

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
 Data File : BM025682.D
 Acq On : 21 Mar 2020 04:34
 Operator : CG/JU
 Sample : L1972-02DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 B0AG8DL

Manual Integrations
 APPROVED

mohammad
 3/23/2020 9:42:24 AM

Quant Time: Mar 22 07:16:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 20 11:44:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	216503	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	922480	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	574165	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	1192454	20.00	ng/ul	0.00
78) Chrysene-d12	21.15	240	1230861	20.00	ng/ul	0.00
86) Perylene-d12	23.30	264	1425343	20.00	ng/ul	0.00

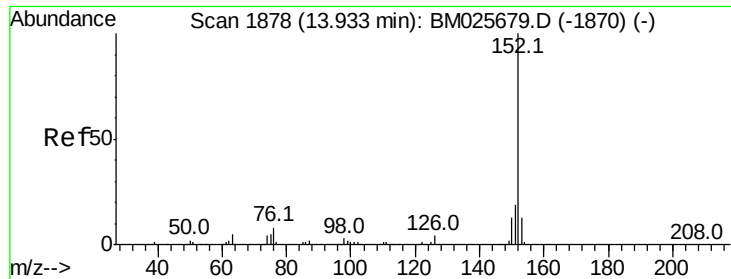
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	8243	1.60	ng/uL	0.00
5) Phenol-d5	6.76	99	187729	10.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	108457	11.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	161475	11.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	157405	11.21	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	77279	11.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	81980	11.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	169482	11.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	193290	11.17	ng/ul	0.00
44) Dimethylphthalate-d6	13.63	166	516662	11.84	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	625339	11.96	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	65797	7.92	ng/ul	0.00
58) Fluorene-d10	15.21	176	456288	11.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.33	200	45908	6.31	ng/ul	0.00
71) Anthracene-d10	17.06	188	693389	12.45	ng/ul	0.00
79) Pyrene-d10	19.36	212	743266	12.57	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.17	264	910405	12.48	ng/ul	0.00

Target Compounds

					Ovalue
48) Acenaphthylene	13.93	152	407665	7.200	ng/ul 99
59) Fluorene	15.27	166	53396	1.163	ng/ul 91
70) Phenanthrene	17.00	178	1031201	14.692	ng/ul 99
72) Anthracene	17.09	178	353706	4.945	ng/ul 99
75) Carbazole	17.36	167	63833	1.021	ng/ul 97
77) Fluoranthene	19.03	202	3145754	38.022	ng/ul 98
80) Pyrene	19.39	202	3021567	36.552	ng/ul 99
83) Benzo(a)anthracene	21.14	228	2297726m	28.315	ng/ul
85) Chrysene	21.19	228	2126386	26.707	ng/ul 98
88) Benzo(b)fluoranthene	22.67	252	3409665	38.339	ng/ul 98
89) Benzo(k)fluoranthene	22.71	252	1241909m	14.176	ng/ul
91) Benzo(a)pyrene	23.21	252	2588369	31.982	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.44	276	1842884	17.242	ng/ul 97
93) Dibenzo(a,h)anthracene	25.44	278	486791	5.378	ng/ul# 87
94) Benzo(g,h,i)perylene	26.08	276	1243505	14.116	ng/ul 98

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



#48

Acenaphthylene

Concen: 7.200 ng/ul

RT: 13.93 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BM025682.D

Acq: 21 Mar 2020 04:34

Instrument :

BNA_M

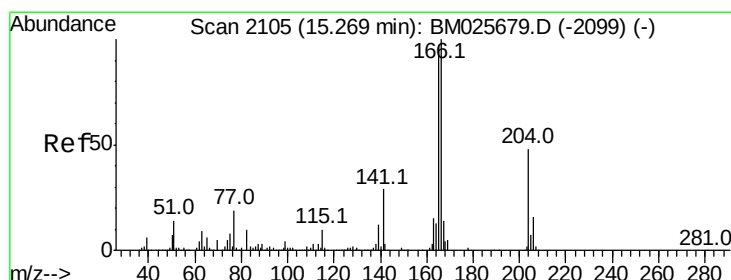
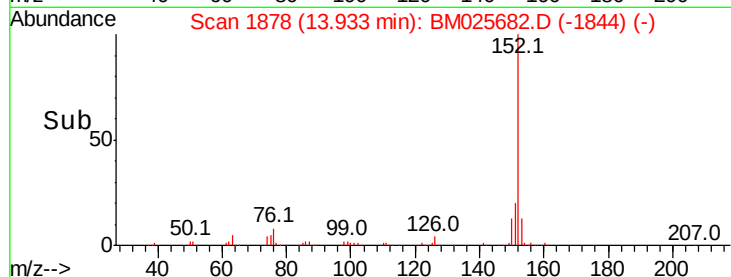
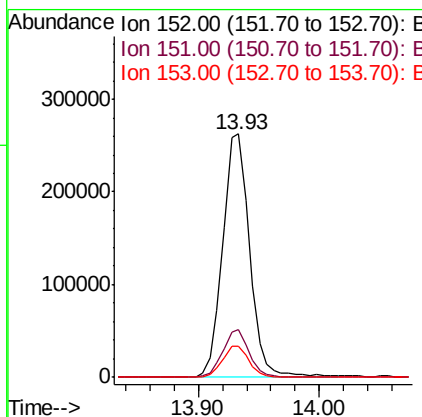
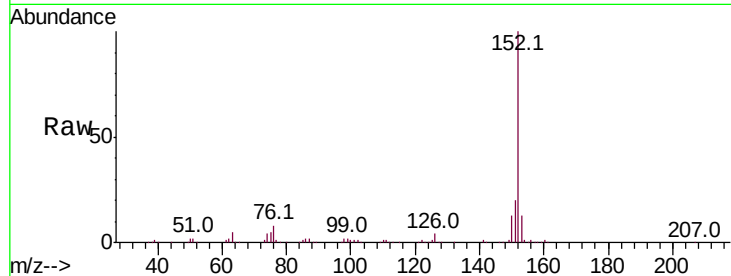
ClientSampleId :

