

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
 Data File : BM026969.D
 Acq On : 31 Jul 2020 21:44
 Operator : JU/CG
 Sample : L3424-17 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0S92

Manual Integrations
 APPROVED

mohammad
 8/3/2020 12:24:02 PM

Quant Time: Aug 01 01:41:41 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	7.67	152	113961	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	442597	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	273668	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	558660	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	554544	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	553172	20.00	ng/ul	0.00

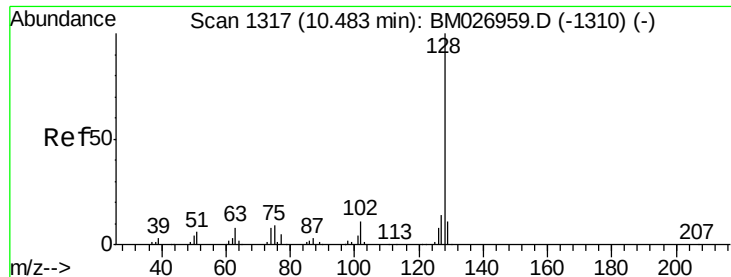
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1886	0.76	ng/uL	0.00
5) Phenol-d5	6.84	99	49493	4.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	32467	4.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	36350	4.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	38038	4.95	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	17528	5.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	18490	5.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	37458	4.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	26315	2.93	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	107678	5.02	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	139881	5.12	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	14619	4.03	ng/ul	0.00
58) Fluorene-d10	15.29	176	93773	5.02	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	9517	3.82	ng/ul	0.00
71) Anthracene-d10	17.13	188	143849	5.15	ng/ul	0.00
79) Pyrene-d10	19.43	212	145985	4.94	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	148084	4.74	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.48	128	132844	5.372	ng/ul	96
34) 2-Methylnaphthalene	12.10	142	50946	2.914	ng/ul	99
45) Dimethylphthalate	13.75	163	28526	1.267	ng/ul#	99
48) Acenaphthylene	14.01	152	569194	20.515	ng/ul	99
50) Acenaphthene	14.35	153	30281	1.584	ng/ul	94
54) Dibenzofuran	14.69	168	182911	6.903	ng/ul	98
59) Fluorene	15.34	166	38133	1.709	ng/ul#	94
70) Phenanthrene	17.08	178	500665	14.764	ng/ul	100
72) Anthracene	17.17	178	904237	25.942	ng/ul	99
75) Carbazole	17.43	167	181361	5.886	ng/ul	98
77) Fluoranthene	19.10	202	3366979	84.090	ng/ul	99
80) Pyrene	19.47	202	4677920	115.946	ng/ul	98
83) Benzo(a)anthracene	21.21	228	2234235m	58.453	ng/ul	
85) Chrysene	21.27	228	3610110	96.853	ng/ul	98
88) Benzo(b)fluoranthene	22.80	252	7475243	188.903	ng/ul	99
89) Benzo(k)fluoranthene	22.84	252	2449856	64.517	ng/ul	97
91) Benzo(a)pyrene	23.35	252	2278312	63.804	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.68	276	2925848	66.049	ng/ul	95
93) Dibenzo(a,h)anthracene	25.67	278	725848m	19.374	ng/ul	
94) Benzo(g,h,i)perylene	26.34	276	727025	19.848	ng/ul	98

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



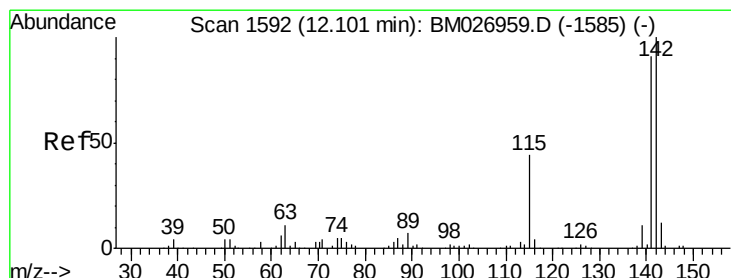
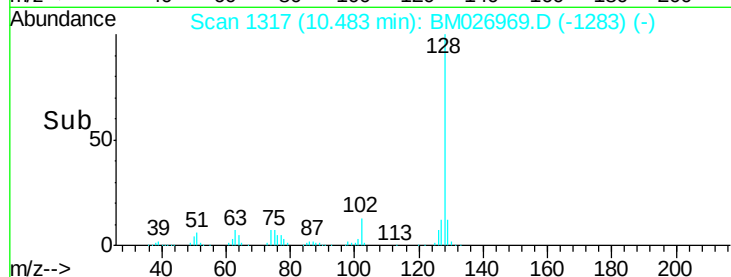
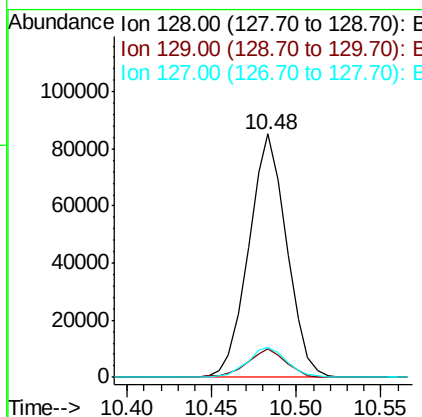
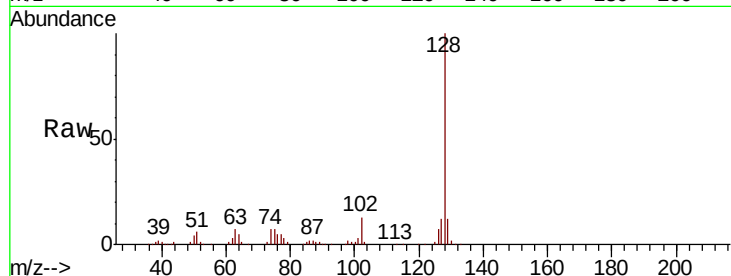
#28
Naphthalene
Concen: 5.372 ng/ul
RT: 10.48 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Instrument :
BNA_M
ClientSampleId :
C0S92

