

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
 Data File : BM026962.D
 Acq On : 31 Jul 2020 17:28
 Operator : JU/CG
 Sample : L3424-07 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0S82

Manual Integrations
 APPROVED

mohammad
 8/3/2020 12:23:45 PM

Quant Time: Jul 31 18:02:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 31 12:26:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	104431	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	407640	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	249965	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	518381	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	518153	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	516950	20.00	ng/ul	0.00

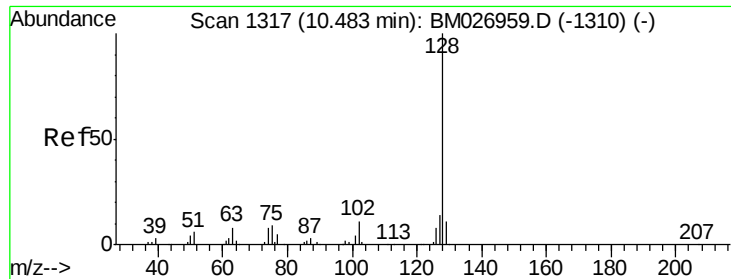
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1649	0.72	ng/uL	0.00
5) Phenol-d5	6.83	99	40636	4.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	28152	4.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	31597	4.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	31205	4.43	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	14276	4.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	14075	4.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	30388	4.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	18667	2.26	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	90809	4.63	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	112616	4.52	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	12728	3.84	ng/ul	0.00
58) Fluorene-d10	15.29	176	78772	4.62	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	8299	3.59	ng/ul	0.00
71) Anthracene-d10	17.13	188	118963	4.59	ng/ul	0.00
79) Pyrene-d10	19.43	212	128479	4.65	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	130246	4.46	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.48	128	57098	2.507	ng/ul	99
45) Dimethylphthalate	13.75	163	30893	1.502	ng/ul	98
48) Acenaphthylene	14.01	152	249865	9.860	ng/ul	99
54) Dibenzofuran	14.69	168	45547	1.882	ng/ul	97
70) Phenanthrene	17.08	178	230717	7.332	ng/ul	100
72) Anthracene	17.17	178	379050	11.720	ng/ul	98
75) Carbazole	17.43	167	101085	3.536	ng/ul	99
77) Fluoranthene	19.10	202	2474410	66.600	ng/ul	98
80) Pvrene	19.46	202	3130004	83.028	ng/ul	98
83) Benzo(a)anthracene	21.21	228	1596483	44.701	ng/ul	93
85) Chrysene	21.27	228	2335839	67.068	ng/ul	97
88) Benzo(b)fluoranthene	22.80	252	5959119	161.142	ng/ul	98
89) Benzo(k)fluoranthene	22.84	252	1694880m	47.762	ng/ul	
91) Benzo(a)pyrene	23.35	252	1574875	47.195	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.66	276	1887529	45.596	ng/ul	96
93) Dibenzo(a,h)anthracene	25.66	278	489522	13.981	ng/ul#	95
94) Benzo(q,h,i)perylene	26.32	276	533916	15.598	ng/ul	99

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



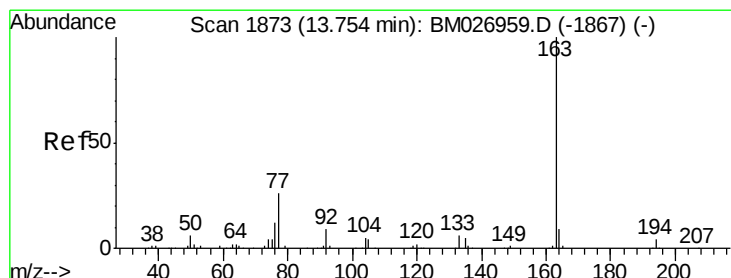
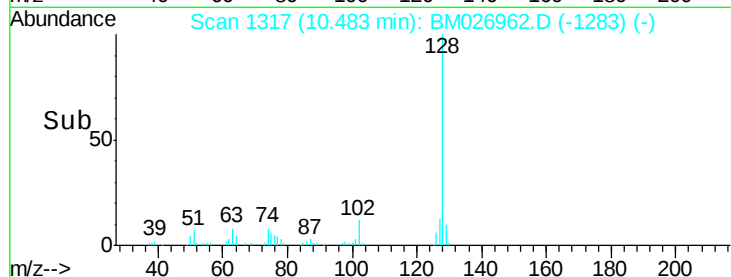
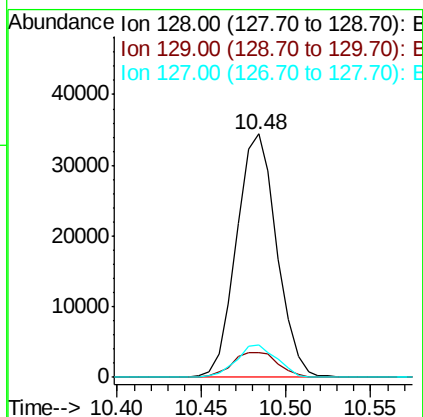
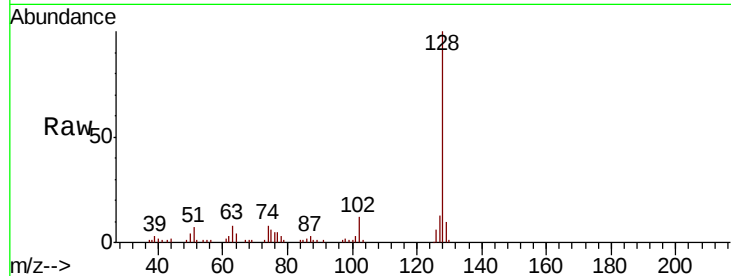
#28
Naphthalene
Concen: 2.507 ng/ul
RT: 10.48 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BM026962.D
Acq: 31 Jul 2020 17:28