B0AG8DL

Tot Ion:	152	Resp:	407665
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.8	23.6
153	12.9	10.6	16.0

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#59

Fluorene

Concen: 1.163 ng/ul

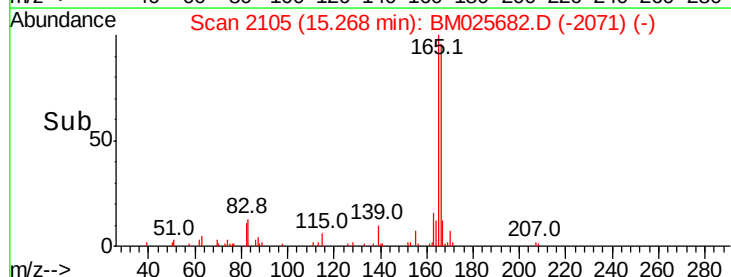
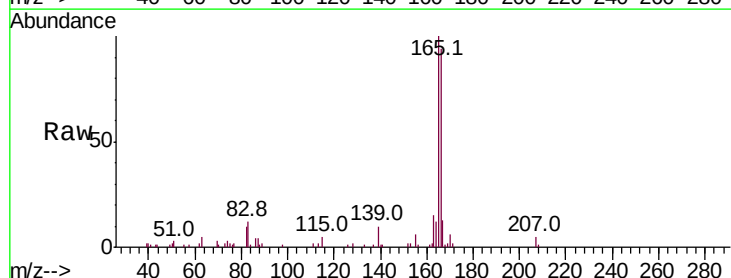
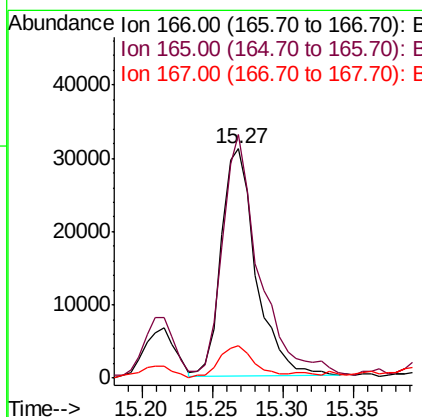
RT: 15.27 min Scan# 2105

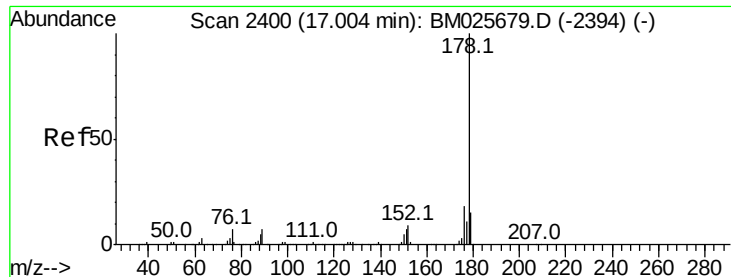
Delta R.T. -0.00 min

Lab File: BM025682.D

Acq: 21 Mar 2020 04:34

Tgt Ion:	166	Resp:	53396
Ion Ratio	Lower	Upper	
166	100		
165	106.3	77.2	115.8
167	14.3	11.2	16.8





#70

Phenanthrene

Concen: 14.692 ng/ul

RT: 17.00 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM025682.D

Acq: 21 Mar 2020 04:34

Instrument :

BNA_M

ClientSampleId :

