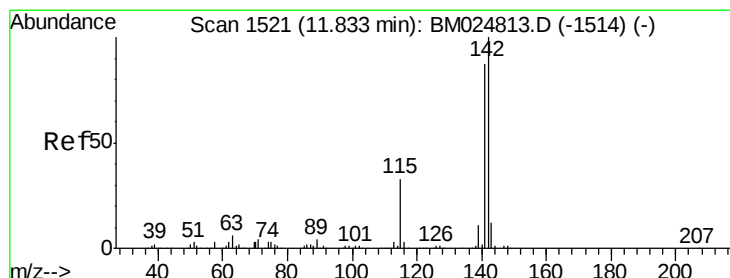
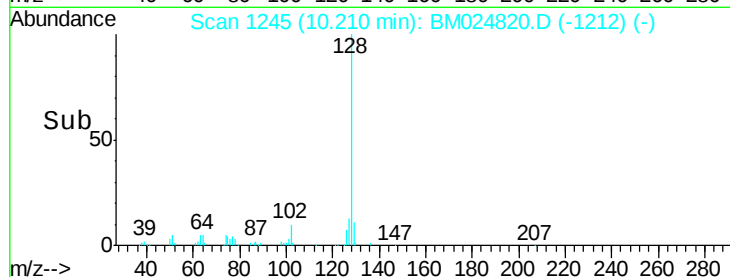
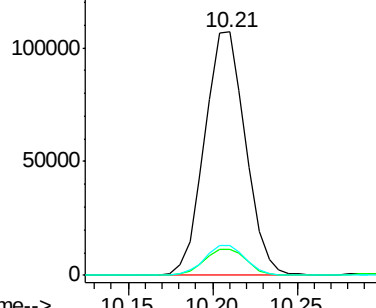
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.1	13.7
127	12.5	10.4	15.6

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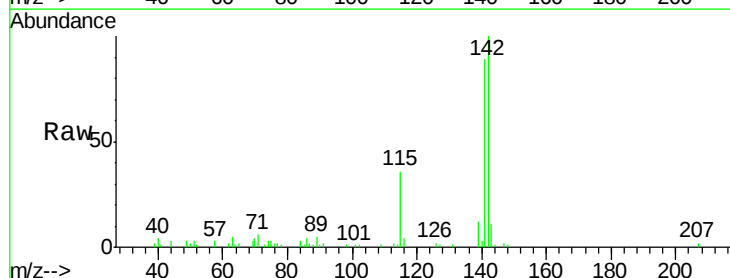


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

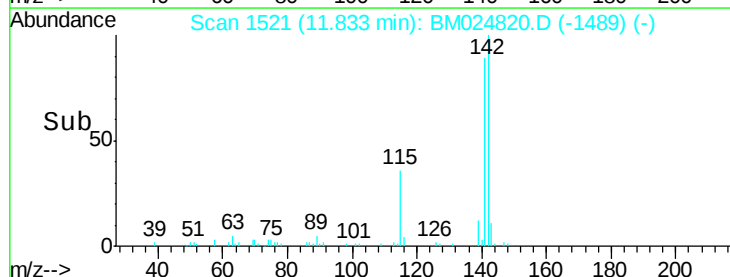
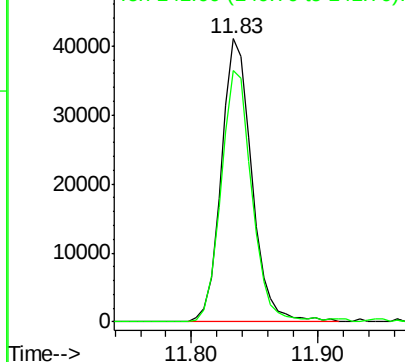


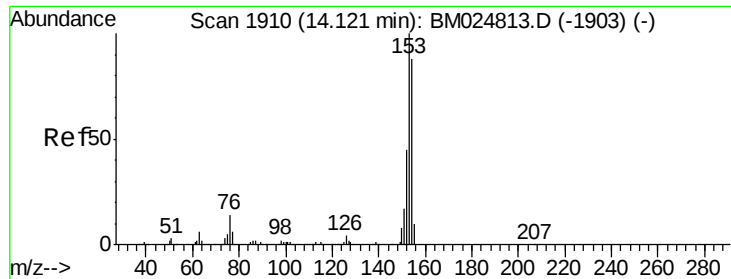
#34
2-Methylnaphthalene
Concen: 1.514 ng/ul
RT: 11.83 min Scan# 1521
Delta R.T. -0.01 min
Lab File: BM024820.D
Acq: 10 Feb 2020 22:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.5	105.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#50

Acenaphthene

Concen: 2.579 ng/ul

RT: 14.12 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BM024820.D

Acq: 10 Feb 2020 22:17

Instrument :

BNA_M

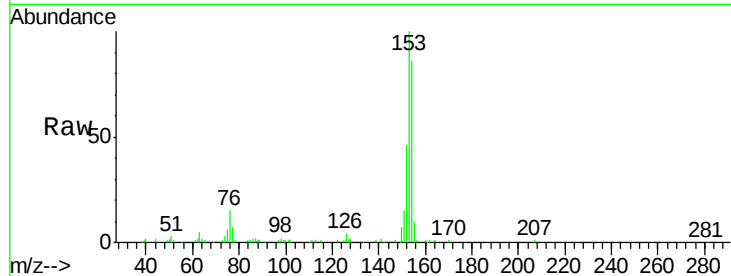
ClientSampleId :