Instrument :
BNA_M
ClientSampleId :
C0S82

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.3	12.5
127	13.1	11.0	16.6

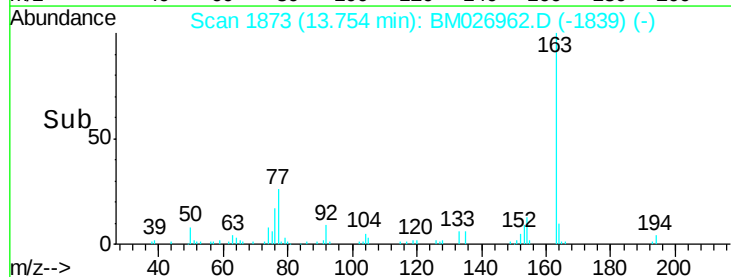
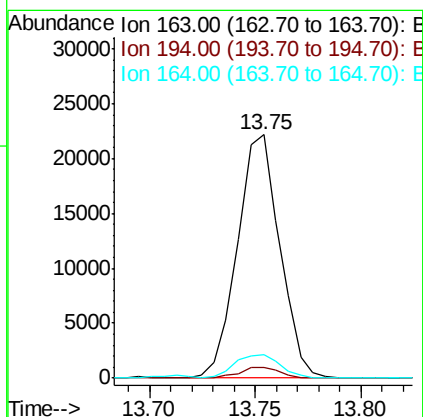
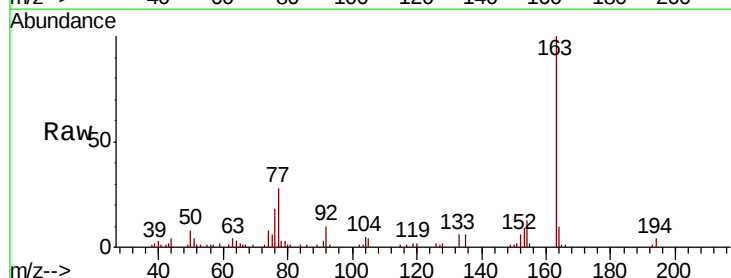
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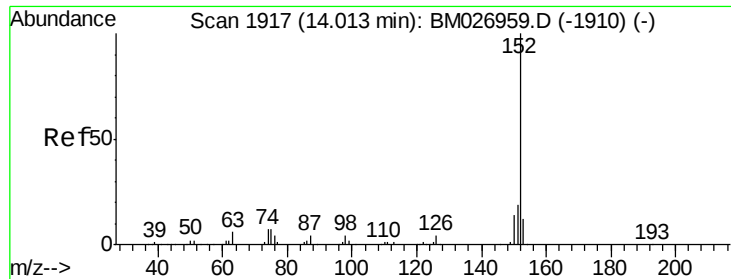
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#45
Dimethylphthalate
Concen: 1.502 ng/ul
RT: 13.75 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BM026962.D
Acq: 31 Jul 2020 17:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.0	4.6
164	9.8	8.6	12.8





#48

Acenaphthylene

Concen: 9.860 ng/ul

RT: 14.01 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM026962.D

Acq: 31 Jul 2020 17:28

Instrument :

BNA_M

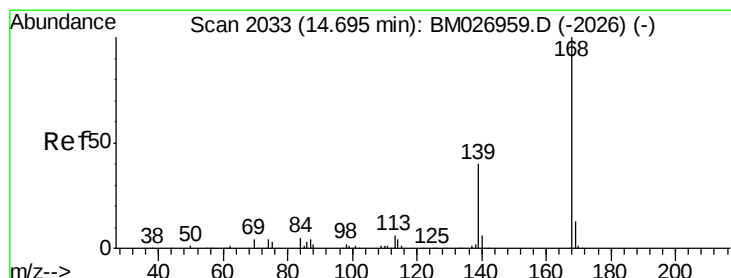
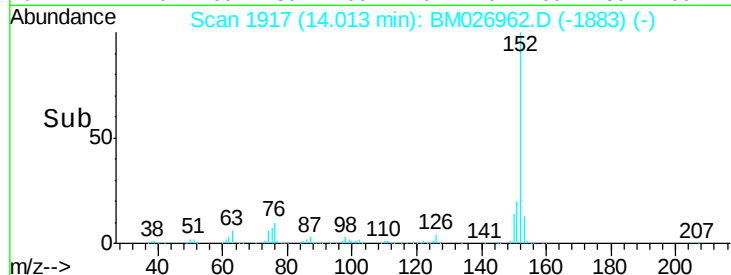
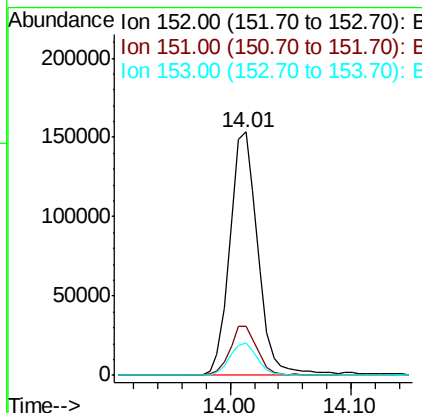
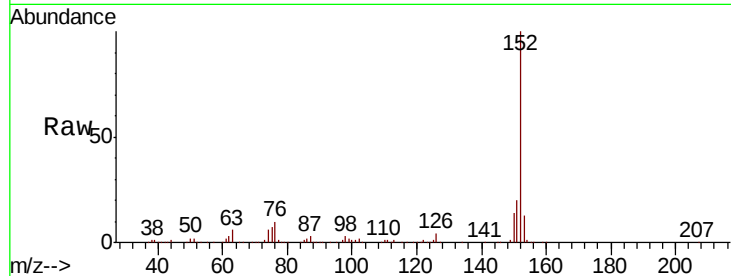
ClientSampleId :

C0S82

Tot Ion:	152	Resp:	249865
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.8	23.6
153	13.2	10.7	16.1