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.3	12.5
127	12.1	11.0	16.6

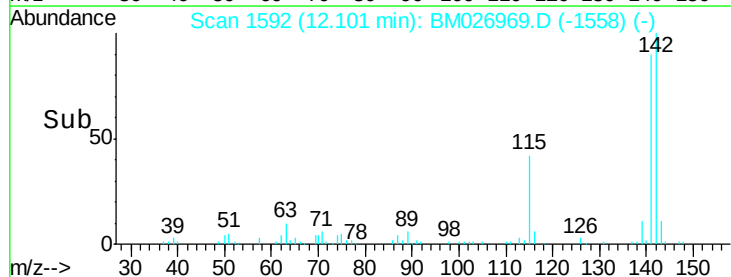
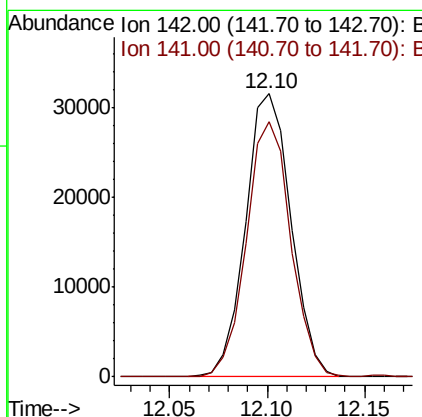
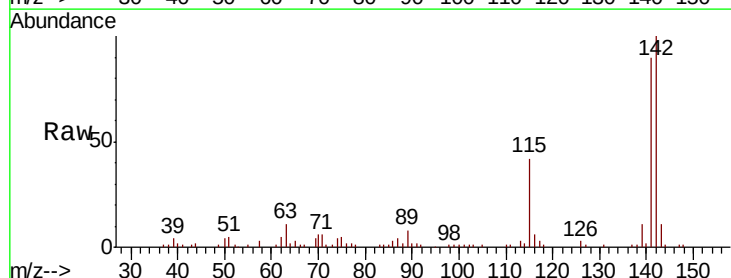
Manual Integrations
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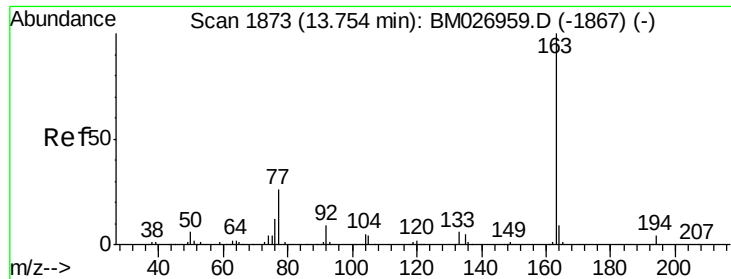
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#34
2-Methylnaphthalene
Concen: 2.914 ng/ul
RT: 12.10 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.1	106.7





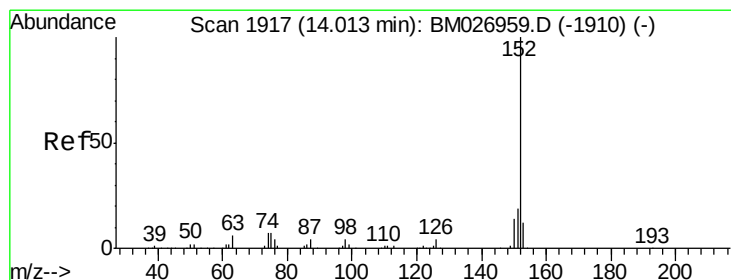
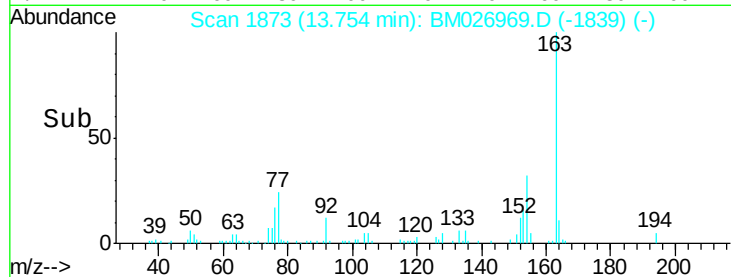
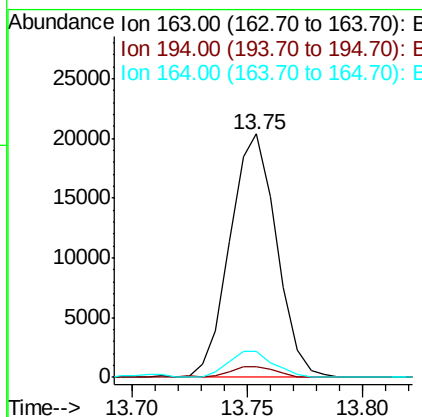
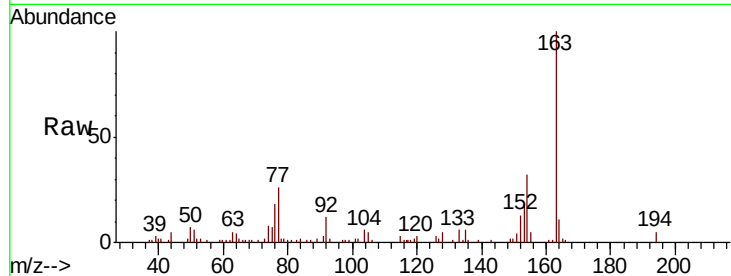
#45
Dimethylphthalate
Concen: 1.267 ng/ul
RT: 13.75 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Instrument :
BNA_M
ClientSampleId :
C0S92