CB6M1

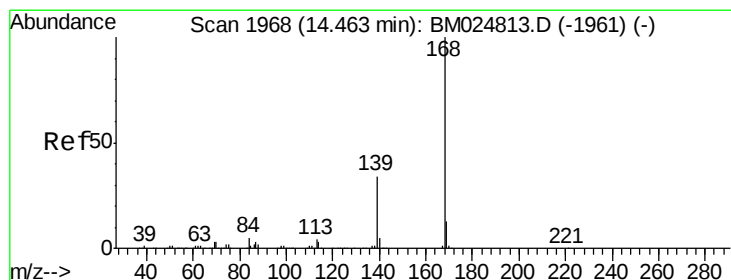
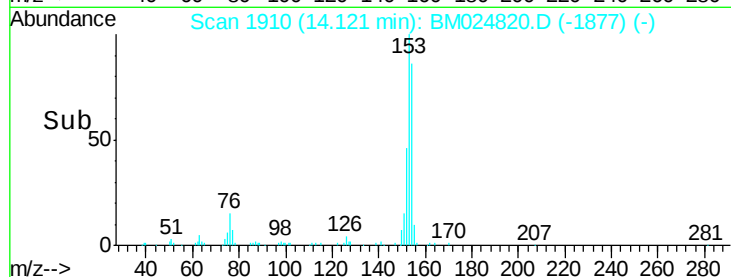
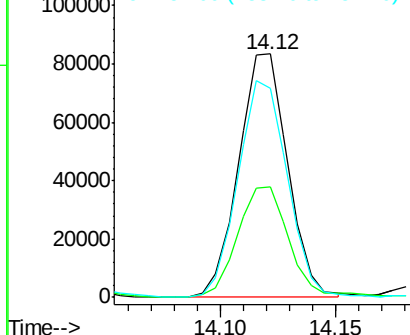
Tot Ion:	153	Resp:	123882
Ion Ratio	Lower	Upper	
153	100		
152	45.6	37.3	55.9
154	85.7	74.1	111.1

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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: 1.815 ng/ul

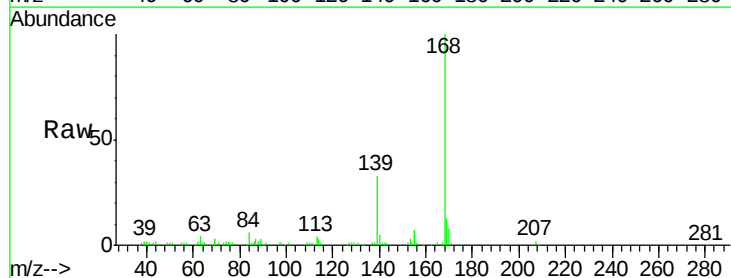
RT: 14.46 min Scan# 1968

Delta R.T. -0.01 min

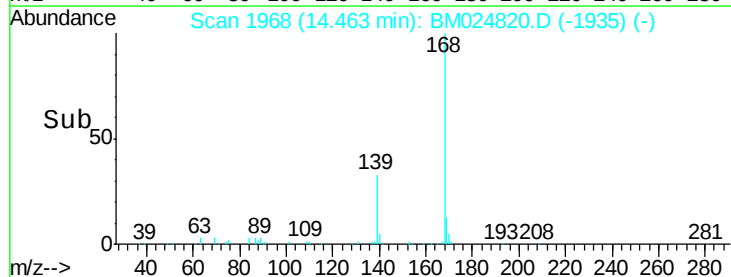
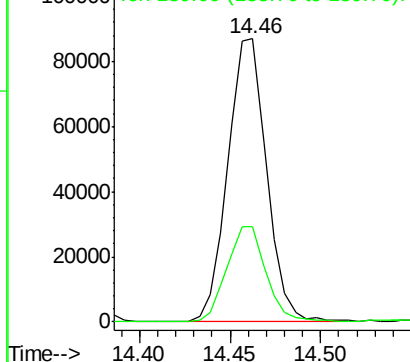
Lab File: BM024820.D

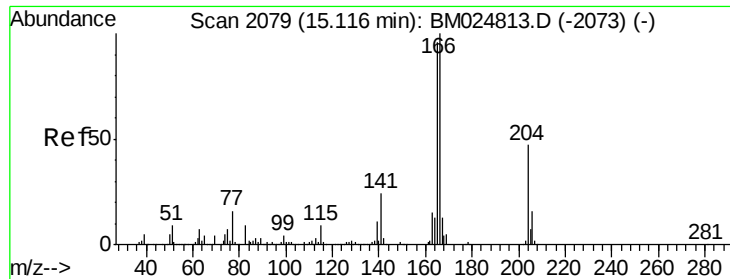
Acq: 10 Feb 2020 22:17

Tgt Ion:	168	Resp:	130003
Ion Ratio	Lower	Upper	
168	100		
139	33.5	27.8	41.8



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





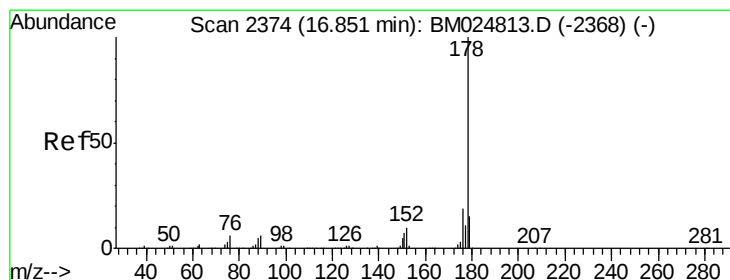
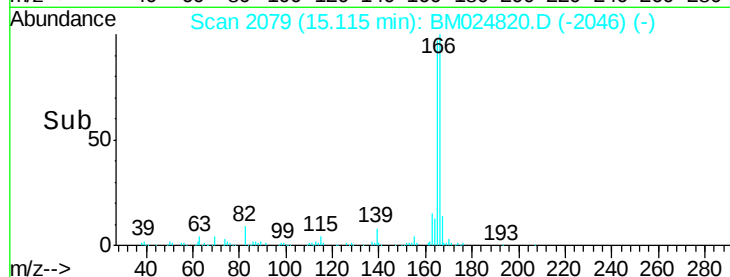
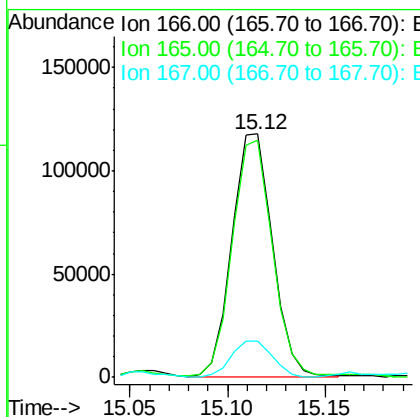
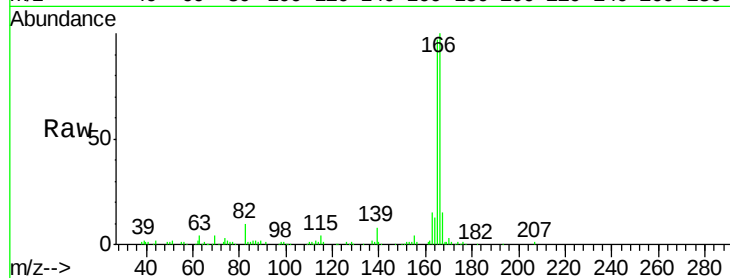
#59
Fluorene
Concen: 2.856 ng/ul
RT: 15.12 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BM024820.D
Acq: 10 Feb 2020 22:17