B0AG8DL

Tot Ion:178 Resp: 1031201

Ion Ratio Lower Upper

178 100

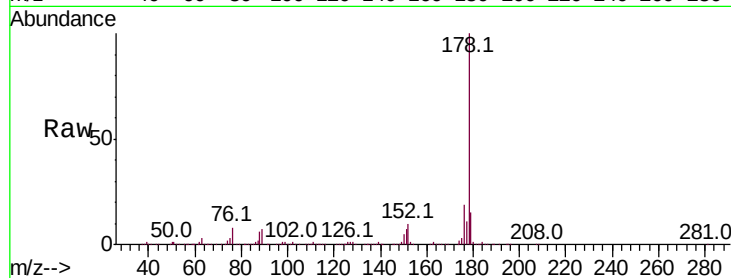
179 15.3 12.2 18.4

176 18.5 15.3 22.9

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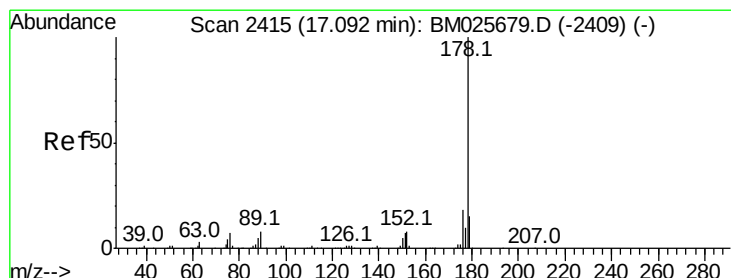
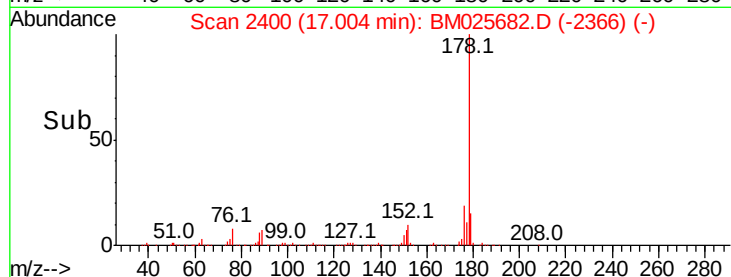
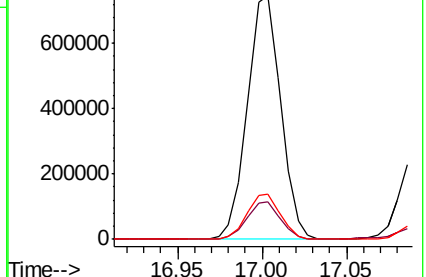
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 4.945 ng/ul

RT: 17.09 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BM025682.D

Acq: 21 Mar 2020 04:34

Tgt Ion:178 Resp: 353706

Ion Ratio Lower Upper

178 100

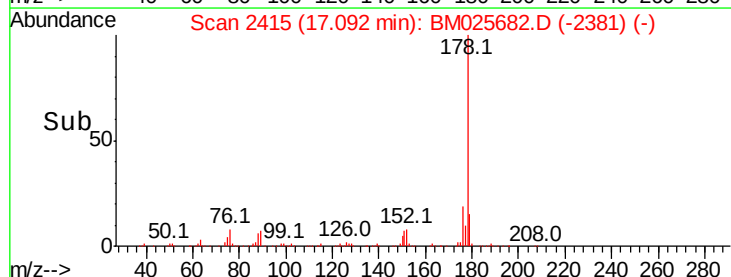
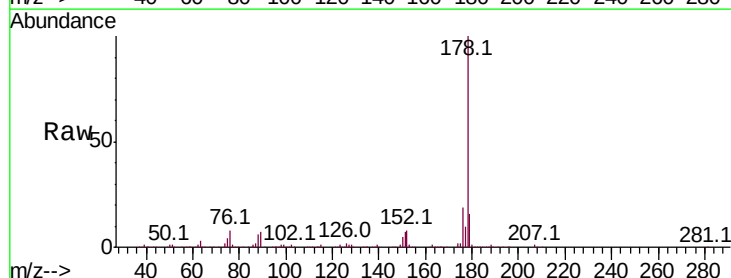
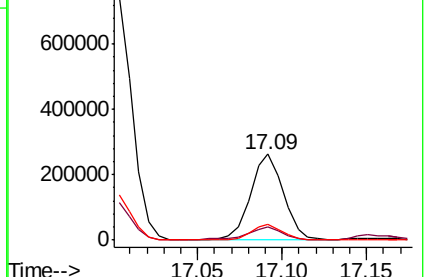
179 15.5 12.5 18.7

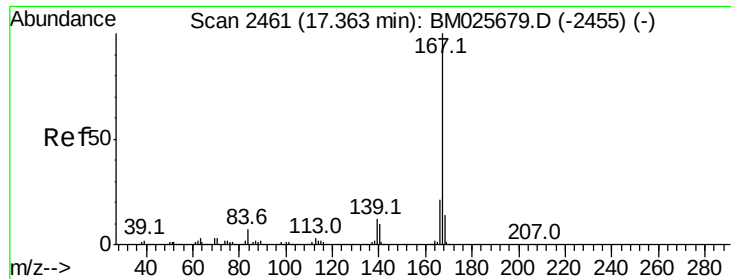
176 18.5 14.5 21.7

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: 1.021 ng/ul

RT: 17.36 min Scan# 2461

Delta R.T. -0.00 min

Lab File: BM025682.D

Acq: 21 Mar 2020 04:34

Instrument :

BNA_M

ClientSampleId :

