

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
 Data File : BM026968.D
 Acq On : 31 Jul 2020 21:08
 Operator : JU/CG
 Sample : L3424-06 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0S81

Manual Integrations
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mohammad
 8/3/2020 12:23:59 PM

Quant Time: Aug 01 01:33:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 00:45:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	105584	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	413683	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	253666	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	514398	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	500271	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	506974	20.00	ng/ul	0.00

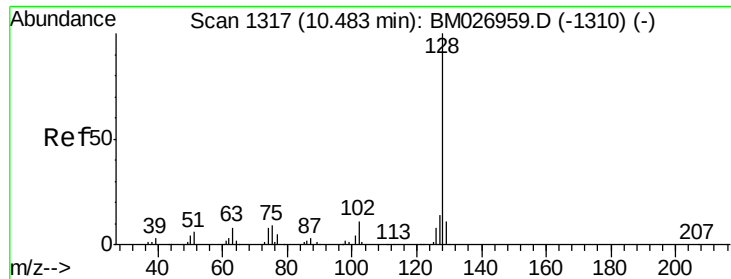
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1505	0.65	ng/uL	0.00
5) Phenol-d5	6.84	99	51820	5.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	33923	5.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	39144	5.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	40681	5.72	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	18129	5.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	20169	6.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	41362	5.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	17335	2.06	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	118265	5.95	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	155040	6.13	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	14259	4.24	ng/ul	0.00
58) Fluorene-d10	15.29	176	104249	6.02	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	10789	4.71	ng/ul	0.00
71) Anthracene-d10	17.13	188	162024	6.30	ng/ul	0.00
79) Pyrene-d10	19.43	212	163326	6.12	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	171204	5.98	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.48	128	54430	2.355	ng/ul#	97
34) 2-Methylnaphthalene	12.10	142	16646	1.019	ng/ul	98
45) Dimethylphthalate	13.75	163	36399	1.744	ng/ul	97
48) Acenaphthylene	14.01	152	391233	15.213	ng/ul	99
50) Acenaphthene	14.35	153	20080	1.133	ng/ul	93
54) Dibenzofuran	14.69	168	54014	2.199	ng/ul	96
59) Fluorene	15.34	166	31018	1.500	ng/ul	94
70) Phenanthrene	17.08	178	355632	11.389	ng/ul	99
72) Anthracene	17.17	178	801567	24.976	ng/ul	99
75) Carbazole	17.43	167	183471	6.467	ng/ul	99
77) Fluoranthene	19.10	202	2841422	77.071	ng/ul	99
80) Pyrene	19.47	202	3934959	108.112	ng/ul	97
83) Benzo(a)anthracene	21.21	228	1894425m	54.940	ng/ul	
85) Chrysene	21.27	228	2875667	85.519	ng/ul	98
88) Benzo(b)fluoranthene	22.80	252	7145622	197.028	ng/ul	99
89) Benzo(k)fluoranthene	22.84	252	2378837	68.355	ng/ul	98
91) Benzo(a)pyrene	23.35	252	2265480	69.226	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.67	276	2377231	58.555	ng/ul	95
93) Dibenzo(a,h)anthracene	25.67	278	612754m	17.846	ng/ul	
94) Benzo(g,h,i)perylene	26.33	276	678323	20.206	ng/ul	98

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



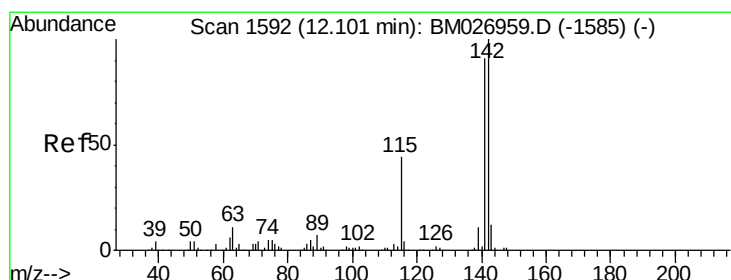
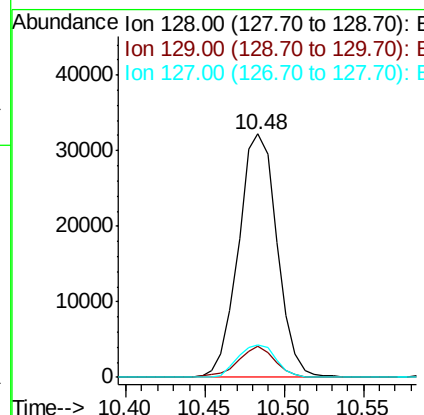
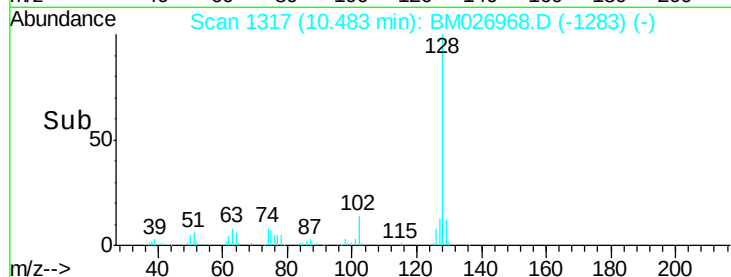
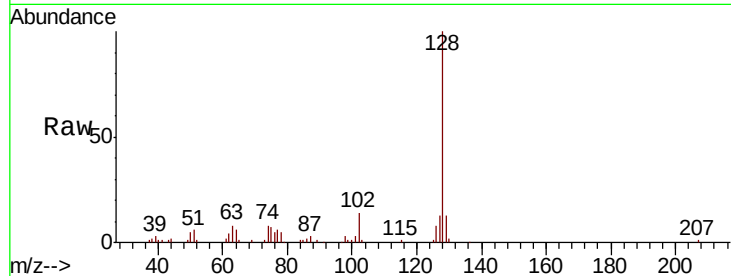
#28
Naphthalene
Concen: 2.355 ng/ul
RT: 10.48 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Instrument :
BNA_M
ClientSampleId :
C0S81

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.0	8.3	12.5#
127	13.4	11.0	16.6

