

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
 Data File : BM023200.D
 Acq On : 16 Oct 2019 20:57
 Operator : JU
 Sample : K5262-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFB68

Manual Integrations
 APPROVED

mohammad
 10/18/2019 8:27:04 AM

Quant Time: Oct 17 05:42:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 17 04:31:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	365671	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1483404	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	900797	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1779639	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1878215	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2283699	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	25213	3.03	ng/uL	0.00
5) Phenol-d5	6.83	99	506462	15.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	290705	16.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	406419	16.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	398793	15.59	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	188313	18.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	198921	20.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	425791	17.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	246545	8.34	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1260245	18.26	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1493160	18.44	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	152839	13.68	ng/ul	0.00
58) Fluorene-d10	15.30	176	1089217	18.52	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	95844	13.58	ng/ul	0.00
71) Anthracene-d10	17.15	188	1684993	19.64	ng/ul	0.00
79) Pyrene-d10	19.45	212	1863777	20.49	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	2304041	19.90	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.86	94	93245	2.839	ng/ul 98
28) Naphthalene	10.49	128	440999	5.752	ng/ul 99
34) 2-Methylnaphthalene	12.12	142	211304	3.704	ng/ul 97
45) Dimethylphthalate	13.77	163	449973	6.512	ng/ul 99
48) Acenaphthylene	14.03	152	1095054	13.228	ng/ul 99
50) Acenaphthene	14.37	153	240064	4.165	ng/ul 98
54) Dibenzofuran	14.71	168	114457	1.399	ng/ul 97
59) Fluorene	15.36	166	260953	3.887	ng/ul# 97
70) Phenanthrene	17.10	178	3092225	30.961	ng/ul 99
72) Anthracene	17.19	178	1156546	11.206	ng/ul 100
75) Carbazole	17.45	167	165171	1.791	ng/ul 94
76) Di-n-butylphthalate	18.04	149	115846	1.056	ng/ul# 90
77) Fluoranthene	19.12	202	5707018	48.047	ng/ul 100
80) Pyrene	19.48	202	6059375	51.498	ng/ul 100
81) Butylbenzylphthalate	20.40	149	255424	6.242	ng/ul 95
83) Benzo(a)anthracene	21.23	228	4212744m	33.103	ng/ul
84) Bis(2-ethylhexyl)phthalate	21.19	149	158077	2.429	ng/ul 95
85) Chrysene	21.29	228	4186966	35.432	ng/ul 97
88) Benzo(b)fluoranthene	22.80	252	5641831	40.746	ng/ul 97
89) Benzo(k)fluoranthene	22.84	252	1623029m	12.208	ng/ul
91) Benzo(a)pyrene	23.37	252	4514764	33.986	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.69	276	3309484	20.942	ng/ul 99
93) Dibenzo(a,h)anthracene	25.69	278	965366	7.306	ng/ul# 91

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	26.37	276	3417491	26.265	ng/ul	99

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

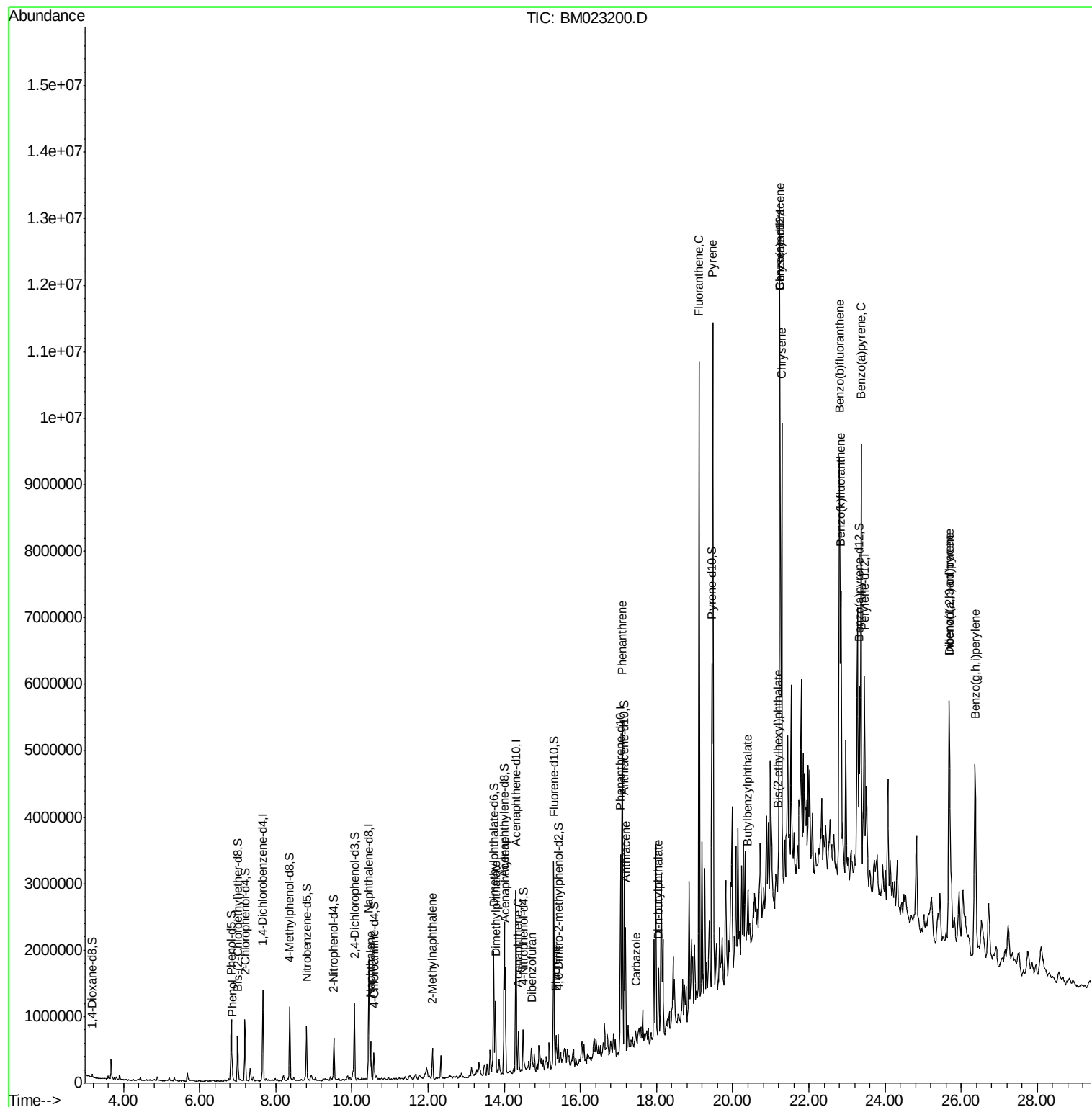
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
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ALS Vial : 7 Sample Multiplier: 1

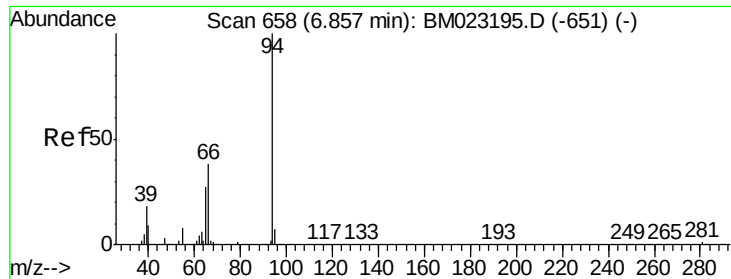
Instrument :
BNA_M
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Response via : Initial Calibration





#6

Phenol

Concen: 2.839 ng/ul

RT: 6.86 min Scan# 658

Delta R.T. 0.00 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

Instrument :

BNA_M

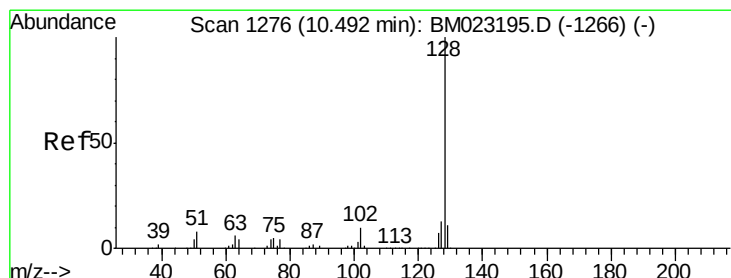
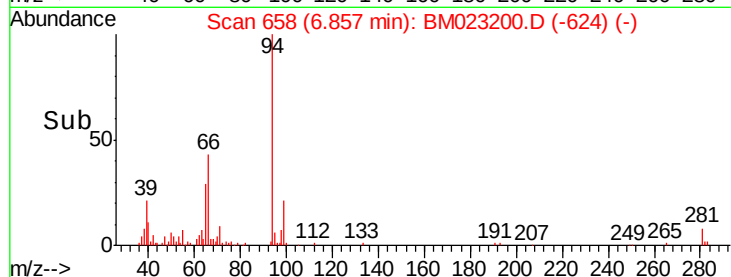
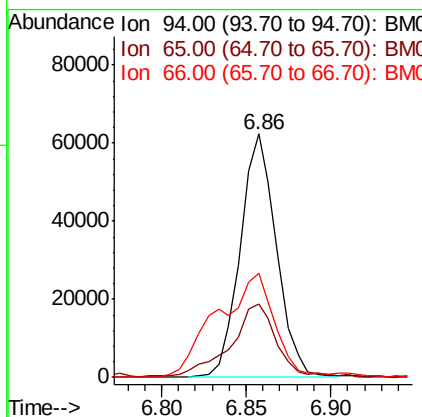
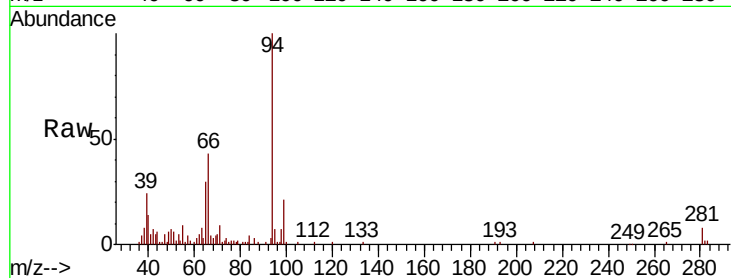
ClientSampleId :

