

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM073120\
 Data File : BM026964.D
 Acq On : 31 Jul 2020 18:41
 Operator : JU/CG
 Sample : L3424-04 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0S79

Manual Integrations
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mohammad
 8/3/2020 12:23:47 PM

Quant Time: Aug 08 08:32:01 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	107726	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	426388	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	266628	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	545634	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	535694	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	538902	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1153	0.49	ng/uL	0.00
5) Phenol-d5	6.84	99	35491	3.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	25331	3.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	26281	3.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	30077	4.14	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	12962	3.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	14093	4.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	29432	4.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	22031	2.55	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	87833	4.20	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	113260	4.26	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	10509	2.97	ng/ul	0.00
58) Fluorene-d10	15.29	176	78339	4.31	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	7228	2.97	ng/ul	0.00
71) Anthracene-d10	17.13	188	119420	4.38	ng/ul	0.00
79) Pyrene-d10	19.43	212	124133	4.34	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	127689	4.20	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.48	128	152231	6.390	ng/ul 99
34) 2-Methylnaphthalene	12.10	142	28577	1.697	ng/ul 93
48) Acenaphthylene	14.01	152	319154	11.807	ng/ul 98
54) Dibenzofuran	14.69	168	51498	1.995	ng/ul 97
59) Fluorene	15.34	166	32848	1.511	ng/ul 97
70) Phenanthrene	17.08	178	264858	7.997	ng/ul 100
72) Anthracene	17.17	178	1169837	34.364	ng/ul 99
75) Carbazole	17.43	167	111809	3.715	ng/ul 98
77) Fluoranthene	19.09	202	1577951	40.350	ng/ul 100
80) Pyrene	19.46	202	1814037	46.544	ng/ul 97
83) Benzo(a)anthracene	21.21	228	1287447m	34.868	ng/ul
85) Chrysene	21.27	228	2566646	71.282	ng/ul 99
88) Benzo(b)fluoranthene	22.79	252	4827584	125.226	ng/ul 98
89) Benzo(k)fluoranthene	22.83	252	1706749m	46.137	ng/ul
91) Benzo(a)pyrene	23.35	252	1399858	40.241	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	25.66	276	2011980	46.622	ng/ul# 95
93) Dibenzo(a,h)anthracene	25.66	278	509314m	13.954	ng/ul
94) Benzo(g,h,i)perylene	26.33	276	927961	26.005	ng/ul 98

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

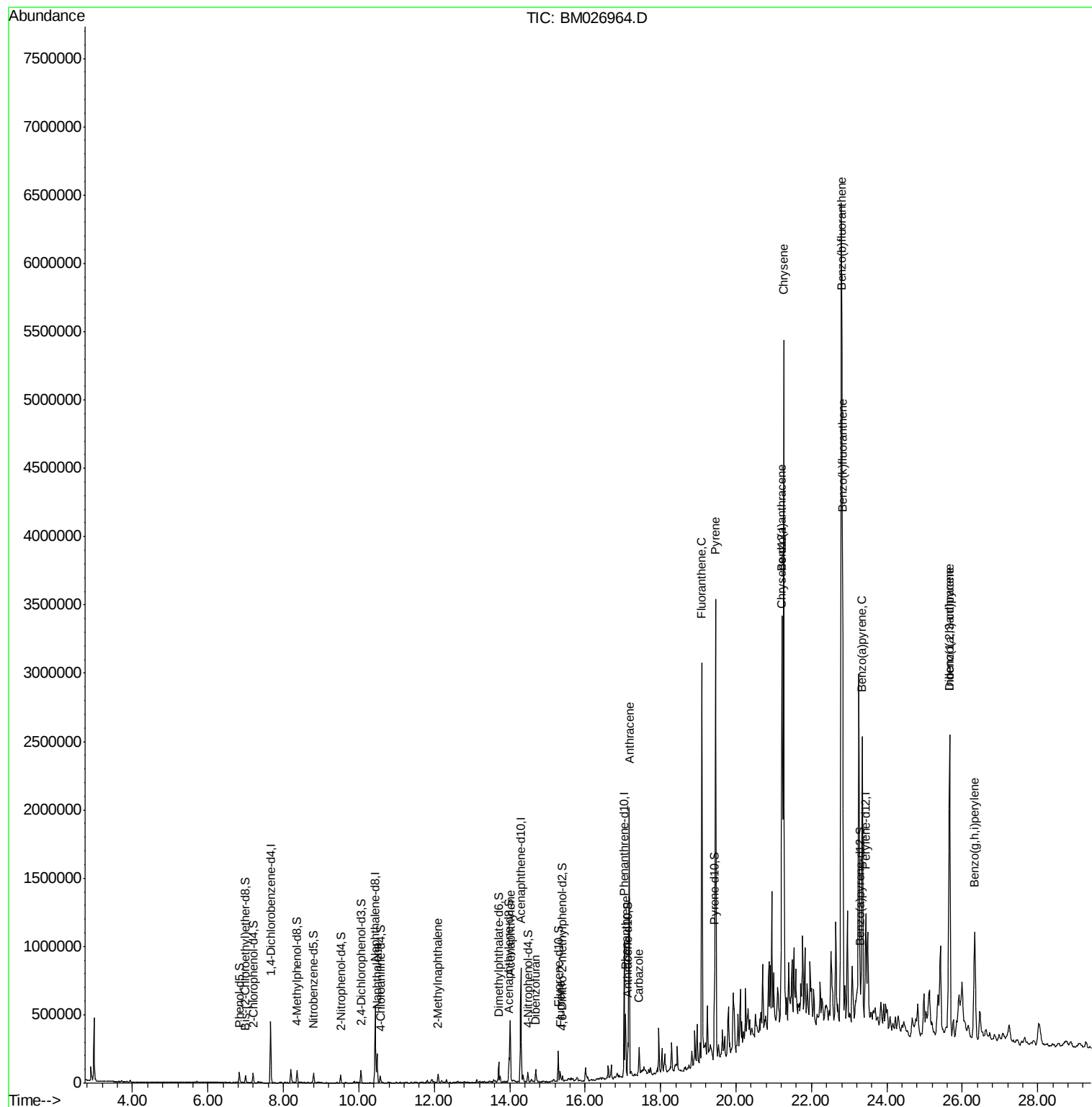
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM073120\
Data File : BM026964.D
Acq On : 31 Jul 2020 18:41
Operator : JU/CG
Sample : L3424-04 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

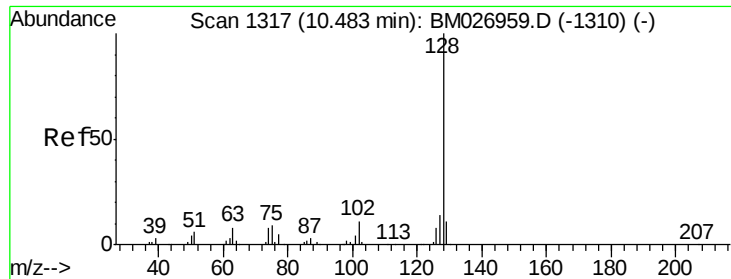
Instrument :
BNA_M
ClientSampleId :
C0S79

