

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
 Data File : BM023217.D
 Acq On : 17 Oct 2019 12:14
 Operator : JU
 Sample : K5262-20
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFB81

Manual Integrations
 APPROVED

mohammad
 10/18/2019 8:28:05 AM

Quant Time: Oct 17 14:41:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 17 12:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	439741	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1694073	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	961194	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1800229	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	1833022	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2291587	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	32994	3.30	ng/uL	0.00
5) Phenol-d5	6.84	99	614659	16.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	375585	17.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	520107	17.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	445289	14.47	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	244366	21.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	266377	24.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	506092	18.23	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	417814	12.37	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	1474474	20.02	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1721084	19.92	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	145289	12.18	ng/ul	0.00
58) Fluorene-d10	15.30	176	1224945	19.52	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.43	200	81182	11.37	ng/ul	0.01
71) Anthracene-d10	17.16	188	1859697	21.42	ng/ul	0.00
79) Pyrene-d10	19.45	212	2003851	22.57	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.33	264	2493620	21.47	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.86	94	106687	2.701 ng/ul	99
28) Naphthalene	10.49	128	244946	2.797 ng/ul	99
34) 2-Methylnaphthalene	12.12	142	109959	1.688 ng/ul	99
45) Dimethylphthalate	13.77	163	464996	6.307 ng/ul	99
48) Acenaphthylene	14.03	152	729016	8.253 ng/ul	99
50) Acenaphthene	14.37	153	144215	2.345 ng/ul	98
54) Dibenzofuran	14.71	168	99284	1.137 ng/ul	100
59) Fluorene	15.36	166	189280	2.642 ng/ul	95
70) Phenanthrene	17.10	178	3259065	32.258 ng/ul	100
72) Anthracene	17.19	178	1245134	11.926 ng/ul	99
75) Carbazole	17.45	167	130648	1.401 ng/ul	95
77) Fluoranthene	19.12	202	7495531	62.383 ng/ul	99
80) Pyrene	19.49	202	7275216	63.356 ng/ul	98
81) Butylbenzylphthalate	20.40	149	115127	2.883 ng/ul#	96
83) Benzo(a)anthracene	21.23	228	5182587m	41.727 ng/ul	
84) Bis(2-ethylhexyl)phthalate	21.19	149	201343	3.170 ng/ul	96
85) Chrysene	21.29	228	4652070	40.339 ng/ul	97
88) Benzo(b)fluoranthene	22.81	252	7002171	50.397 ng/ul	97
89) Benzo(k)fluoranthene	22.84	252	2627922m	19.698 ng/ul	
91) Benzo(a)pyrene	23.37	252	5399048	40.503 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.70	276	3820247	24.091 ng/ul	97
93) Dibenzo(a,h)anthracene	25.70	278	1091683	8.233 ng/ul#	90
94) Benzo(g,h,i)perylene	26.37	276	3616060	27.696 ng/ul	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

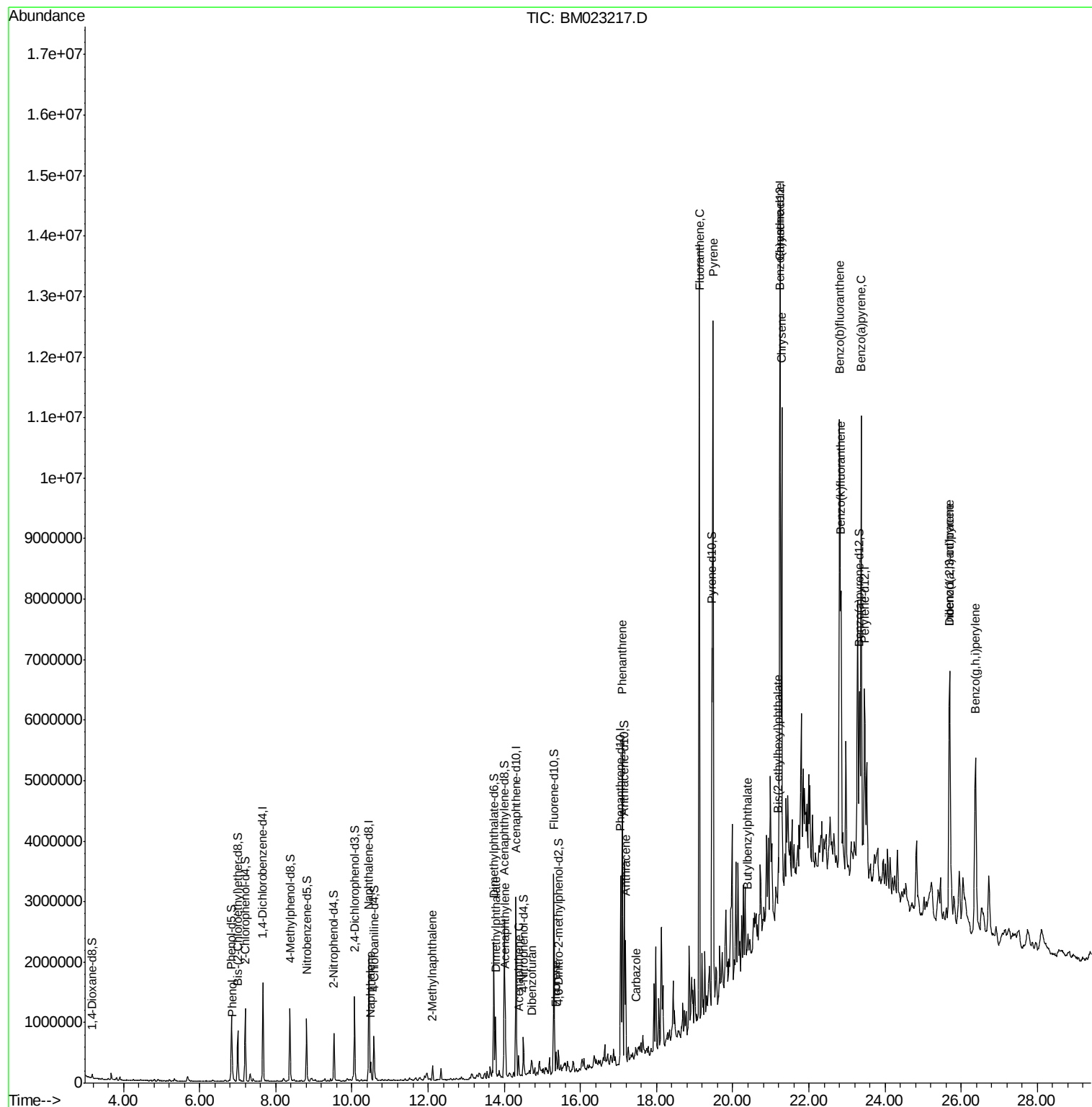
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Operator : JU
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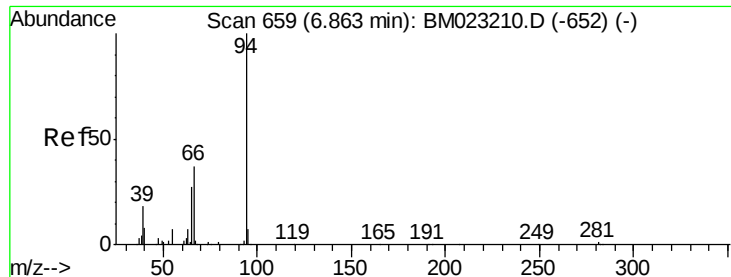
Instrument :
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#6

Phenol

Concen: 2.701 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM023217.D

Acq: 17 Oct 2019 12:14

Instrument :

BNA_M

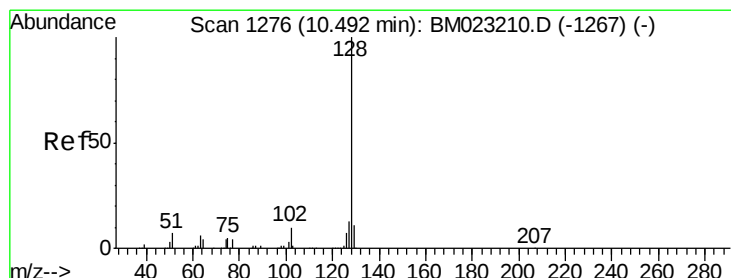
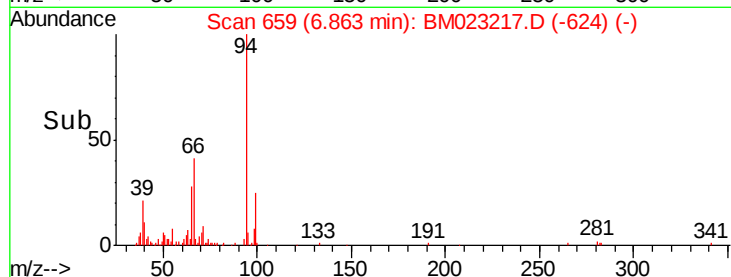
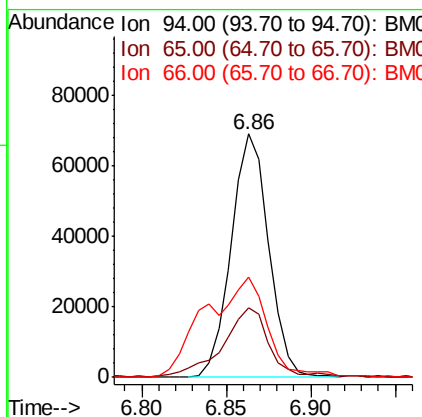
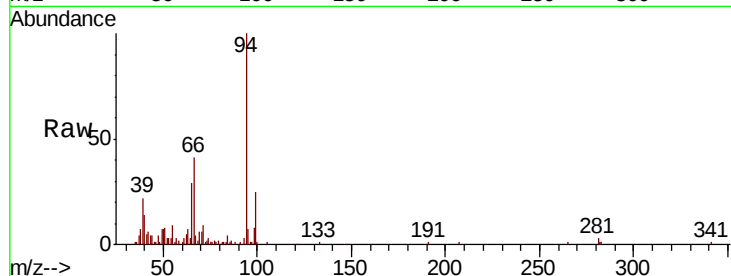
ClientSampleId :