BFB68

Tot Ion:	94	Resp:	93245
Ion	Ratio	Lower	Upper
94	100		
65	30.2	23.7	35.5
66	42.9	32.9	49.3

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#28

Naphthalene

Concen: 5.752 ng/ul

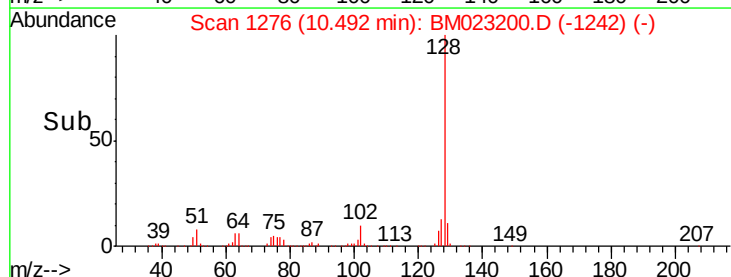
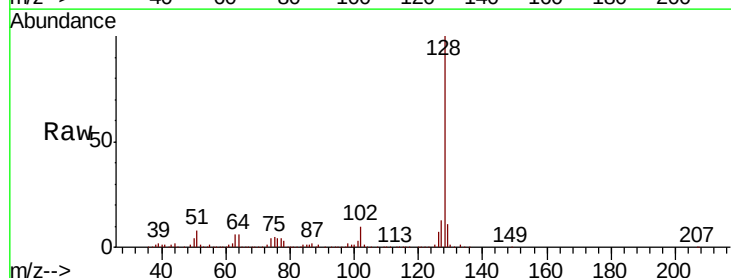
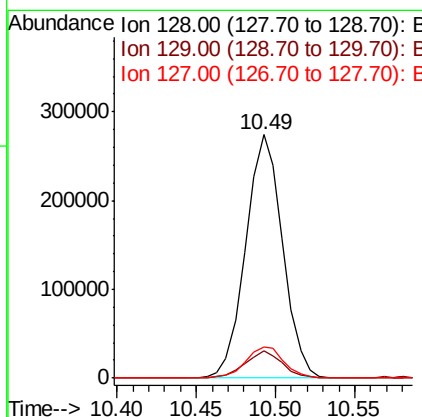
RT: 10.49 min Scan# 1276

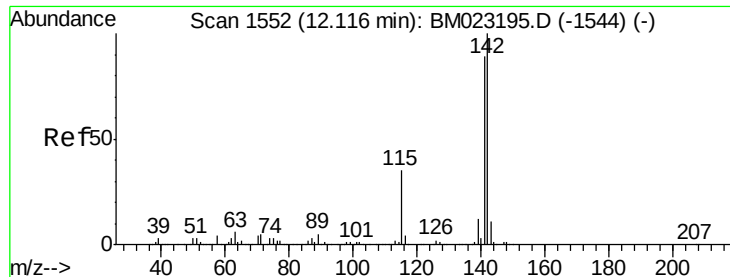
Delta R.T. -0.00 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

Tgt Ion:	128	Resp:	440999
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.3	12.5
127	12.7	10.2	15.4





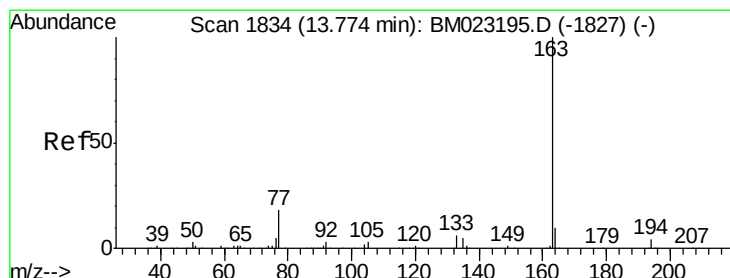
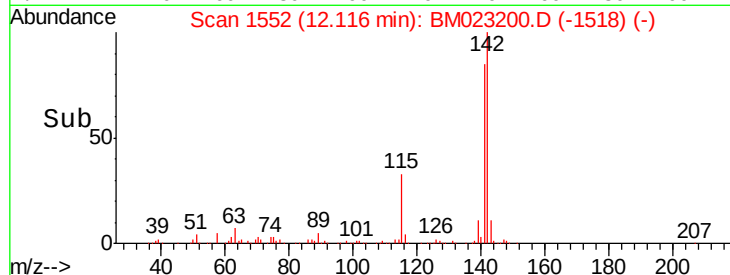
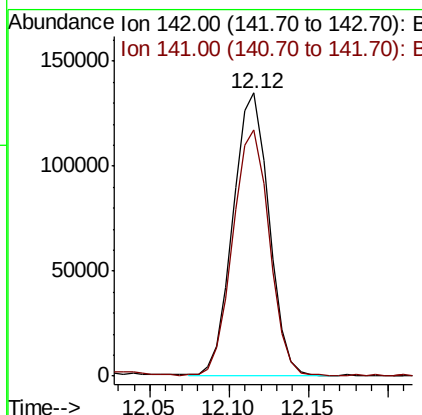
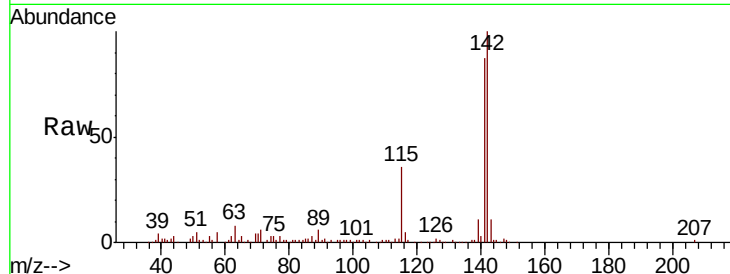
#34
 2-Methylnaphthalene
 Concen: 3.704 ng/ul
 RT: 12.12 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BM023200.D
 Acq: 16 Oct 2019 20:57

Instrument :
 BNA_M
 ClientSampleId :
 BFB68

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.9	72.1	108.1

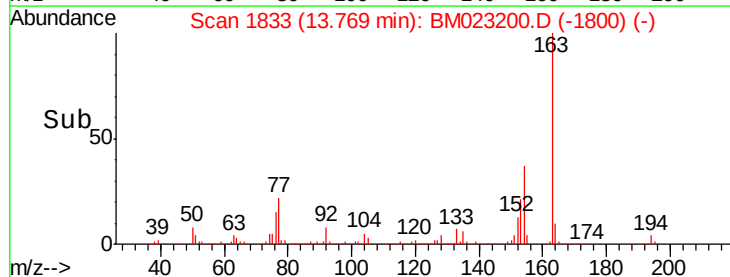
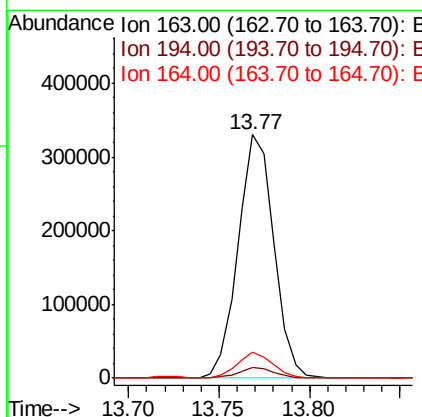
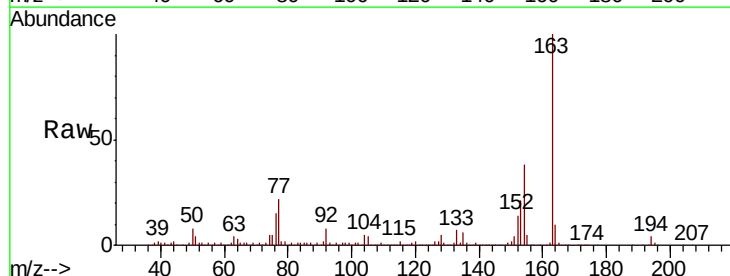
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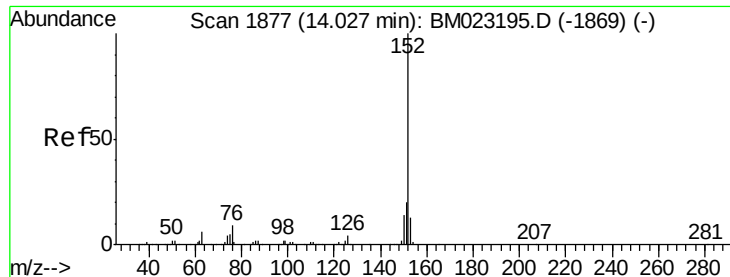
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#45
 Dimethylphthalate
 Concen: 6.512 ng/ul
 RT: 13.77 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BM023200.D
 Acq: 16 Oct 2019 20:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.5	8.0	12.0