Quant Time: Aug 08 08:32:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

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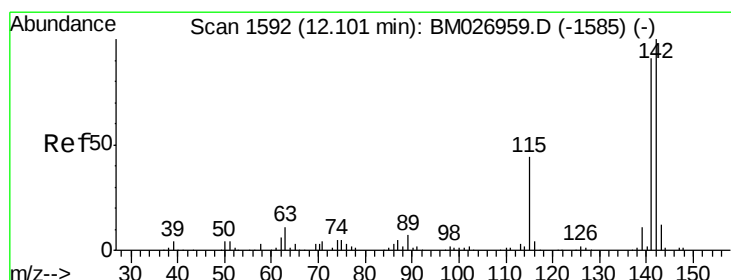
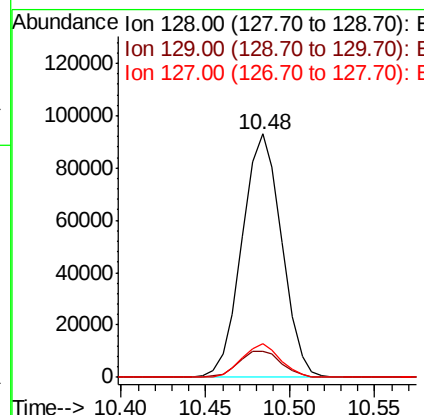
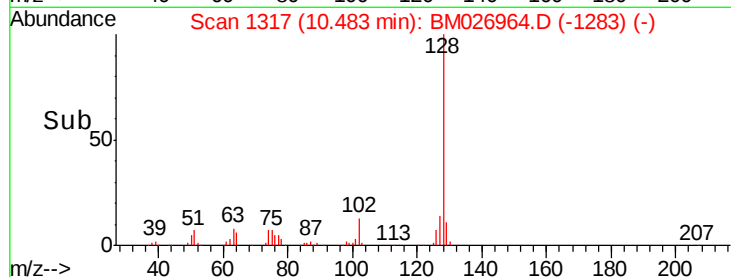
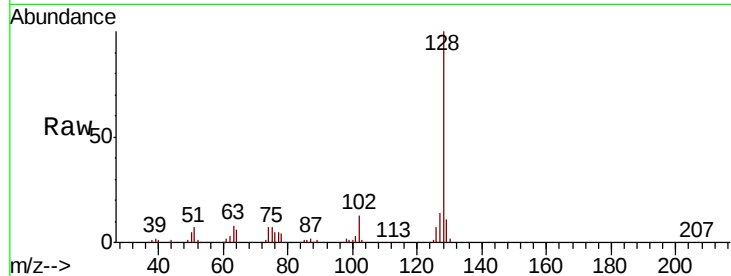
#28
Naphthalene
Concen: 6.390 ng/ul
RT: 10.48 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BM026964.D
Acq: 31 Jul 2020 18:41

Instrument :
BNA_M
ClientSampleId :
C0S79

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.3	12.5
127	13.9	11.0	16.6

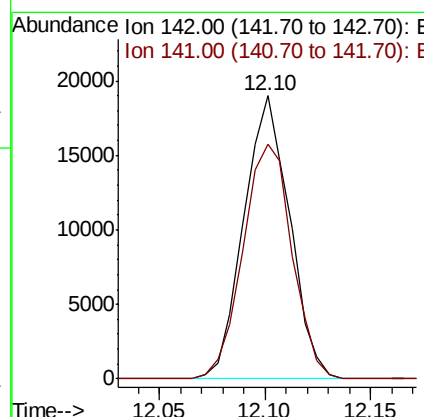
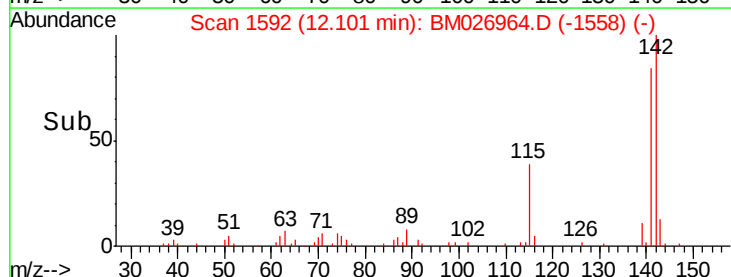
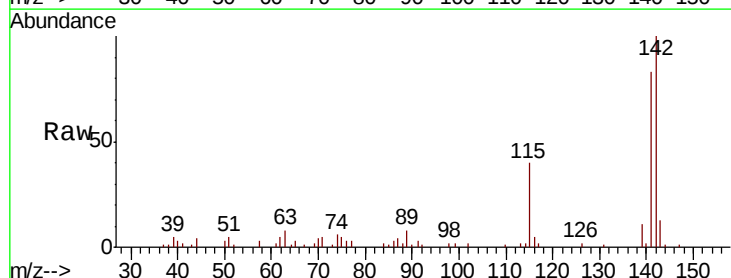
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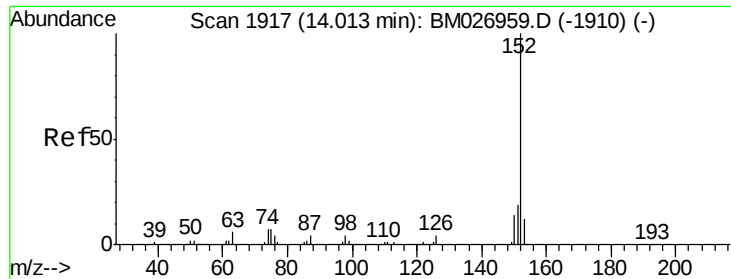
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#34
2-Methylnaphthalene
Concen: 1.697 ng/ul
RT: 12.10 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BM026964.D
Acq: 31 Jul 2020 18:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.8	71.1	106.7





#48

Acenaphthylene

Concen: 11.807 ng/ul

RT: 14.01 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM026964.D

Acq: 31 Jul 2020 18:41

Instrument :