BFB81

Tot Ion:	94	Resp:	106687
Ion	Ratio	Lower	Upper
94	100		
65	28.7	23.7	35.5
66	41.2	32.9	49.3

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#28

Naphthalene

Concen: 2.797 ng/ul

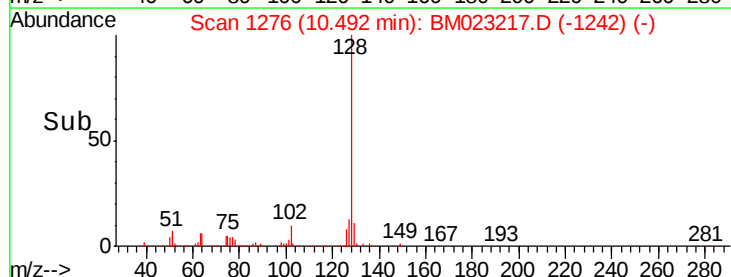
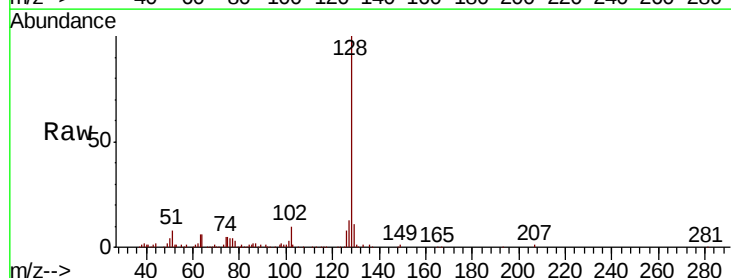
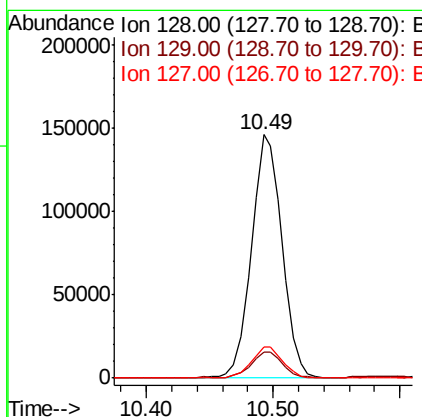
RT: 10.49 min Scan# 1276

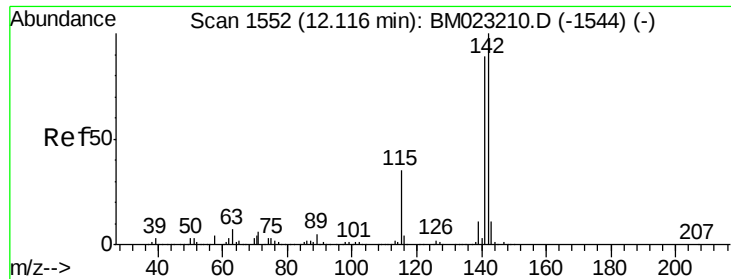
Delta R.T. -0.00 min

Lab File: BM023217.D

Acq: 17 Oct 2019 12:14

Tgt Ion:	128	Resp:	244946
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.3	12.5
127	12.9	10.2	15.4





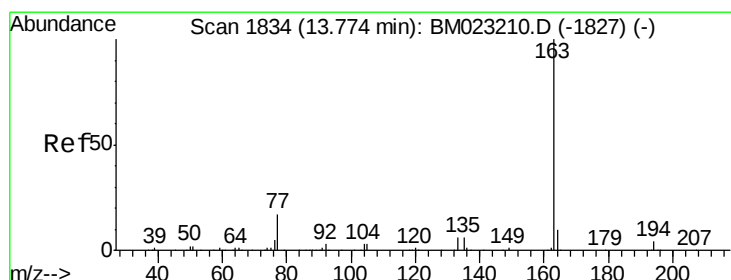
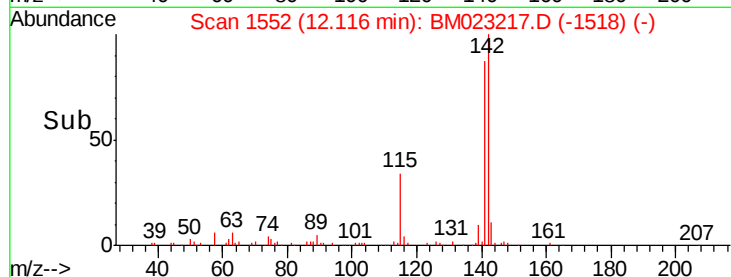
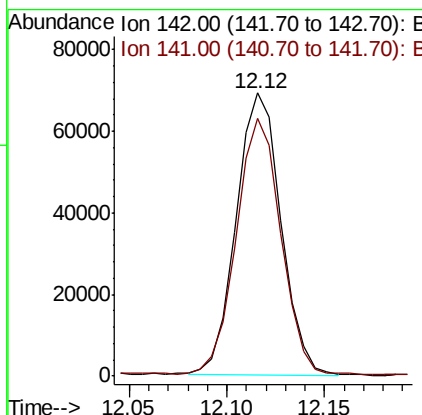
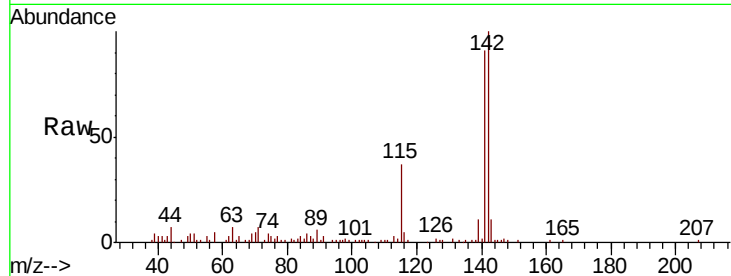
#34
2-Methylnaphthalene
Concen: 1.688 ng/ul
RT: 12.12 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BM023217.D
Acq: 17 Oct 2019 12:14

Instrument :
BNA_M
ClientSampleId :
BFB81

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.1	108.1

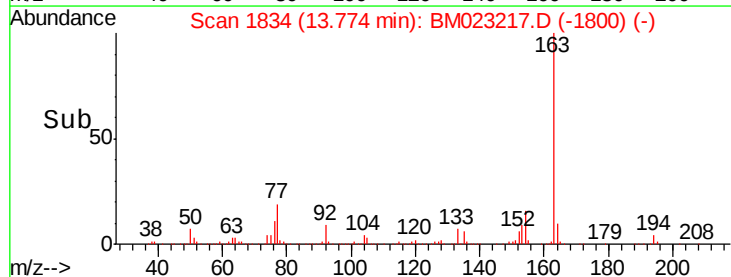
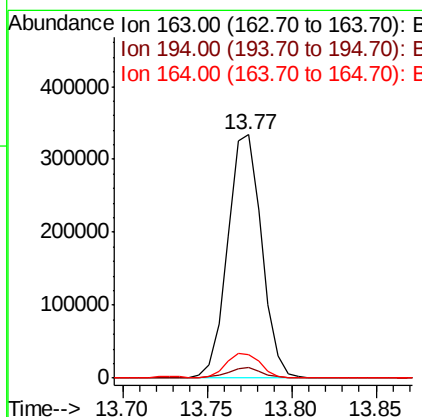
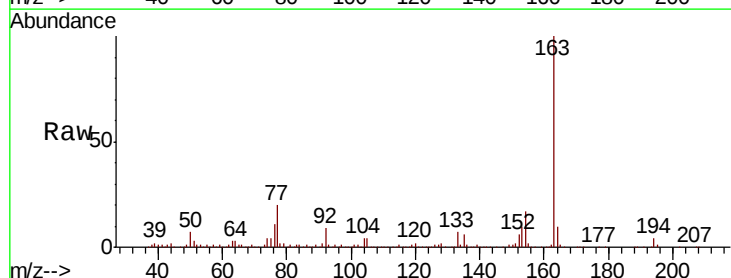
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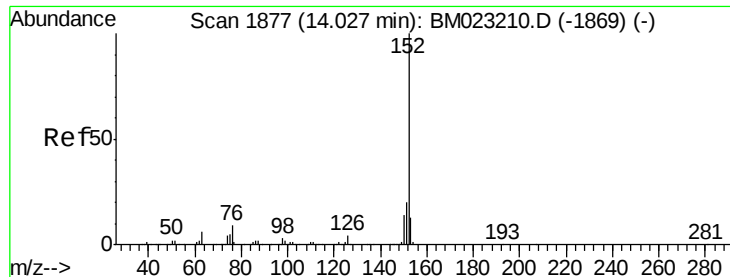
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#45
Dimethylphthalate
Concen: 6.307 ng/ul
RT: 13.77 min Scan# 1834
Delta R.T. -0.00 min
Lab File: BM023217.D
Acq: 17 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	9.6	8.0	12.0