B0AG8DL

Tot Ion:167 Resp: 63833

Ion Ratio Lower Upper

167 100

166 22.4 16.7 25.1

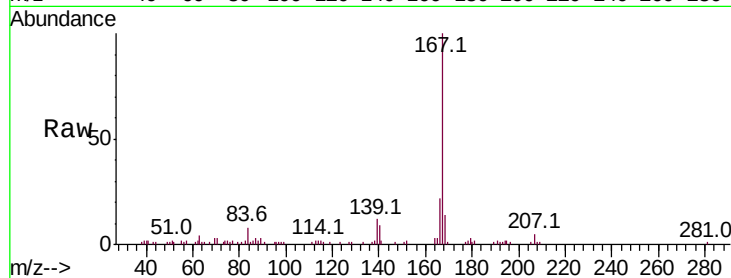
139 11.5 9.8 14.8

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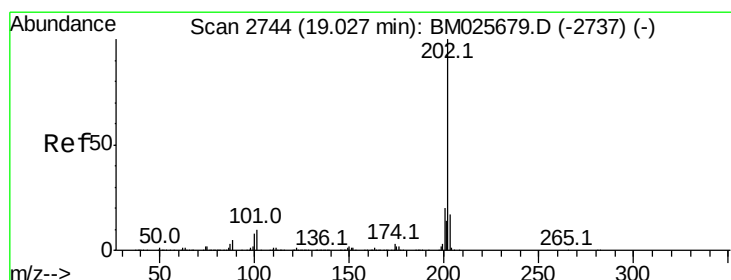
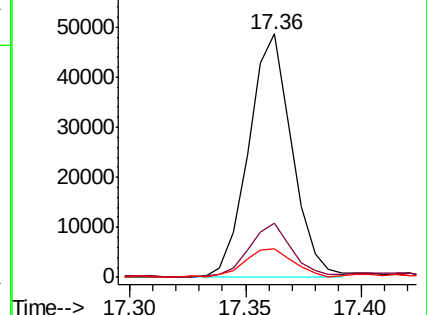
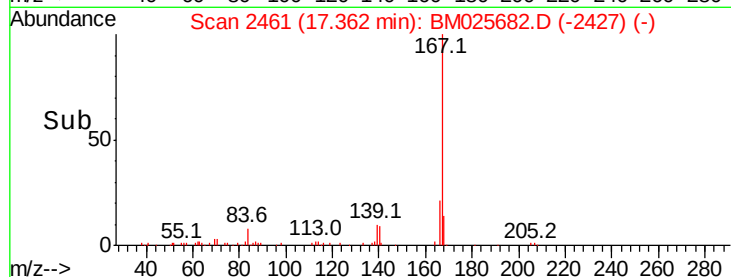
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 38.022 ng/ul

RT: 19.03 min Scan# 2744

Delta R.T. 0.01 min

Lab File: BM025682.D

Acq: 21 Mar 2020 04:34

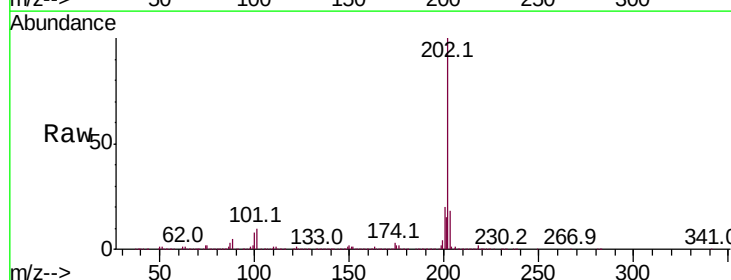
Tgt Ion:202 Resp: 3145754

Ion Ratio Lower Upper

202 100

101 9.6 8.2 12.4

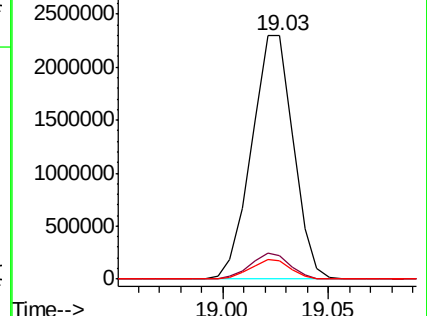
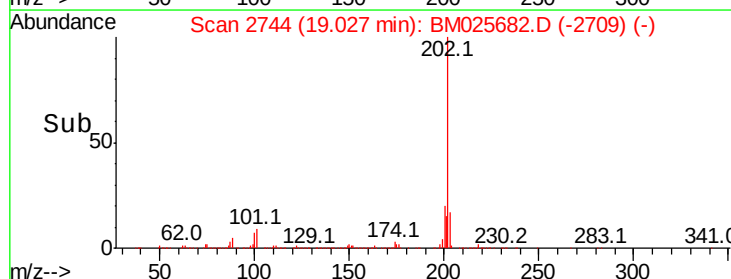
100 7.5 6.5 9.7

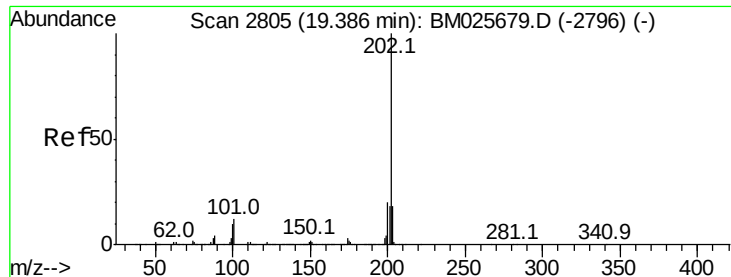


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





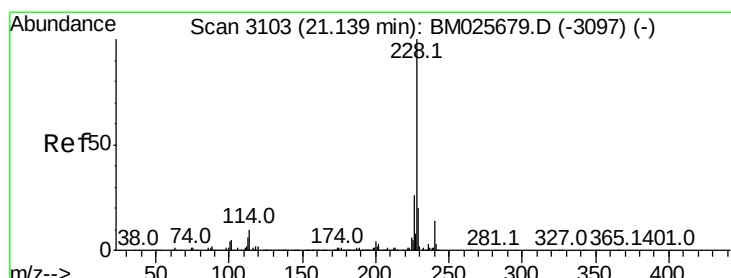
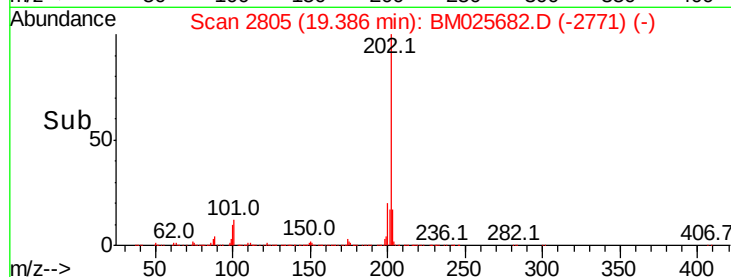
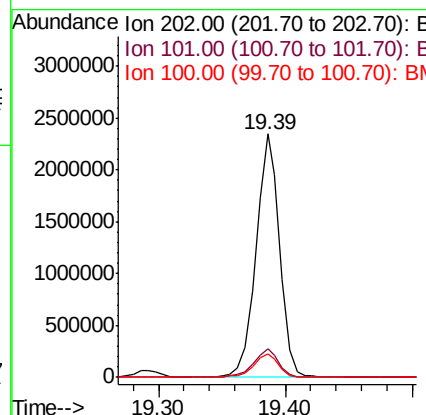
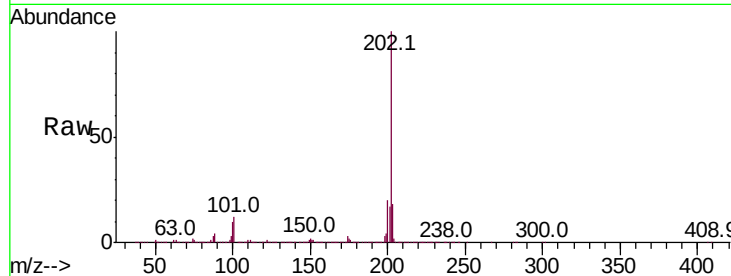
#80
Pvrene
Concen: 36.552 ng/ul
RT: 19.39 min Scan# 2805
Delta R.T. -0.00 min
Lab File: BM025682.D
Acq: 21 Mar 2020 04:34