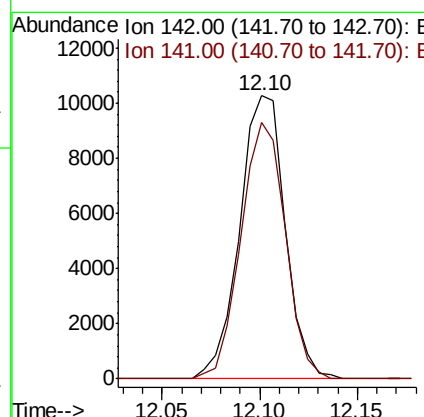
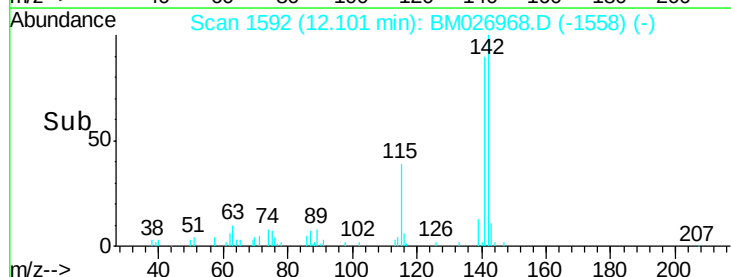
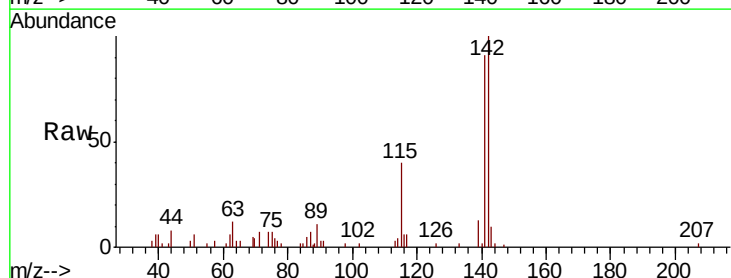
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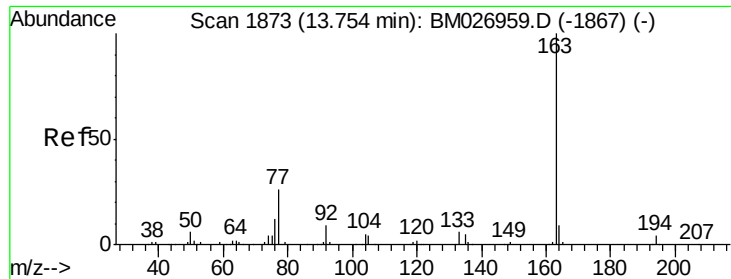
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#34
2-Methylnaphthalene
Concen: 1.019 ng/ul
RT: 12.10 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.1	106.7





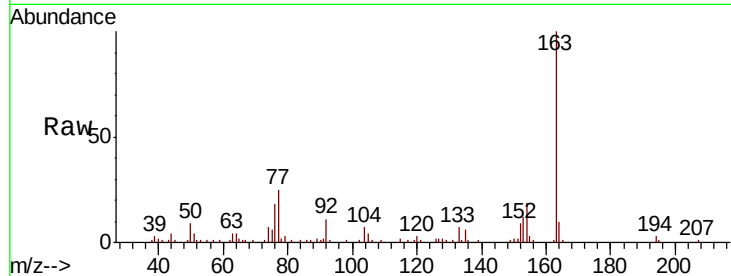
#45
Dimethylphthalate
Concen: 1.744 ng/ul
RT: 13.75 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Instrument :
BNA_M
ClientSampleId :
C0S81

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.6
164	9.5	8.6	12.8

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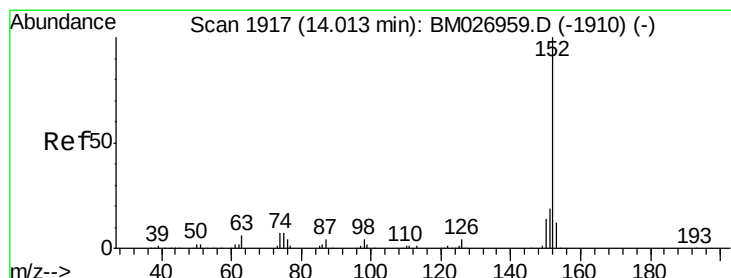
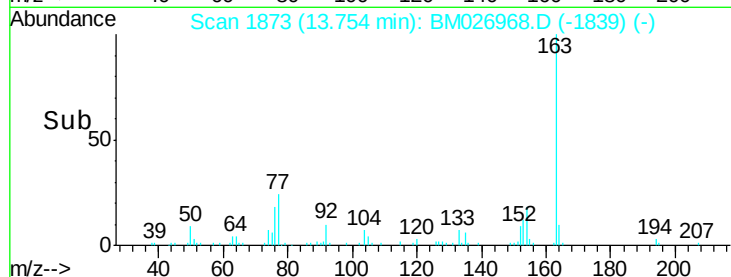
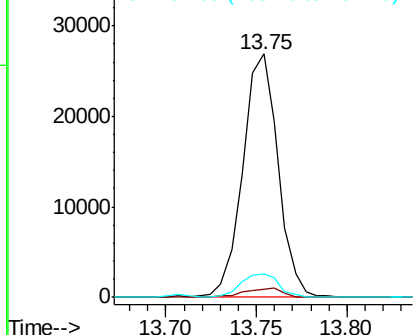


Abundance

Ion 163.00 (162.70 to 163.70): E

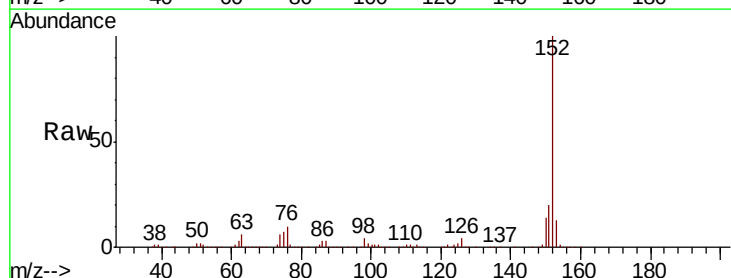
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48
Acenaphthylene
Concen: 15.213 ng/ul
RT: 14.01 min Scan# 1917
Delta R.T. -0.00 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	12.6	10.7	16.1

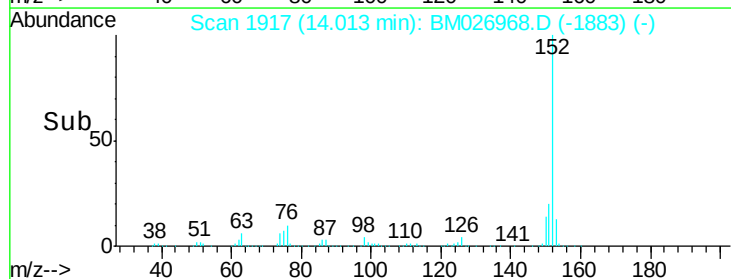
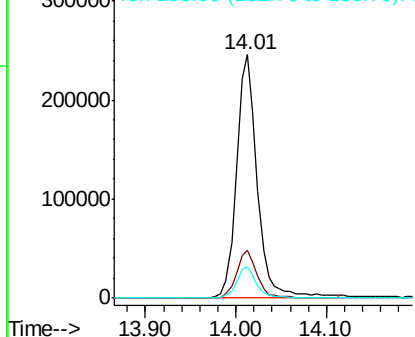


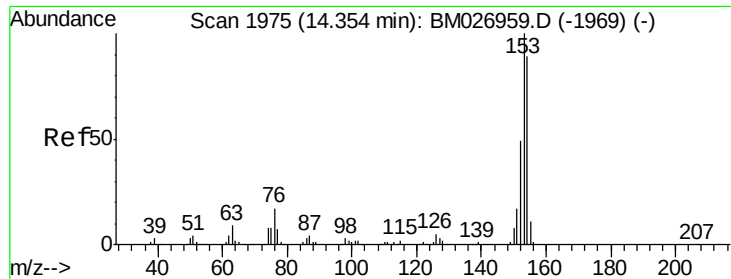
Abundance

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: 1.133 ng/ul

RT: 14.35 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

Instrument :