#48

Acenaphthylene

Concen: 8.253 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BM023217.D

Acq: 17 Oct 2019 12:14

Instrument :

BNA_M

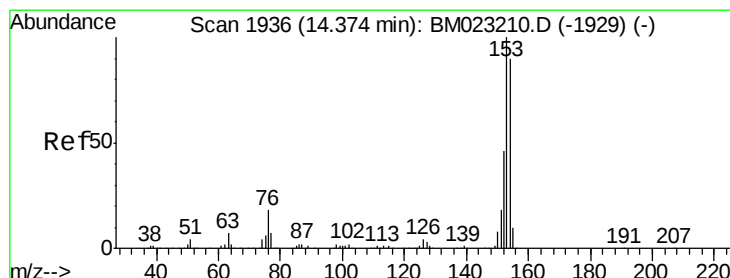
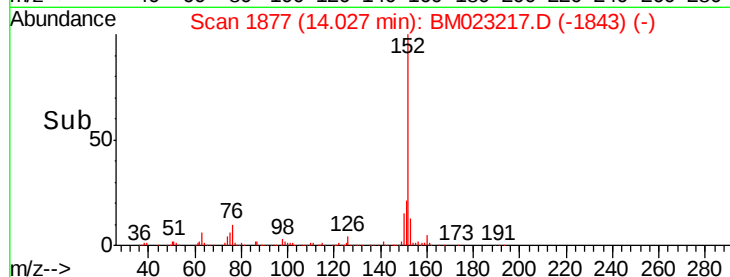
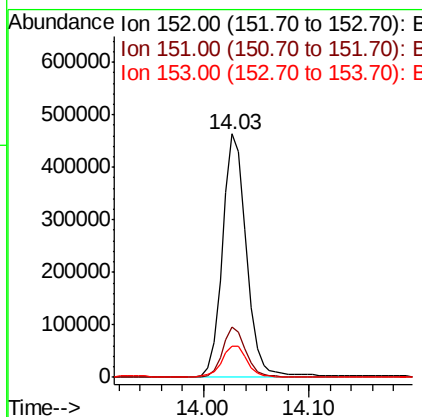
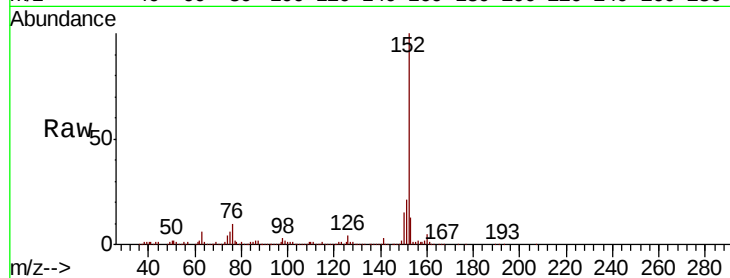
ClientSampleId :

BFB81

Tot Ion:	152	Resp:	729016
Ion Ratio	Lower	Upper	
152	100		
151	20.5	15.8	23.6
153	12.7	10.3	15.5

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#50

Acenaphthene

Concen: 2.345 ng/ul

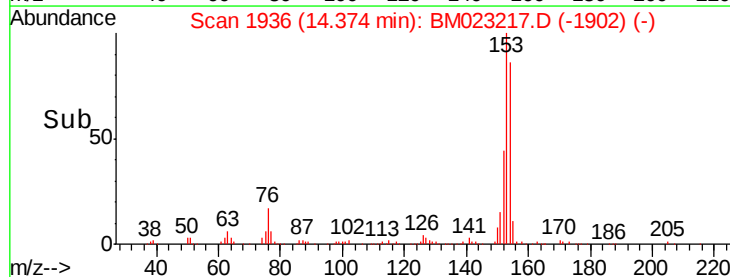
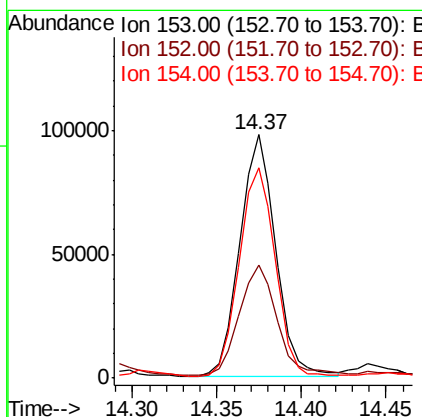
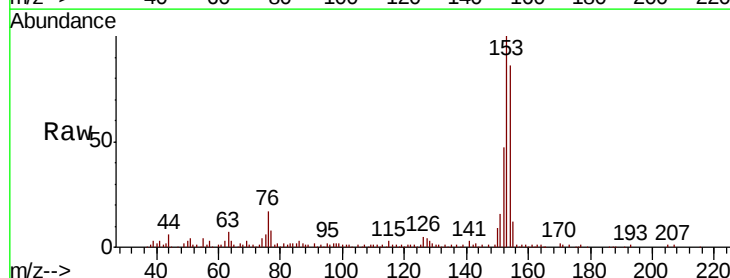
RT: 14.37 min Scan# 1936

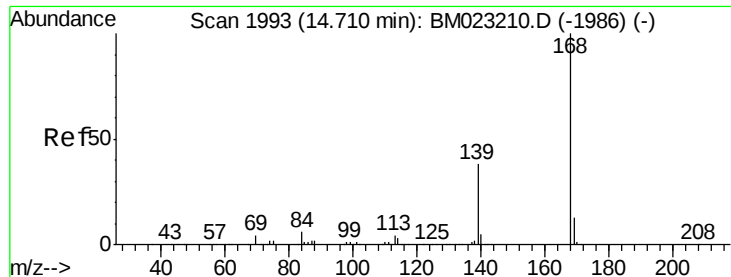
Delta R.T. -0.00 min

Lab File: BM023217.D

Acq: 17 Oct 2019 12:14

Tgt Ion:	153	Resp:	144215
Ion Ratio	Lower	Upper	
153	100		
152	46.5	38.0	57.0
154	86.5	70.4	105.6





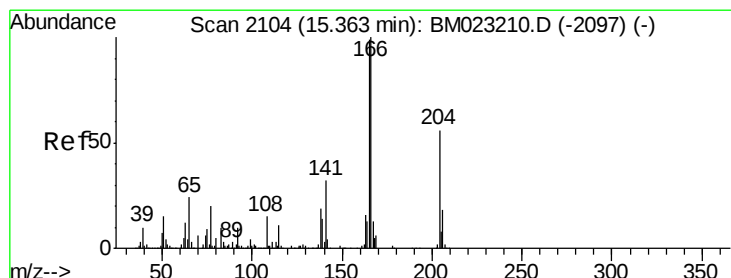
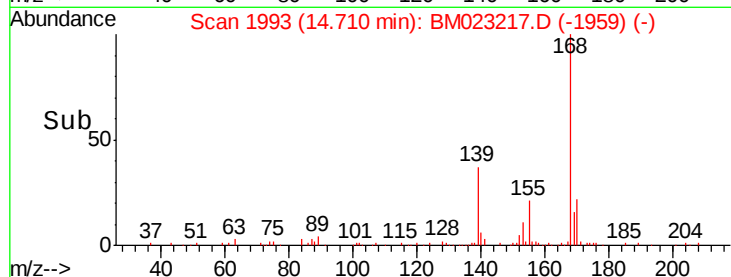
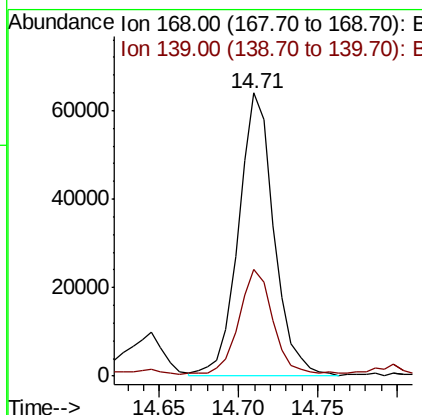
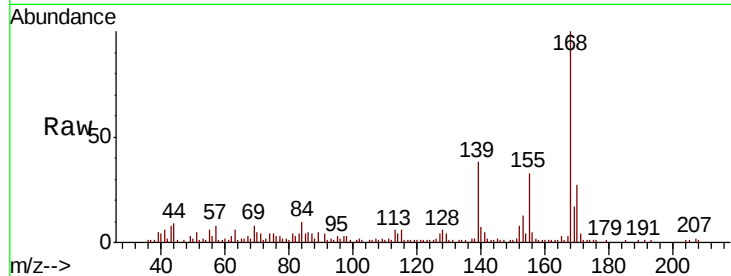
#54
Dibenzofuran
Concen: 1.137 ng/ul
RT: 14.71 min Scan# 1993
Delta R.T. -0.00 min
Lab File: BM023217.D
Acq: 17 Oct 2019 12:14