BNA_M

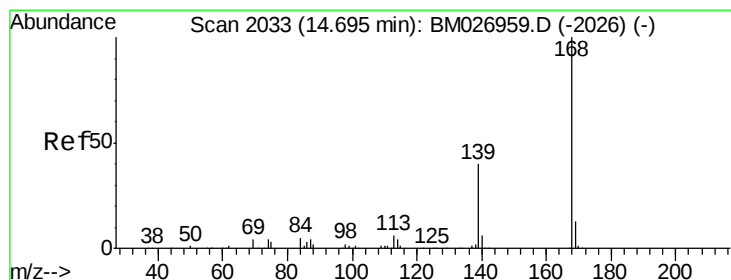
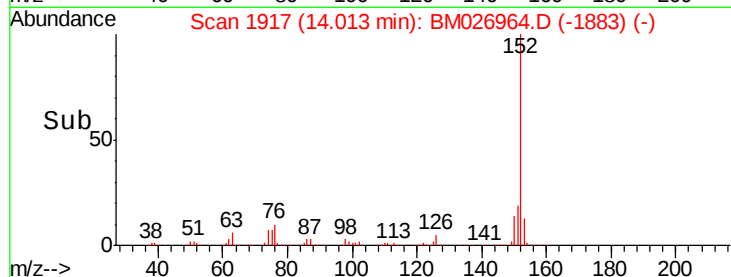
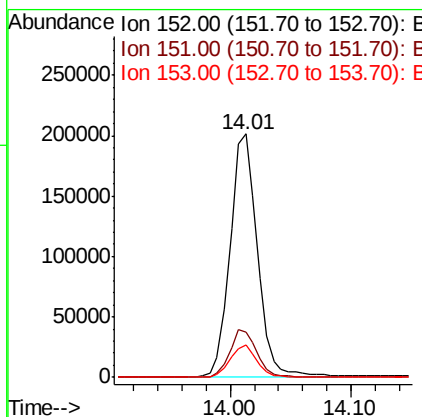
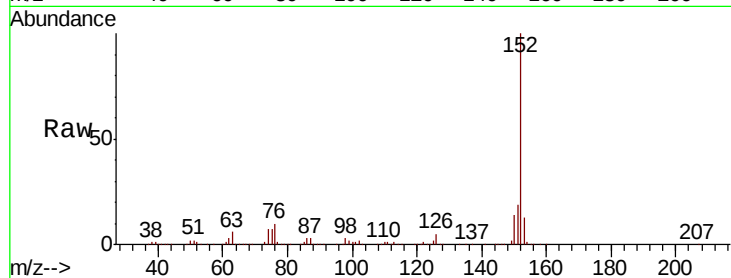
ClientSampled :

C0S79

Tot Ion:	152	Resp:	319154
Ion Ratio	Lower	Upper	
152	100		
151	18.6	15.8	23.6
153	13.2	10.7	16.1

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#54

Dibenzofuran

Concen: 1.995 ng/ul

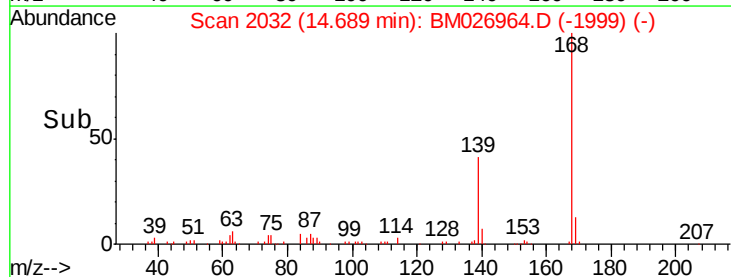
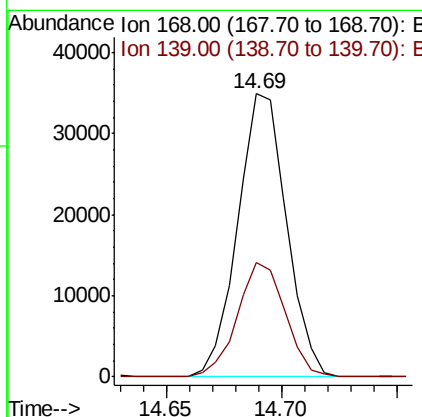
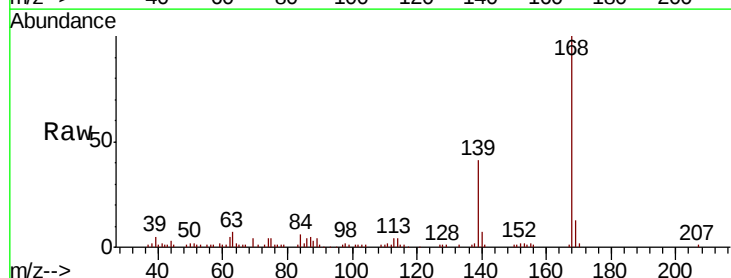
RT: 14.69 min Scan# 2032

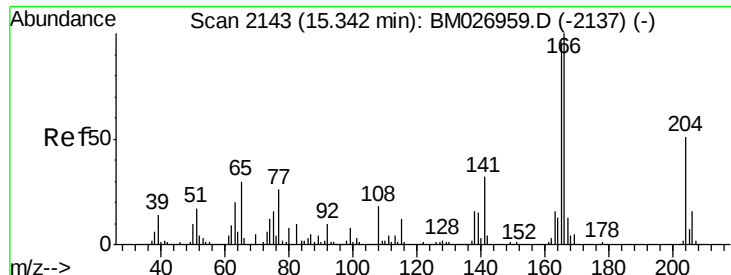
Delta R.T. -0.01 min

Lab File: BM026964.D

Acq: 31 Jul 2020 18:41

Tgt Ion:	168	Resp:	51498
Ion Ratio	Lower	Upper	
168	100		
139	40.6	30.8	46.2





#59

Fluorene

Concen: 1.511 ng/ul

RT: 15.34 min Scan# 2143

Delta R.T. -0.00 min

Lab File: BM026964.D

Acq: 31 Jul 2020 18:41

Instrument :

BNA_M

ClientSampled :

C0S79

Tot Ion:166 Resp: 32848

Ion Ratio Lower Upper

166 100

165 95.0 78.2 117.2

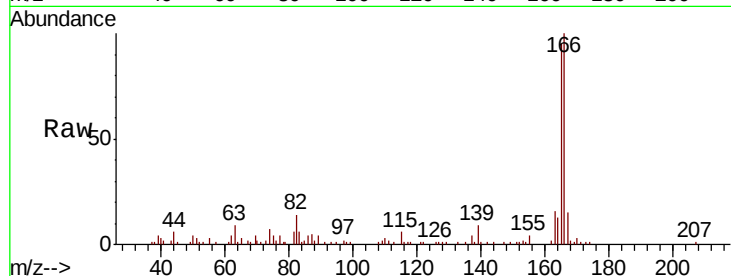
167 15.3 10.3 15.5

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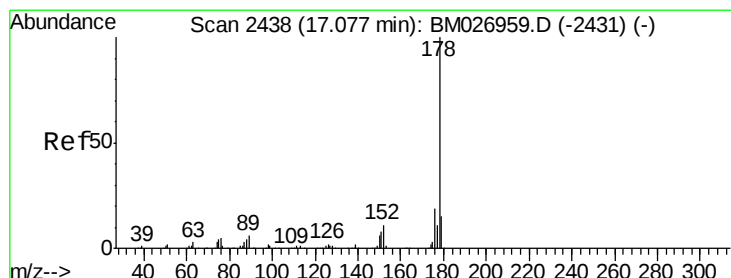
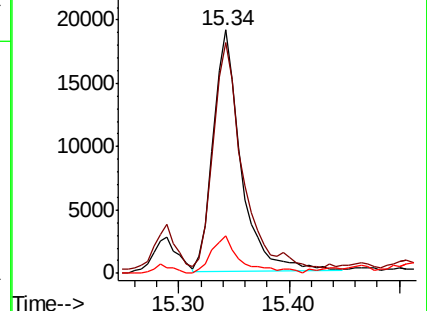
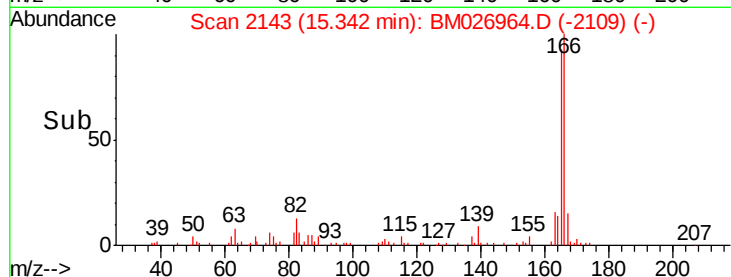
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 7.997 ng/ul