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#54

Dibenzofuran

Concen: 1.882 ng/ul

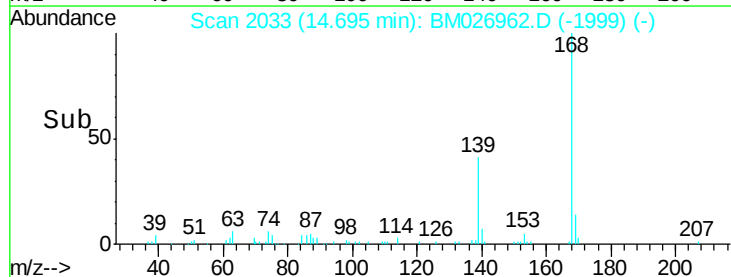
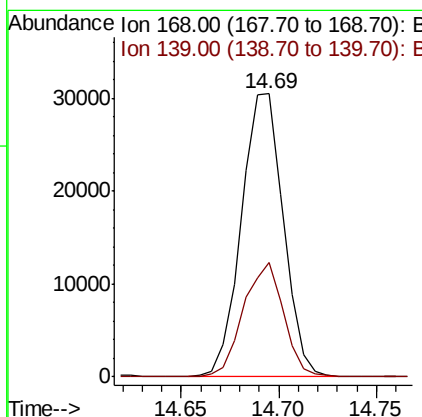
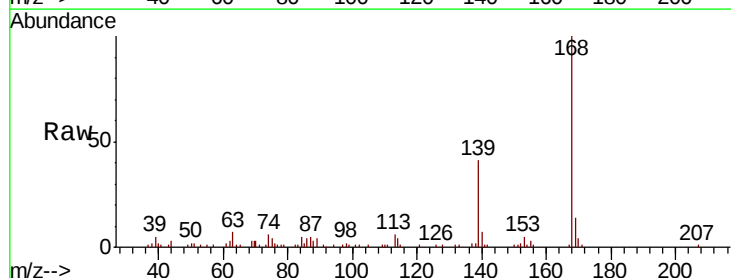
RT: 14.69 min Scan# 2033

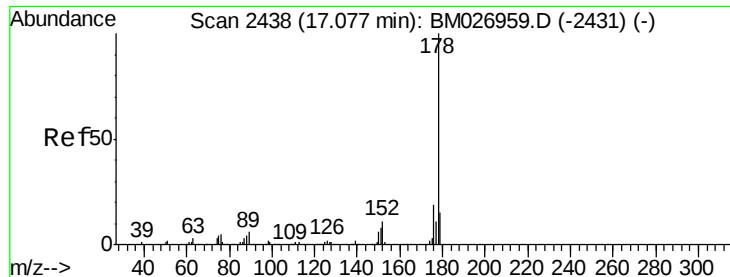
Delta R.T. -0.00 min

Lab File: BM026962.D

Acq: 31 Jul 2020 17:28

Tgt Ion:	168	Resp:	45547
Ion Ratio	Lower	Upper	
168	100		
139	40.5	30.8	46.2





#70

Phenanthrene

Concen: 7.332 ng/ul

RT: 17.08 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM026962.D

Acq: 31 Jul 2020 17:28

Instrument :

BNA_M

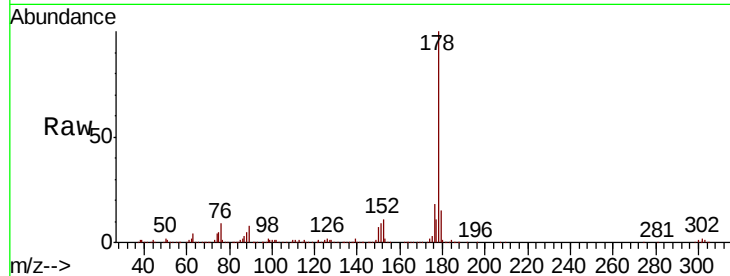
ClientSampleId :

C0S82

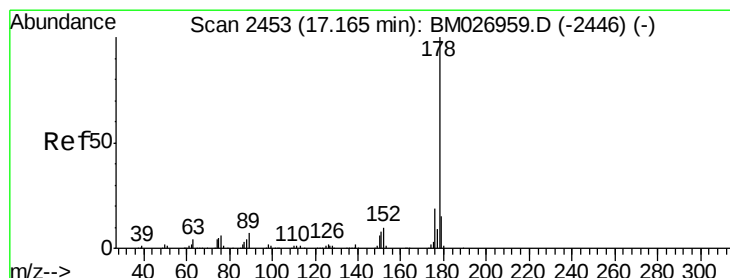
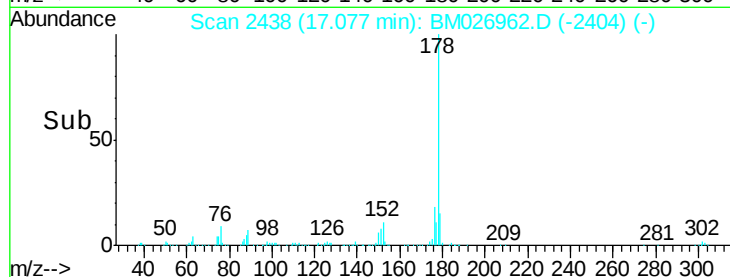
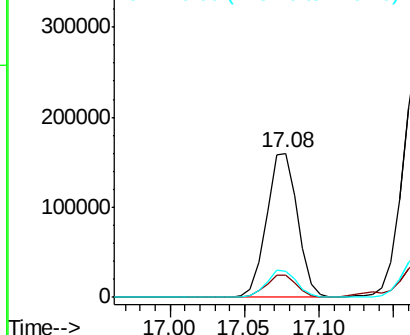
Tot Ion:178	Resp:	230717
Ion Ratio	Lower	Upper
178	100	
179	15.3	12.0 18.0
176	18.3	14.7 22.1

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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: 11.720 ng/ul

RT: 17.17 min Scan# 2453

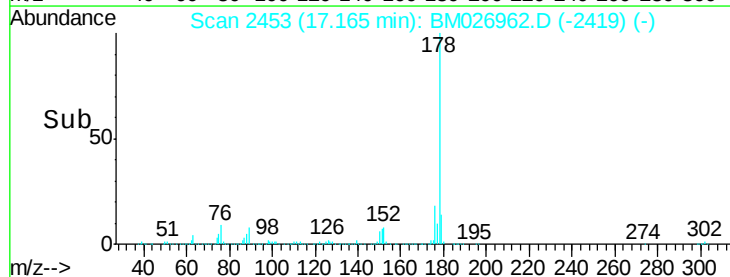
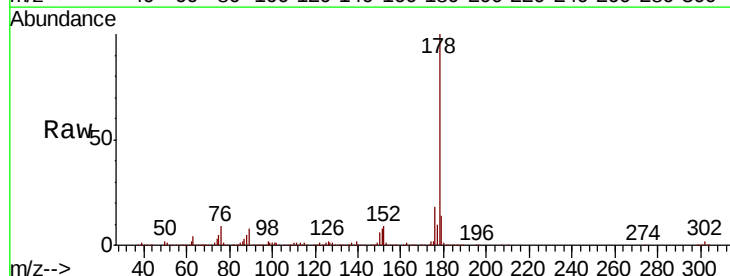
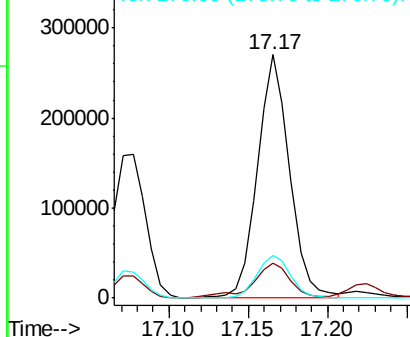
Delta R.T. -0.00 min