Instrument :
BNA_M
ClientSampleId :
CB6M1

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.2	75.8	113.8
167	14.9	10.6	16.0

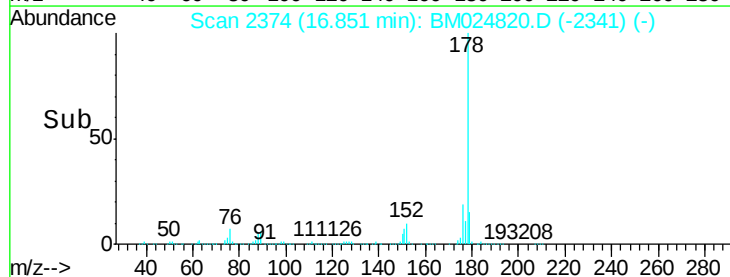
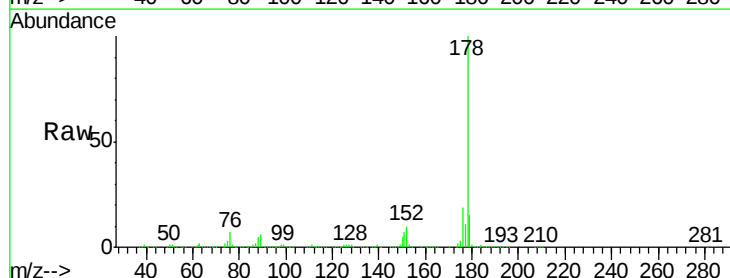
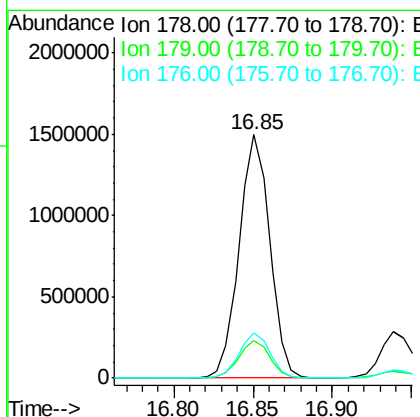
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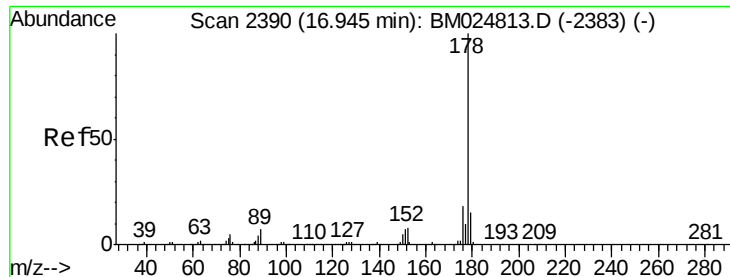
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#70
Phenanthrene
Concen: 22.322 ng/ul
RT: 16.85 min Scan# 2374
Delta R.T. -0.01 min
Lab File: BM024820.D
Acq: 10 Feb 2020 22:17

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	18.5	14.5	21.7





#72

Anthracene

Concen: 4.240 ng/ul

RT: 16.94 min Scan# 2389

Delta R.T. -0.01 min

Lab File: BM024820.D

Acq: 10 Feb 2020 22:17

Instrument :

BNA_M

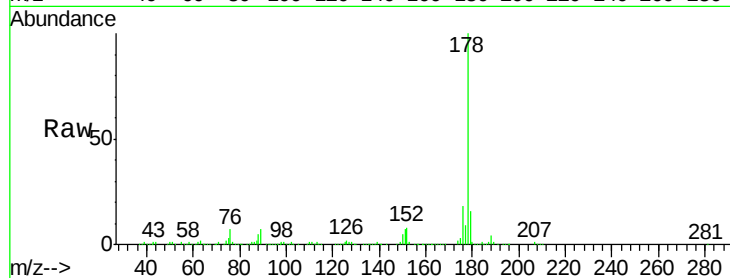
ClientSampleId :

CB6M1

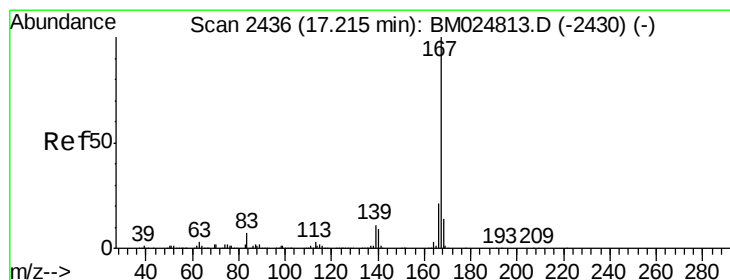
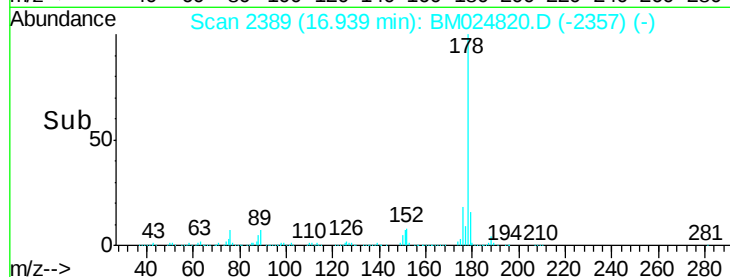
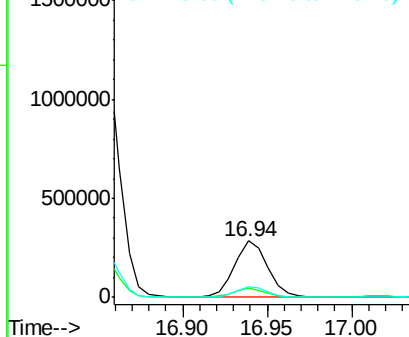
Tot Ion:	178	Resp:	387530
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.3	18.5
176	18.0	14.1	21.1