RT: 17.08 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM026964.D

Acq: 31 Jul 2020 18:41

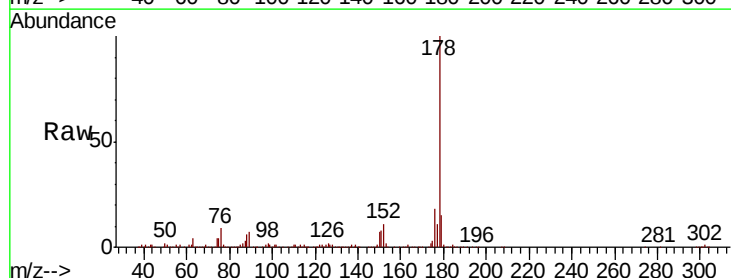
Tgt Ion:178 Resp: 264858

Ion Ratio Lower Upper

178 100

179 15.1 12.0 18.0

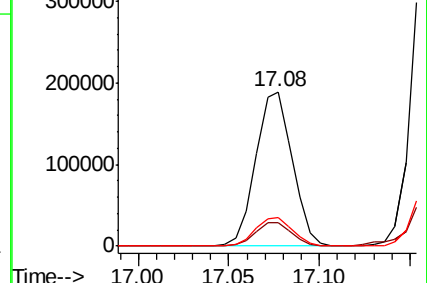
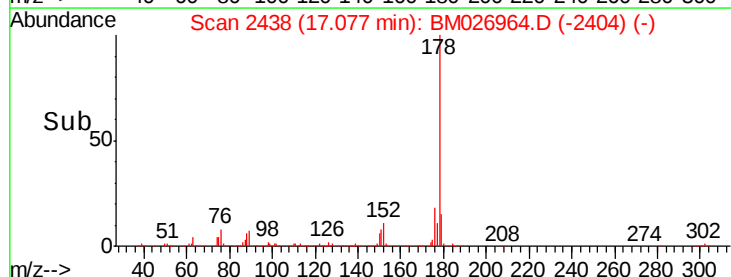
176 18.3 14.7 22.1

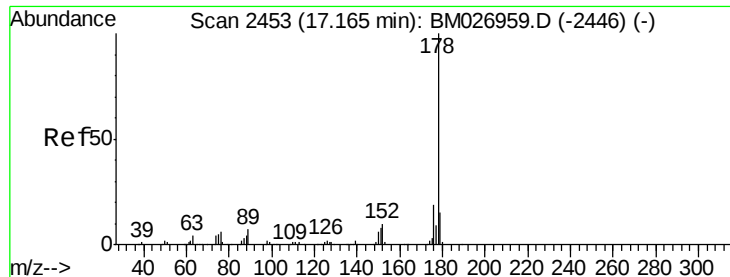


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 34.364 ng/ul

RT: 17.17 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BM026964.D

Acq: 31 Jul 2020 18:41

Instrument :

BNA_M

ClientSampled :

C0S79

Tot Ion:178 Resp: 1169837

Ion Ratio Lower Upper

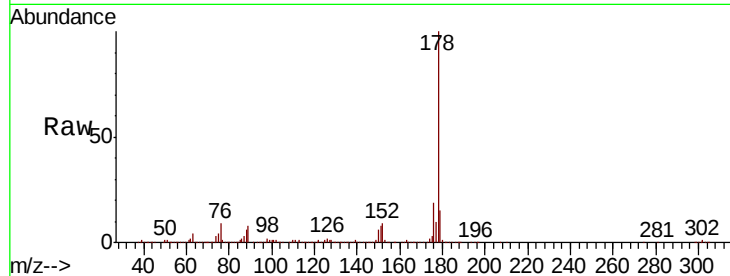
178 100

179 15.4 11.8 17.6

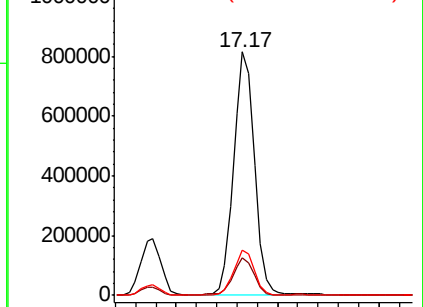
176 18.6 15.0 22.6

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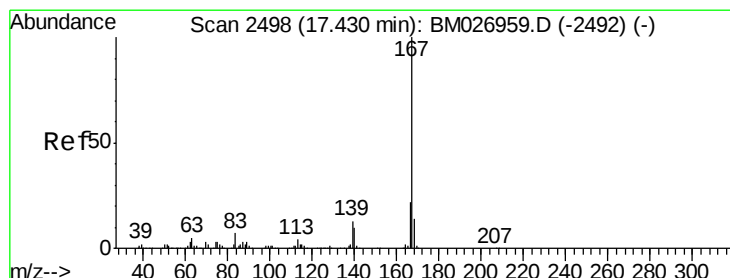
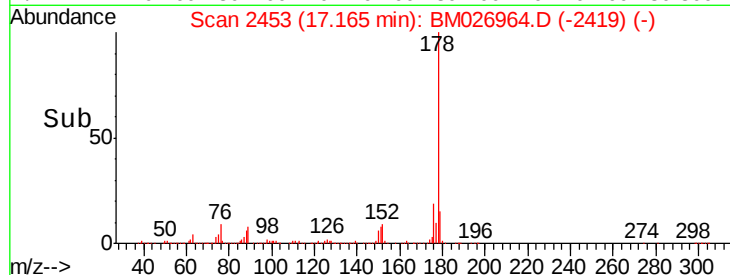
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->