BNA_M

ClientSampleId :

C0S81

Tot Ion:153 Resp: 20080

Ion Ratio Lower Upper

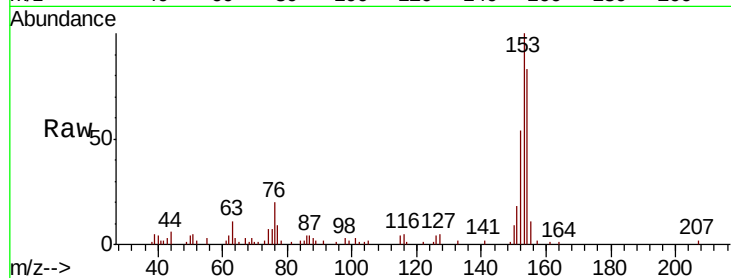
153 100

152 54.2 37.8 56.6

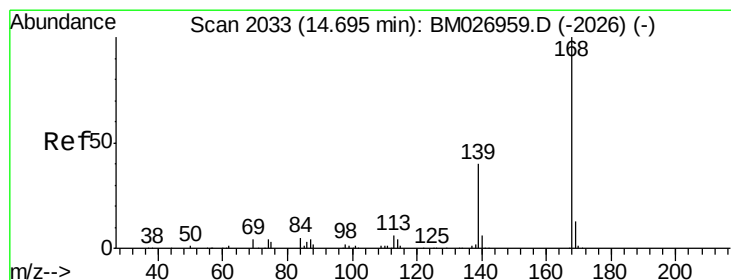
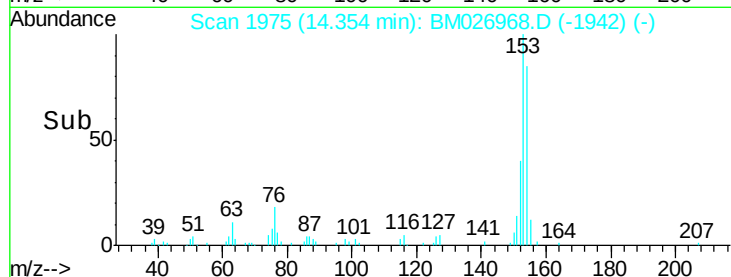
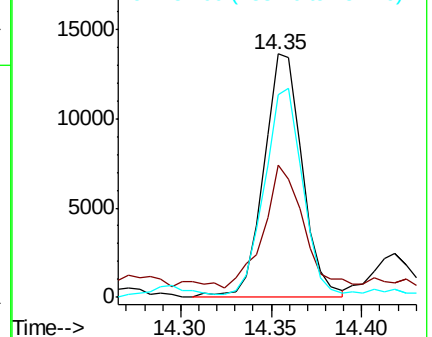
154 83.4 70.5 105.7

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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: 2.199 ng/ul

RT: 14.69 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BM026968.D

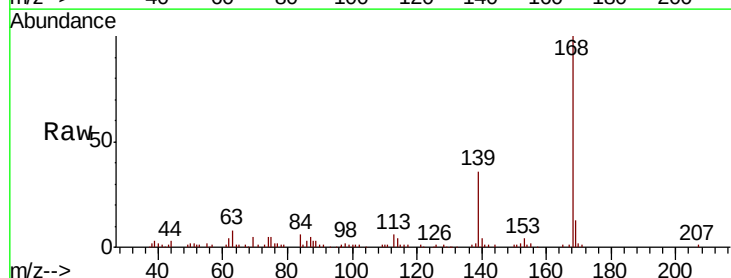
Acq: 31 Jul 2020 21:08

Tgt Ion:168 Resp: 54014

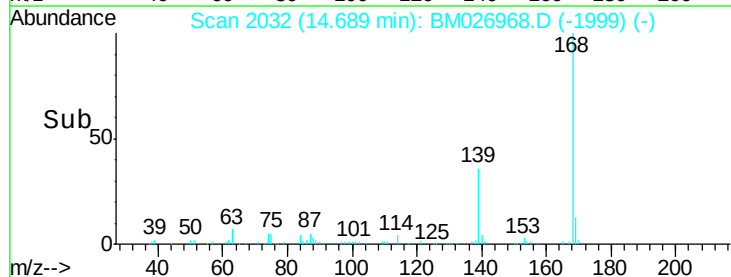
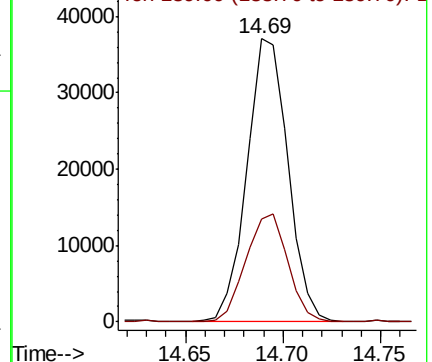
Ion Ratio Lower Upper

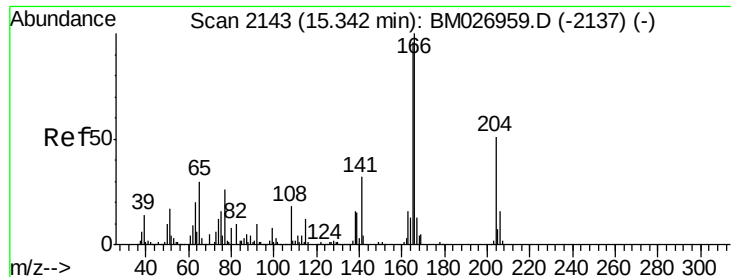
168 100

139 36.2 30.8 46.2



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





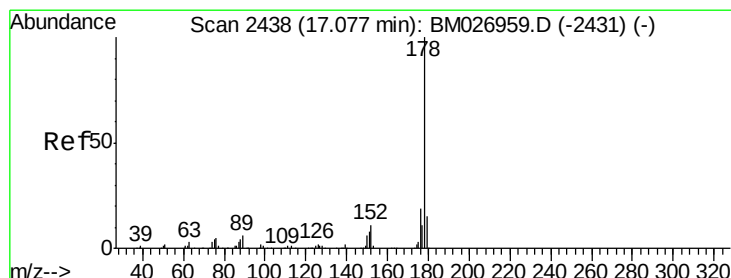
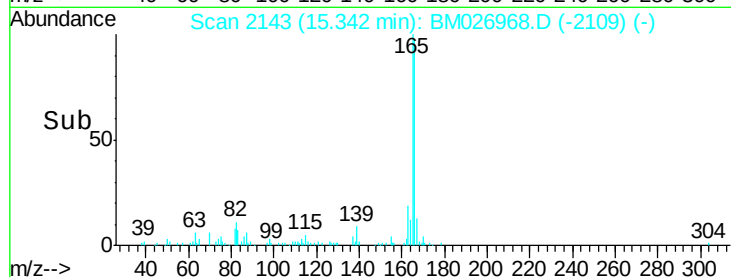
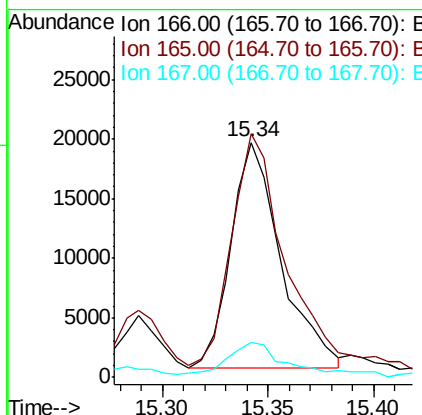
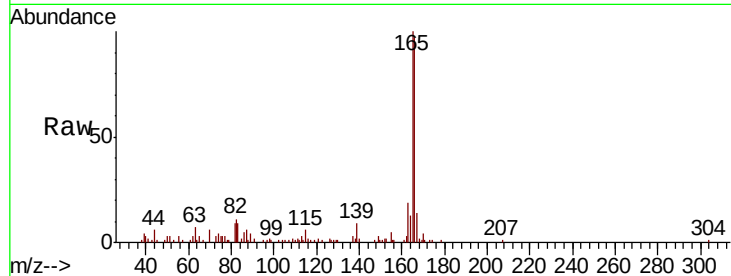
#59
Fluorene
Concen: 1.500 ng/ul
RT: 15.34 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Instrument :
BNA_M
ClientSampled :
C0S81