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: 2.028 ng/ul

RT: 17.22 min Scan# 2436

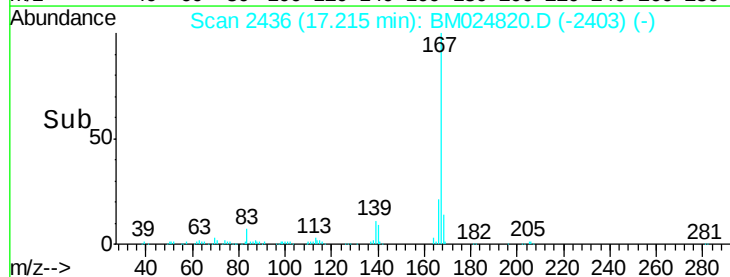
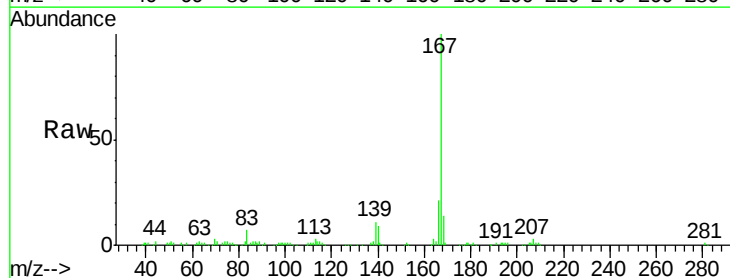
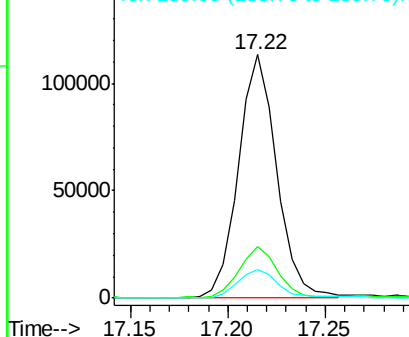
Delta R.T. -0.01 min

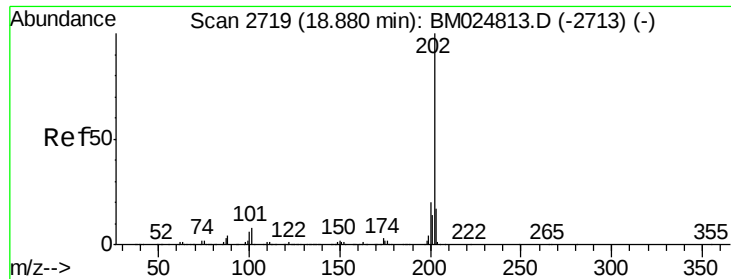
Lab File: BM024820.D

Acq: 10 Feb 2020 22:17

Tgt Ion:	167	Resp:	154443
Ion Ratio	Lower	Upper	
167	100		
166	21.3	16.6	24.8
139	11.5	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





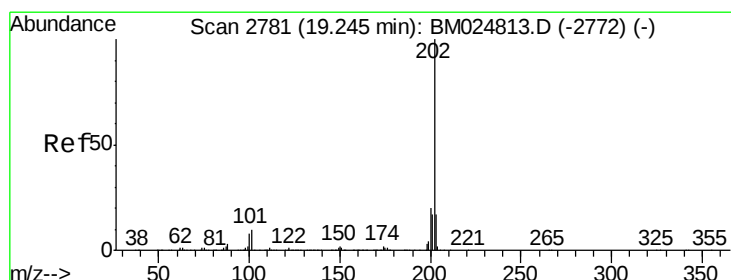
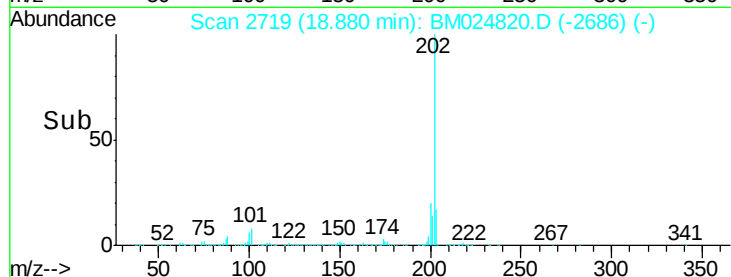
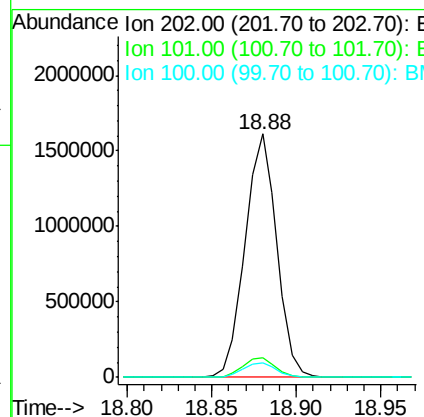
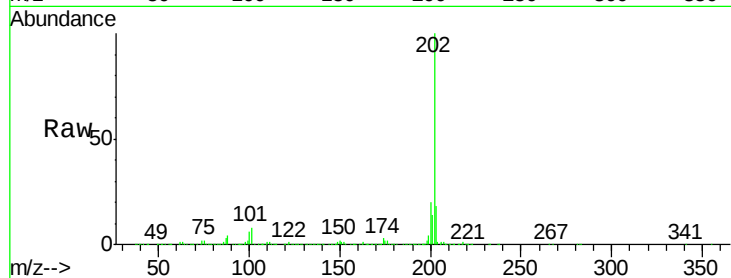
#77
Fluoranthene
Concen: 18.940 ng/ul
RT: 18.88 min Scan# 2719
Delta R.T. -0.01 min
Lab File: BM024820.D
Acq: 10 Feb 2020 22:17