#75

Carbazole

Concen: 3.715 ng/ul

RT: 17.43 min Scan# 2498

Delta R.T. -0.01 min

Lab File: BM026964.D

Acq: 31 Jul 2020 18:41

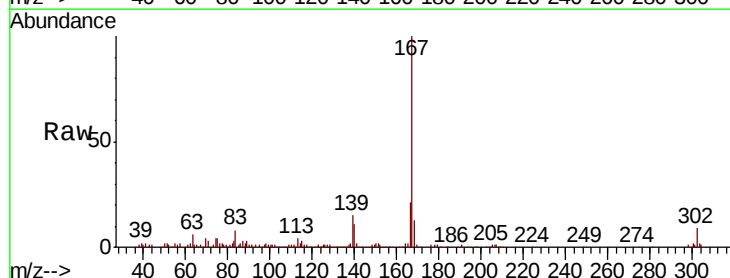
Tgt Ion:167 Resp: 111809

Ion Ratio Lower Upper

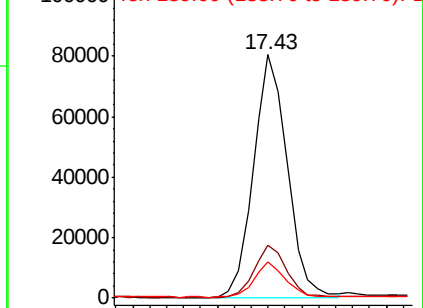
167 100

166 21.5 17.1 25.7

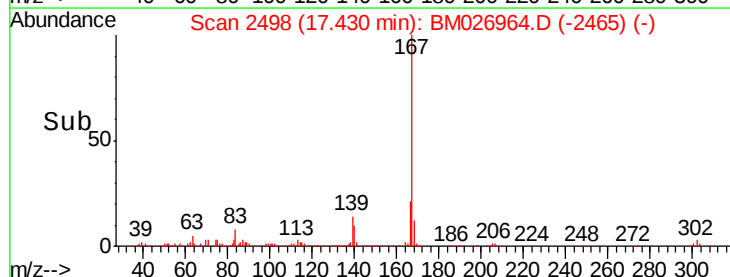
139 14.9 10.1 15.1

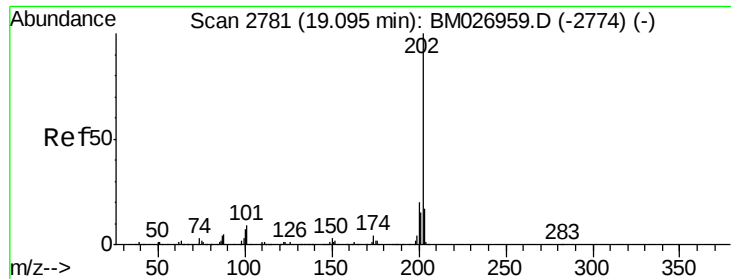


Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->





#77

Fluoranthene

Concen: 40.350 ng/ul

RT: 19.09 min Scan# 2781

Delta R.T. -0.00 min

Lab File: BM026964.D

Acq: 31 Jul 2020 18:41

Instrument :

BNA_M

ClientSampleId :

C0S79

Tot Ion:202 Resp: 1577951

Ion Ratio Lower Upper

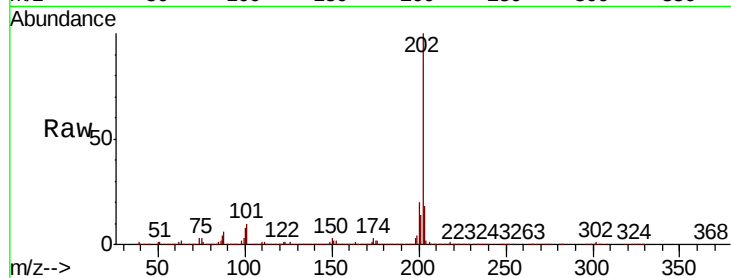
202 100

101 9.6 7.7 11.5

100 7.6 6.2 9.4

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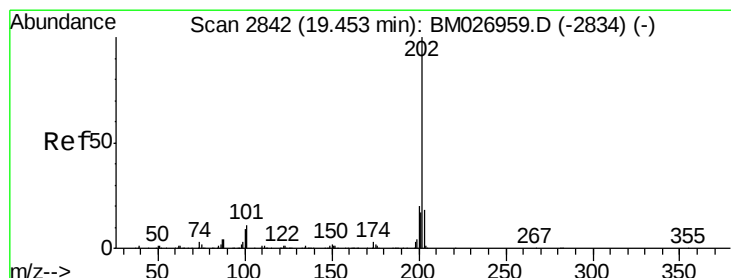
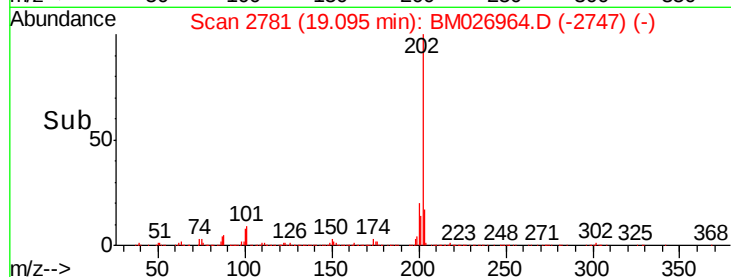
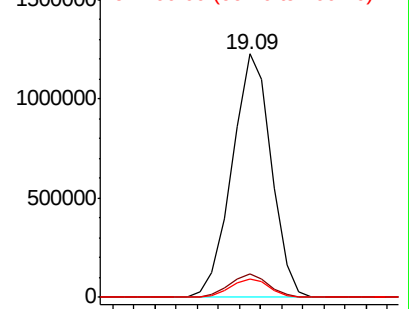
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 46.544 ng/ul

RT: 19.46 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BM026964.D

Acq: 31 Jul 2020 18:41

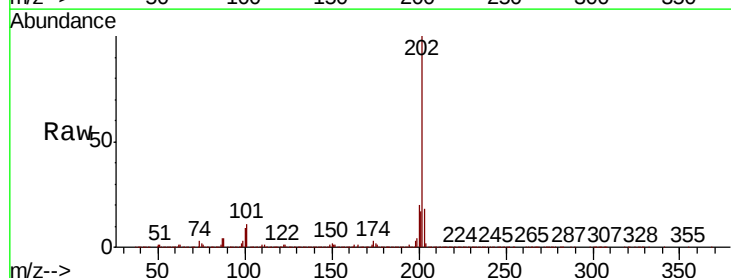
Tgt Ion:202 Resp: 1814037

Ion Ratio Lower Upper

202 100

101 10.8 9.4 14.2

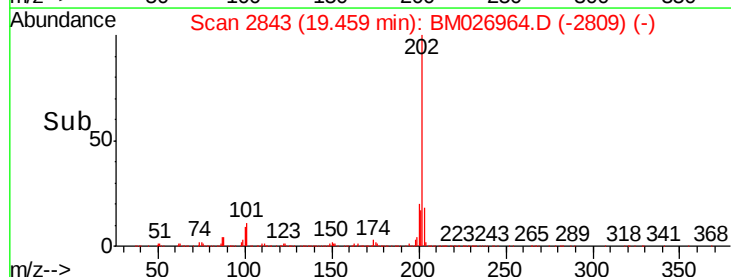
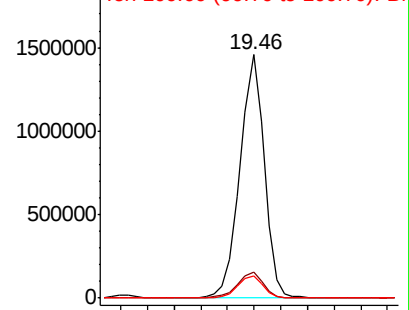
100 8.9 8.2 12.4