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.5	78.2	117.2
167	14.7	10.3	15.5

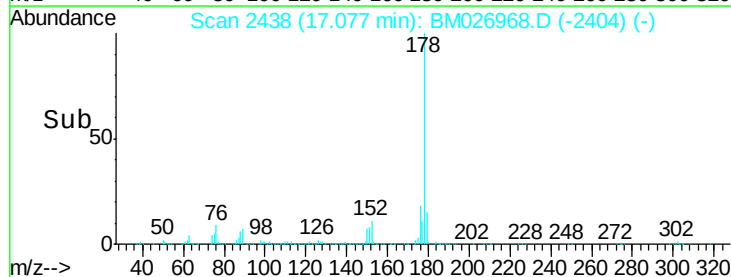
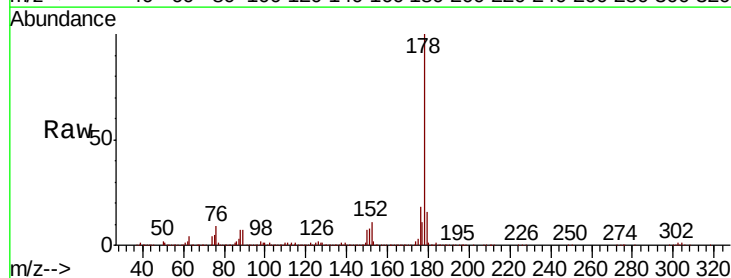
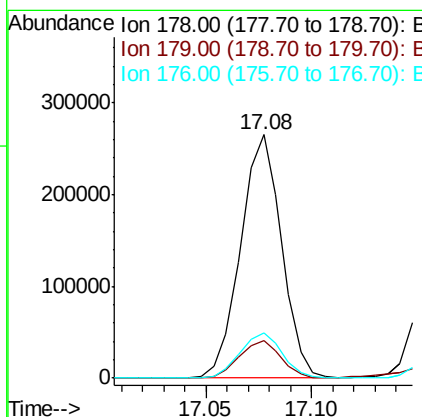
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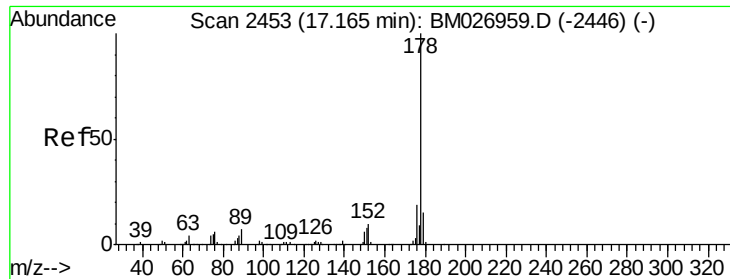
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#70
Phenanthrene
Concen: 11.389 ng/ul
RT: 17.08 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.0	18.0
176	18.4	14.7	22.1





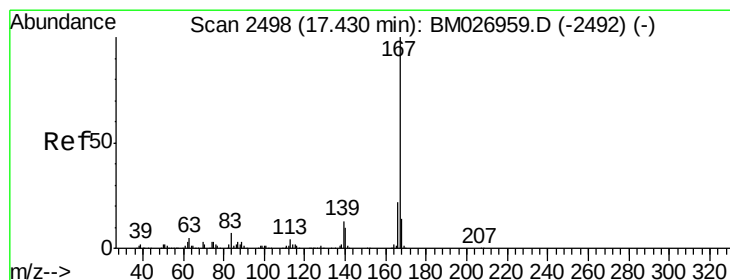
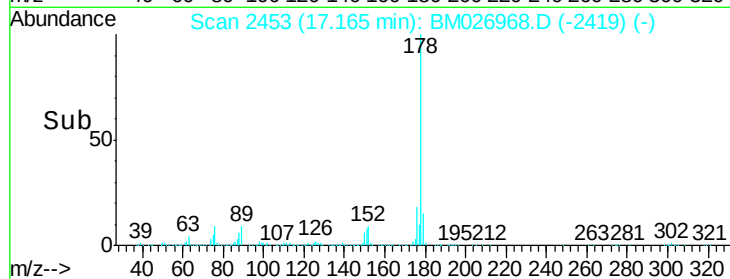
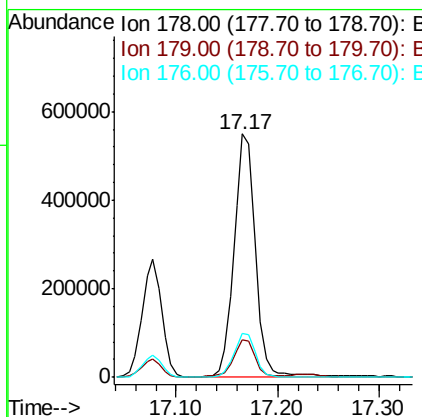
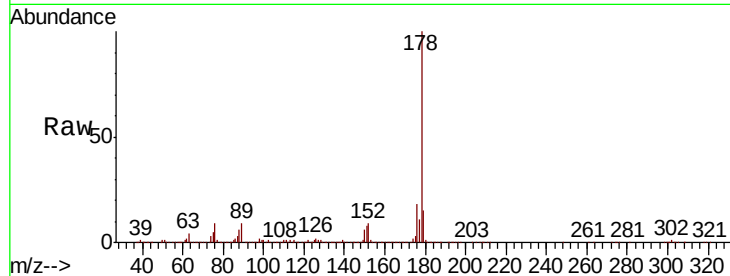
#72
 Anthracene
 Concen: 24.976 ng/ul
 RT: 17.17 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: BM026968.D
 Acq: 31 Jul 2020 21:08