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.0	4.6#
164	10.9	8.6	12.8

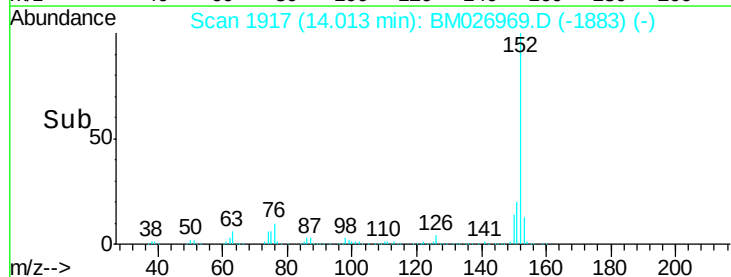
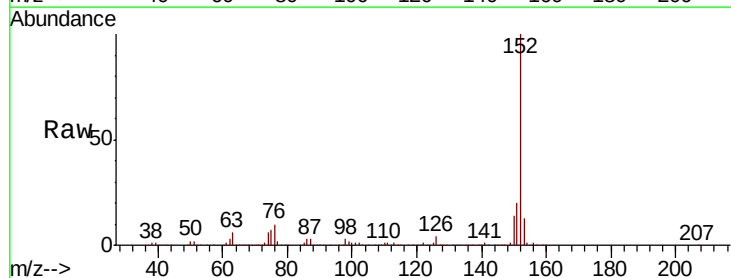
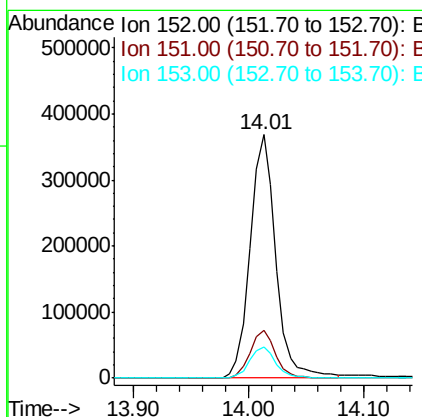
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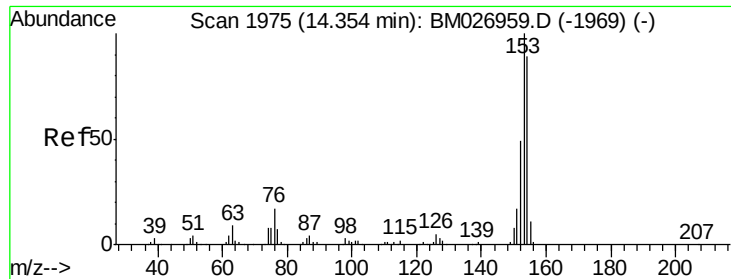
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#48
Acenaphthylene
Concen: 20.515 ng/ul
RT: 14.01 min Scan# 1917
Delta R.T. -0.00 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	12.8	10.7	16.1





#50

Acenaphthene

Concen: 1.584 ng/ul

RT: 14.35 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

Instrument :

BNA_M

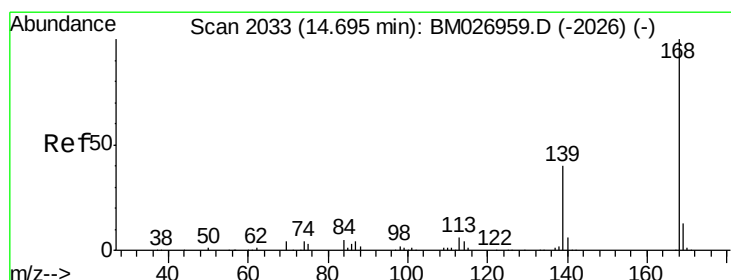
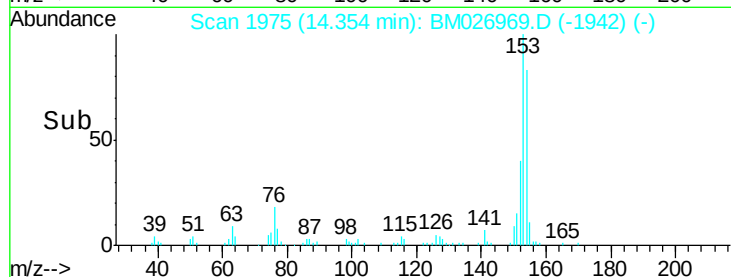
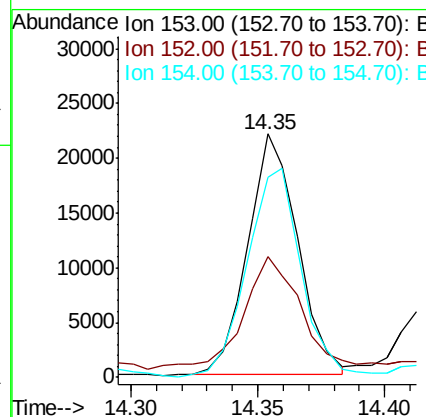
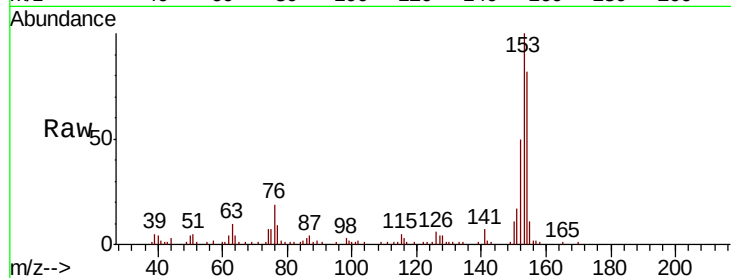
ClientSampleId :

C0S92

Tot Ion:	153	Resp:	30281
Ion Ratio	Lower	Upper	
153	100		
152	49.7	37.8	56.6
154	82.0	70.5	105.7

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#54

Dibenzofuran

Concen: 6.903 ng/ul

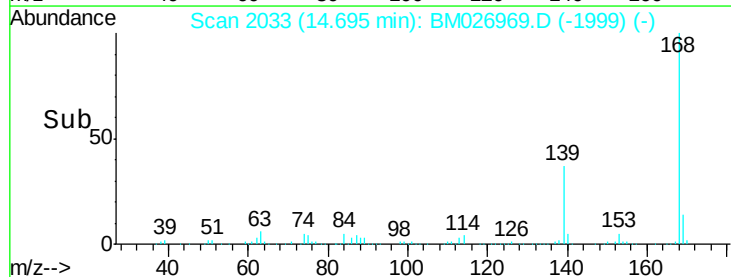
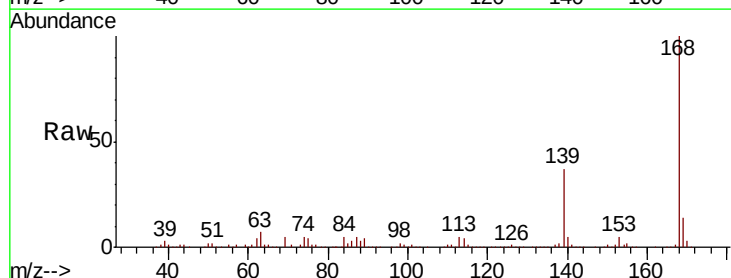
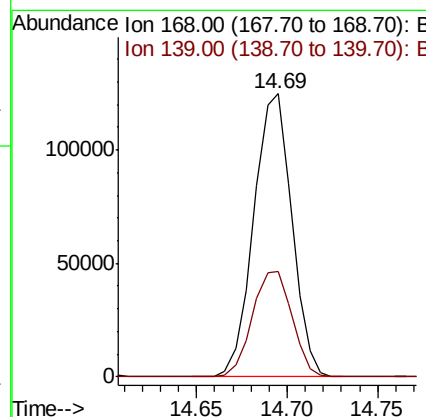
RT: 14.69 min Scan# 2033