Instrument :
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BFB81

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.1	45.1

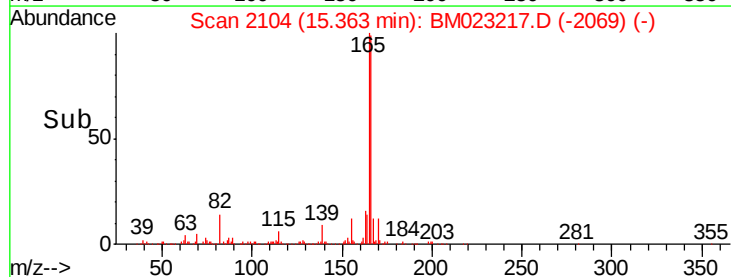
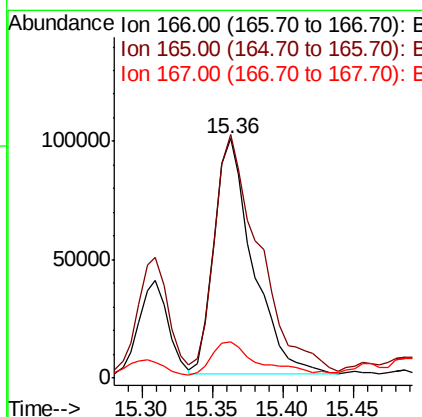
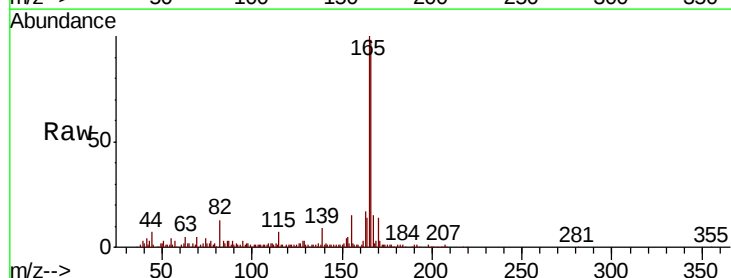
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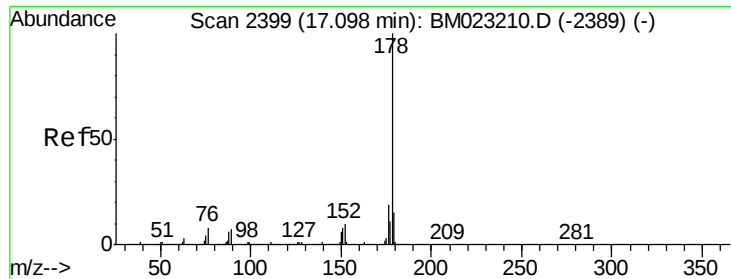
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#59
Fluorene
Concen: 2.642 ng/ul
RT: 15.36 min Scan# 2104
Delta R.T. 0.01 min
Lab File: BM023217.D
Acq: 17 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.7	77.4	116.0
167	15.2	10.8	16.2





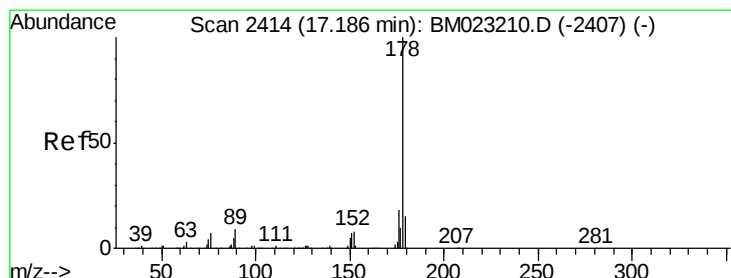
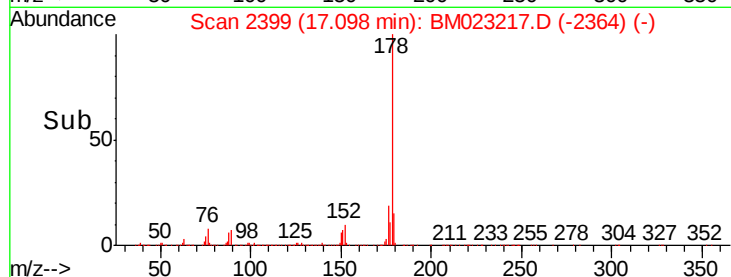
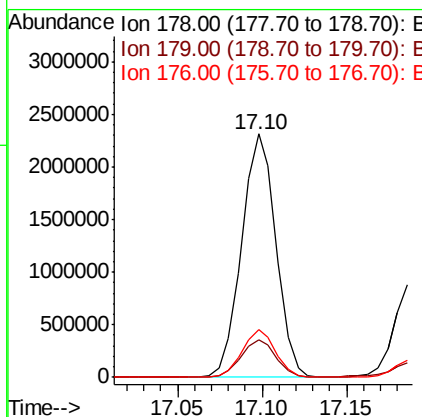
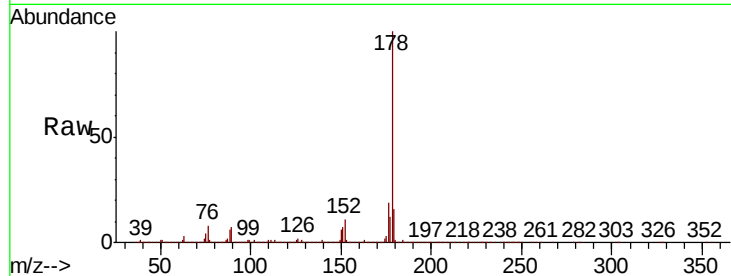
#70
Phenanthrene
Concen: 32.258 ng/ul
RT: 17.10 min Scan# 2399
Delta R.T. 0.01 min
Lab File: BM023217.D
Acq: 17 Oct 2019 12:14

Instrument :
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Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	19.4	15.5	23.3

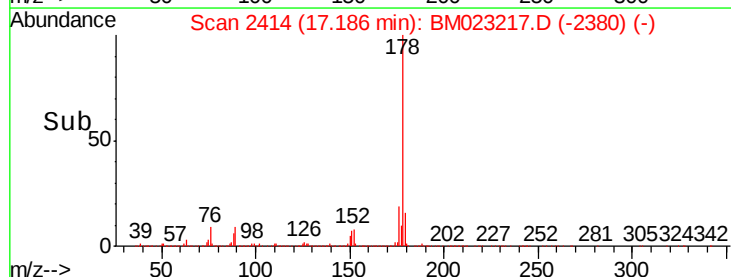
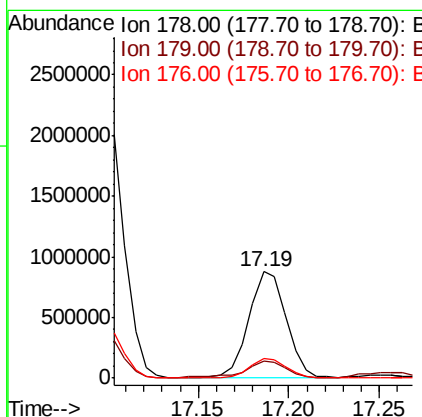
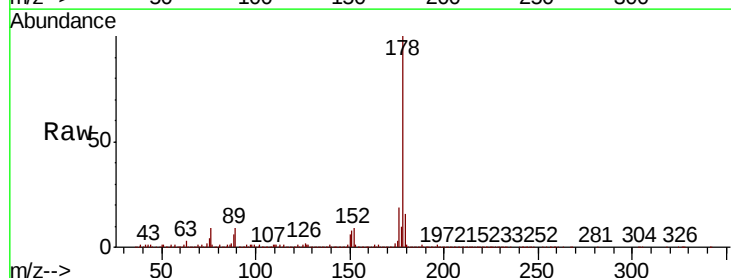
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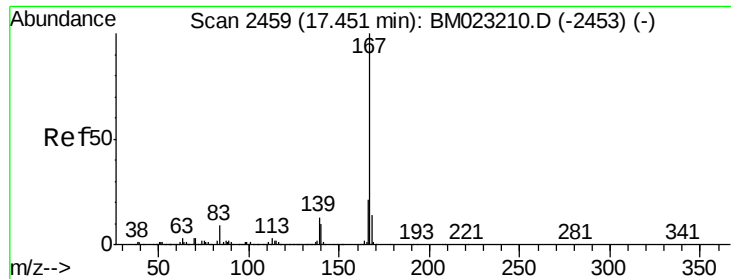
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#72
Anthracene
Concen: 11.926 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BM023217.D
Acq: 17 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.3	18.5
176	18.7	15.0	22.4