#48

Acenaphthylene

Concen: 13.228 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

Instrument :

BNA_M

ClientSampleId :

BFB68

Tot Ion:152 Resp: 1095054

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.6

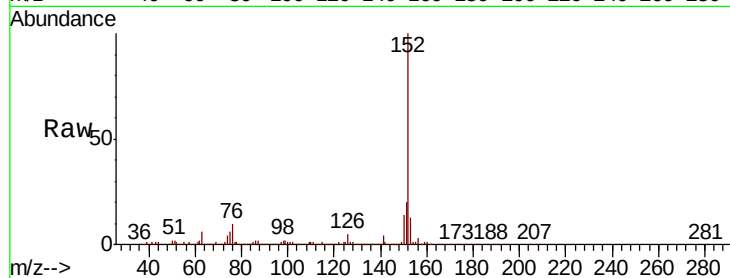
153 13.3 10.3 15.5

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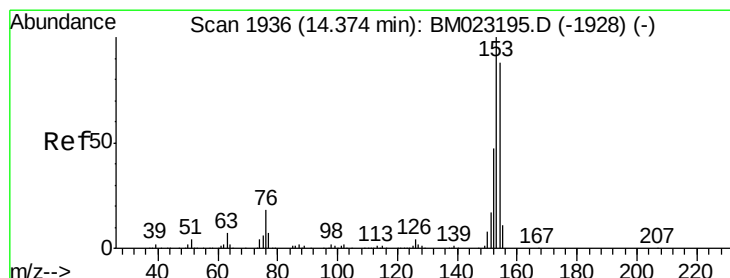
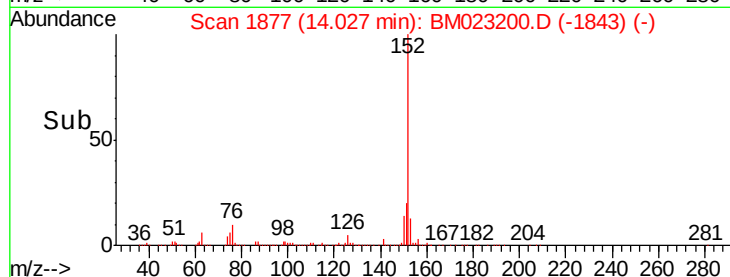
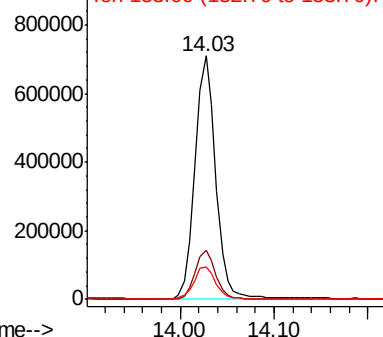
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 4.165 ng/ul

RT: 14.37 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

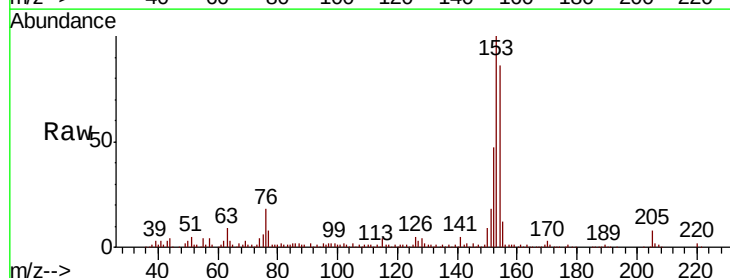
Tgt Ion:153 Resp: 240064

Ion Ratio Lower Upper

153 100

152 46.7 38.0 57.0

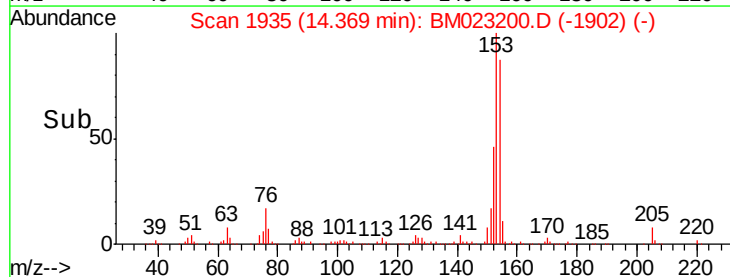
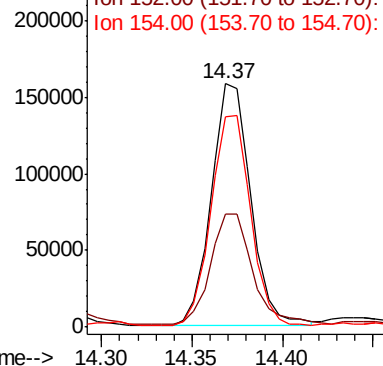
154 86.4 70.4 105.6

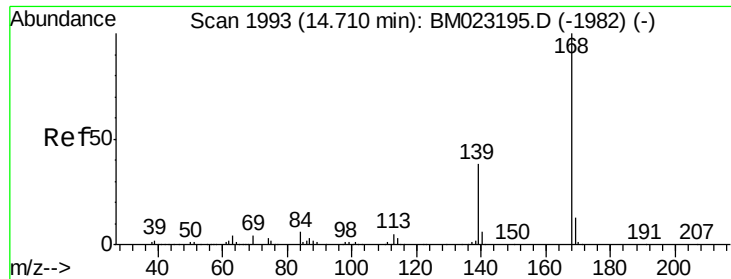


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 1.399 ng/ul

RT: 14.71 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

Instrument :

BNA_M

ClientSampleId :

BFB68

Tot Ion:168 Resp: 114457

Ion Ratio Lower Upper

168 100

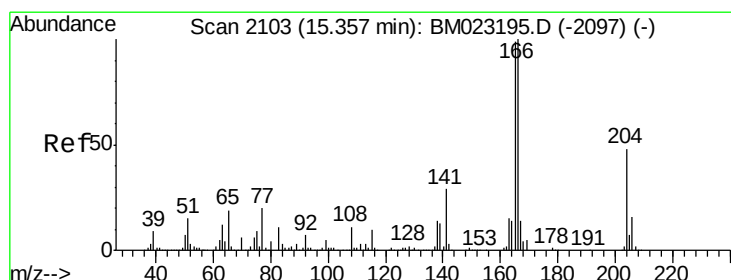
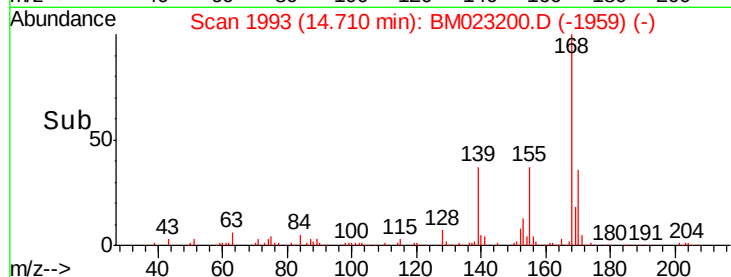
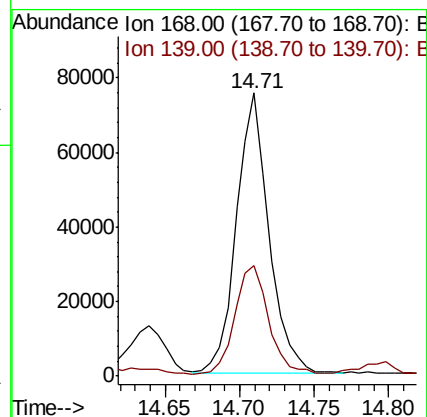
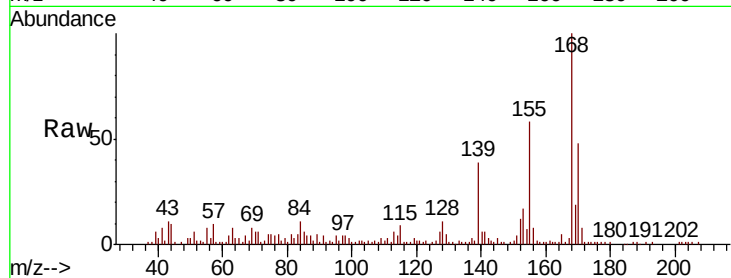
139 39.2 30.1 45.1