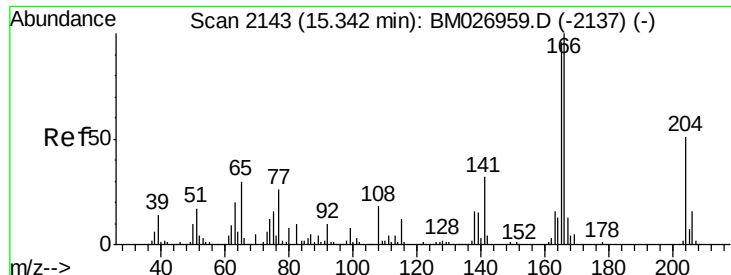
Delta R.T. -0.00 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

Tgt Ion:	168	Resp:	182911
Ion Ratio	Lower	Upper	
168	100		
139	37.5	30.8	46.2





#59

Fluorene

Concen: 1.709 ng/ul

RT: 15.34 min Scan# 2143

Delta R.T. -0.00 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

Instrument :

BNA_M

ClientSampleId :

C0S92

Tot Ion:166 Resp: 38133

Ion Ratio Lower Upper

166 100

165 93.5 78.2 117.2

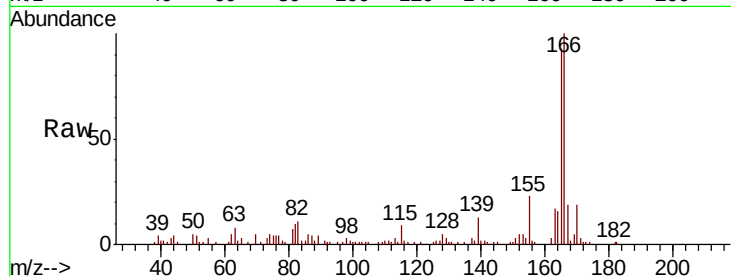
167 19.5 10.3 15.5#

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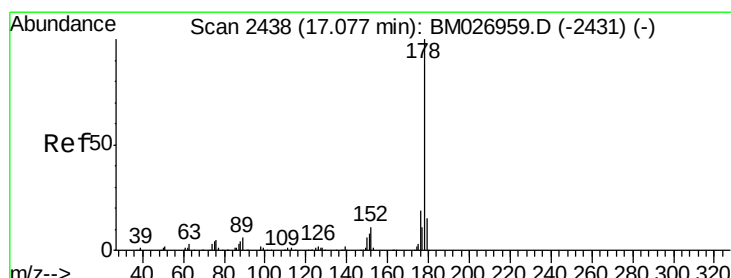
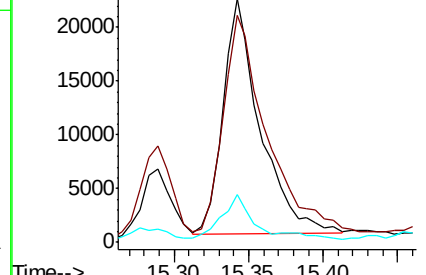
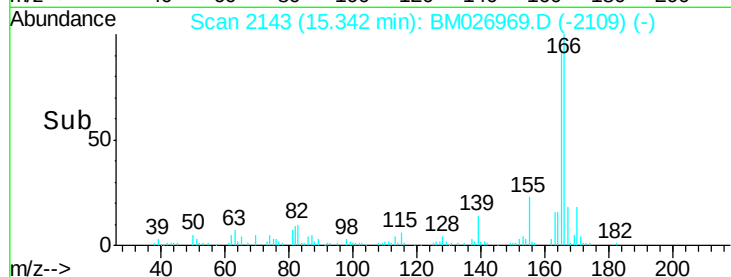
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 14.764 ng/ul

RT: 17.08 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

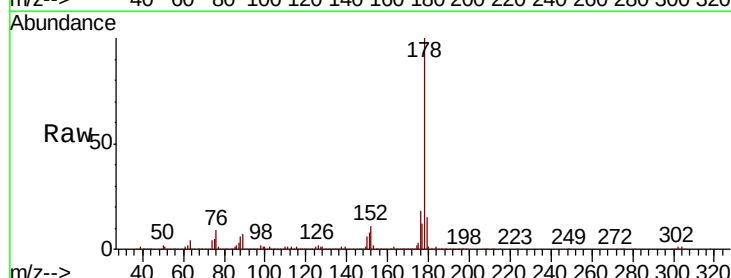
Tgt Ion:178 Resp: 500665

Ion Ratio Lower Upper

178 100

179 14.8 12.0 18.0

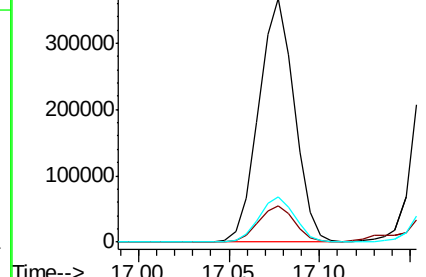
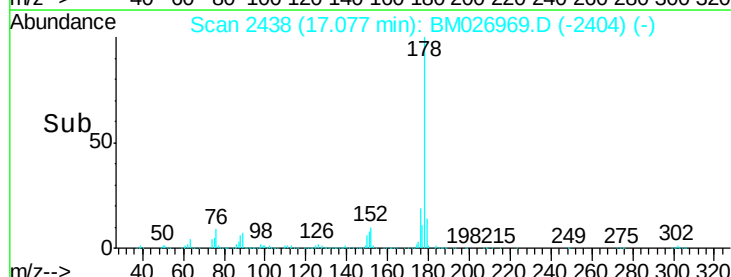
176 18.5 14.7 22.1