Instrument :
 BNA_M
 ClientSampleId :
 C0S81

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.8	17.6
176	18.3	15.0	22.6

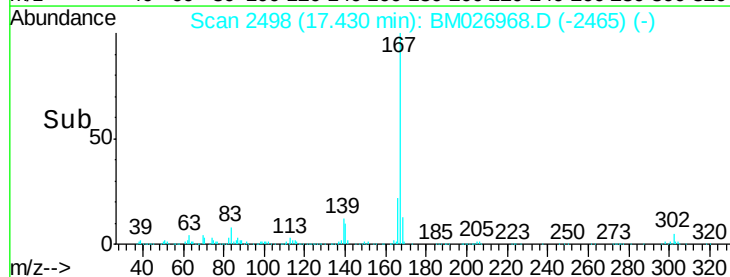
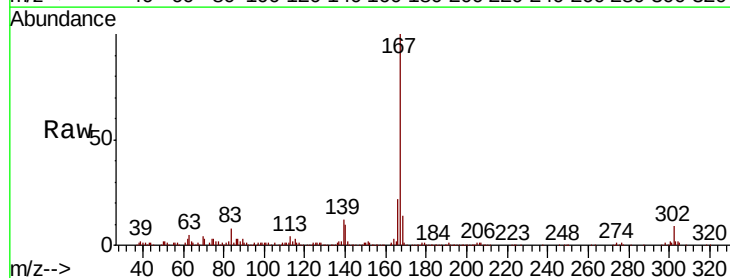
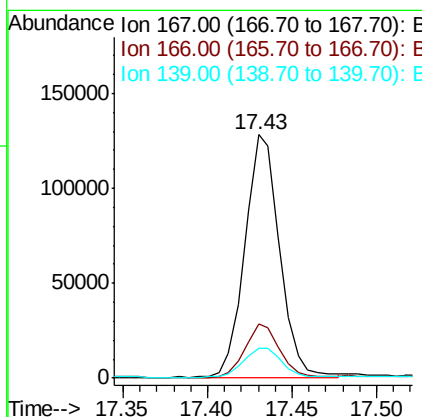
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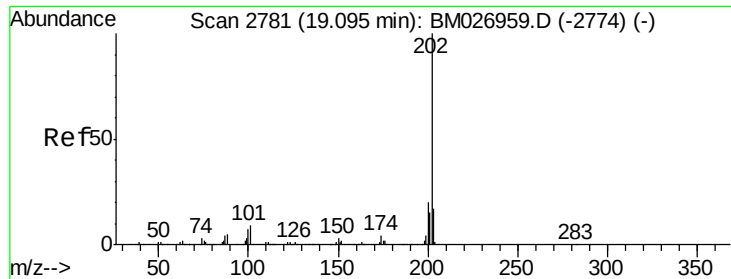
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#75
 Carbazole
 Concen: 6.467 ng/ul
 RT: 17.43 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BM026968.D
 Acq: 31 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.1	25.7
139	12.3	10.1	15.1





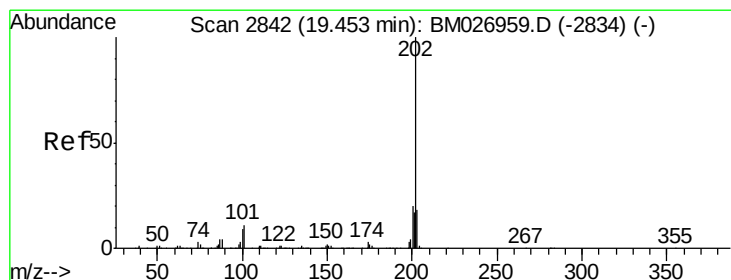
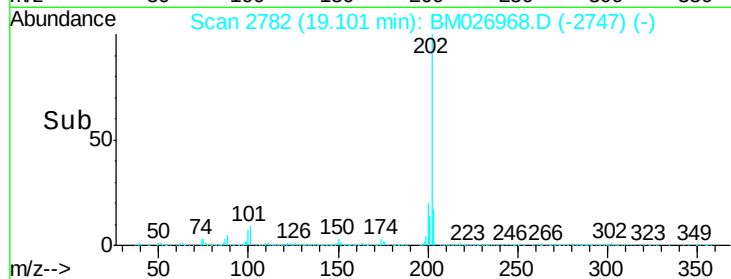
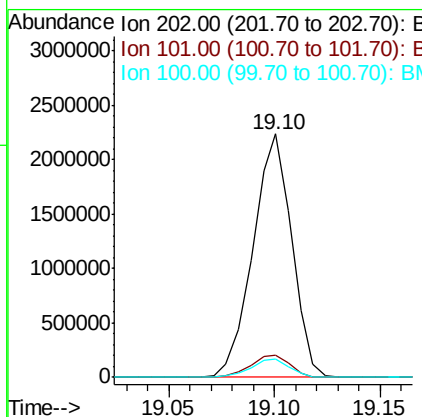
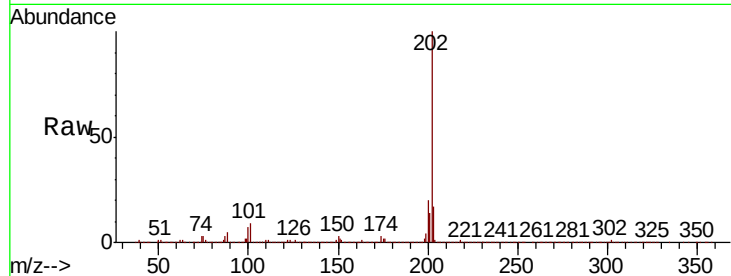
#77
Fluoranthene
Concen: 77.071 ng/ul
RT: 19.10 min Scan# 2782
Delta R.T. 0.01 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Instrument :
BNA_M
ClientSampled :
C0S81

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.7	11.5
100	7.4	6.2	9.4

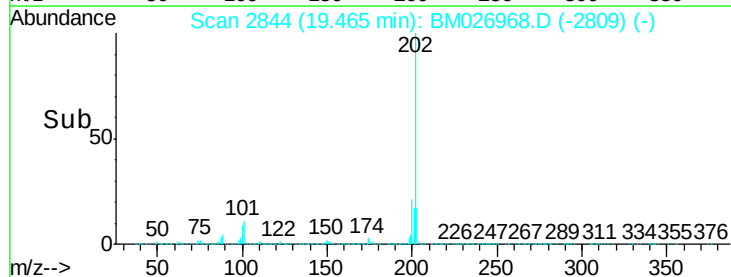
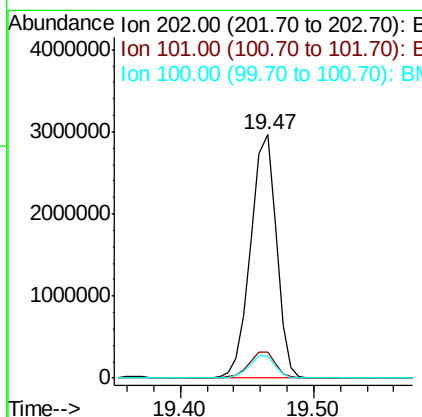
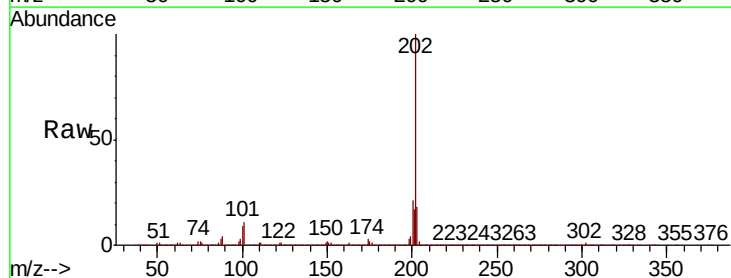
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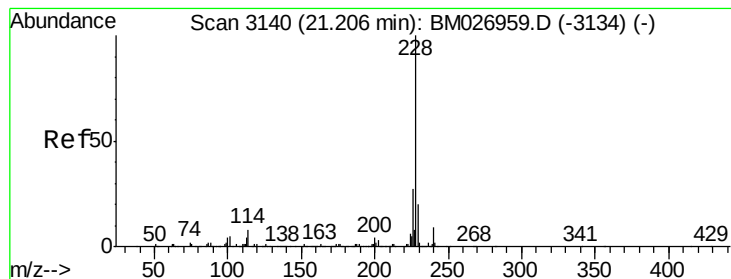
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#80
Pyrene
Concen: 108.112 ng/ul
RT: 19.47 min Scan# 2844
Delta R.T. 0.01 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.4	14.2
100	9.0	8.2	12.4