#75

Carbazole

Concen: 1.401 ng/ul

RT: 17.45 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BM023217.D

Acq: 17 Oct 2019 12:14

Instrument :

BNA_M

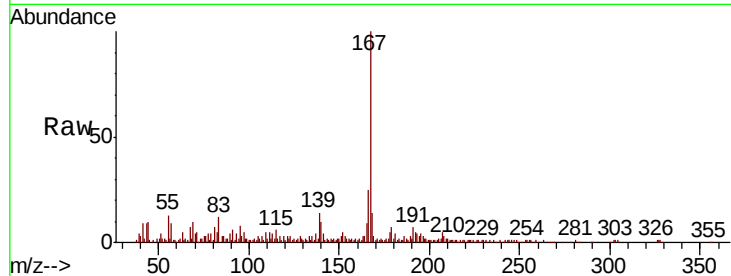
ClientSampleId :

BFB81

Tot Ion:	167	Resp:	130648
Ion Ratio	Lower	Upper	
167	100		
166	25.1	17.4	26.0
139	13.6	10.2	15.2

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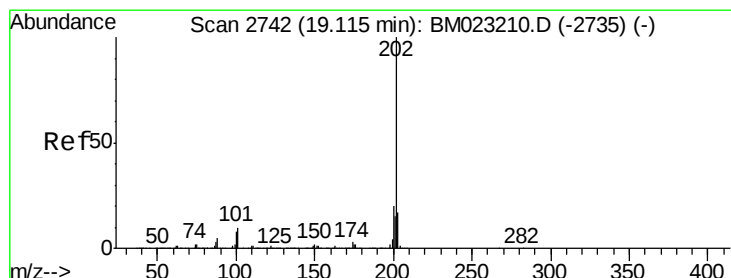
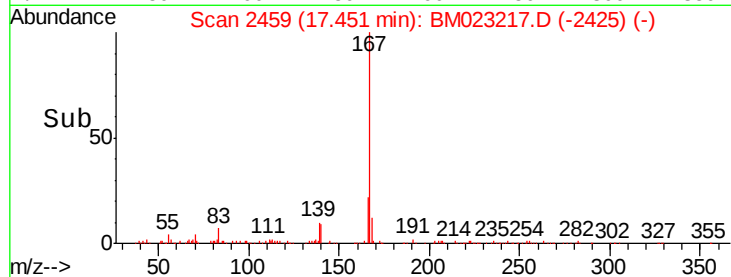
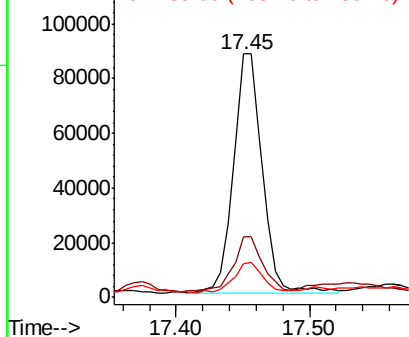


Abundance

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: 62.383 ng/ul

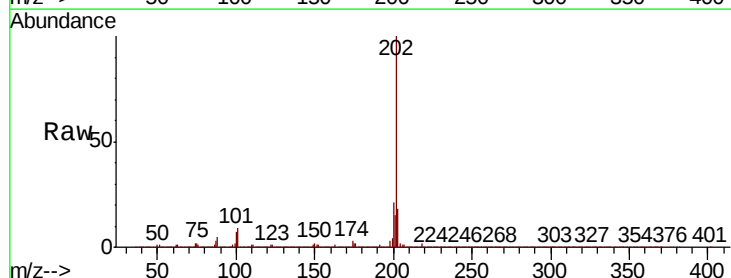
RT: 19.12 min Scan# 2743

Delta R.T. 0.01 min

Lab File: BM023217.D

Acq: 17 Oct 2019 12:14

Tgt Ion:	202	Resp:	7495531
Ion Ratio	Lower	Upper	
202	100		
101	9.5	7.8	11.8
100	7.3	6.1	9.1

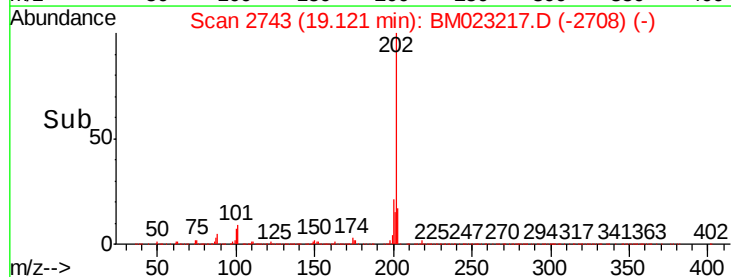
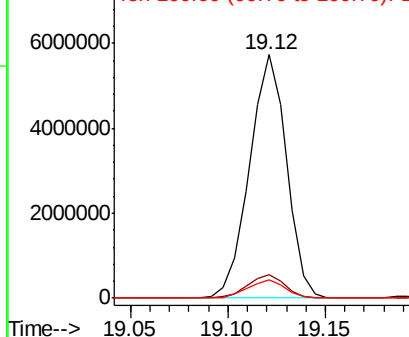


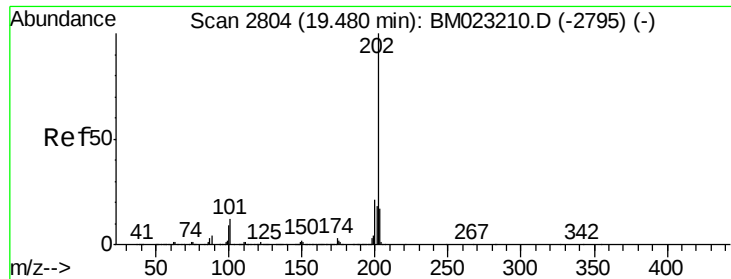
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





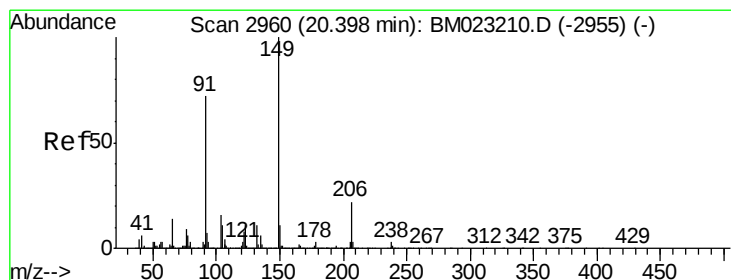
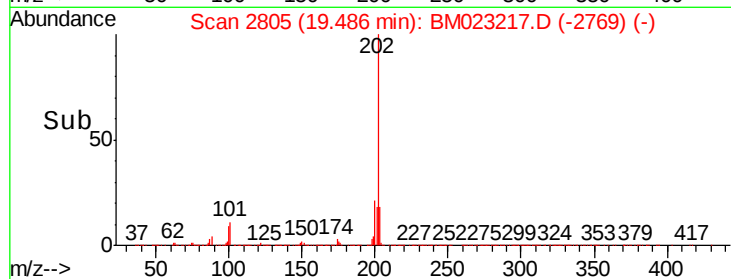
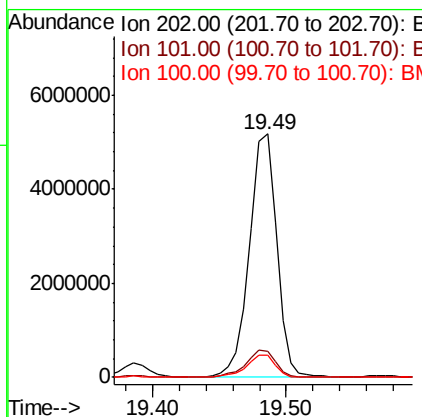
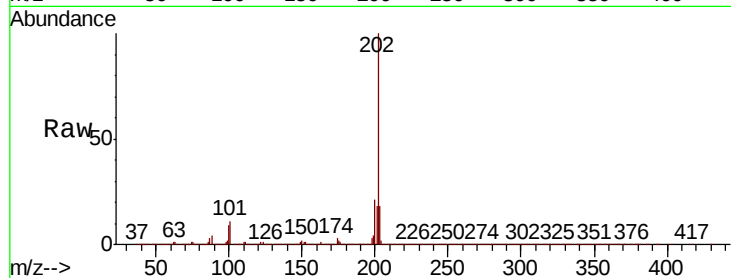
#80
Pvrene
Concen: 63.356 ng/ul
RT: 19.49 min Scan# 2805
Delta R.T. 0.01 min
Lab File: BM023217.D
Acq: 17 Oct 2019 12:14