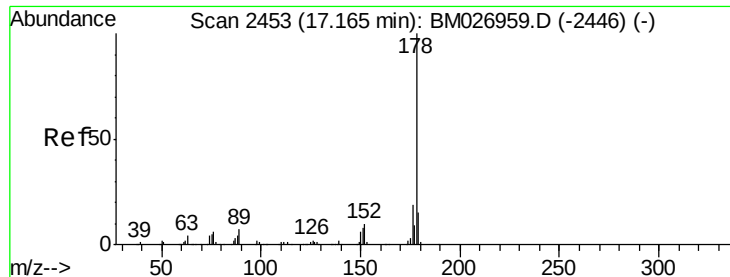


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 25.942 ng/ul

RT: 17.17 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

Instrument :

BNA_M

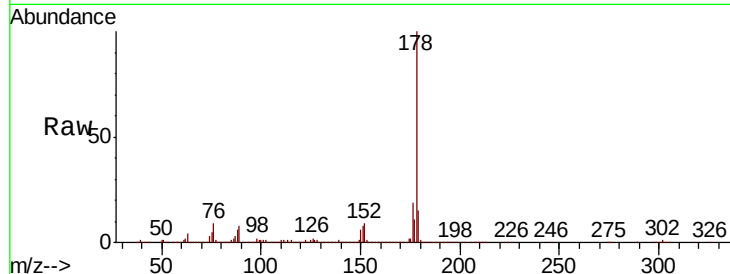
ClientSampleId :

C0S92

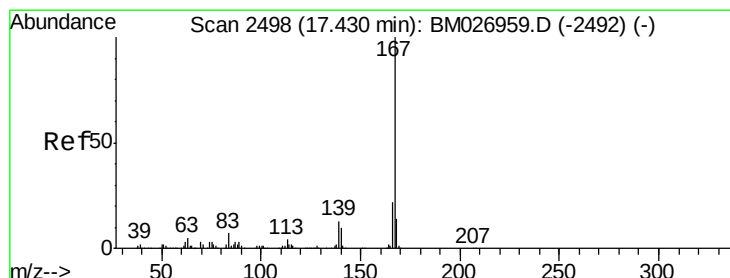
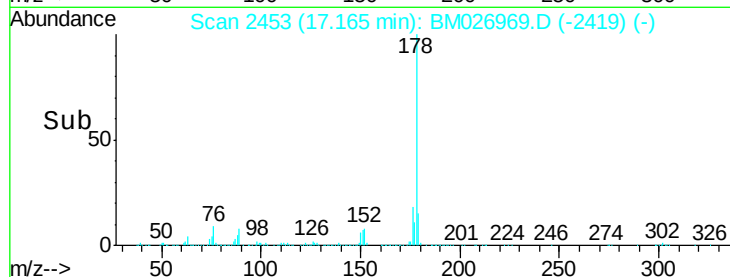
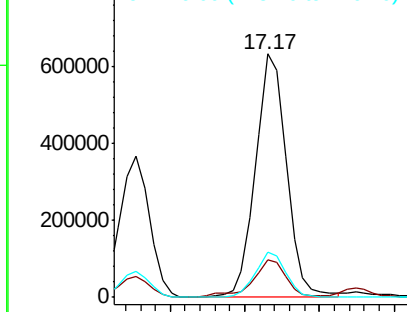
Tot Ion:	178	Resp:	904237
Ion Ratio	Lower	Upper	
178	100		
179	15.3	11.8	17.6
176	18.5	15.0	22.6

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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



#75

Carbazole

Concen: 5.886 ng/ul

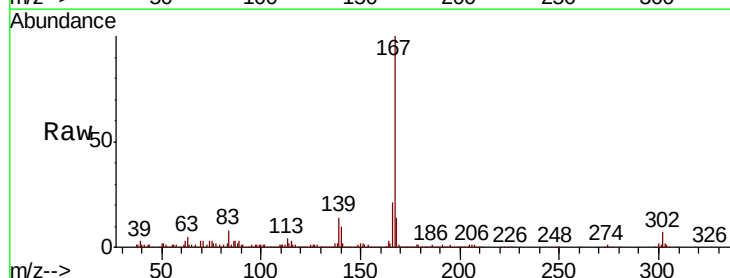
RT: 17.43 min Scan# 2498

Delta R.T. -0.01 min

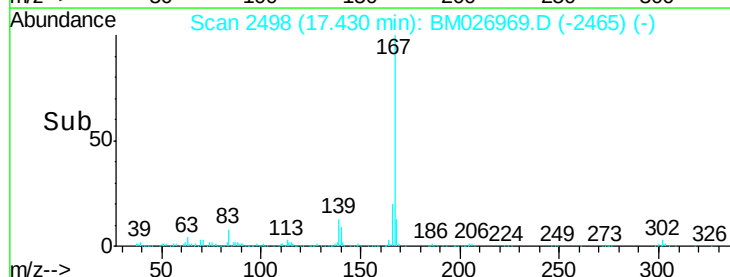
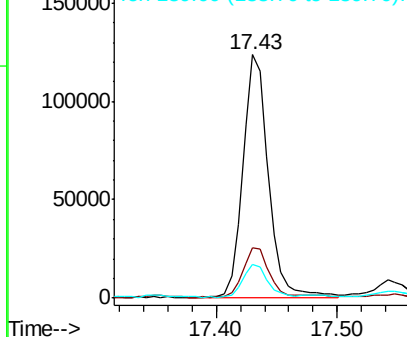
Lab File: BM026969.D

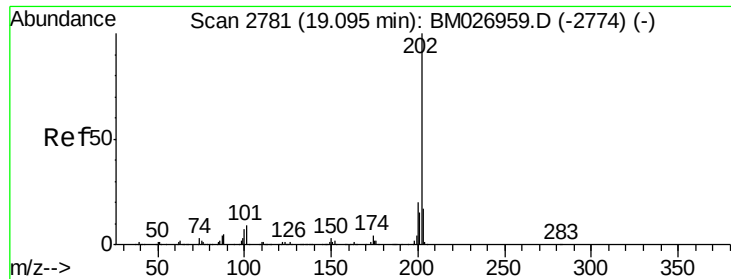
Acq: 31 Jul 2020 21:44

Tgt Ion:	167	Resp:	181361
Ion Ratio	Lower	Upper	
167	100		
166	20.6	17.1	25.7
139	13.8	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