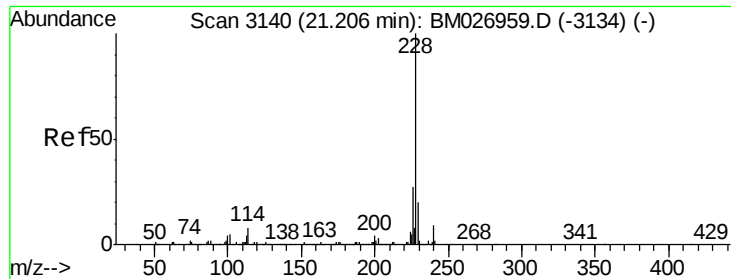


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





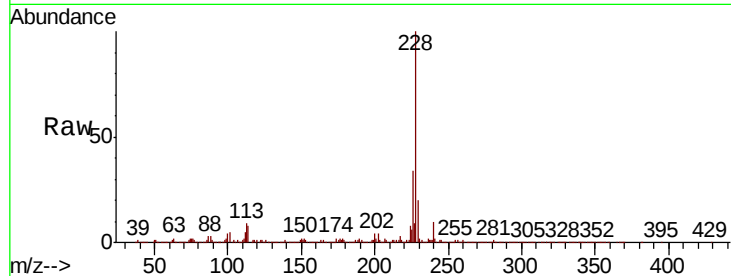
#83
Benzo(a)anthracene
Concen: 34.868 ng/ul m
RT: 21.21 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BM026964.D
Acq: 31 Jul 2020 18:41

Instrument :
BNA_M
ClientSampleId :
C0S79

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.4	23.2
226	33.6	20.9	31.3#

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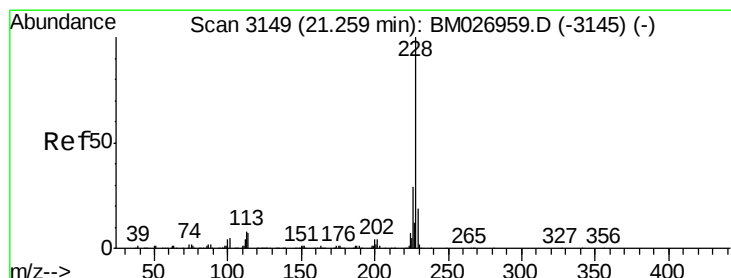
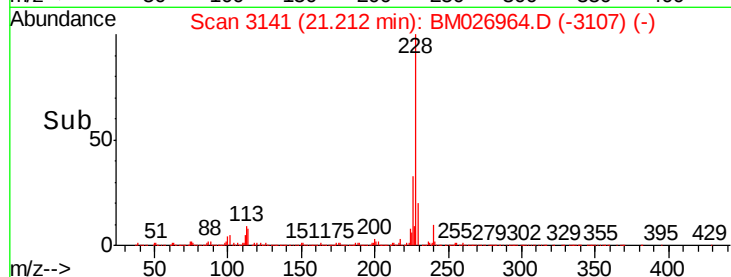
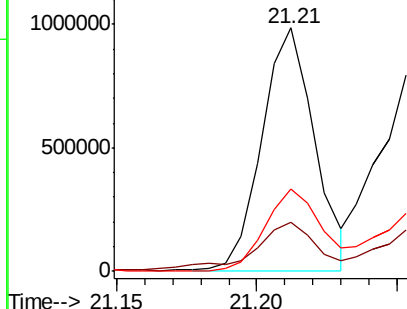


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#85
Chrysene
Concen: 71.282 ng/ul
RT: 21.27 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BM026964.D
Acq: 31 Jul 2020 18:41

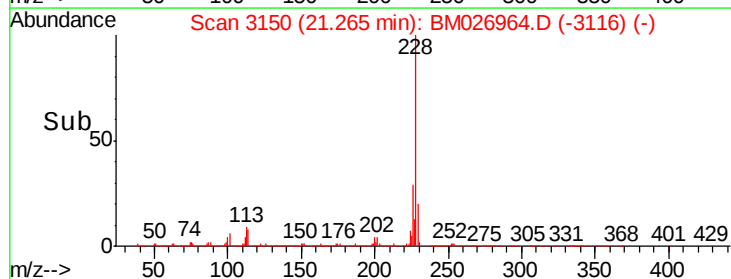
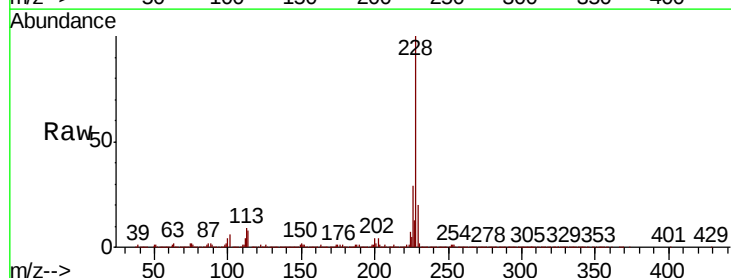
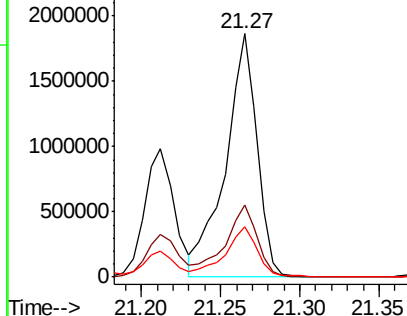
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	20.5	15.5	23.3