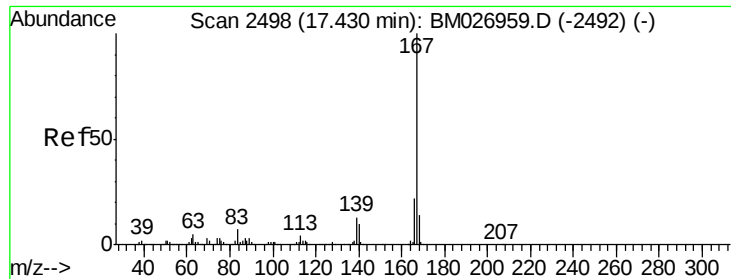
Lab File: BM026962.D

Acq: 31 Jul 2020 17:28

Tgt Ion:178	Resp:	379050
Ion Ratio	Lower	Upper
178	100	
179	14.5	11.8 17.6
176	17.5	15.0 22.6

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





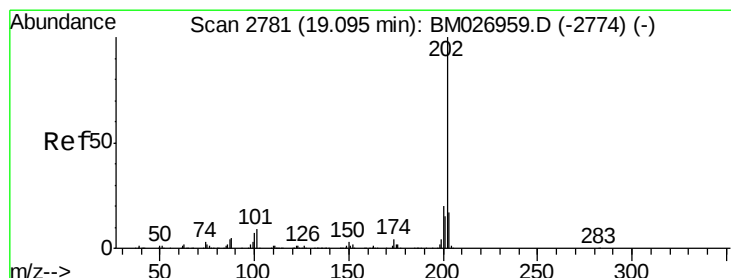
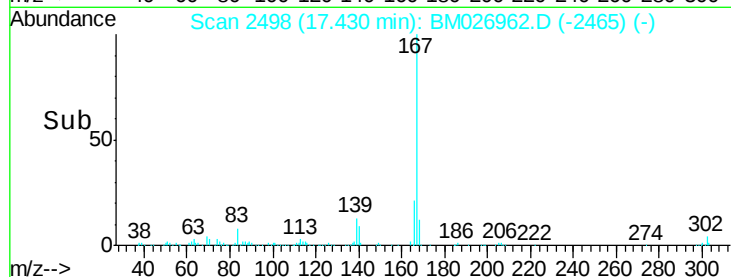
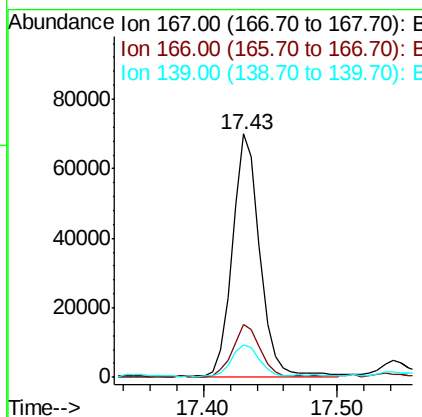
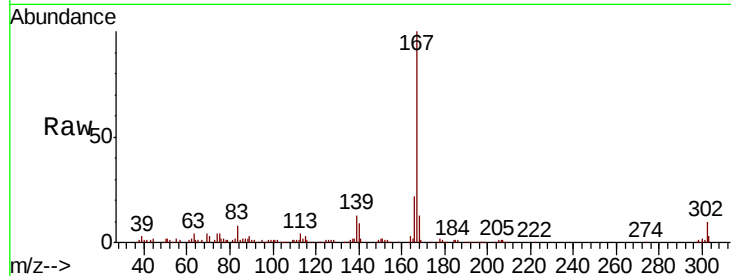
#75
 Carbazole
 Concen: 3.536 ng/ul
 RT: 17.43 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BM026962.D
 Acq: 31 Jul 2020 17:28

Instrument :
 BNA_M
 ClientSampleId :
 C0S82

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	13.1	10.1	15.1

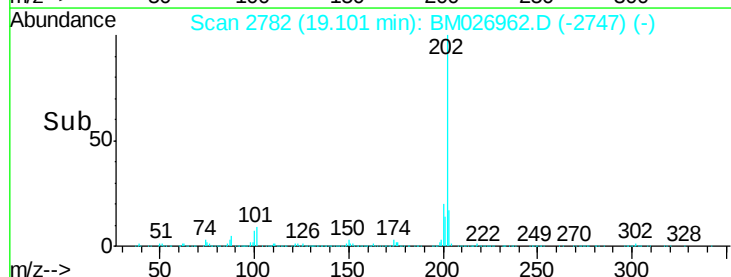
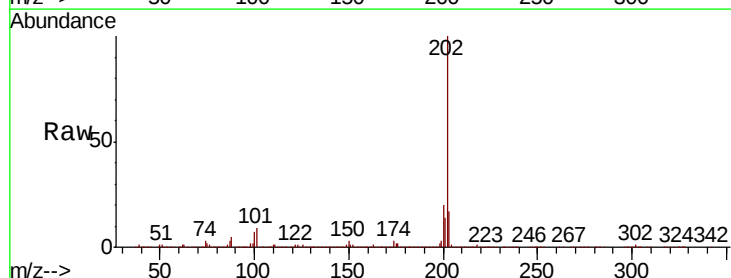
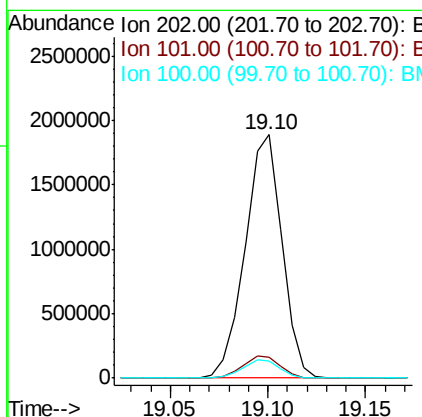
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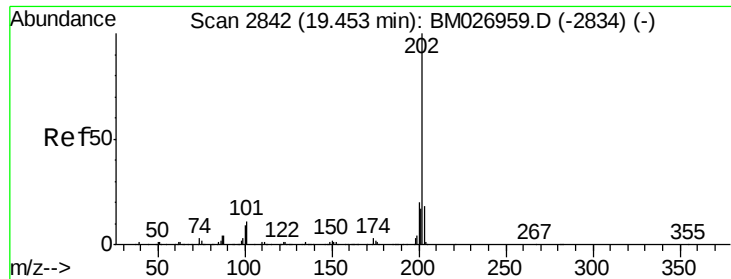
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#77
 Fluoranthene
 Concen: 66.600 ng/ul
 RT: 19.10 min Scan# 2782
 Delta R.T. 0.01 min
 Lab File: BM026962.D
 Acq: 31 Jul 2020 17:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.7	11.5
100	6.9	6.2	9.4