#83

Benzo(a)anthracene

Concen: 54.940 ng/ul m

RT: 21.21 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

Instrument :

BNA_M

ClientSampleId :

C0S81

Tot Ion:228 Resp: 1894425

Ion Ratio Lower Upper

228 100

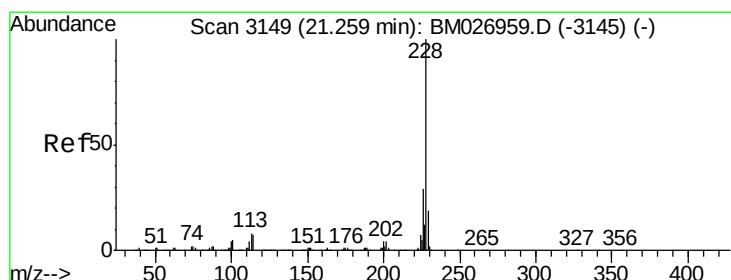
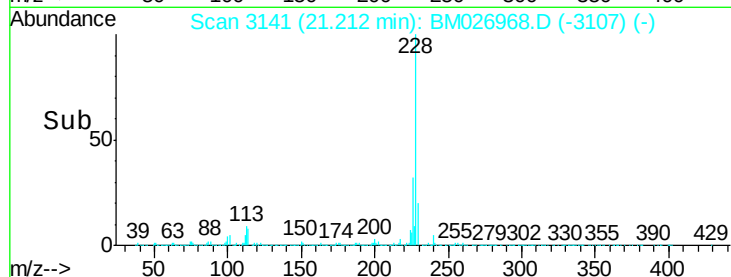
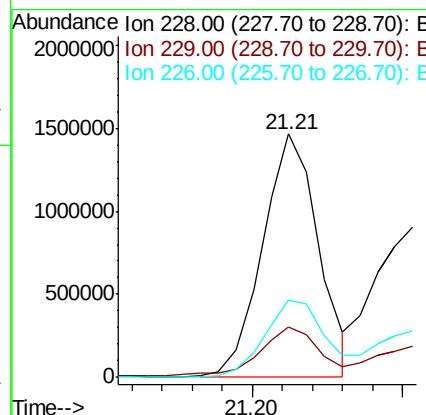
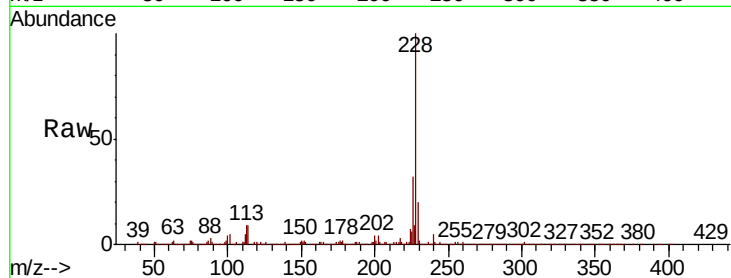
229 20.5 15.4 23.2

226 31.8 20.9 31.3#

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#85

Chrysene

Concen: 85.519 ng/ul

RT: 21.27 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BM026968.D

Acq: 31 Jul 2020 21:08

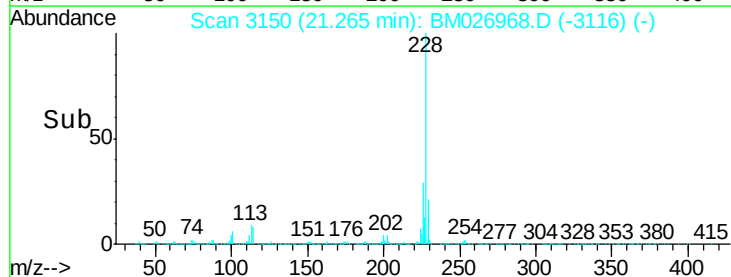
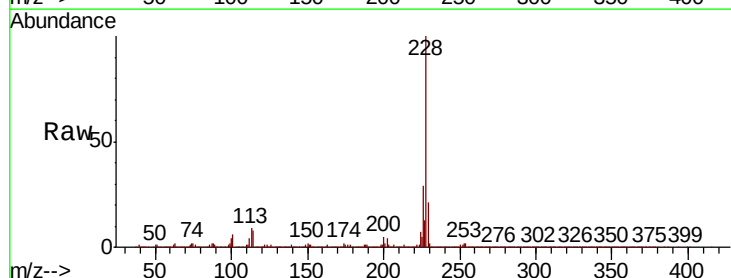
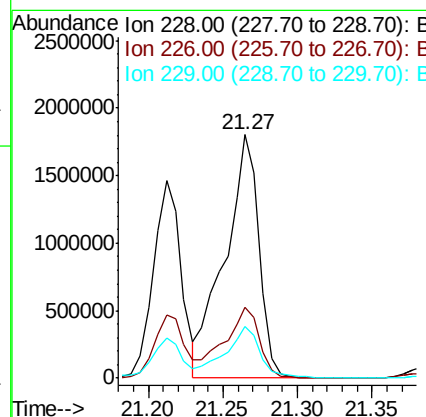
Tgt Ion:228 Resp: 2875667