Instrument :
BNA_M
ClientSampleId :
B0AG8DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.9	13.3
100	9.8	7.5	11.3

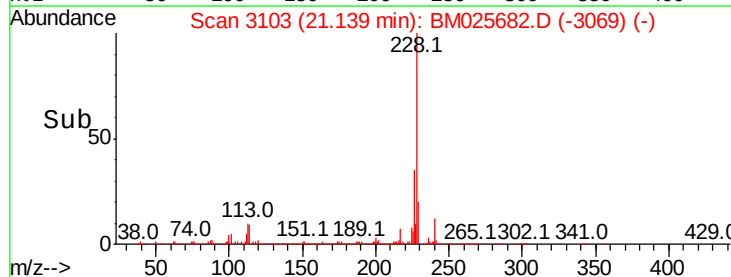
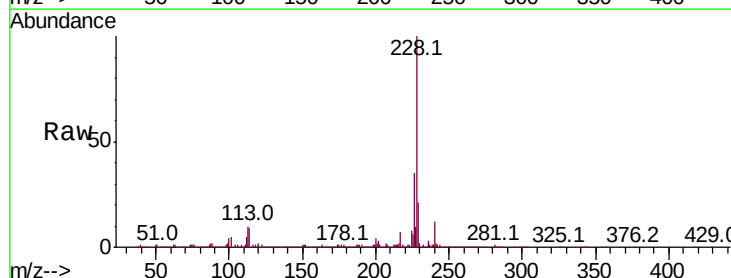
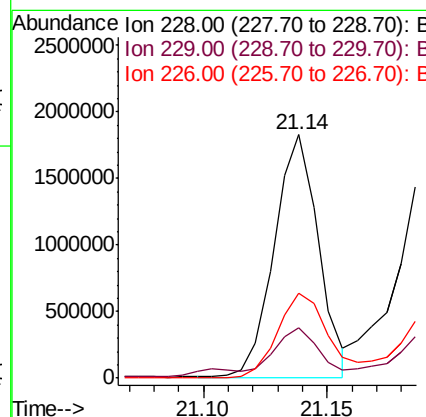
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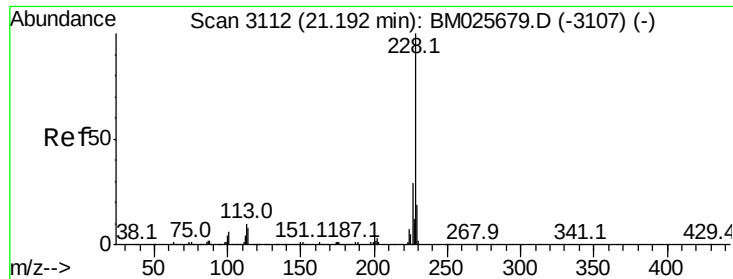
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#83
Benzo(a)anthracene
Concen: 28.315 ng/ul m
RT: 21.14 min Scan# 3103
Delta R.T. -0.00 min
Lab File: BM025682.D
Acq: 21 Mar 2020 04:34

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.5	23.3
226	35.1	21.0	31.6#





#85

Chrysene

Concen: 26.707 ng/ul

RT: 21.19 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BM025682.D

Acq: 21 Mar 2020 04:34

Instrument :

BNA_M

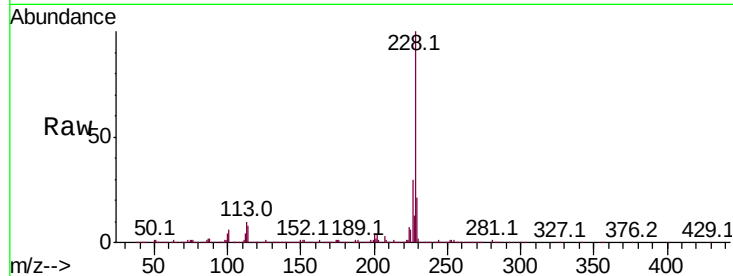
ClientSampleId :