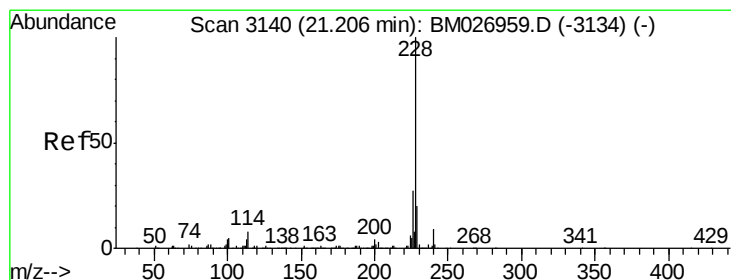
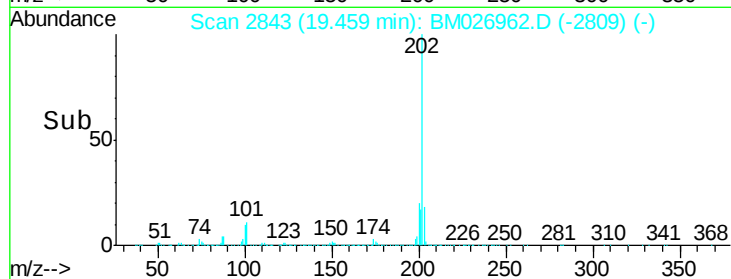
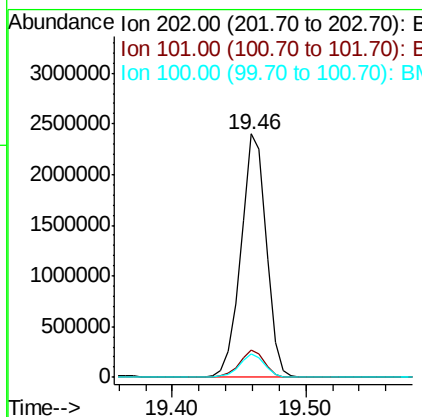
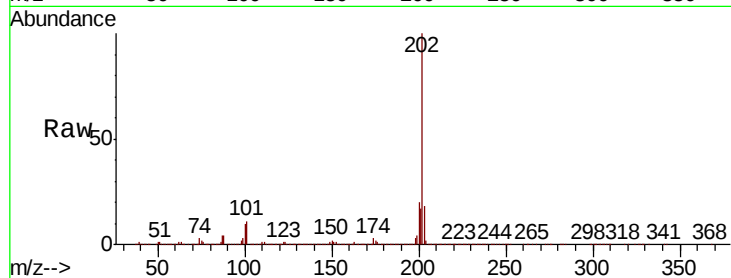
#80
Pvrene
Concen: 83.028 ng/ul
RT: 19.46 min Scan# 2843
Delta R.T. -0.00 min
Lab File: BM026962.D
Acq: 31 Jul 2020 17:28

Instrument :
BNA_M
ClientSampleId :
C0S82

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.4	14.2
100	9.6	8.2	12.4

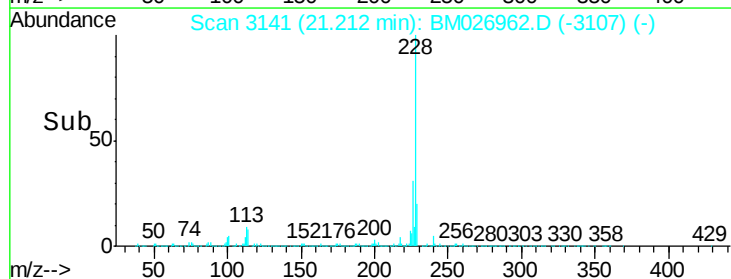
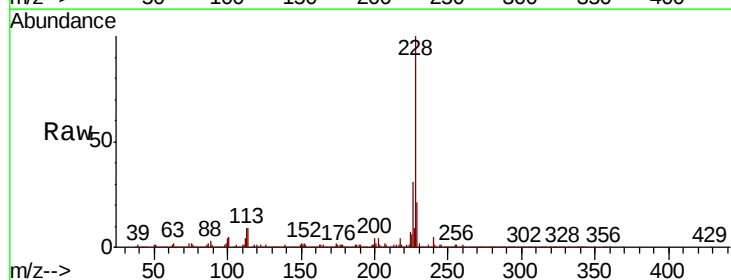
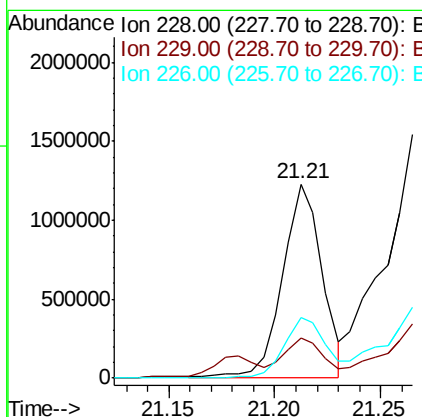
Manual Integrations
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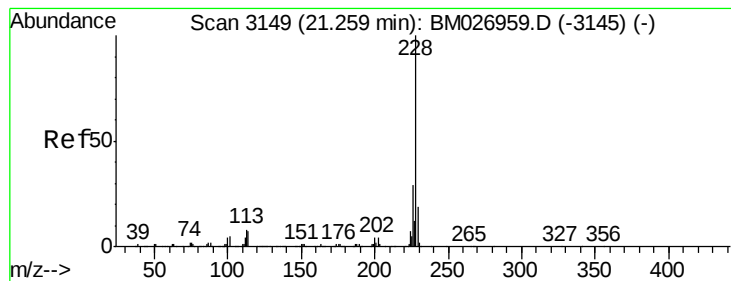
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#83
Benzo(a)anthracene
Concen: 44.701 ng/ul
RT: 21.21 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BM026962.D
Acq: 31 Jul 2020 17:28