Instrument :
BNA_M
ClientSampleId :
CB6M1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	2095368		
101	8.2		6.1	9.1
100	6.1		4.8	7.2

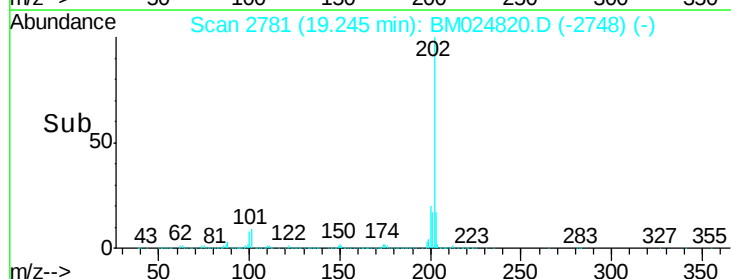
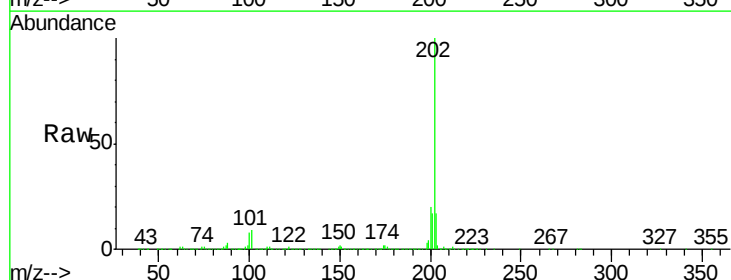
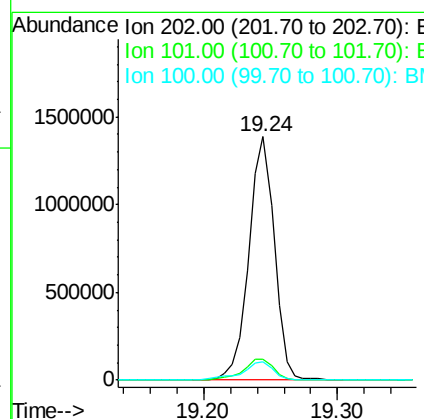
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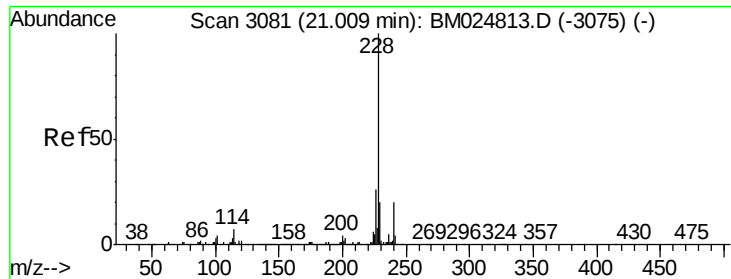
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#80
Pyrene
Concen: 17.495 ng/ul
RT: 19.24 min Scan# 2781
Delta R.T. -0.01 min
Lab File: BM024820.D
Acq: 10 Feb 2020 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1817097		
101	8.8		7.0	10.4
100	7.7		5.8	8.8





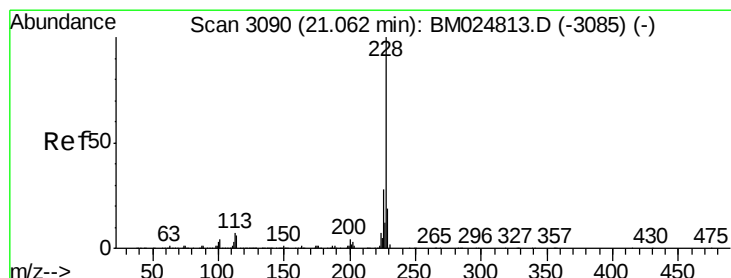
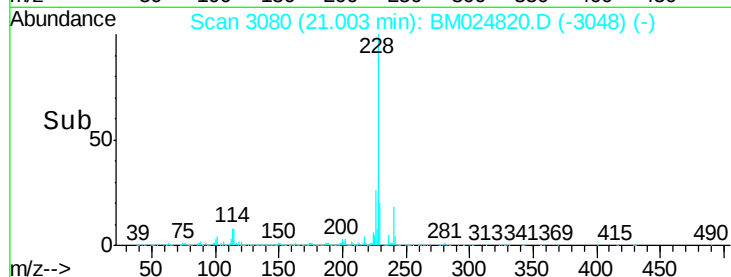
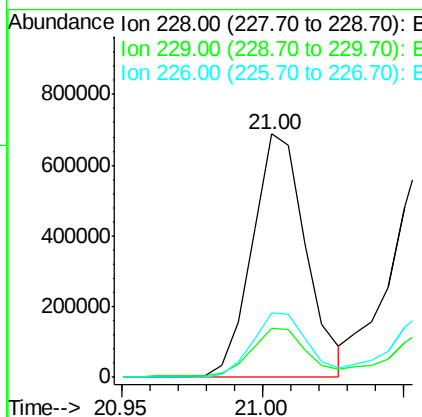
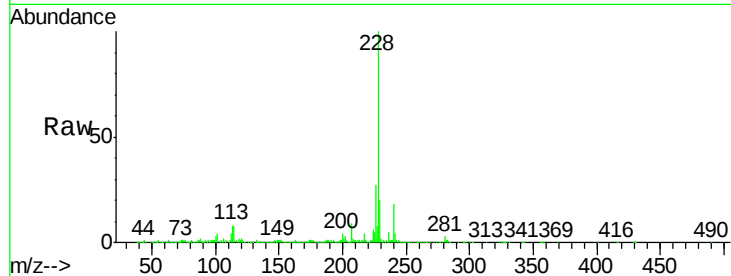
#83
Benzo(a)anthracene
Concen: 8.544 ng/ul
RT: 21.00 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM024820.D
Acq: 10 Feb 2020 22:17