Instrument :
BNA_M
ClientSampleId :
BFB81

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.1	13.7
100	8.9	7.5	11.3

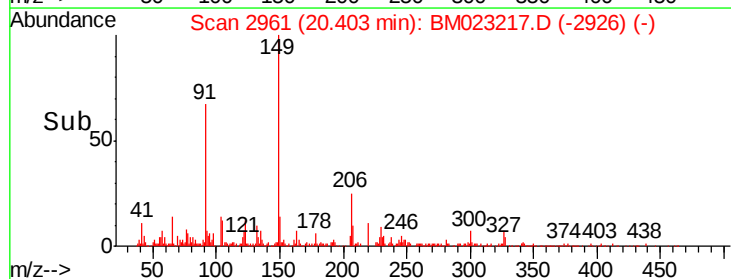
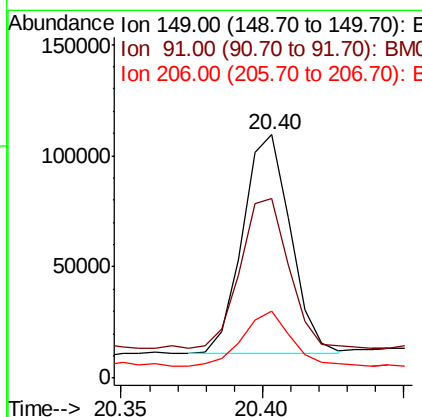
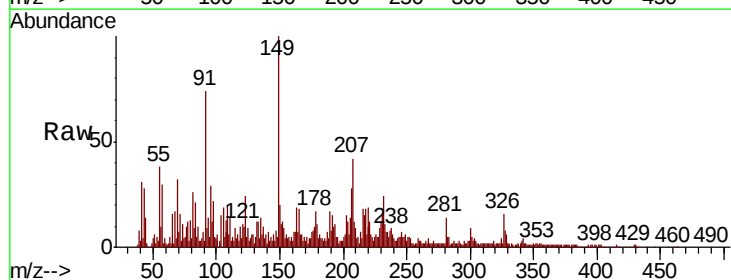
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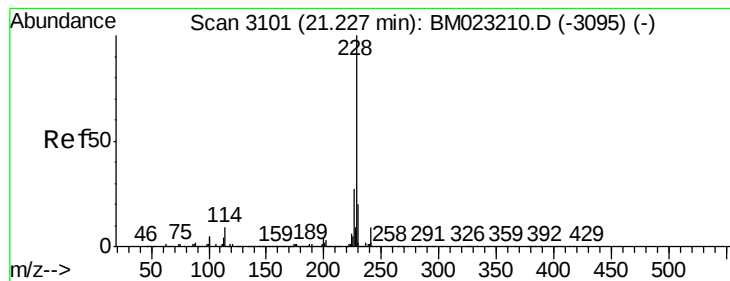
mohammad
10/18/2019 8:28:05 AM



#81
Butylbenzylphthalate
Concen: 2.883 ng/ul
RT: 20.40 min Scan# 2961
Delta R.T. 0.01 min
Lab File: BM023217.D
Acq: 17 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.8	59.9	89.9
206	27.7	17.1	25.7





#83

Benzo(a)anthracene

Concen: 41.727 ng/ul m

RT: 21.23 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BM023217.D

Acq: 17 Oct 2019 12:14

Instrument :

BNA_M

ClientSampleId :

BFB81

Tot Ion:228 Resp: 5182587

Ion Ratio Lower Upper

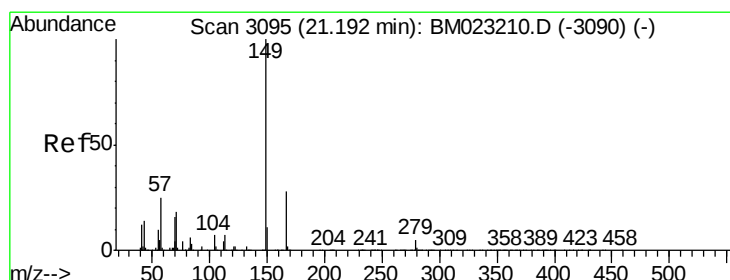
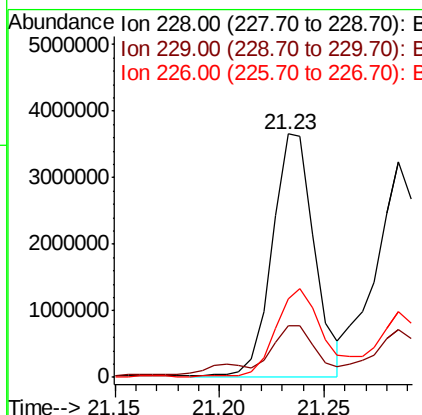
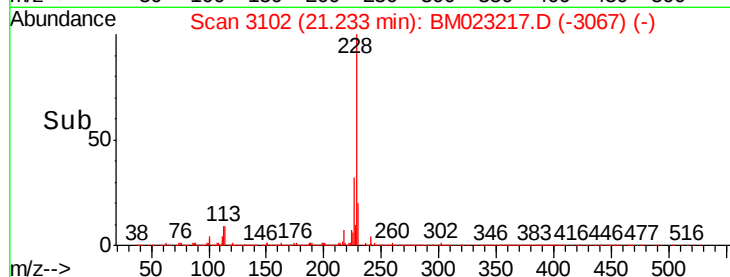
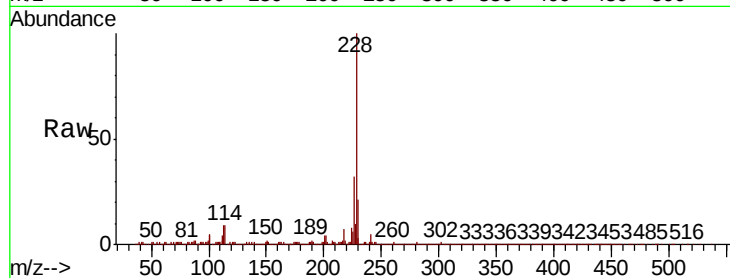
228 100

229 21.1 15.7 23.5

226 32.5 21.6 32.4#

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#84

Bis(2-ethylhexyl)phthalate

Concen: 3.170 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM023217.D

Acq: 17 Oct 2019 12:14

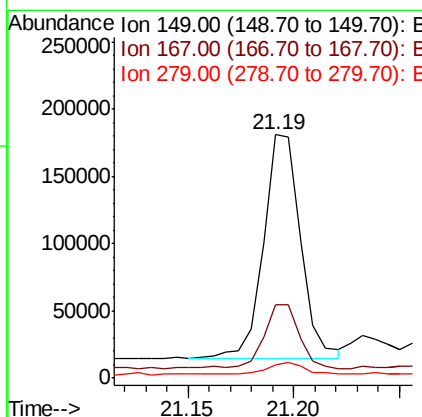
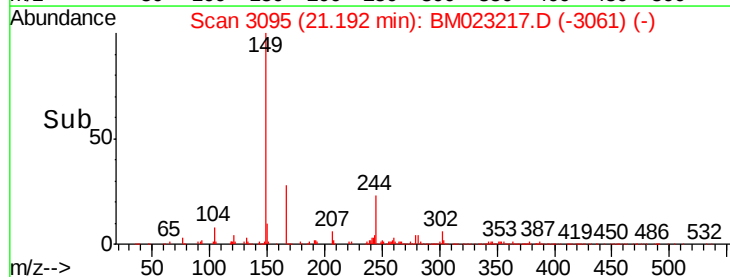
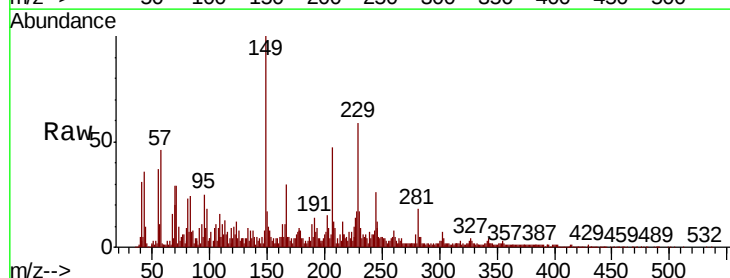
Tgt Ion:149 Resp: 201343

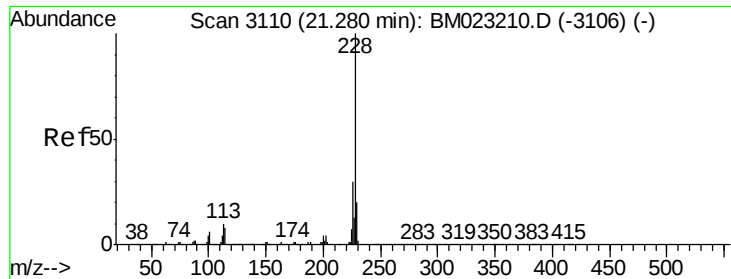
Ion Ratio Lower Upper

149 100

167 30.3 22.5 33.7

279 5.5 4.0 6.0





#85

Chrysene

Concen: 40.339 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BM023217.D

Acq: 17 Oct 2019 12:14

Instrument :