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.4	23.2
226	31.0	20.9	31.3





#85

Chrysene

Concen: 67.068 ng/ul

RT: 21.27 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BM026962.D

Acq: 31 Jul 2020 17:28

Instrument :

BNA_M

ClientSampleId :

C0S82

Tot Ion:228 Resp: 2335839

Ion Ratio Lower Upper

228 100

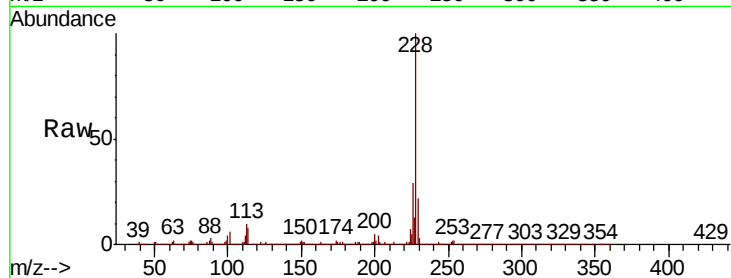
226 29.2 23.2 34.8

229 22.3 15.5 23.3

Manual Integrations
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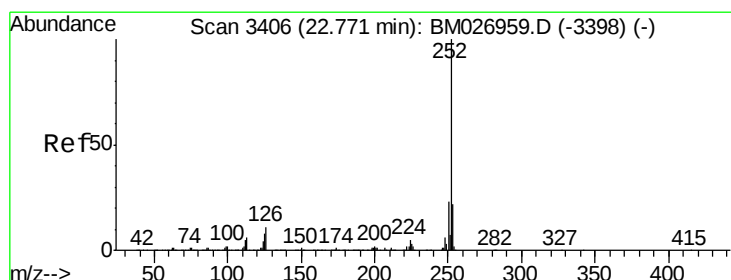
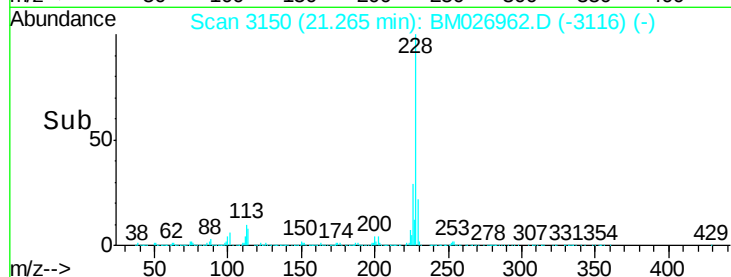
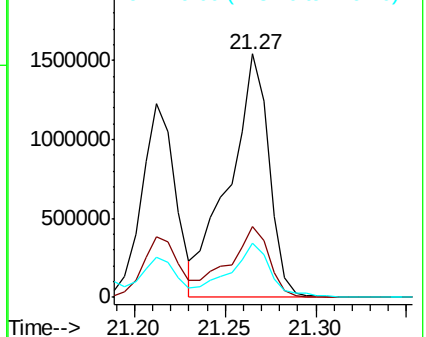


Abundance

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: 161.142 ng/ul

RT: 22.80 min Scan# 3411

Delta R.T. 0.02 min

Lab File: BM026962.D

Acq: 31 Jul 2020 17:28

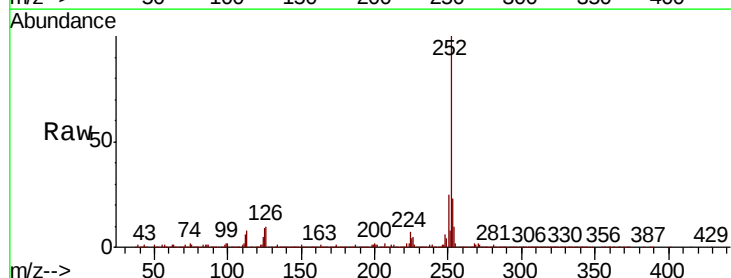
Tgt Ion:252 Resp: 5959119

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 9.2 6.6 10.0

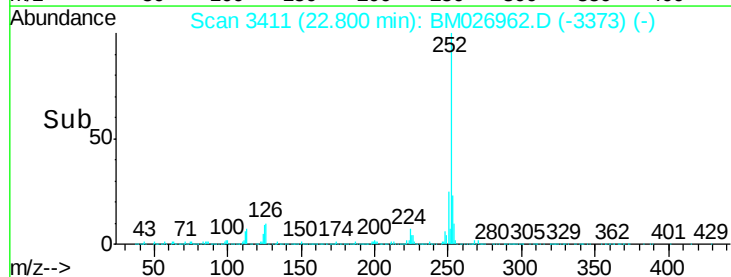
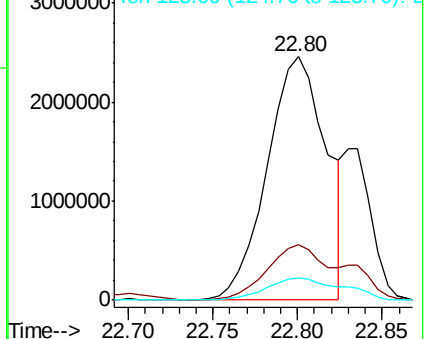