B0AG8DL

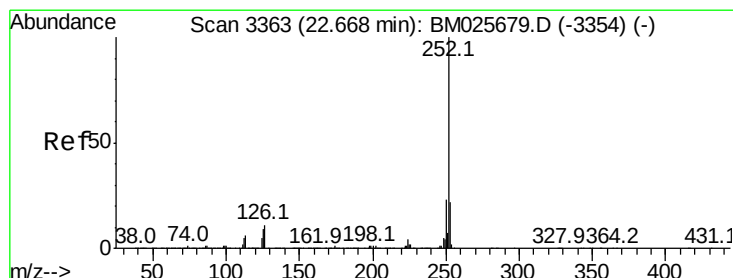
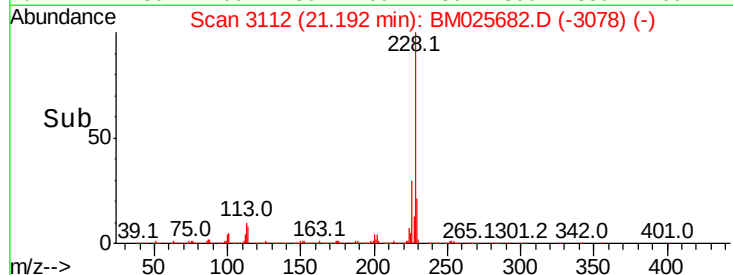
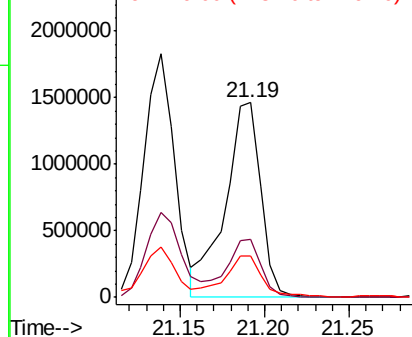
Tot Ion:	228	Resp:	2126386
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.0
229	21.5	15.6	23.4

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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: 38.339 ng/ul

RT: 22.67 min Scan# 3364

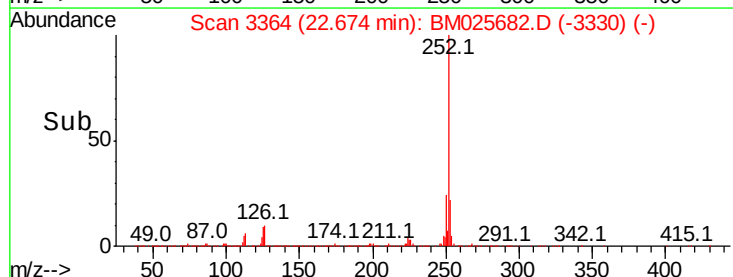
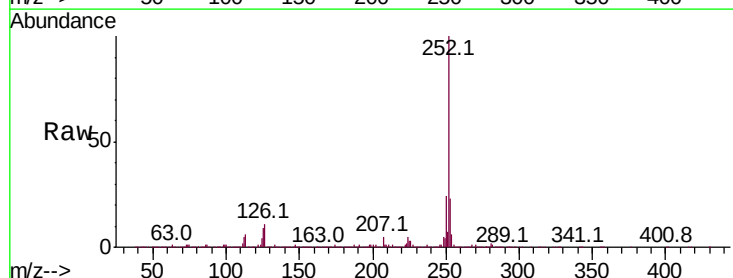
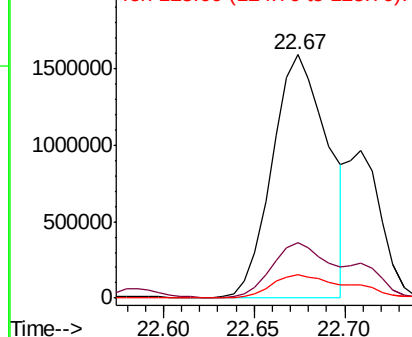
Delta R.T. -0.00 min

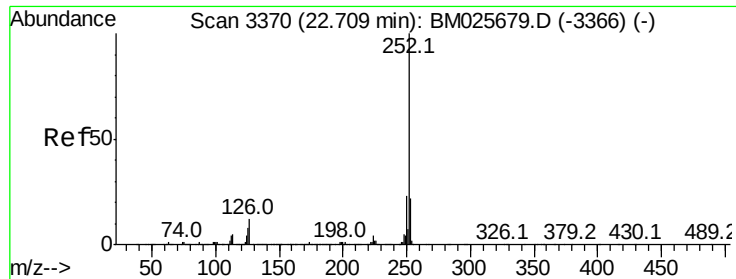
Lab File: BM025682.D

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Tgt Ion:	252	Resp:	3409665
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	9.5	6.7	10.1