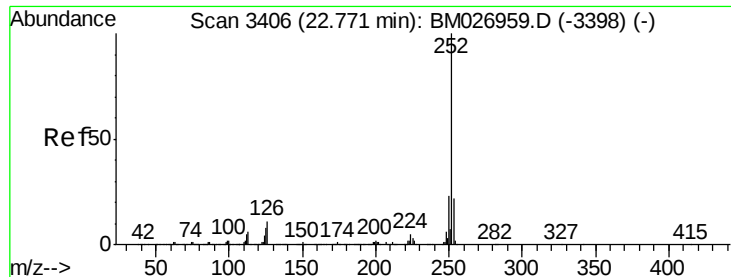
Abundance

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





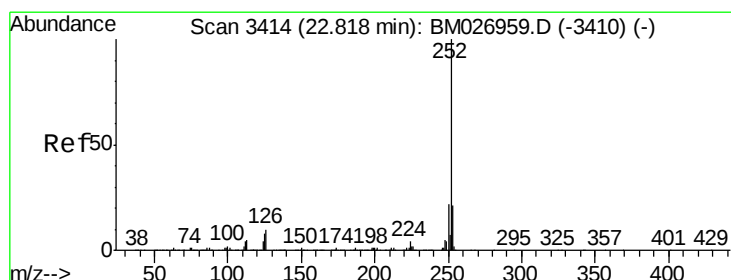
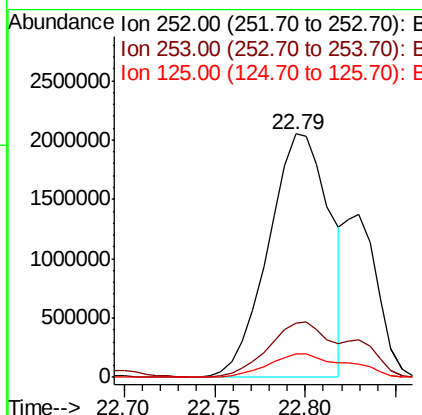
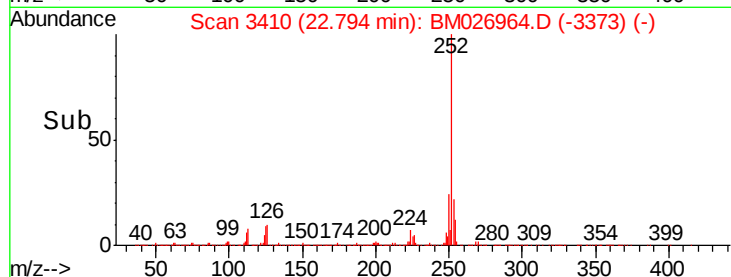
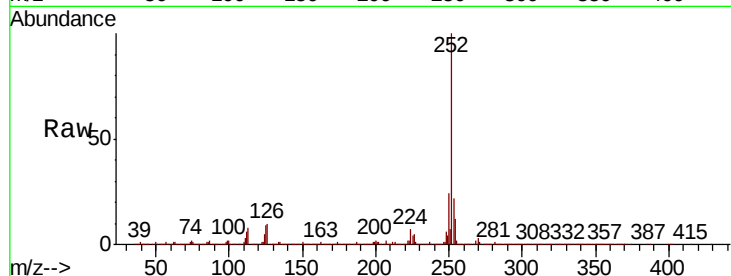
#88
Benzo(b)fluoranthene
Concen: 125.226 ng/ul
RT: 22.79 min Scan# 3410
Delta R.T. 0.02 min
Lab File: BM026964.D
Acq: 31 Jul 2020 18:41

Instrument :
BNA_M
ClientSampleId :
C0S79

Tot Ion:252 Resp: 4827584
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 9.4 6.6 10.0

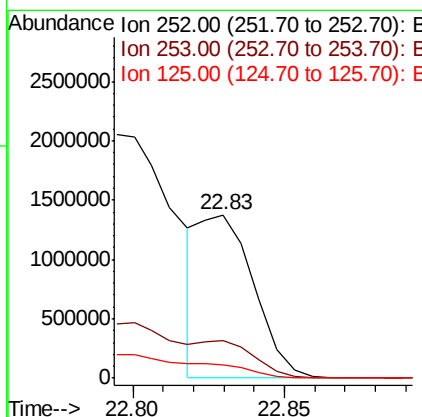
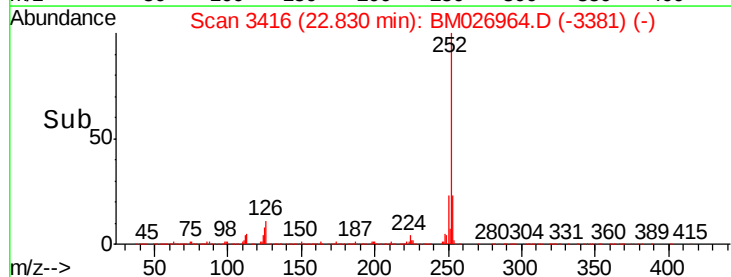
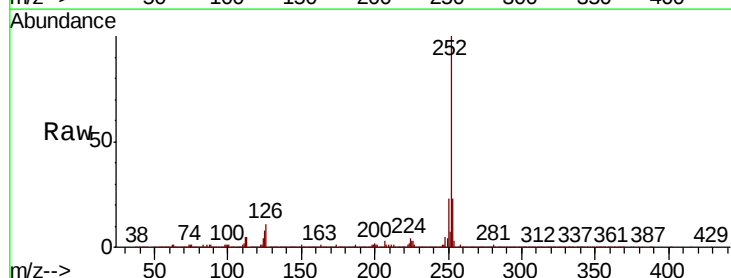
Manual Integrations
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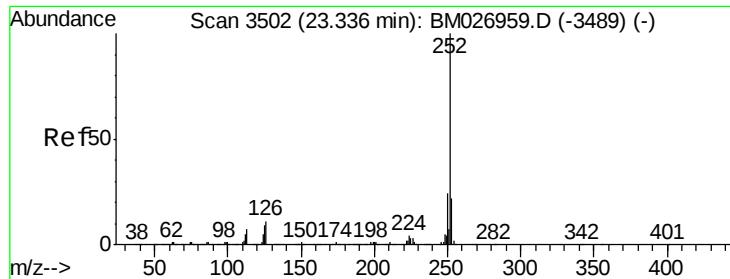
mohammad
8/3/2020 12:23:47 PM



#89
Benzo(k)fluoranthene
Concen: 46.137 ng/ul m
RT: 22.83 min Scan# 3416
Delta R.T. 0.01 min
Lab File: BM026964.D
Acq: 31 Jul 2020 18:41

Tgt Ion:252 Resp: 1706749
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 8.0 7.3 10.9





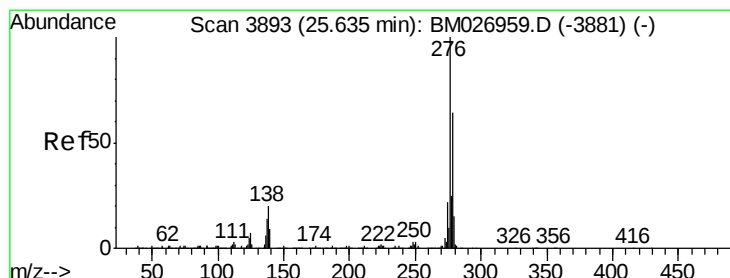
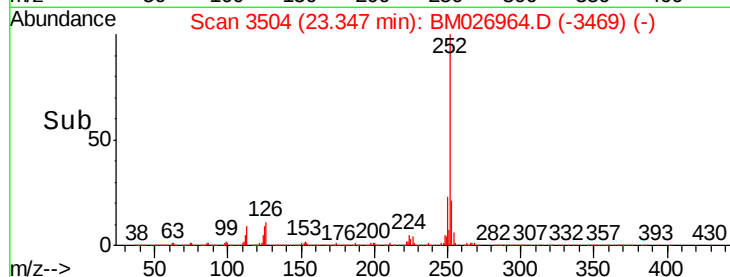
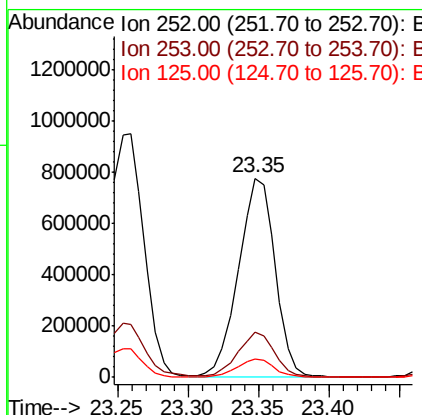
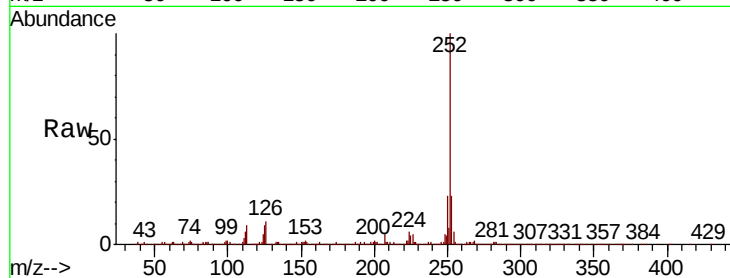
#91
Benzo(a)pyrene
Concen: 40.241 ng/ul
RT: 23.35 min Scan# 3504
Delta R.T. 0.01 min
Lab File: BM026964.D
Acq: 31 Jul 2020 18:41