Instrument :
BNA_M
ClientSampleId :
CB6M1

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.9	23.9
226	26.5	20.8	31.2

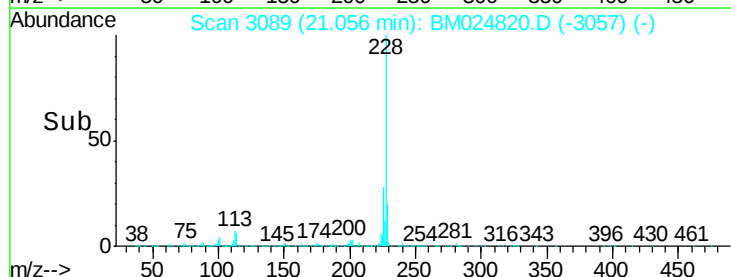
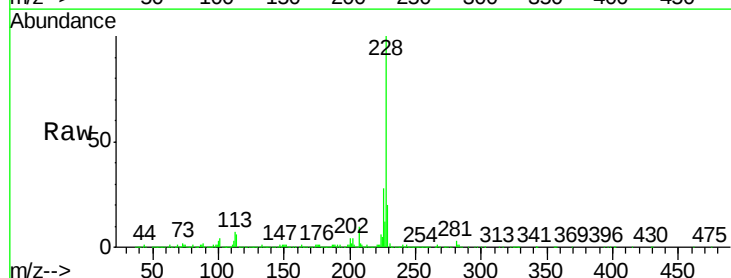
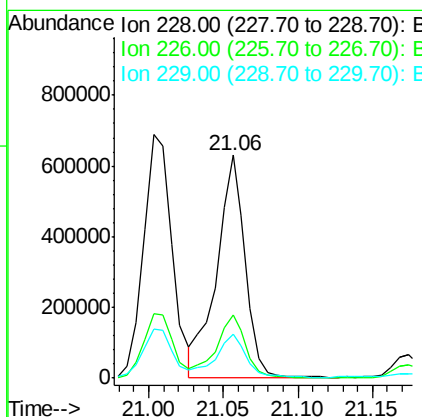
Manual Integrations
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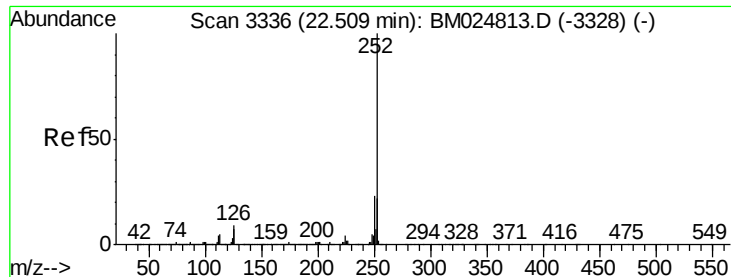
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#85
Chrysene
Concen: 8.105 ng/ul
RT: 21.06 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM024820.D
Acq: 10 Feb 2020 22:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.0	34.4
229	19.8	15.8	23.8





#88

Benzo(b)fluoranthene

Concen: 9.552 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.01 min

Lab File: BM024820.D

Acq: 10 Feb 2020 22:17

Instrument :

BNA_M

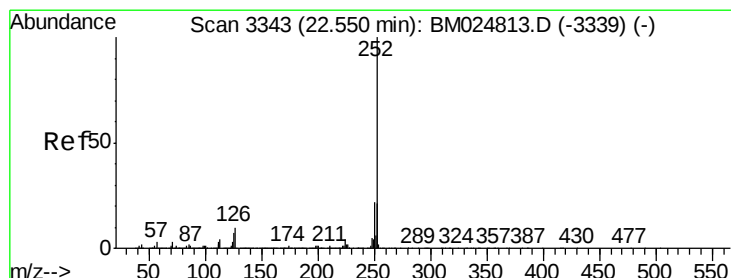
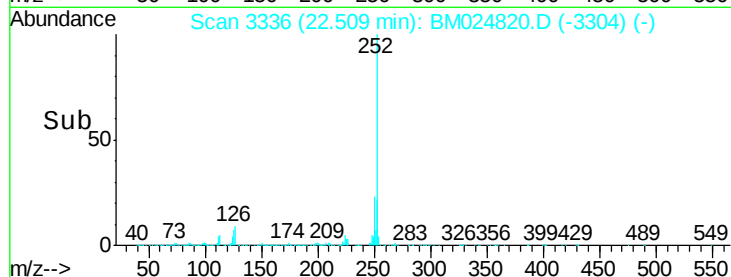
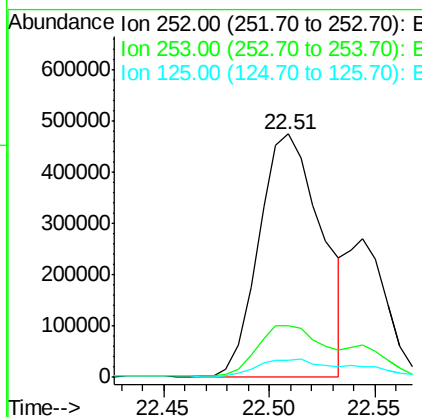
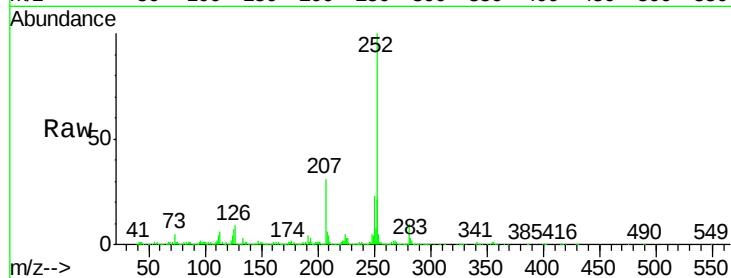
ClientSampleId :

CB6M1

Tot Ion:	252	Resp:	976810
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.3	25.9
125	7.3	5.1	7.7