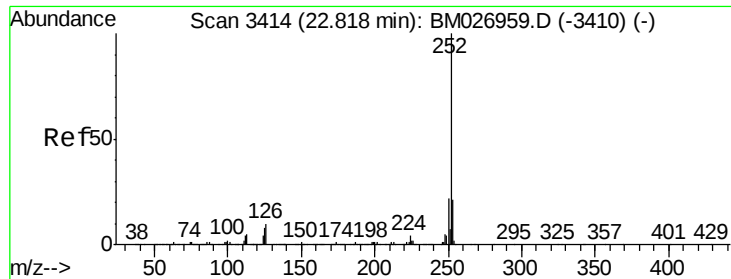
Abundance

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





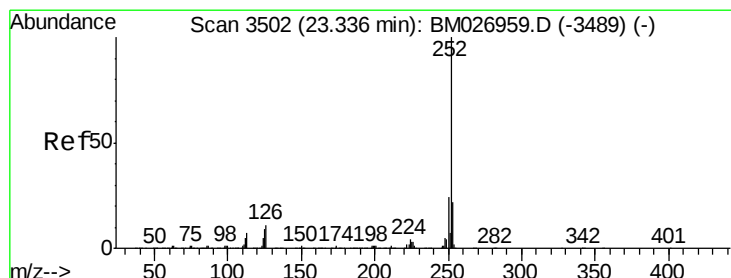
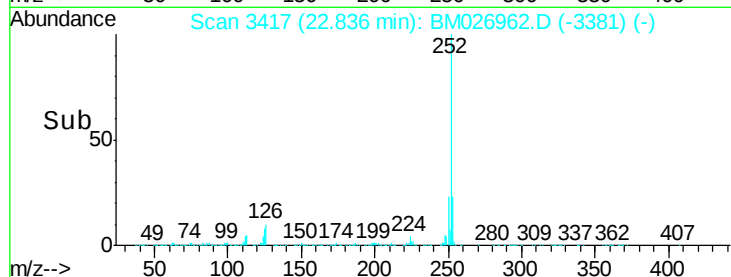
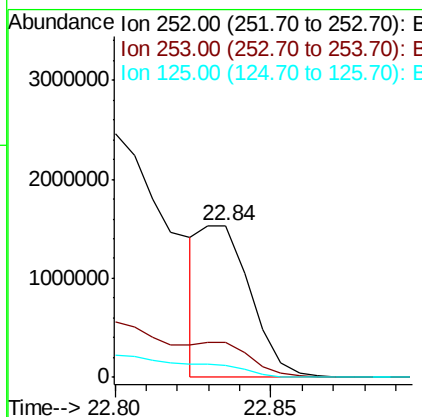
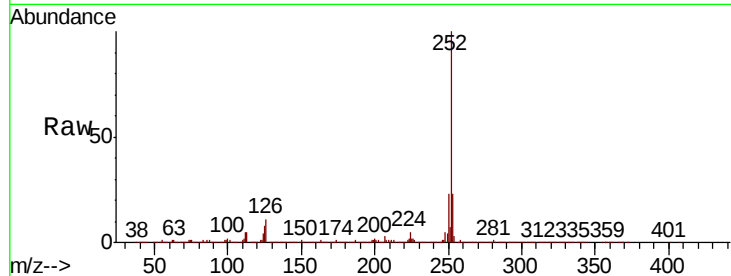
#89
Benzo(k)fluoranthene
Concen: 47.762 ng/ul m
RT: 22.84 min Scan# 3417
Delta R.T. 0.01 min
Lab File: BM026962.D
Acq: 31 Jul 2020 17:28

Instrument :
BNA_M
ClientSampleId :
C0S82

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	7.9	7.3	10.9

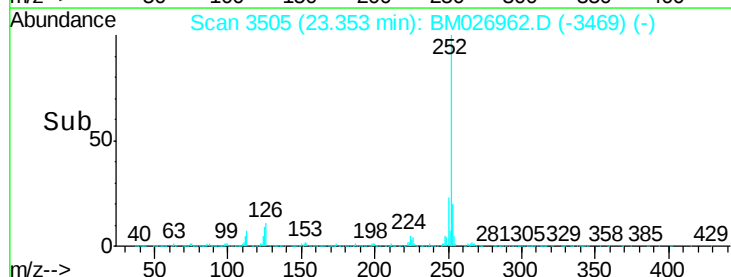
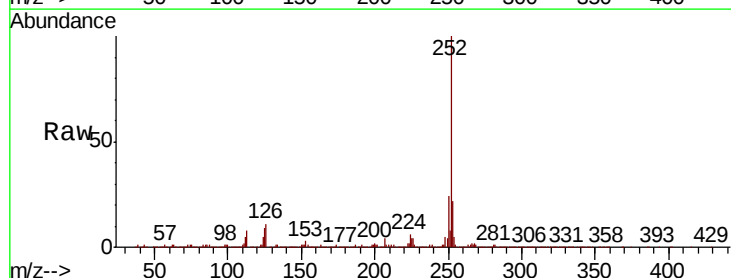
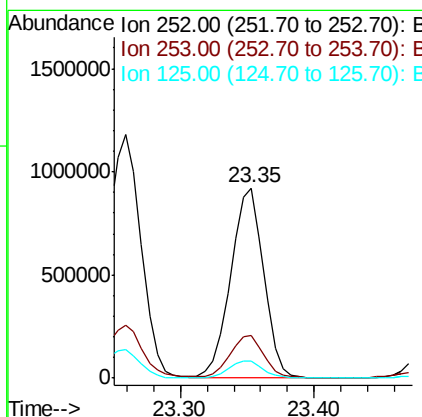
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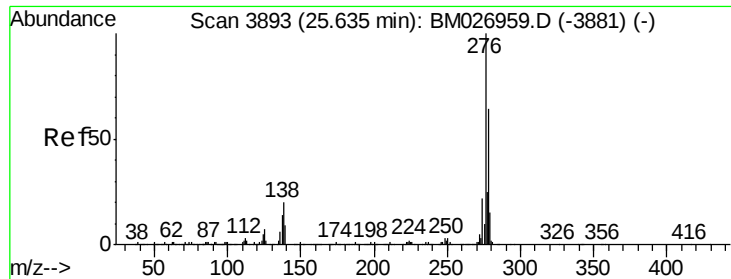
mohammad
8/3/2020 12:23:45 PM



#91
Benzo(a)pyrene
Concen: 47.195 ng/ul
RT: 23.35 min Scan# 3505
Delta R.T. 0.01 min
Lab File: BM026962.D
Acq: 31 Jul 2020 17:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	8.8	8.2	12.2