Instrument :
BNA_M
ClientSampleId :
C0S79

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	9.2	8.2	12.2

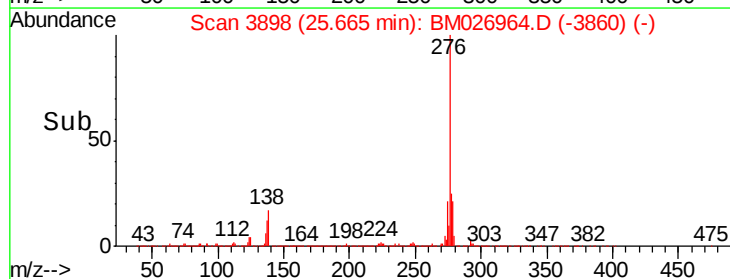
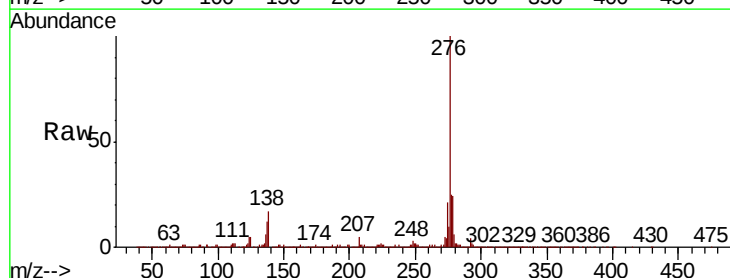
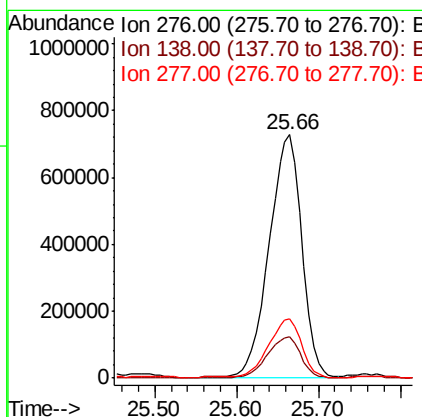
Manual Integrations
APPROVED

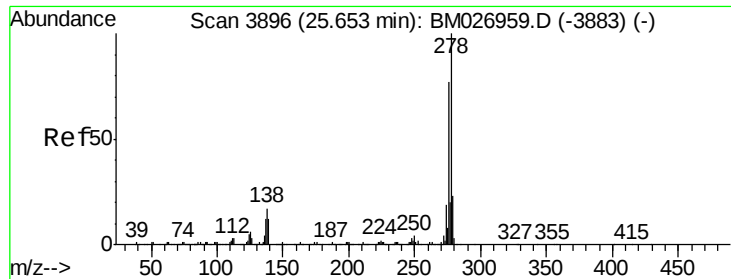
mohammad
8/3/2020 12:23:47 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 46.622 ng/ul
RT: 25.66 min Scan# 3898
Delta R.T. 0.02 min
Lab File: BM026964.D
Acq: 31 Jul 2020 18:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	17.0	25.4#
277	24.6	20.6	30.8





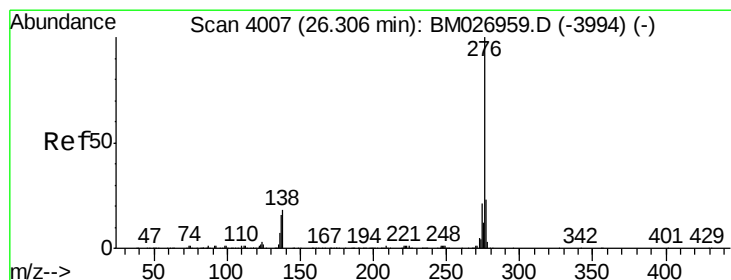
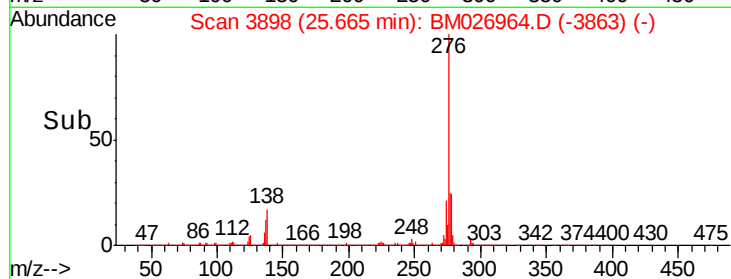
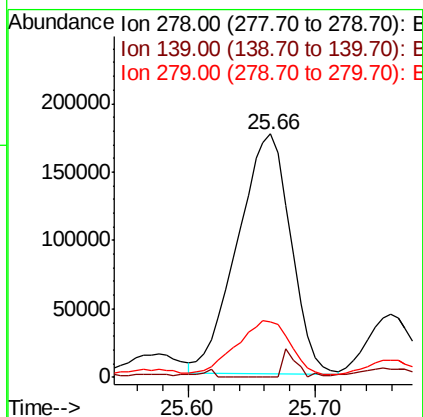
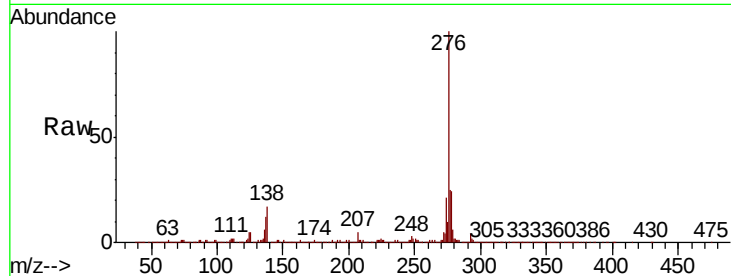
#93
Dibenzo(a,h)anthracene
Concen: 13.954 ng/ul m
RT: 25.66 min Scan# 3898
Delta R.T. 0.01 min
Lab File: BM026964.D
Acq: 31 Jul 2020 18:41

Instrument :
BNA_M
ClientSampleId :
C0S79

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.9	16.3#
279	22.9	19.4	29.2

Manual Integrations
APPROVED

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8/3/2020 12:23:47 PM



#94
Benzo(g,h,i)perylene
Concen: 26.005 ng/ul
RT: 26.33 min Scan# 4011
Delta R.T. 0.01 min
Lab File: BM026964.D
Acq: 31 Jul 2020 18:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	14.9	22.3
277	23.4	19.1	28.7