Manual Integrations

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#59

Fluorene

Concen: 3.887 ng/ul

RT: 15.36 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BM023200.D

Acq: 16 Oct 2019 20:57

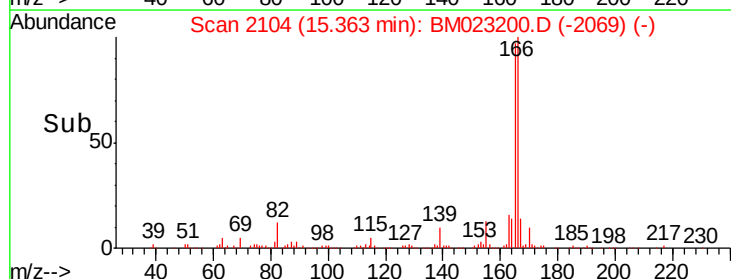
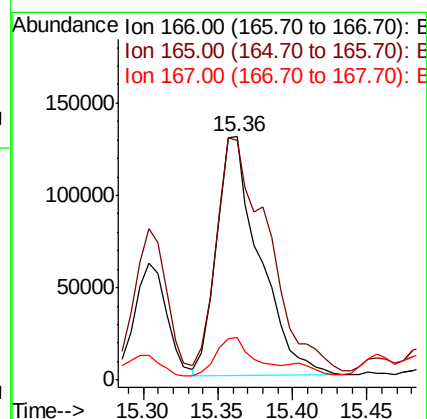
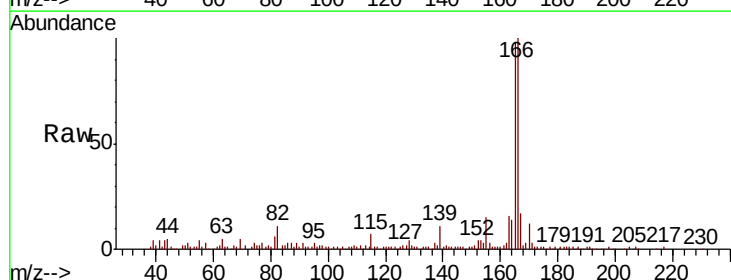
Tgt Ion:166 Resp: 260953

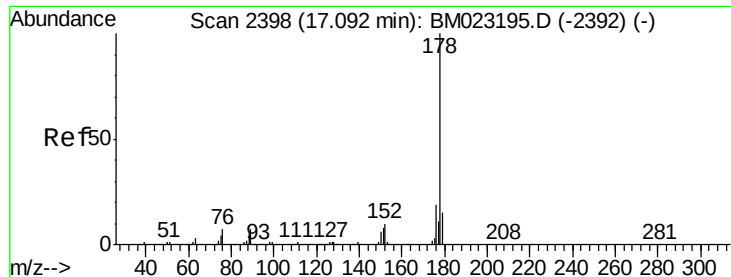
Ion Ratio Lower Upper

166 100

165 98.5 77.4 116.0

167 17.5 10.8 16.2#





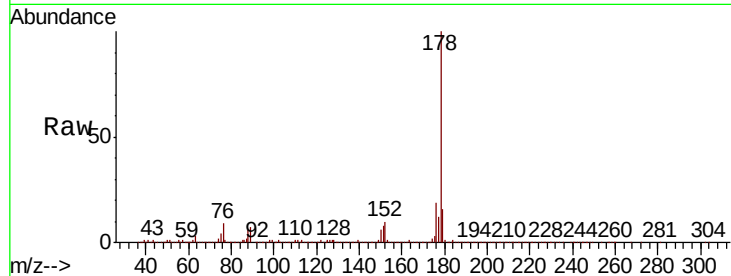
#70
Phenanthrene
Concen: 30.961 ng/ul
RT: 17.10 min Scan# 2399
Delta R.T. 0.01 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Instrument :
BNA_M
ClientSampled :
BFB68

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	19.0	15.5	23.3

Manual Integrations
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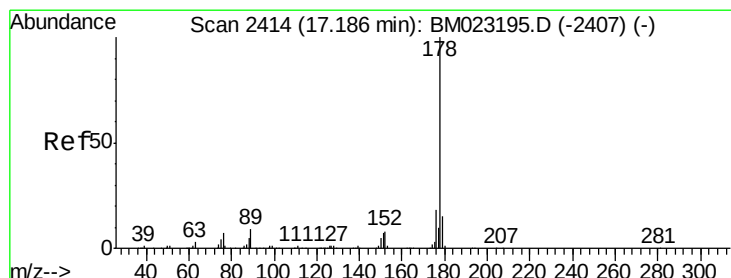
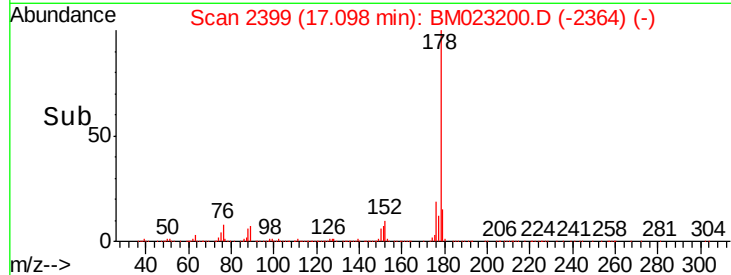
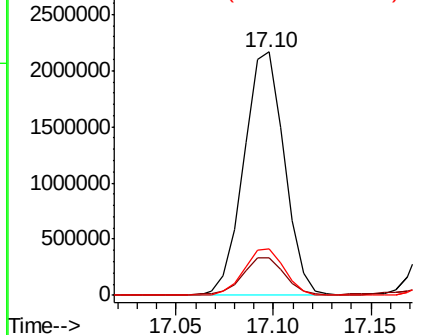


Abundance

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



#72
Anthracene
Concen: 11.206 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

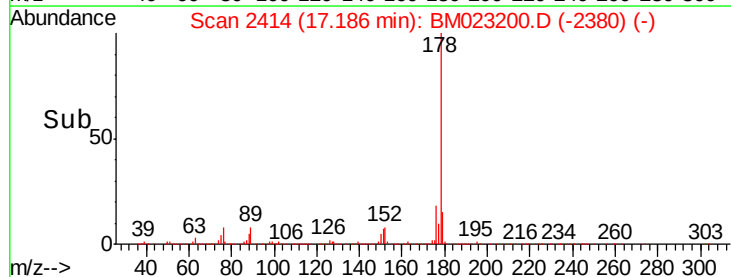
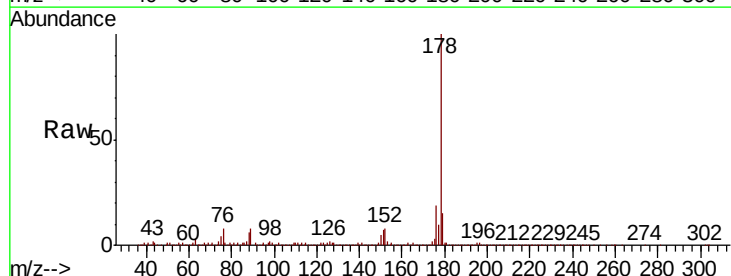
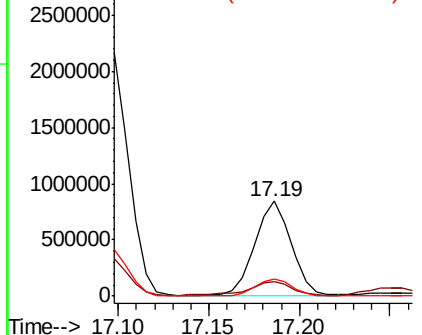
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	18.6	15.0	22.4

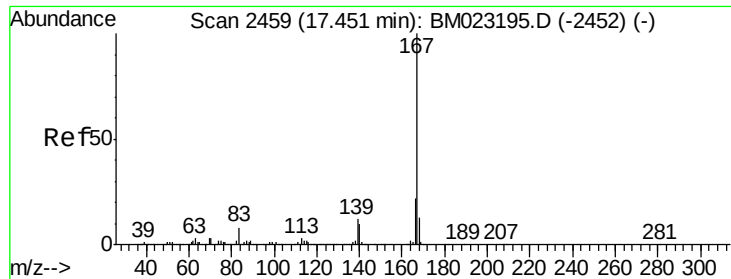
Abundance

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





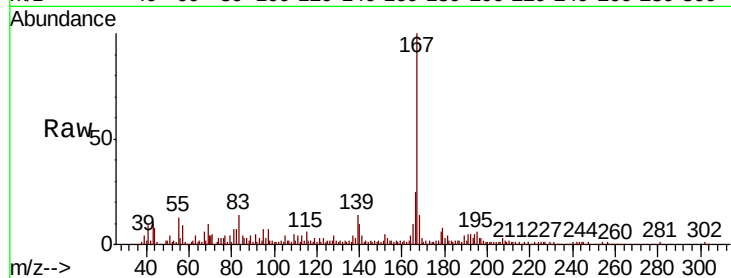
#75
 Carbazole
 Concen: 1.791 ng/ul
 RT: 17.45 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: BM023200.D
 Acq: 16 Oct 2019 20:57