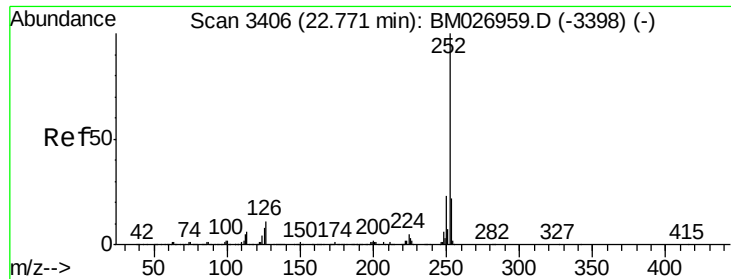
Ion Ratio Lower Upper

228 100

226 29.2 23.2 34.8

229 21.1 15.5 23.3





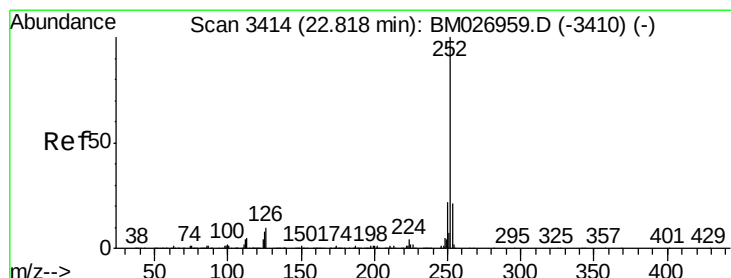
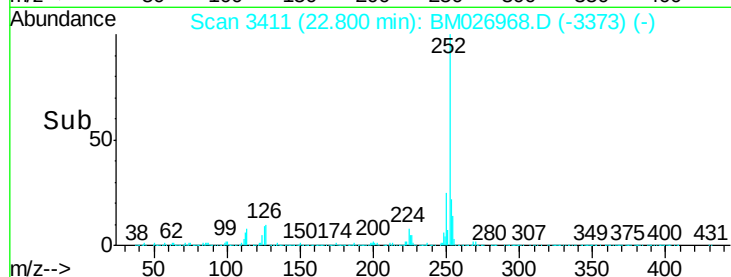
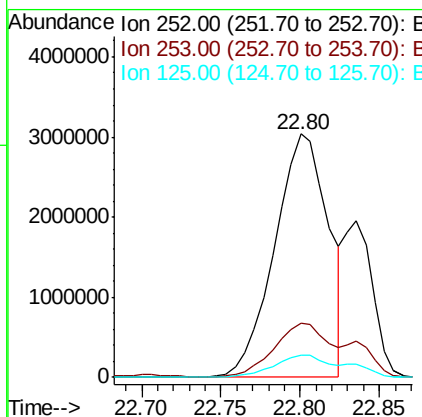
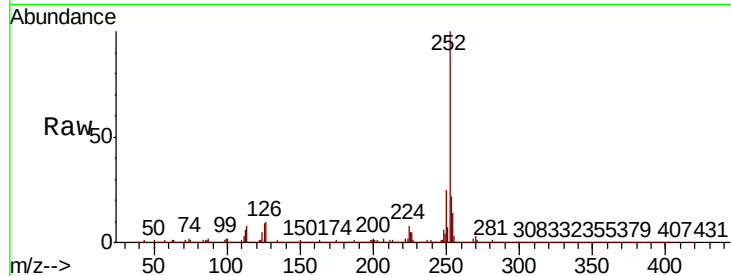
#88
Benzo(b)fluoranthene
Concen: 197.028 ng/ul
RT: 22.80 min Scan# 3411
Delta R.T. 0.02 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Instrument :
BNA_M
ClientSampled :
C0S81

Tot Ion:252 Resp: 7145622
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 9.2 6.6 10.0

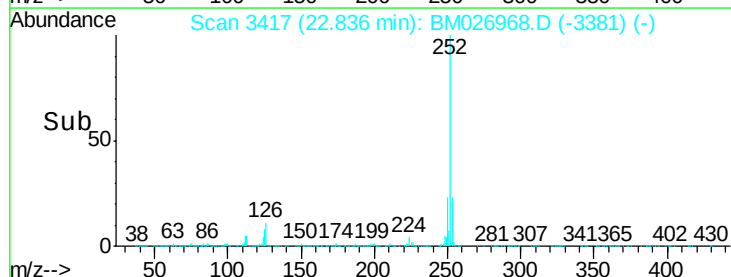
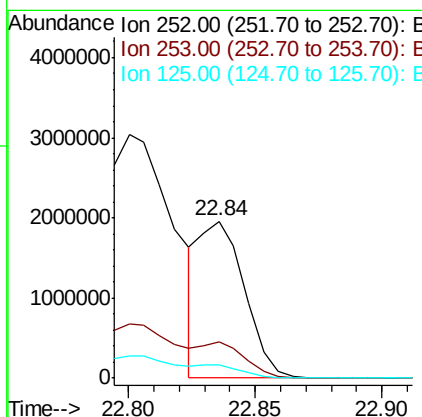
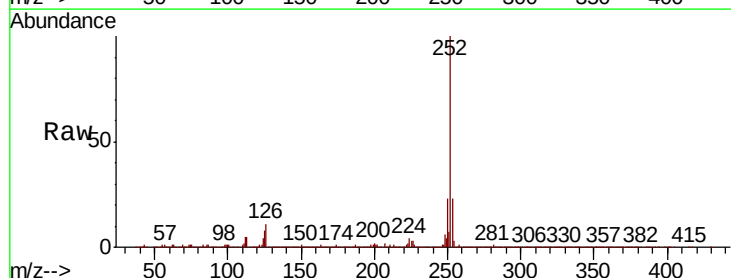
Manual Integrations
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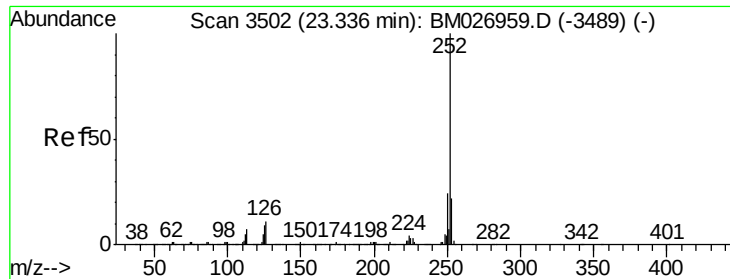
mohammad
8/3/2020 12:23:59 PM



#89
Benzo(k)fluoranthene
Concen: 68.355 ng/ul
RT: 22.84 min Scan# 3417
Delta R.T. 0.01 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Tgt Ion:252 Resp: 2378837
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 8.4 7.3 10.9





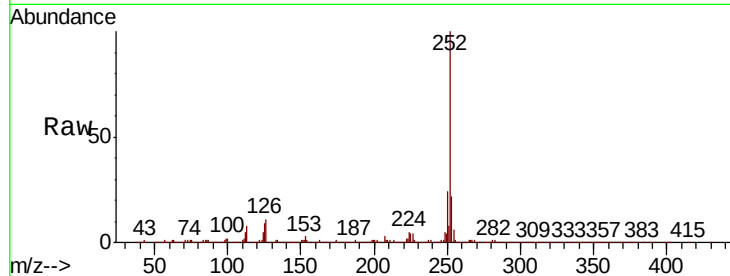
#91
Benzo(a)pyrene
Concen: 69.226 ng/ul
RT: 23.35 min Scan# 3505
Delta R.T. 0.01 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Instrument :
BNA_M
ClientSampleId :
C0S81