BNA_M

ClientSampleId :

BFB81

Tot Ion:228 Resp: 4652070

Ion Ratio Lower Upper

228 100

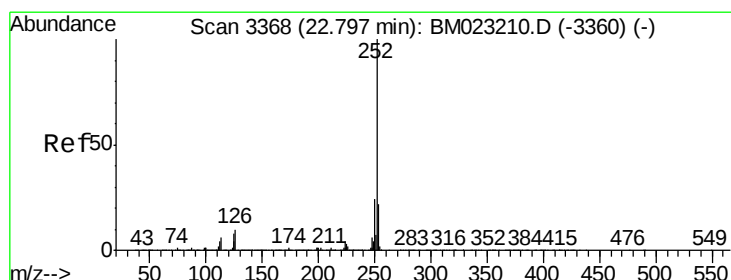
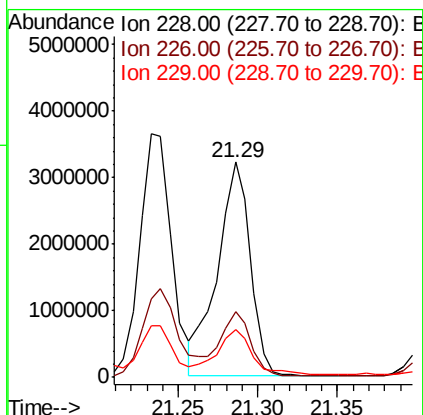
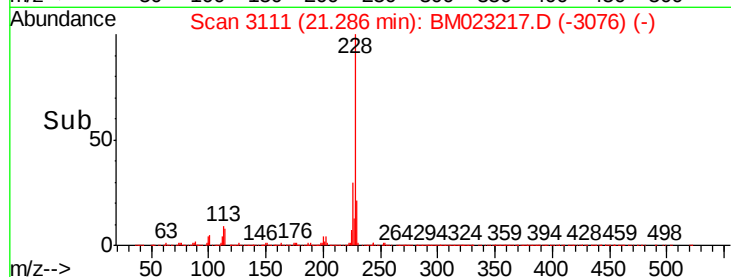
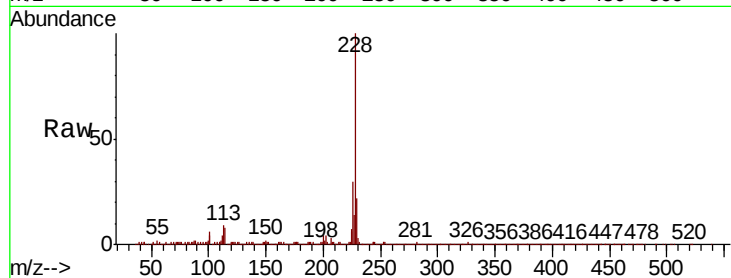
226 30.5 23.8 35.6

229 22.4 15.5 23.3

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#88

Benzo(b)fluoranthene

Concen: 50.397 ng/ul

RT: 22.81 min Scan# 3370

Delta R.T. 0.02 min

Lab File: BM023217.D

Acq: 17 Oct 2019 12:14

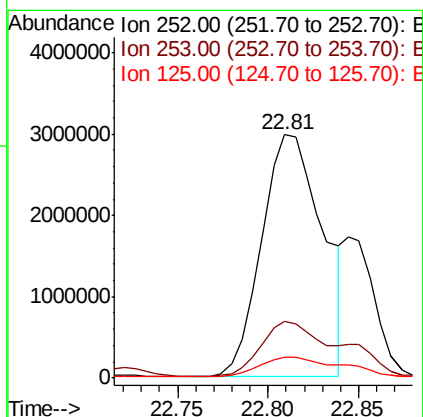
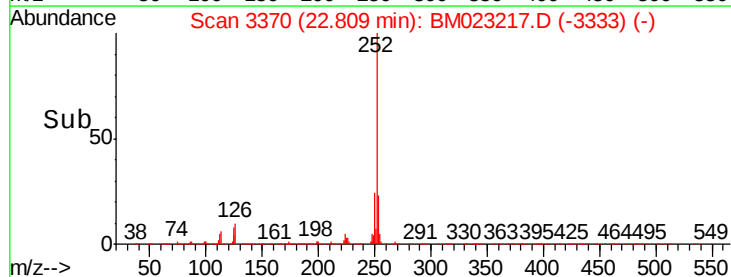
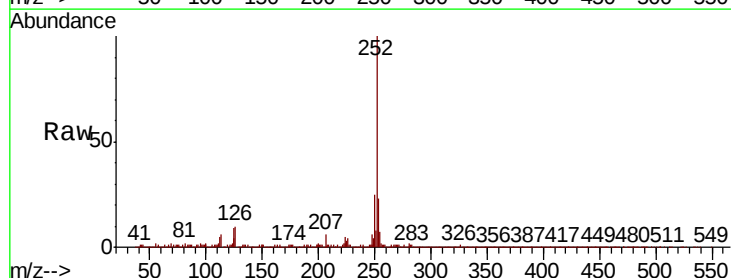
Tgt Ion:252 Resp: 7002171

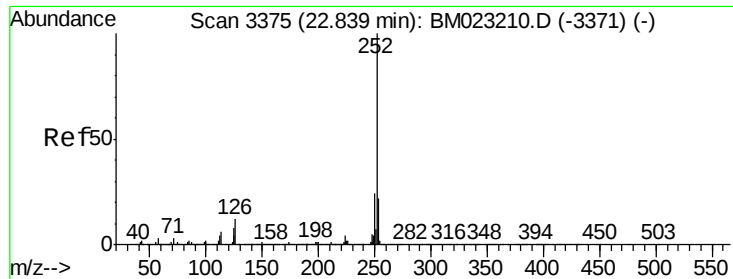
Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 8.7 6.4 9.6





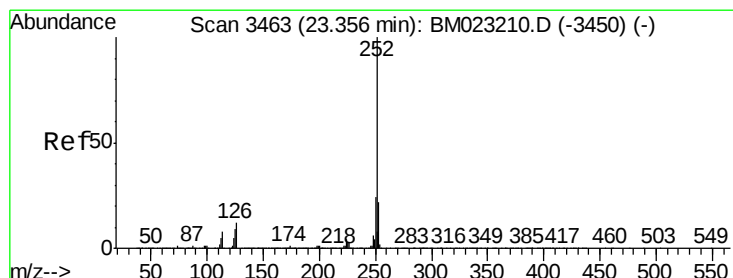
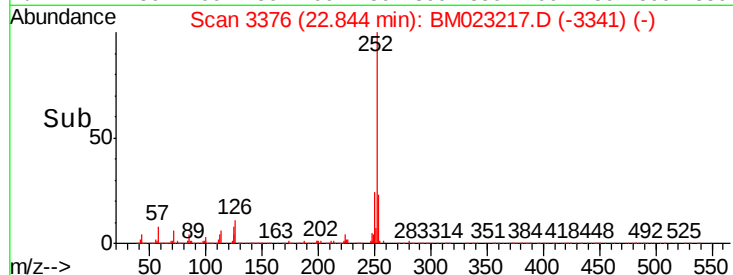
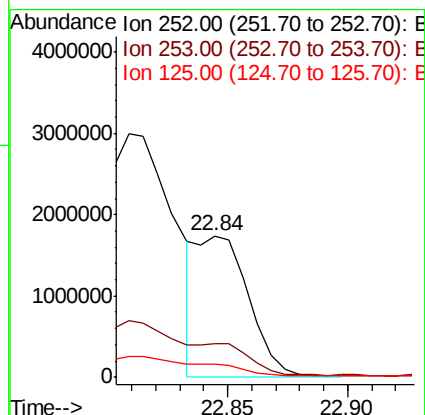
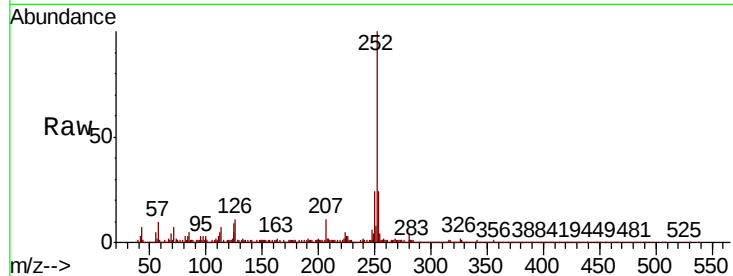
#89
Benzo(k)fluoranthene
Concen: 19.698 ng/ul m
RT: 22.84 min Scan# 3376
Delta R.T. 0.01 min
Lab File: BM023217.D
Acq: 17 Oct 2019 12:14