Instrument :
 BNA_M
 ClientSampleId :
 BFB68

Tot Ion	Ratio	Resp	Lower	Upper
167	100	165171		
166	25.1		17.4	26.0
139	13.8		10.2	15.2

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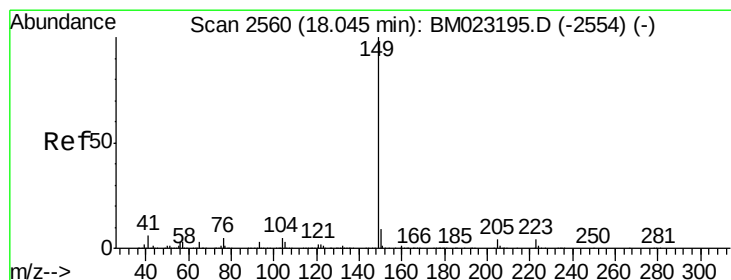
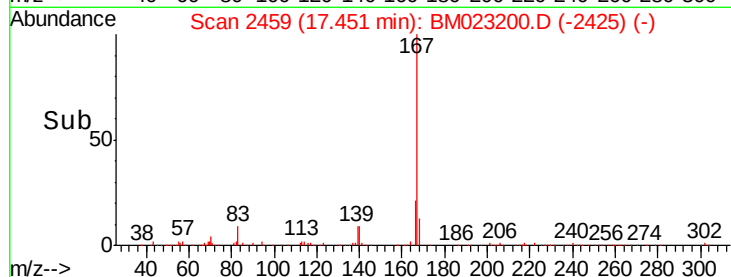
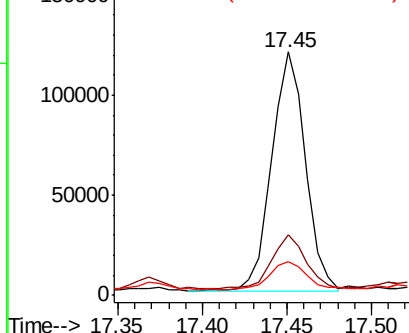


Abundance

Ion 167.00 (166.70 to 167.70): E

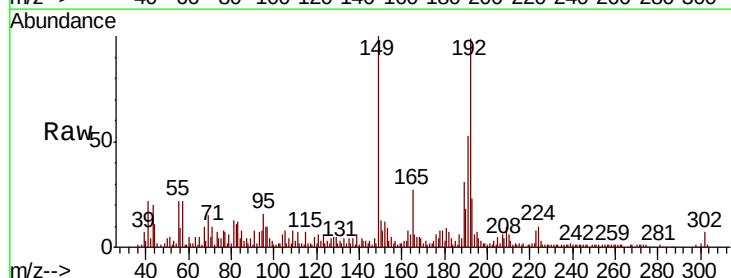
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76
 Di-n-butylphthalate
 Concen: 1.056 ng/ul
 RT: 18.04 min Scan# 2560
 Delta R.T. -0.00 min
 Lab File: BM023200.D
 Acq: 16 Oct 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	115846		
150	13.4		7.0	10.4#
104	6.4		4.0	6.0#

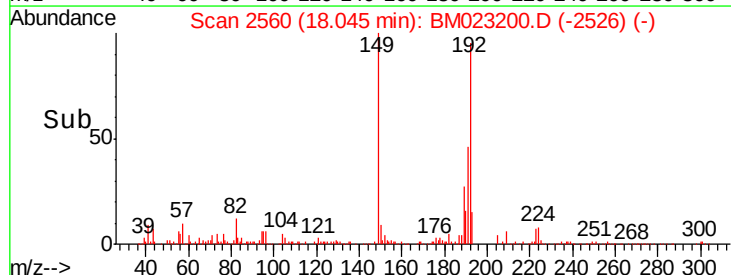
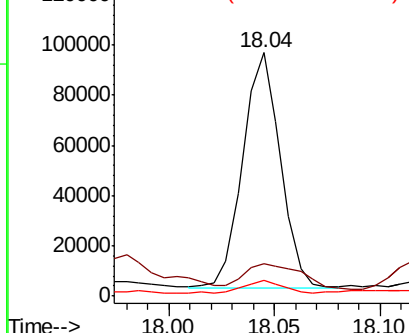


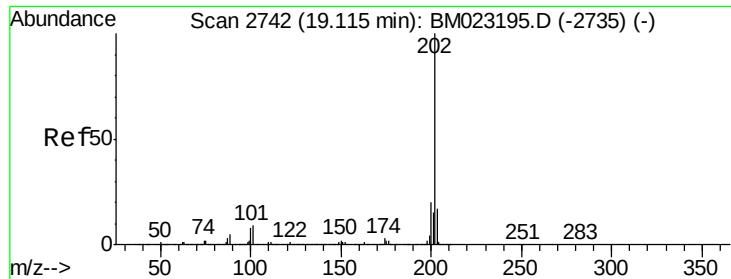
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





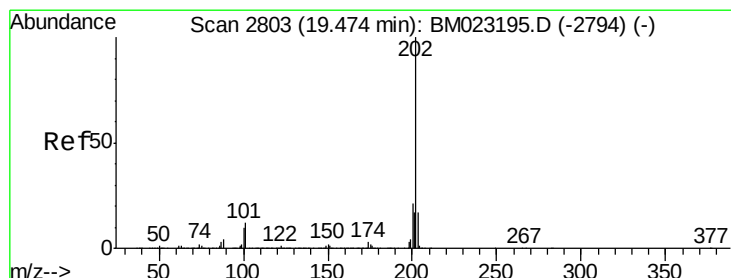
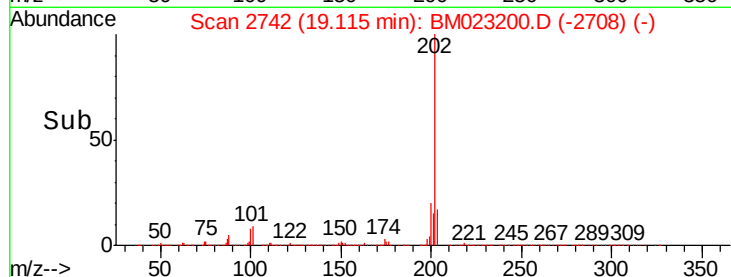
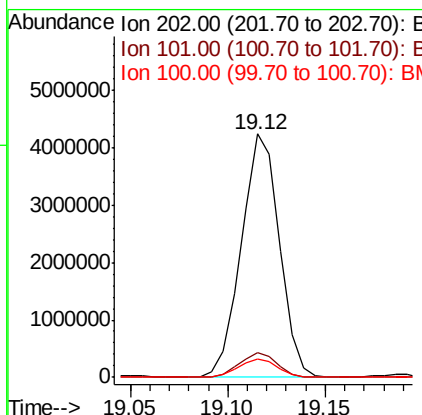
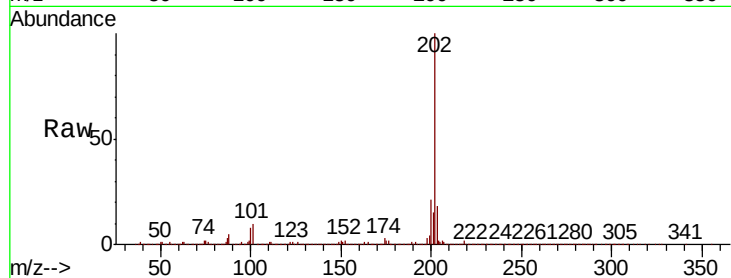
#77
Fluoranthene
Concen: 48.047 ng/ul
RT: 19.12 min Scan# 2742
Delta R.T. -0.00 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Instrument :
BNA_M
ClientSampleId :
BFB68

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.8	11.8
100	7.7	6.1	9.1

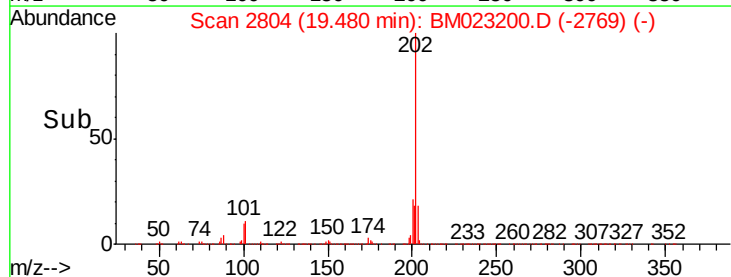
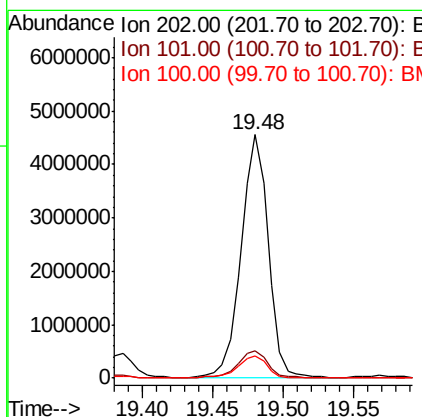
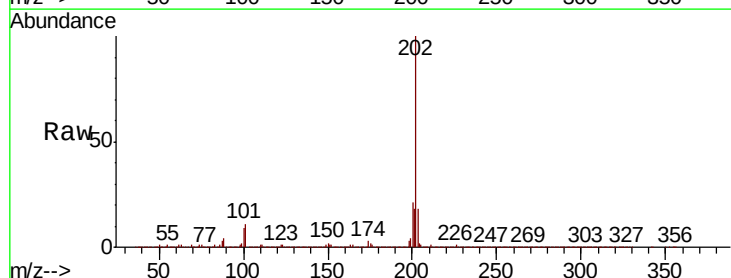
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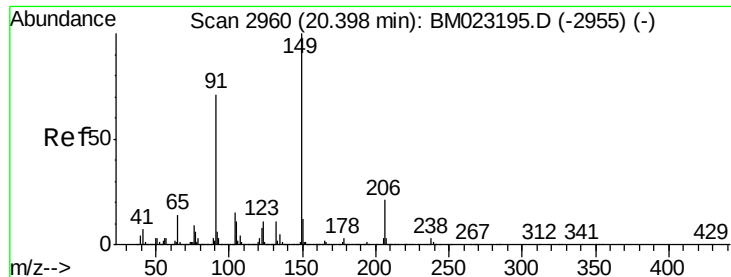
mohammad
10/18/2019 8:27:04 AM