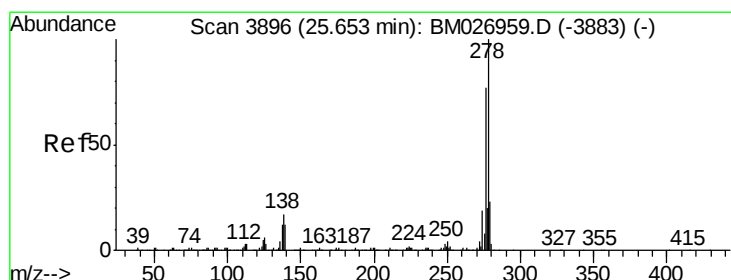
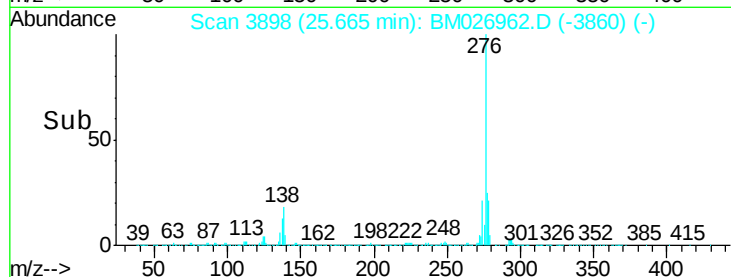
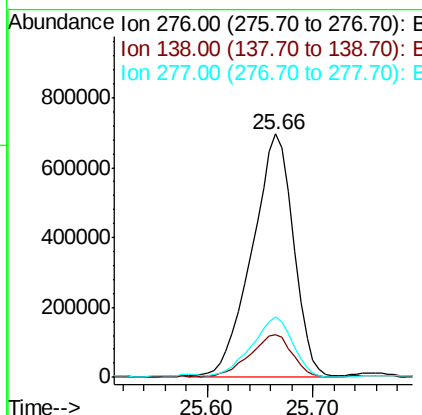
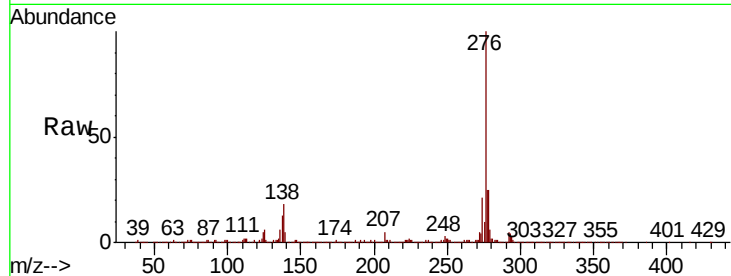
#92
Indeno(1,2,3-cd)pyrene
Concen: 45.596 ng/ul
RT: 25.66 min Scan# 3898
Delta R.T. 0.02 min
Lab File: BM026962.D
Acq: 31 Jul 2020 17:28

Instrument :
BNA_M
ClientSampleId :
C0S82

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.6	17.0	25.4
277	24.8	20.6	30.8

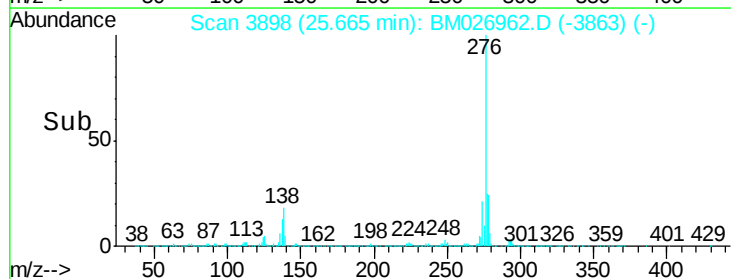
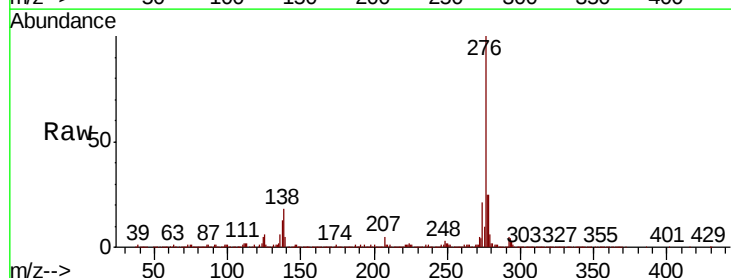
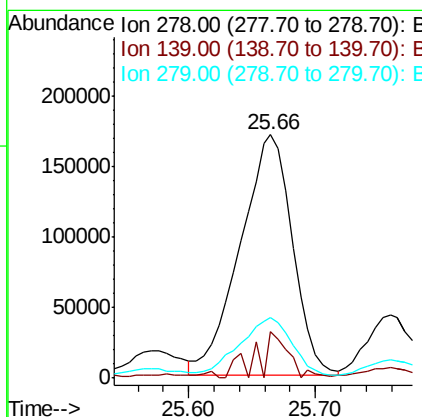
Manual Integrations
APPROVED

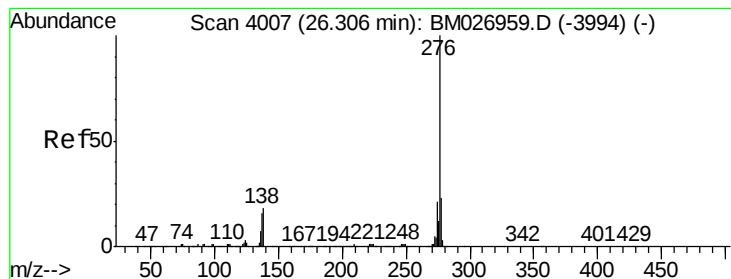
mohammad
8/3/2020 12:23:45 PM



#93
Dibenzo(a,h)anthracene
Concen: 13.981 ng/ul
RT: 25.66 min Scan# 3898
Delta R.T. 0.01 min
Lab File: BM026962.D
Acq: 31 Jul 2020 17:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	10.9	16.3#
279	24.8	19.4	29.2





#94

Benzo(a,h,i)perylene

Concen: 15.598 ng/ul

RT: 26.32 min Scan# 4010

Delta R.T. 0.01 min

Lab File: BM026962.D

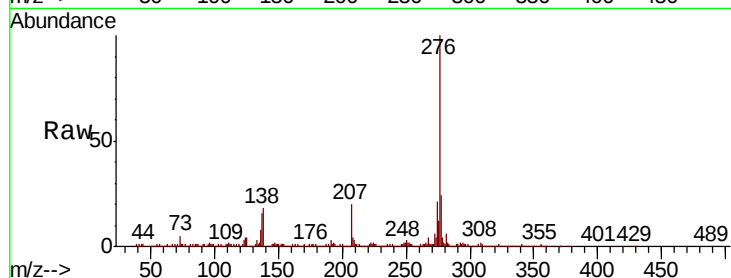
Acq: 31 Jul 2020 17:28

Instrument :

BNA_M

ClientSampleId :

C0S82



Tot Ion	Ratio	Lower	Upper
276	100		
138	18.0	14.9	22.3
277	24.2	19.1	28.7

Manual Integrations
APPROVED

mohammad
8/3/2020 12:23:45 PM