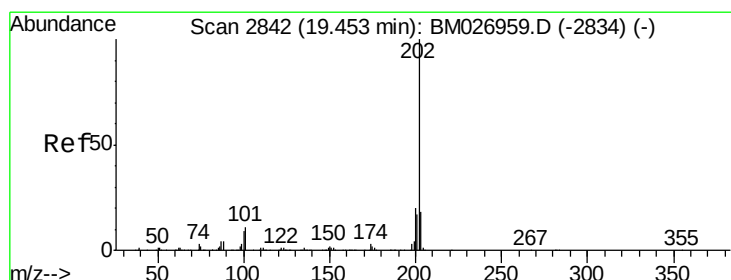
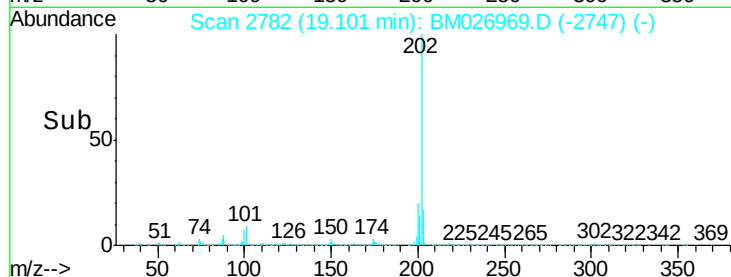
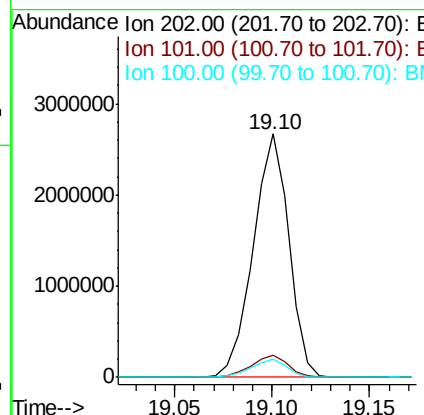
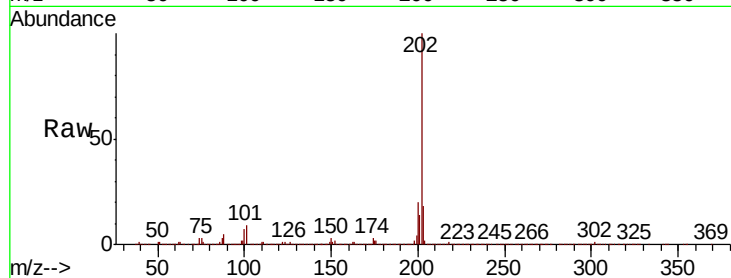
#77
Fluoranthene
Concen: 84.090 ng/ul
RT: 19.10 min Scan# 2782
Delta R.T. 0.01 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Instrument :
BNA_M
ClientSampleId :
C0S92

Tot Ion:	202	Resp:	3366979
Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.7	11.5
100	7.3	6.2	9.4

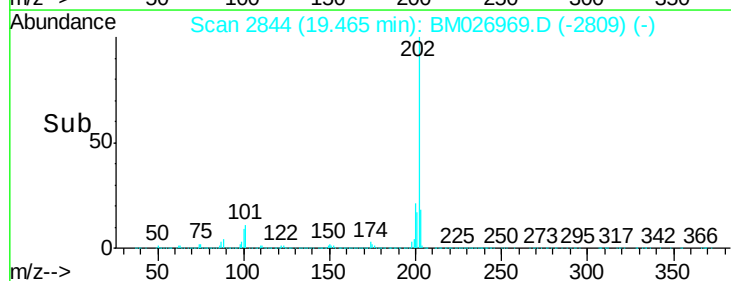
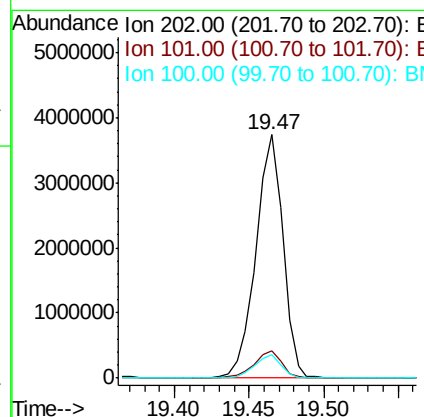
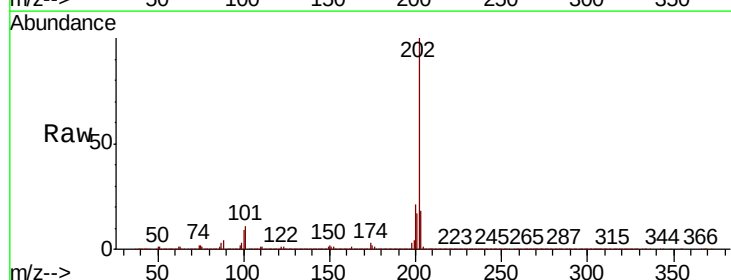
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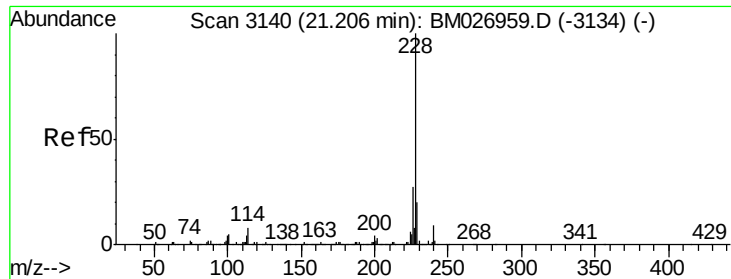
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#80
Pyrene
Concen: 115.946 ng/ul
RT: 19.47 min Scan# 2844
Delta R.T. 0.01 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Tgt Ion:	202	Resp:	4677920
Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.4	14.2
100	9.4	8.2	12.4