#80
Pyrene
Concen: 51.498 ng/ul
RT: 19.48 min Scan# 2804
Delta R.T. 0.01 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.1	13.7
100	9.3	7.5	11.3





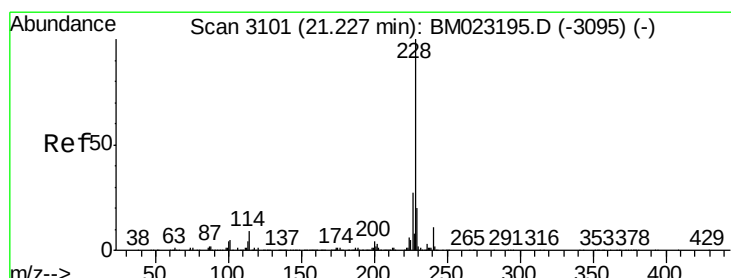
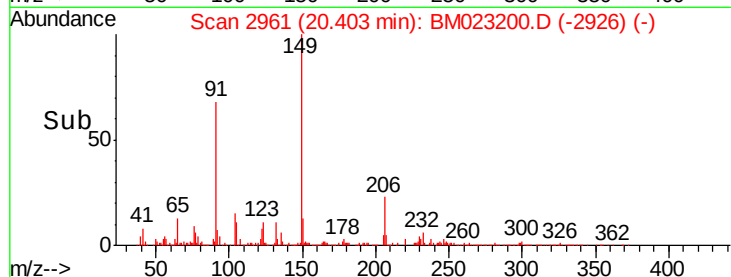
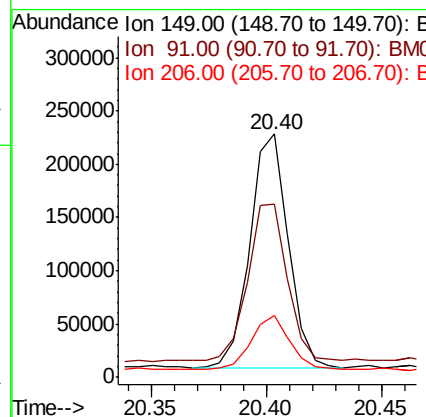
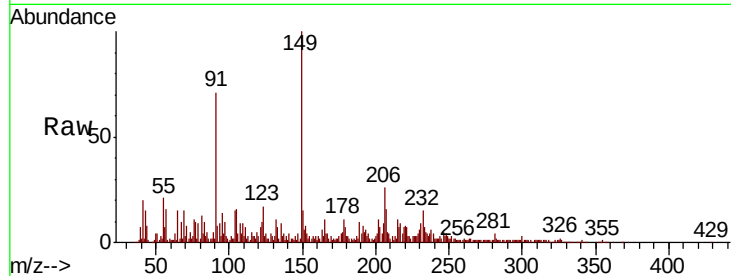
#81
Butylbenzylphthalate
Concen: 6.242 ng/ul
RT: 20.40 min Scan# 2961
Delta R.T. 0.01 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Instrument :
BNA_M
ClientSampleId :
BFB68

Tot Ion	Ratio	Lower	Upper
149	100		
91	71.2	59.9	89.9
206	25.5	17.1	25.7

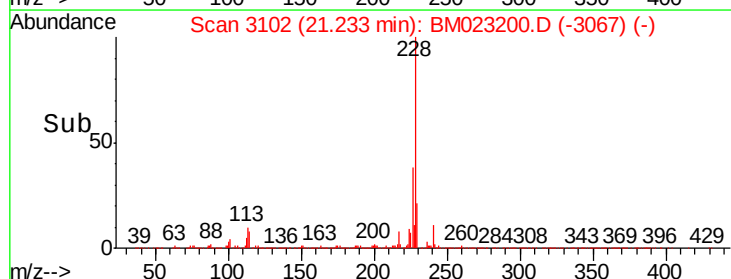
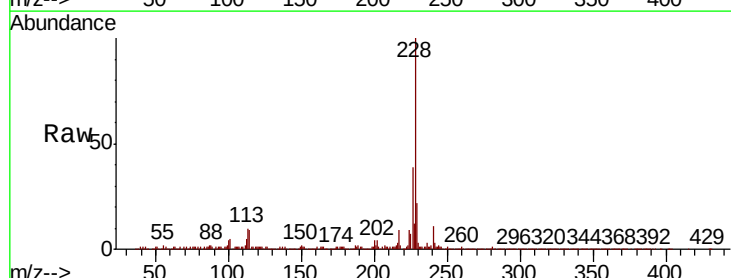
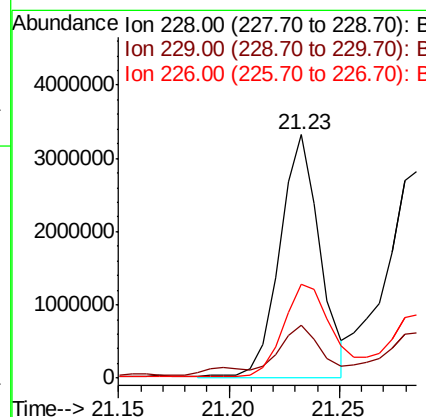
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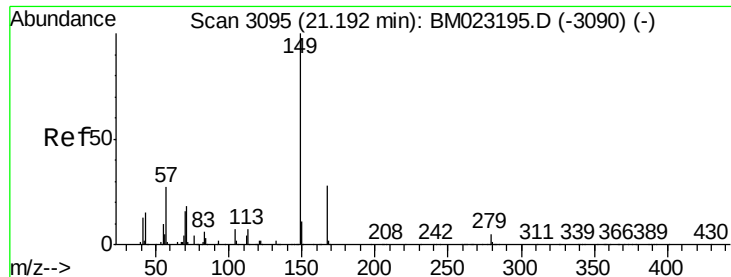
mohammad
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#83
Benzo(a)anthracene
Concen: 33.103 ng/ul m
RT: 21.23 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.7	23.5
226	38.7	21.6	32.4





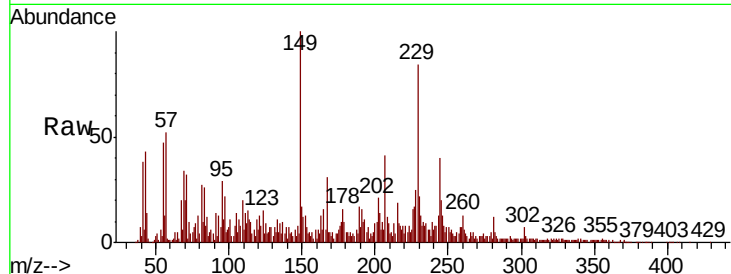
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.429 ng/ul
 RT: 21.19 min Scan# 3095
 Delta R.T. 0.00 min
 Lab File: BM023200.D
 Acq: 16 Oct 2019 20:57