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#89

Benzo(k)fluoranthene

Concen: 3.485 ng/ul m

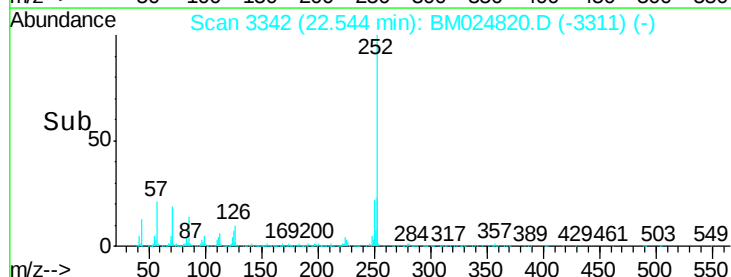
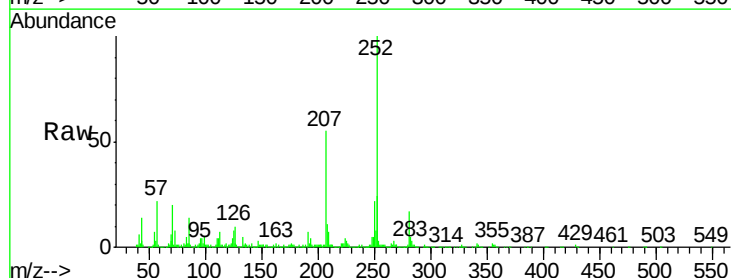
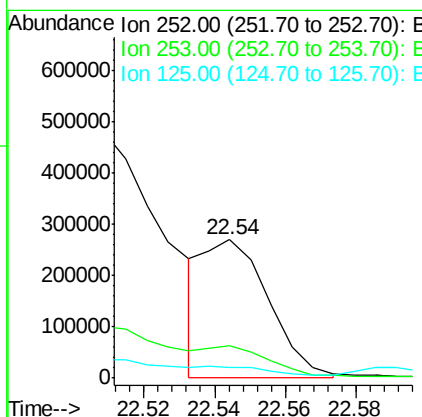
RT: 22.54 min Scan# 3342

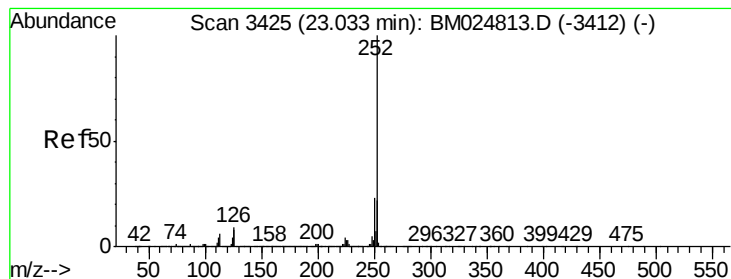
Delta R.T. -0.02 min

Lab File: BM024820.D

Acq: 10 Feb 2020 22:17

Tgt Ion:	252	Resp:	343054
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.4	26.0
125	8.0	5.1	7.7#





#91

Benzo(a)pyrene

Concen: 7.346 ng/ul

RT: 23.03 min Scan# 3425

Delta R.T. -0.01 min

Lab File: BM024820.D

Acq: 10 Feb 2020 22:17

Instrument :

BNA_M

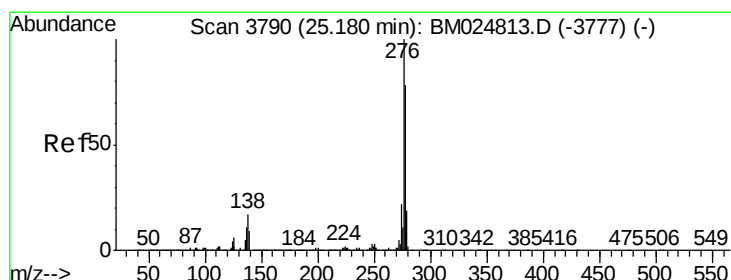
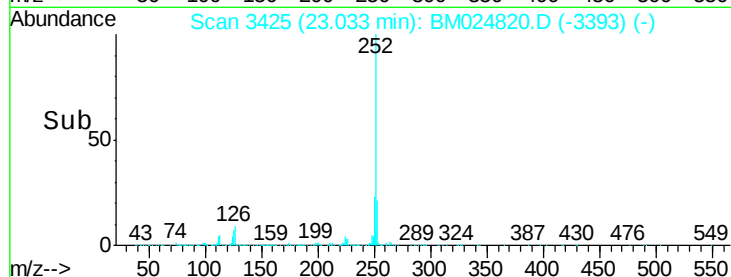
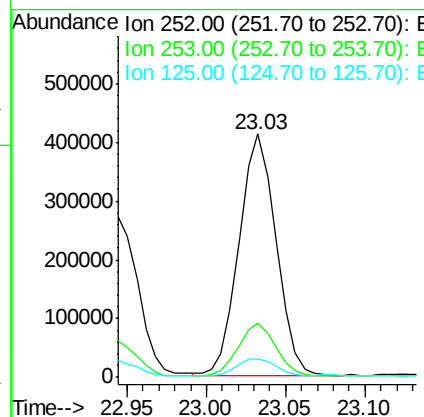
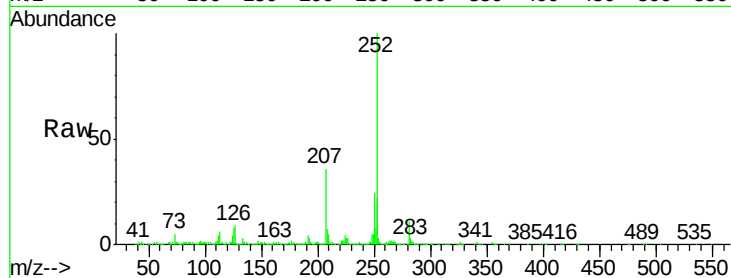
ClientSampled :

CB6M1

Tot Ion:	252	Resp:	673428
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.5	26.3
125	7.5	5.6	8.4