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.3	8.2	12.2

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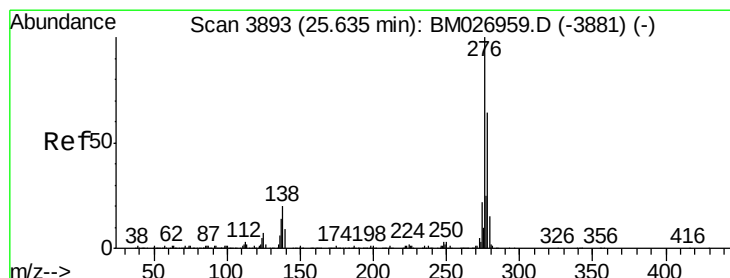
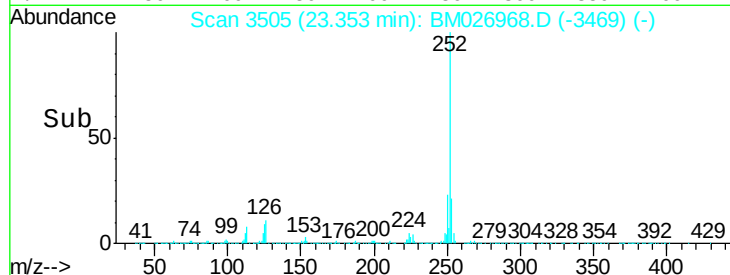
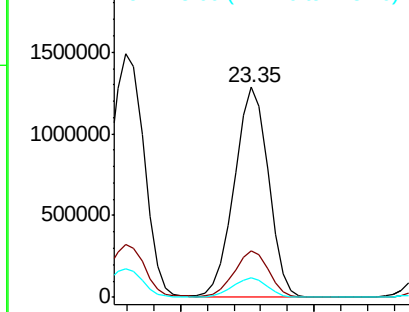


Abundance

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



#92
Indeno(1,2,3-cd)pyrene
Concen: 58.555 ng/ul
RT: 25.67 min Scan# 3899
Delta R.T. 0.03 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

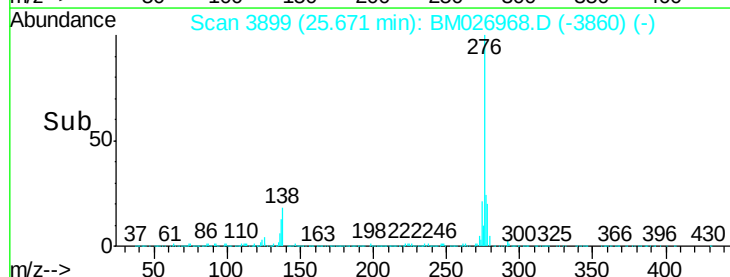
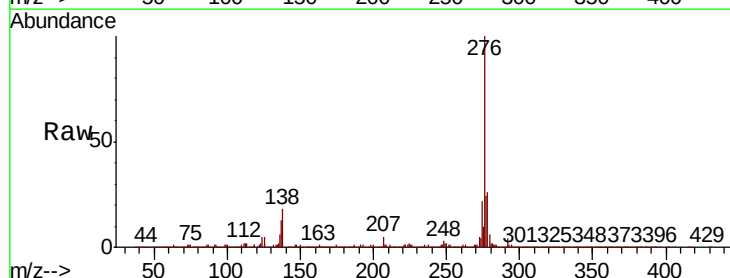
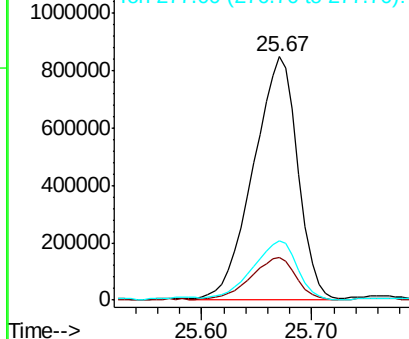
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	17.0	25.4
277	24.5	20.6	30.8

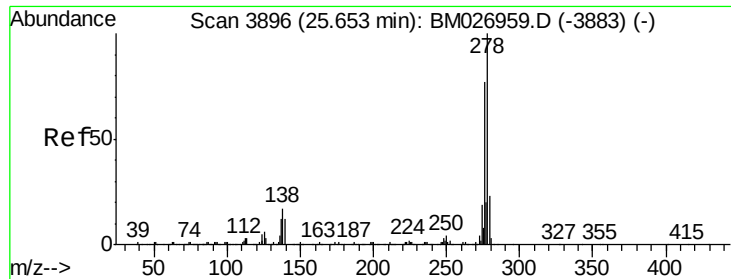
Abundance

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





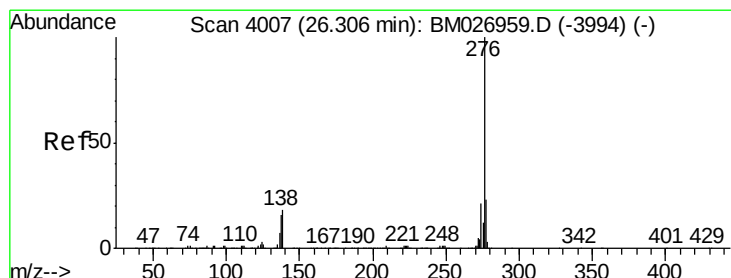
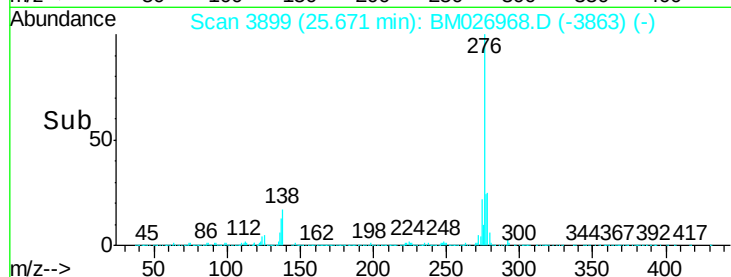
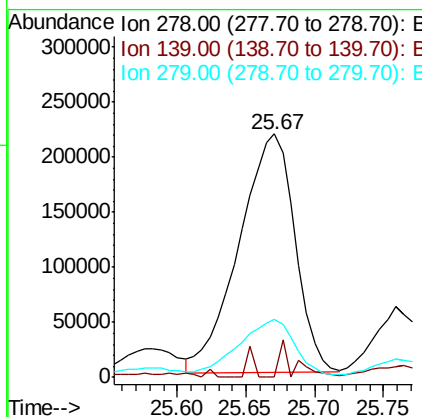
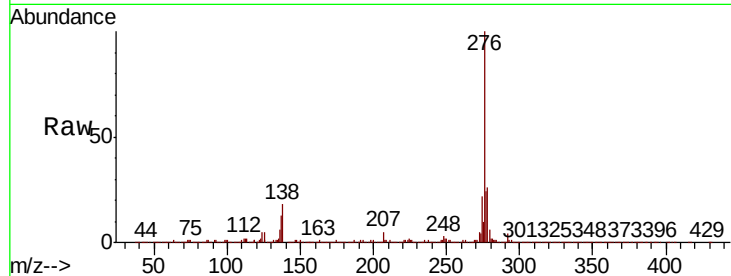
#93
Dibenzo(a,h)anthracene
Concen: 17.846 ng/ul m
RT: 25.67 min Scan# 3899
Delta R.T. 0.01 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Instrument :
BNA_M
ClientSampled :
C0S81

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.9	16.3#
279	23.6	19.4	29.2

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 20.206 ng/ul
RT: 26.33 min Scan# 4011
Delta R.T. 0.01 min
Lab File: BM026968.D
Acq: 31 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.0	14.9	22.3
277	23.9	19.1	28.7