Instrument :
 BNA_M
 ClientSampleId :
 BFB68

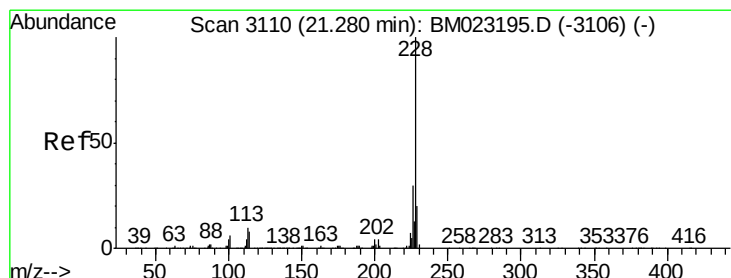
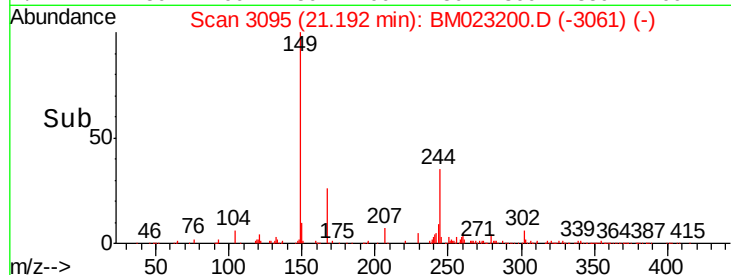
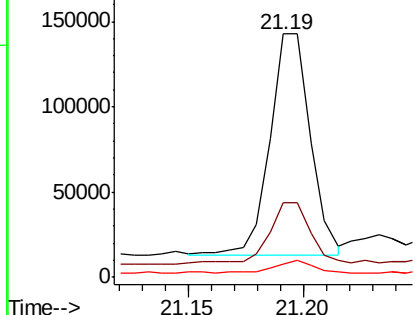
Tot Ion	Ratio	Lower	Upper
149	100		
167	30.8	22.5	33.7
279	5.5	4.0	6.0

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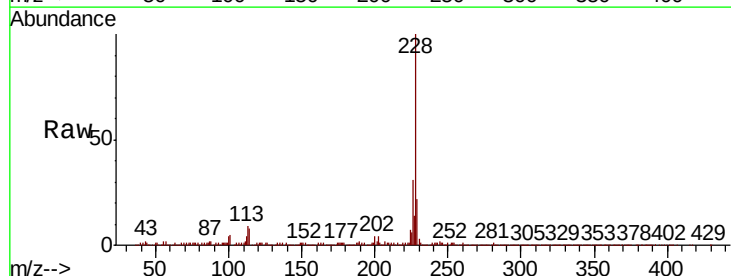


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

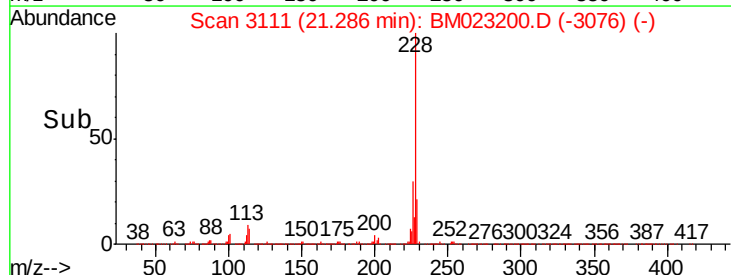
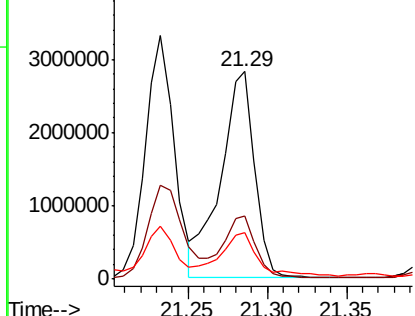


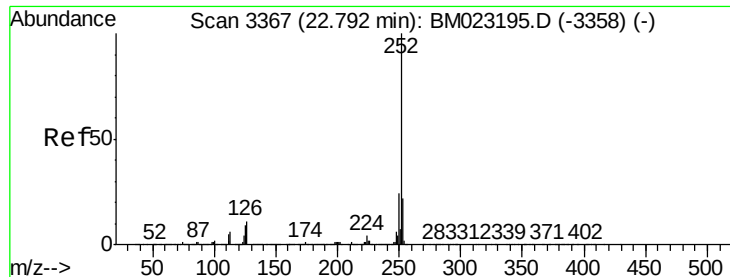
#85
 Chrysene
 Concen: 35.432 ng/ul
 RT: 21.29 min Scan# 3111
 Delta R.T. 0.01 min
 Lab File: BM023200.D
 Acq: 16 Oct 2019 20:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.8	35.6
229	22.2	15.5	23.3



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





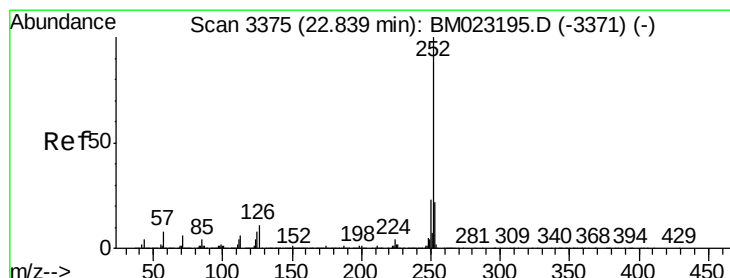
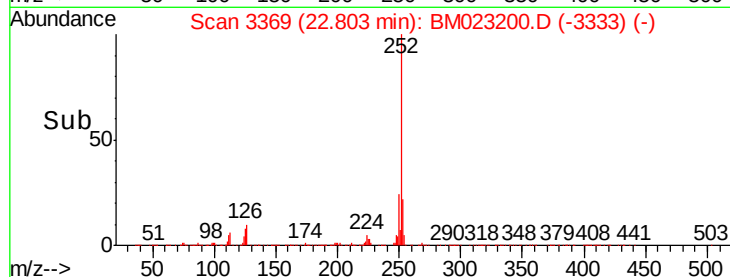
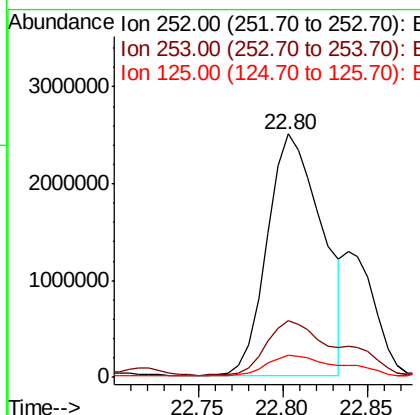
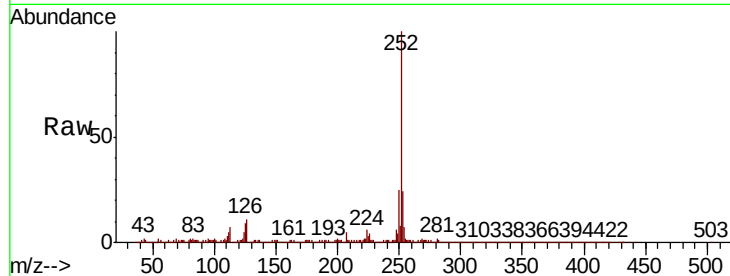
#88
Benzo(b)fluoranthene
Concen: 40.746 ng/ul
RT: 22.80 min Scan# 3369
Delta R.T. 0.01 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Instrument :
BNA_M
ClientSampleId :
BFB68

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	9.1	6.4	9.6

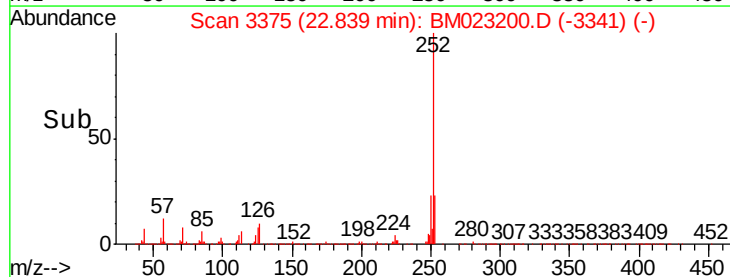
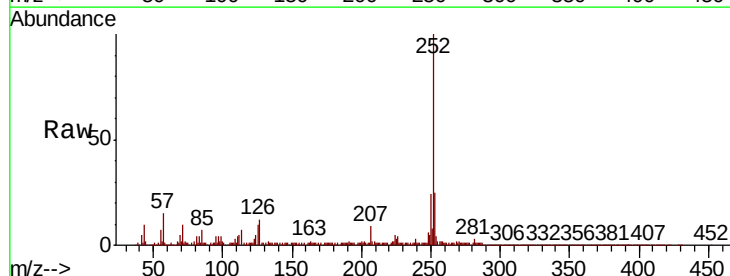
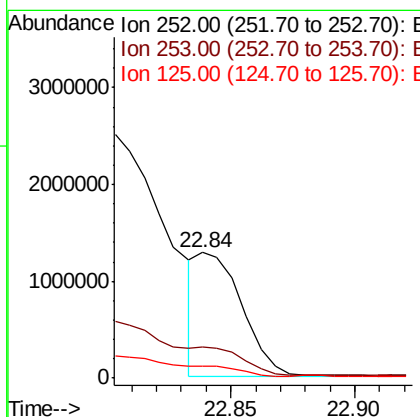
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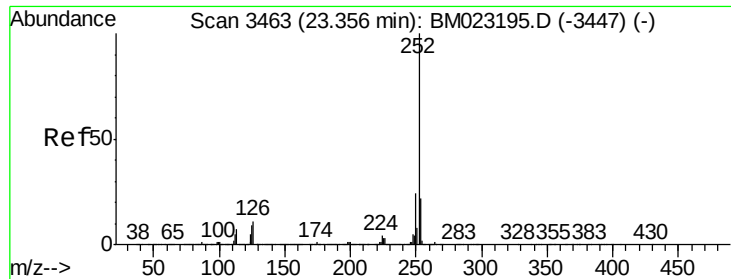
mohammad
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#89
Benzo(k)fluoranthene
Concen: 12.208 ng/ul m
RT: 22.84 min Scan# 3375
Delta R.T. 0.00 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.0
125	9.6	6.5	9.7