#83

Benzo(a)anthracene

Concen: 58.453 ng/ul m

RT: 21.21 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

Instrument :

BNA_M

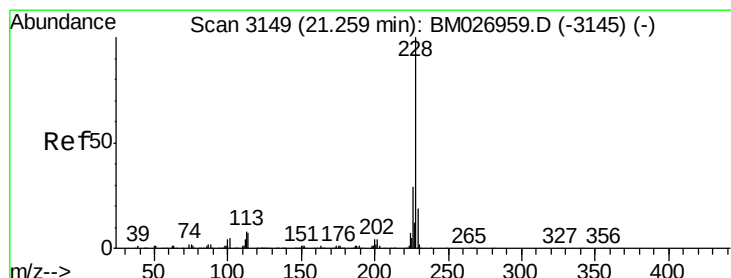
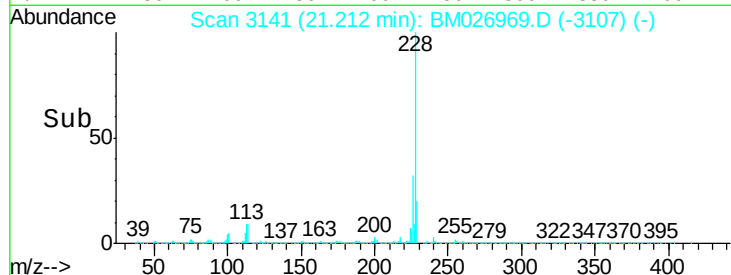
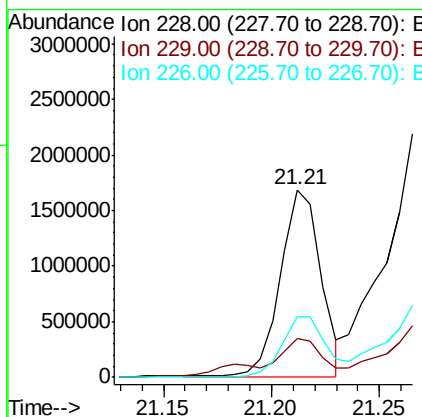
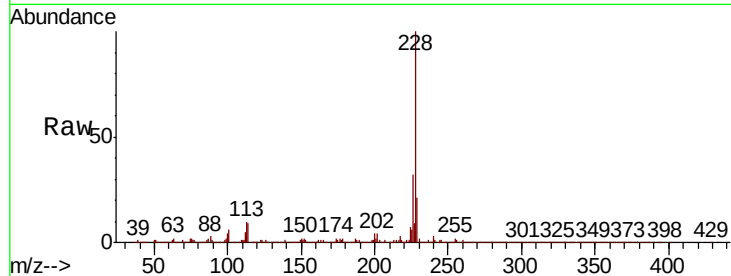
ClientSampled :

C0S92

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.4	23.2
226	32.3	20.9	31.3

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#85

Chrysene

Concen: 96.853 ng/ul

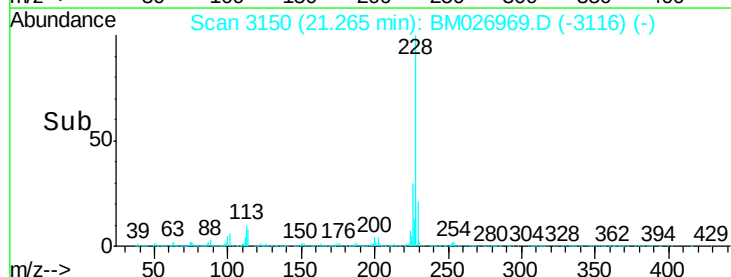
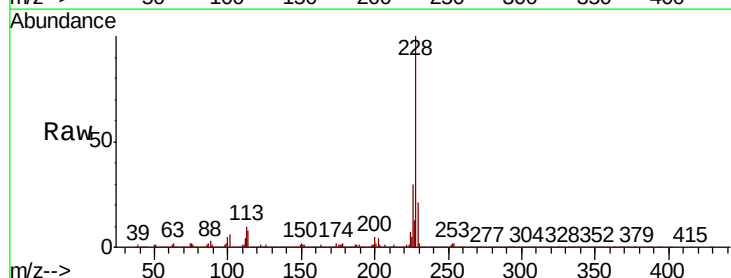
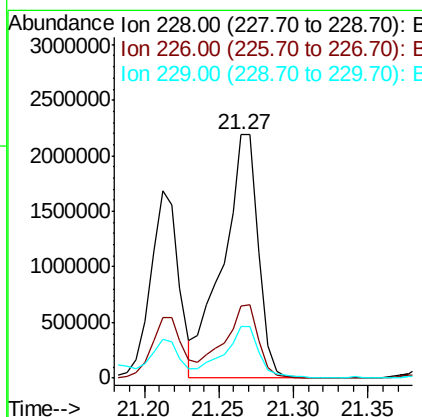
RT: 21.27 min Scan# 3150

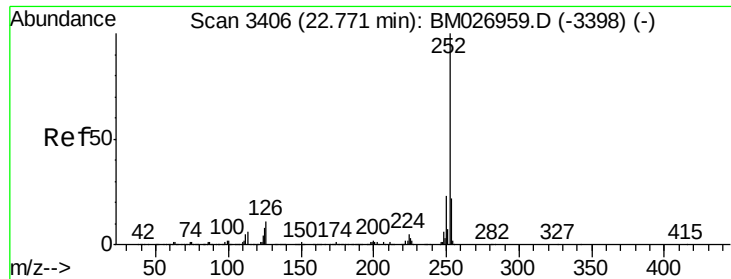
Delta R.T. -0.00 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	21.4	15.5	23.3