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#92

Indeno(1,2,3-cd)pyrene

Concen: 3.818 ng/ul

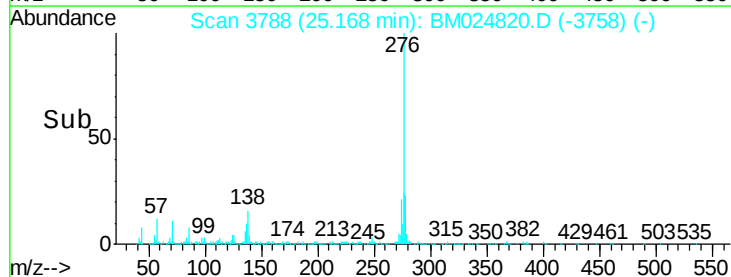
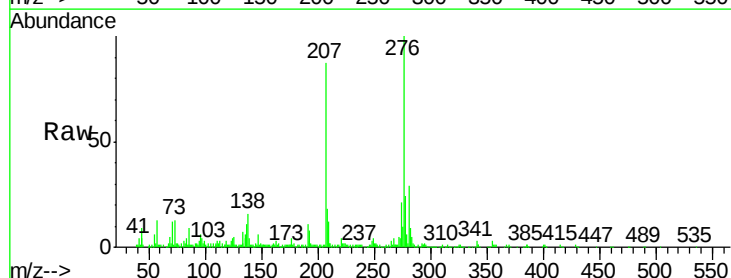
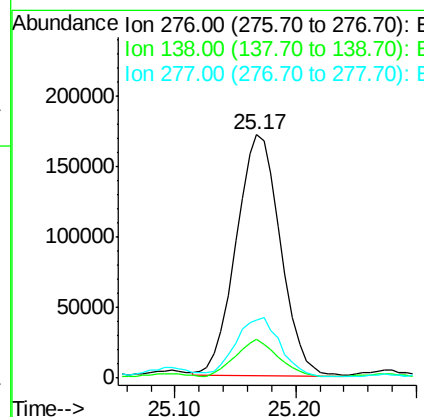
RT: 25.17 min Scan# 3788

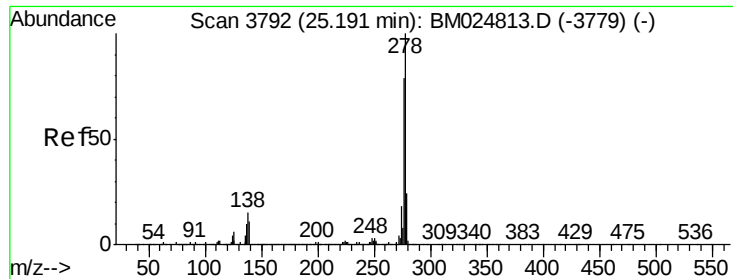
Delta R.T. -0.02 min

Lab File: BM024820.D

Acq: 10 Feb 2020 22:17

Tgt Ion:	276	Resp:	435737
Ion Ratio	Lower	Upper	
276	100		
138	16.1	12.8	19.2
277	23.9	19.3	28.9





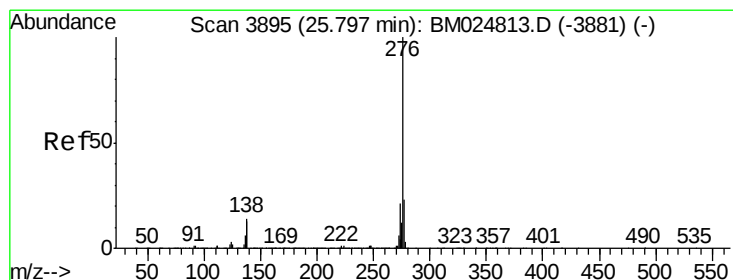
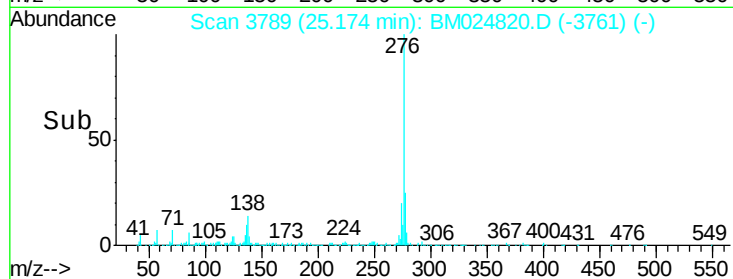
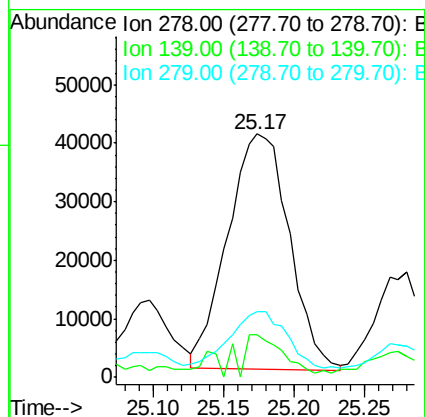
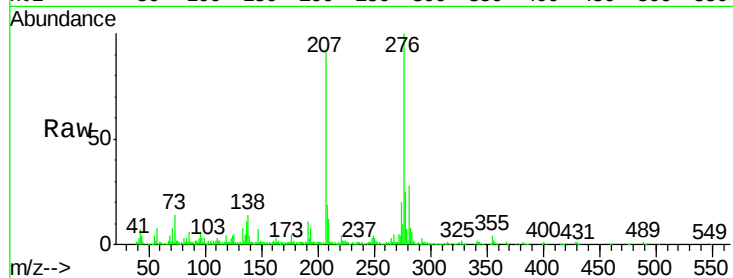
#93
Dibenzo(a,h)anthracene
Concen: 1.258 ng/ul
RT: 25.17 min Scan# 3789
Delta R.T. -0.04 min
Lab File: BM024820.D
Acq: 10 Feb 2020 22:17

Instrument :
BNA_M
ClientSampleId :
CB6M1

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.3	8.4	12.6#
279	27.1	18.5	27.7

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 4.087 ng/ul
RT: 25.79 min Scan# 3894
Delta R.T. -0.02 min
Lab File: BM024820.D
Acq: 10 Feb 2020 22:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.7	11.8	17.6
277	25.1	19.0	28.6