Instrument :
BNA_M
ClientSampleId :
BFB81

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	9.0	6.5	9.7

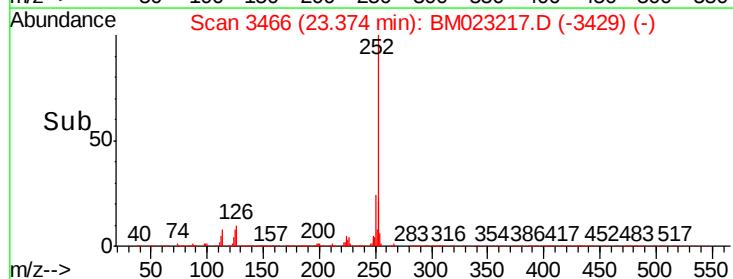
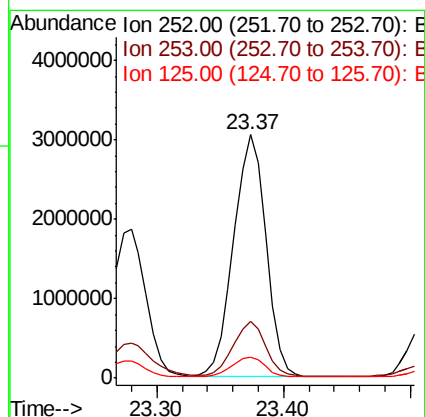
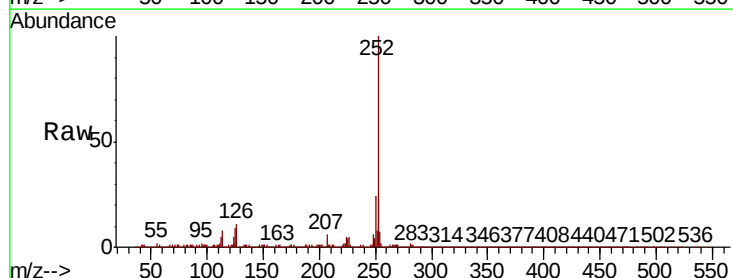
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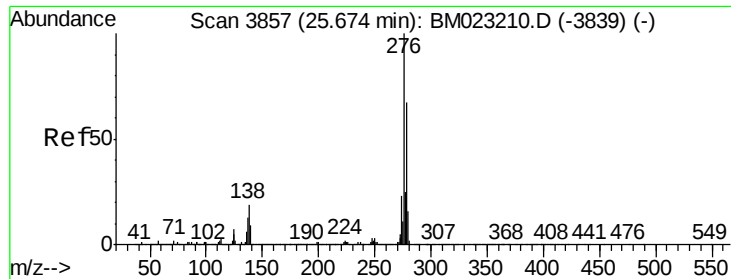
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#91
Benzo(a)pyrene
Concen: 40.503 ng/ul
RT: 23.37 min Scan# 3466
Delta R.T. 0.02 min
Lab File: BM023217.D
Acq: 17 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	8.7	7.4	11.0





#92

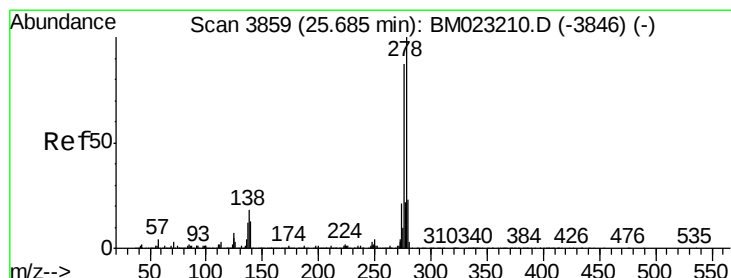
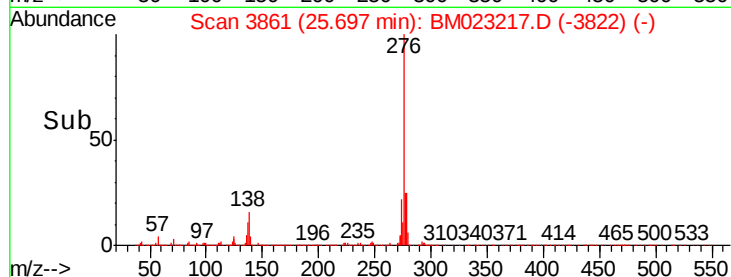
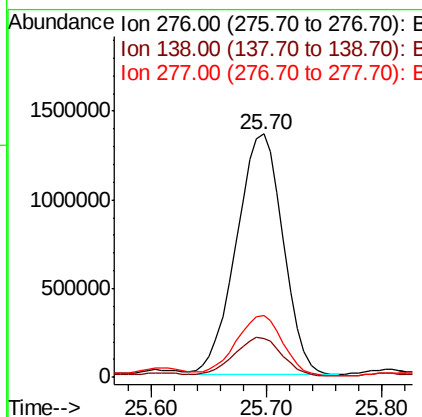
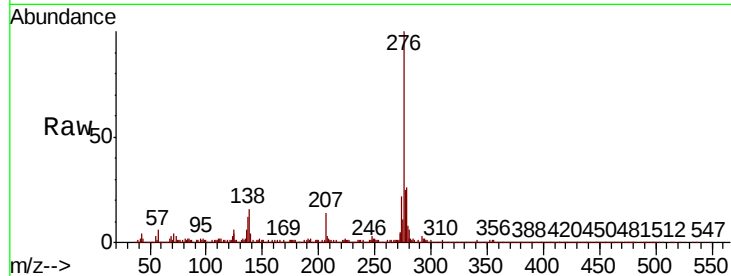
Indeno(1,2,3-cd)pyrene
Concen: 24.091 ng/ul
RT: 25.70 min Scan# 3861
Delta R.T. 0.03 min
Lab File: BM023217.D
Acq: 17 Oct 2019 12:14

Instrument :
BNA_M
ClientSampleId :
BFB81

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.2	14.9	22.3
277	25.4	19.8	29.8

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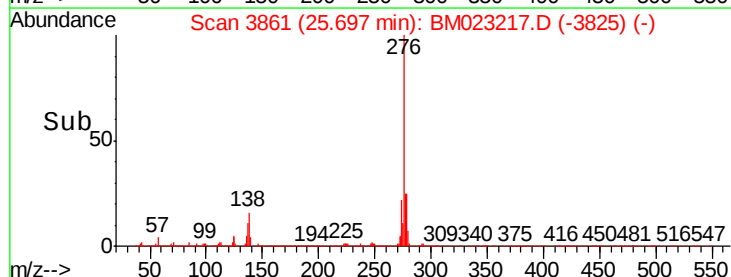
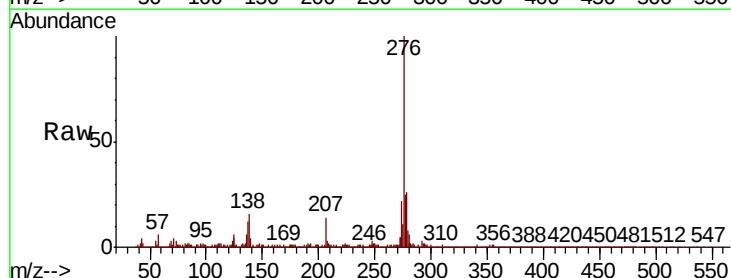
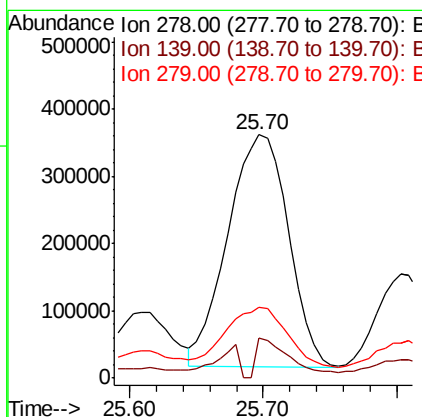
mohammad
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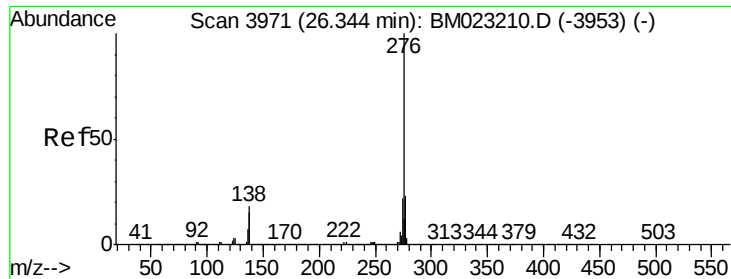


#93

Dibenzo(a,h)anthracene
Concen: 8.233 ng/ul
RT: 25.70 min Scan# 3861
Delta R.T. 0.01 min
Lab File: BM023217.D
Acq: 17 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.2	10.0	15.0#
279	29.1	19.4	29.0#





#94
 Benzo(a,h,i)perylene
 Concen: 27.696 ng/ul
 RT: 26.37 min Scan# 3976
 Delta R.T. 0.04 min
 Lab File: BM023217.D
 Acq: 17 Oct 2019 12:14

Instrument :
 BNA_M
 ClientSampleId :
 BFB81

Tot Ion:	276	Resp:	3616060
Ion	Ratio	Lower	Upper
276	100		
138	17.4	14.4	21.6
277	24.1	19.4	29.2

Manual Integrations
 APPROVED

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 10/18/2019 8:28:05 AM