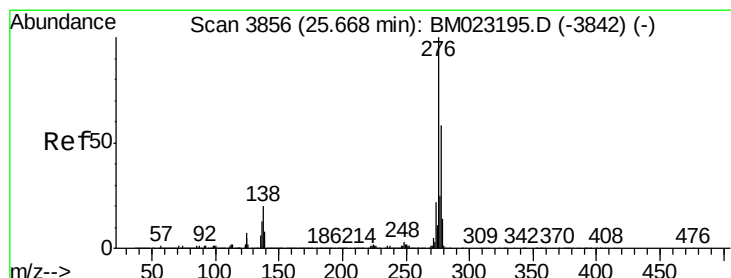
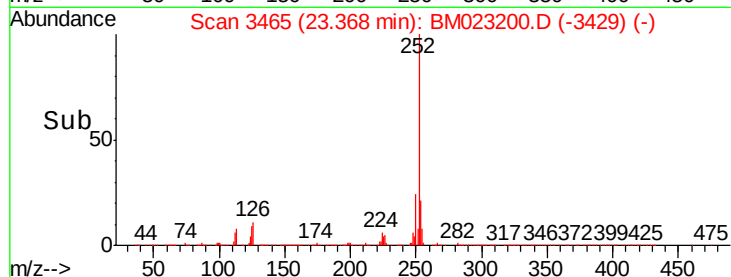
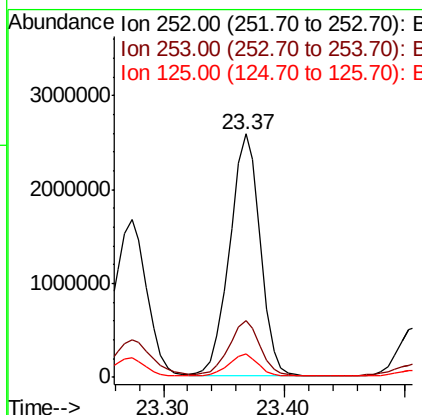
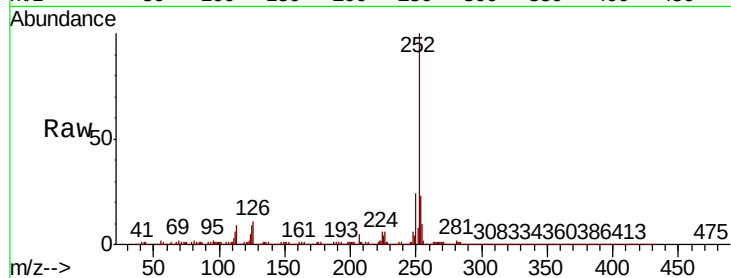
#91
Benzo(a)pyrene
Concen: 33.986 ng/ul
RT: 23.37 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Instrument :
BNA_M
ClientSampleId :
BFB68

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	9.4	7.4	11.0

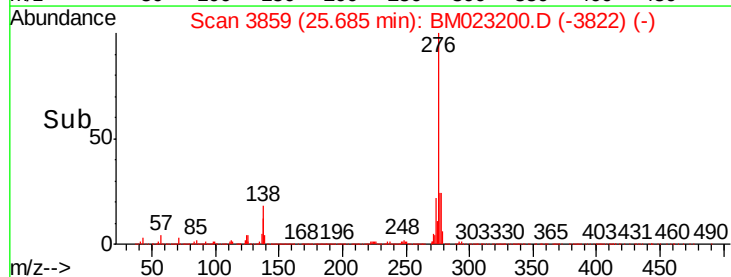
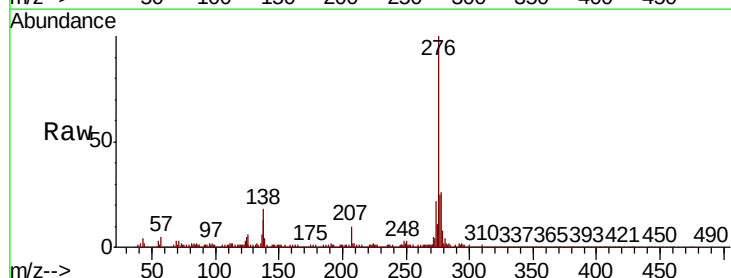
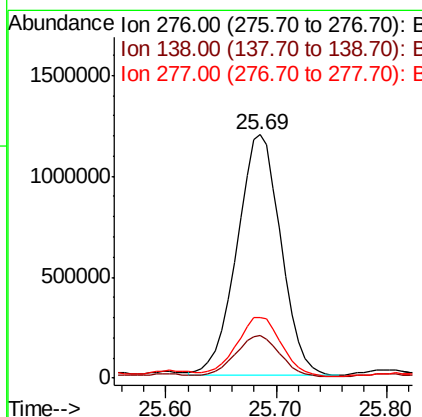
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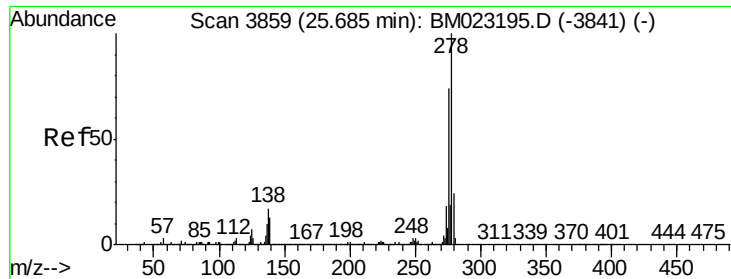
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#92
Indeno(1,2,3-cd)pyrene
Concen: 20.942 ng/ul
RT: 25.69 min Scan# 3859
Delta R.T. 0.02 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	14.9	22.3
277	25.1	19.8	29.8





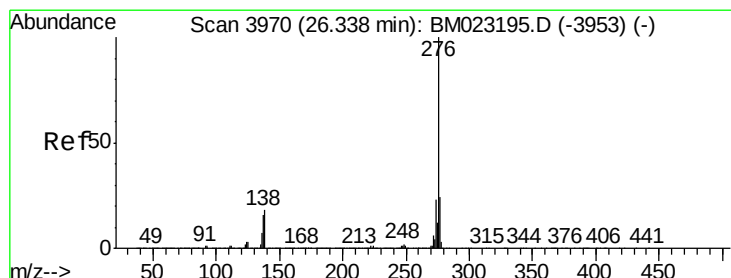
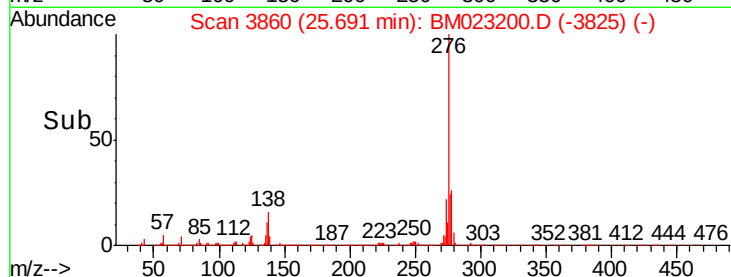
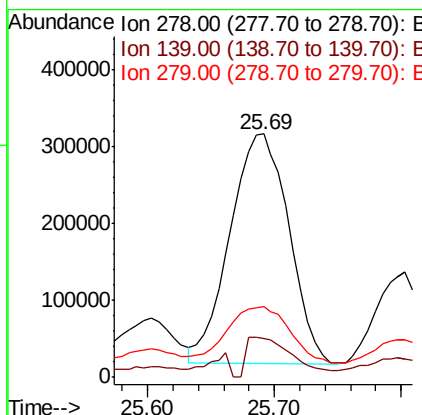
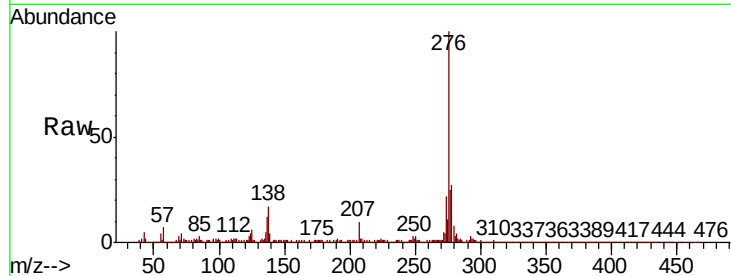
#93
Dibenzo(a,h)anthracene
Concen: 7.306 ng/ul
RT: 25.69 min Scan# 3860
Delta R.T. 0.01 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Instrument :
BNA_M
ClientSampleId :
BFB68

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	10.0	15.0#
279	29.0	19.4	29.0

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 26.265 ng/ul
RT: 26.37 min Scan# 3975
Delta R.T. 0.03 min
Lab File: BM023200.D
Acq: 16 Oct 2019 20:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	14.4	21.6
277	24.2	19.4	29.2