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





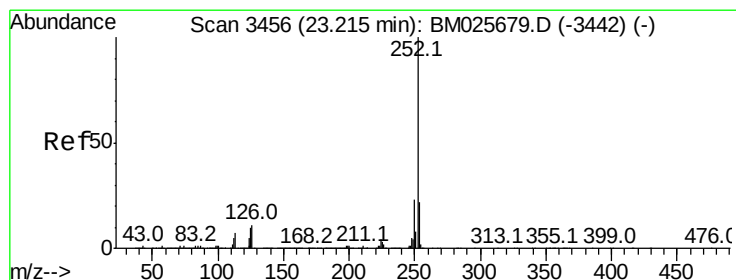
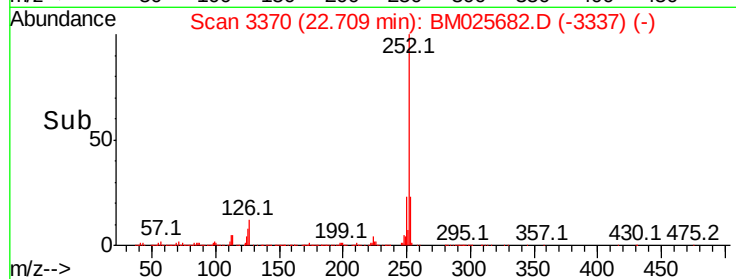
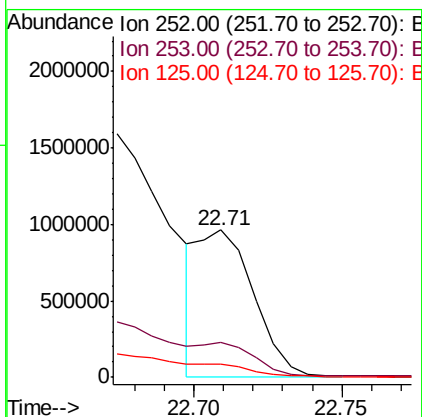
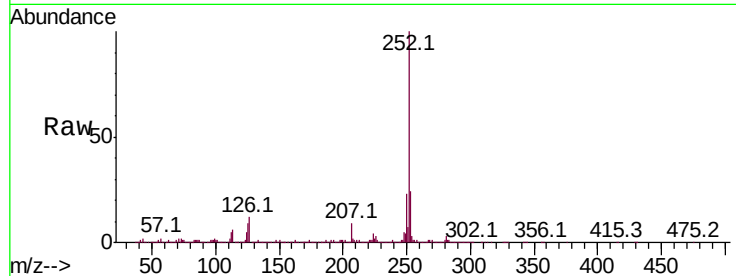
#89
Benzo(k)fluoranthene
Concen: 14.176 ng/ul m
RT: 22.71 min Scan# 3370
Delta R.T. -0.01 min
Lab File: BM025682.D
Acq: 21 Mar 2020 04:34

Instrument :
BNA_M
ClientSampleId :
B0AG8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	8.7	6.9	10.3

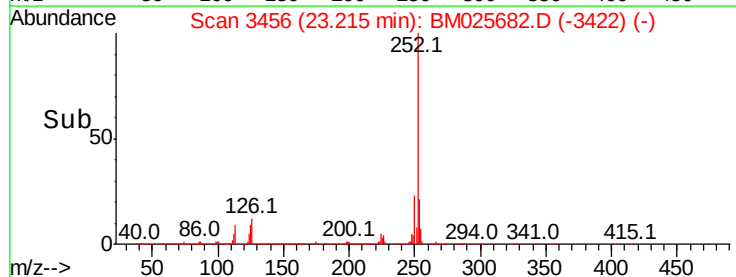
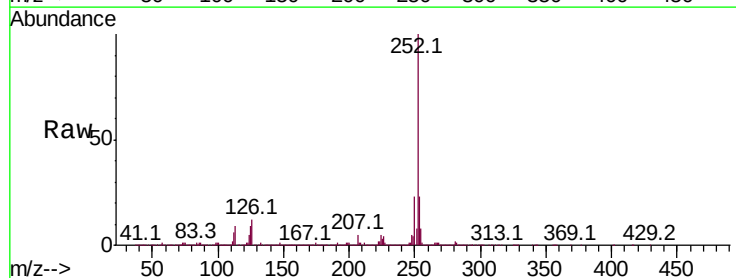
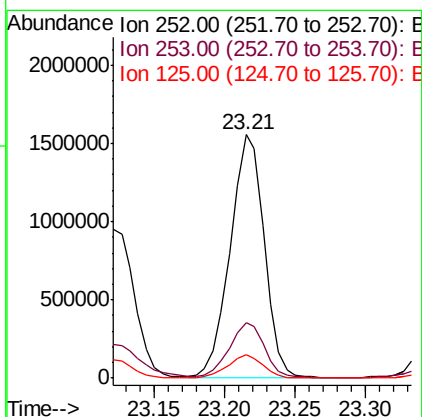
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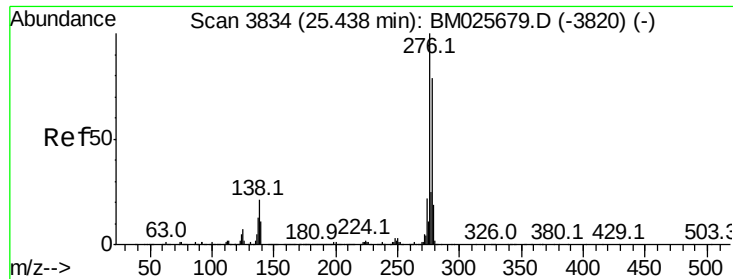
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#91
Benzo(a)pyrene
Concen: 31.982 ng/ul
RT: 23.21 min Scan# 3456
Delta R.T. -0.00 min
Lab File: BM025682.D
Acq: 21 Mar 2020 04:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	9.5	7.1	10.7





#92

Indeno(1,2,3-cd)pyrene

Concen: 17.242 ng/ul

RT: 25.44 min Scan# 3834

Delta R.T. -0.00 min

Lab File: BM025682.D

Acq: 21 Mar 2020 04:34

Instrument :

BNA_M

ClientSampleId :

B0AG8DL

Tot Ion:276 Resp: 1842884

Ion Ratio Lower Upper

276 100

138 17.3 16.5 24.7

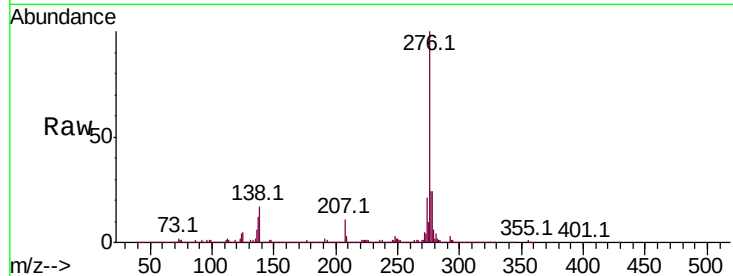
277 24.4 19.7 29.5

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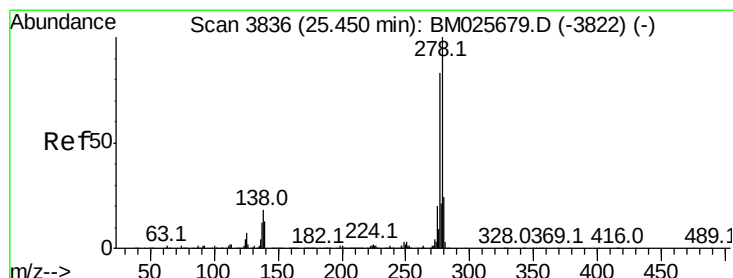
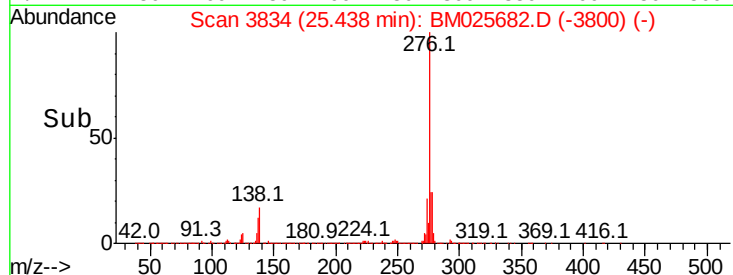
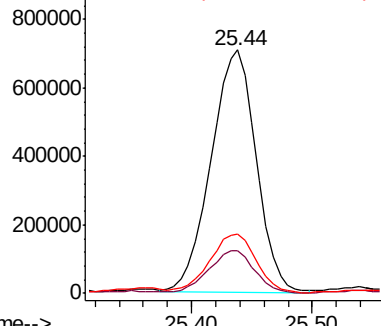
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#93

Dibenzo(a,h)anthracene

Concen: 5.378 ng/ul

RT: 25.44 min Scan# 3834

Delta R.T. -0.01 min

Lab File: BM025682.D

Acq: 21 Mar 2020 04:34

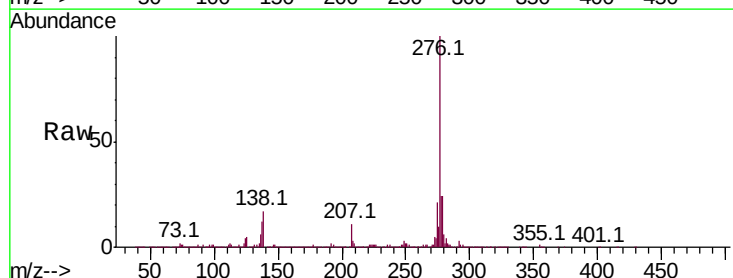
Tgt Ion:278 Resp: 486791

Ion Ratio Lower Upper

278 100

139 0.0 10.4 15.6#

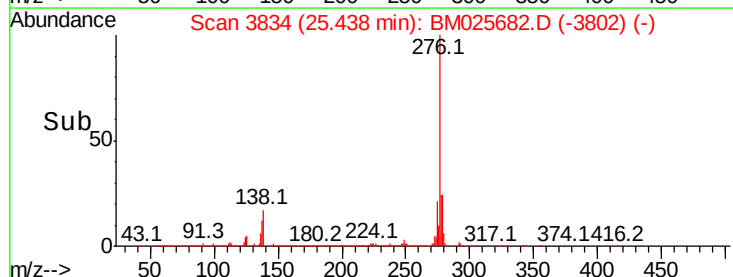
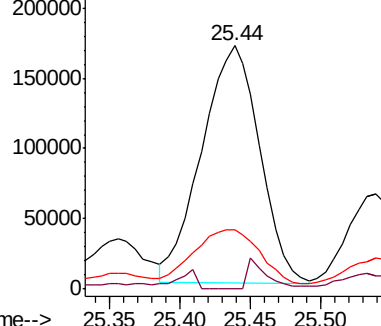
279 24.4 18.6 28.0

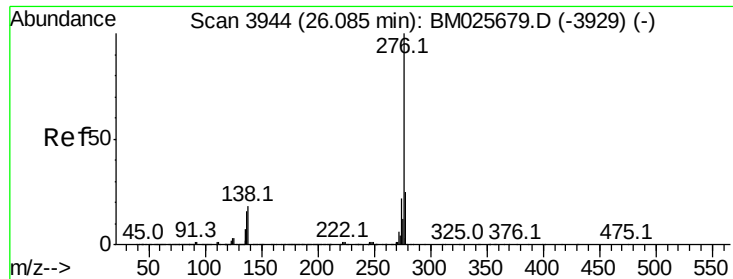


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 14.116 ng/ul

RT: 26.08 min Scan# 3943

Delta R.T. -0.01 min

Lab File: BM025682.D

Acq: 21 Mar 2020 04:34

Instrument :

BNA_M

ClientSampleId :

B0AG8DL

Tot Ion: 276 Resp: 1243505

Ion Ratio Lower Upper

276 100

138 18.0 13.2 19.8

277 24.3 19.0 28.4

Manual Integrations

APPROVED

mohammad

3/23/2020 9:42:24 AM