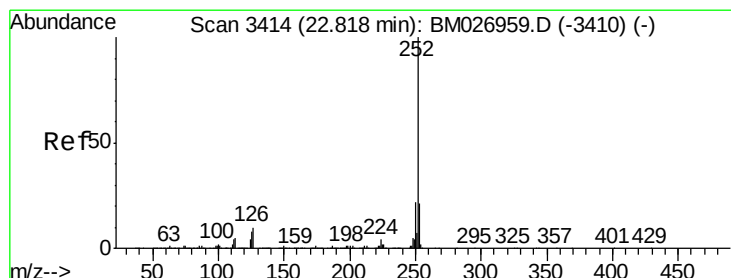
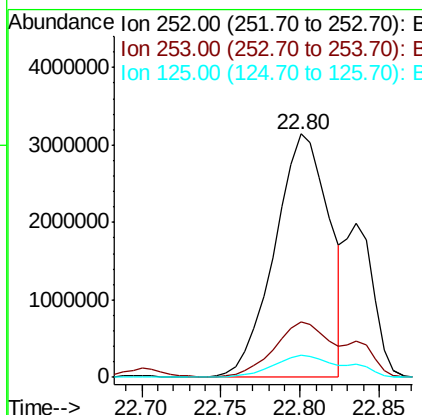
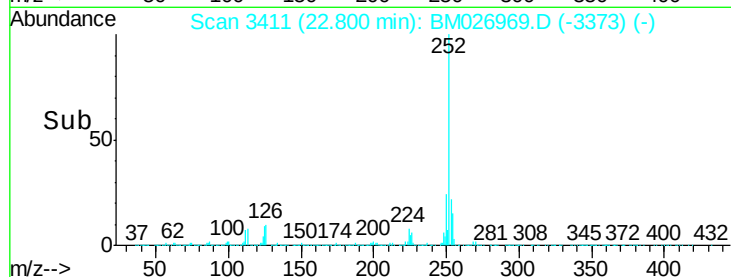
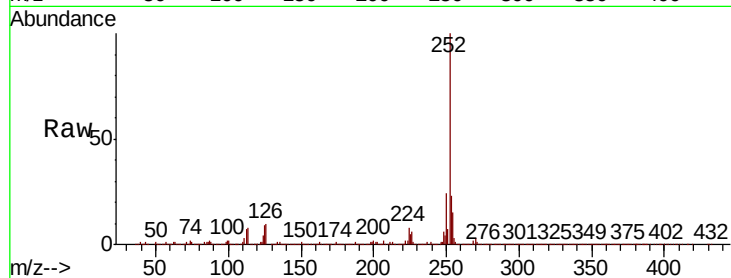
#88
Benzo(b)fluoranthene
Concen: 188.903 ng/ul
RT: 22.80 min Scan# 3411
Delta R.T. 0.02 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Instrument :
BNA_M
ClientSampleId :
C0S92

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	8.9	6.6	10.0

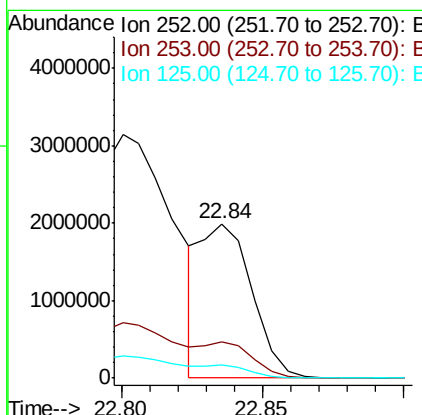
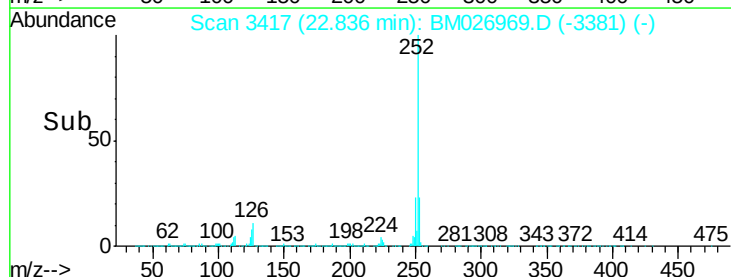
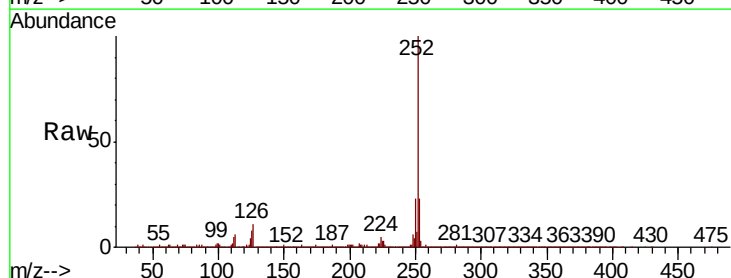
Manual Integrations
APPROVED

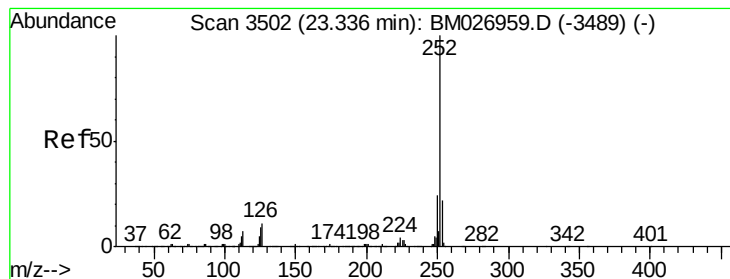
mohammad
8/3/2020 12:24:02 PM



#89
Benzo(k)fluoranthene
Concen: 64.517 ng/ul
RT: 22.84 min Scan# 3417
Delta R.T. 0.01 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	8.4	7.3	10.9





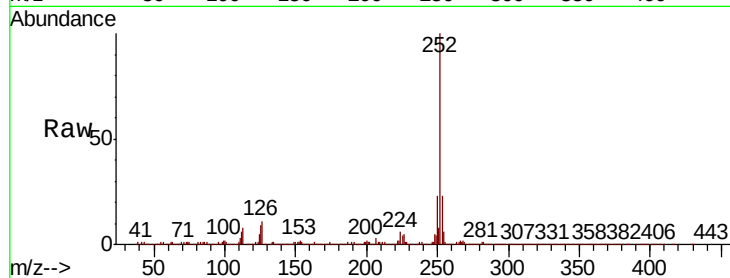
#91
Benzo(a)pyrene
Concen: 63.804 ng/ul
RT: 23.35 min Scan# 3505
Delta R.T. 0.01 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

Instrument :
BNA_M
ClientSampleId :
C0S92

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	9.4	8.2	12.2

Manual Integrations
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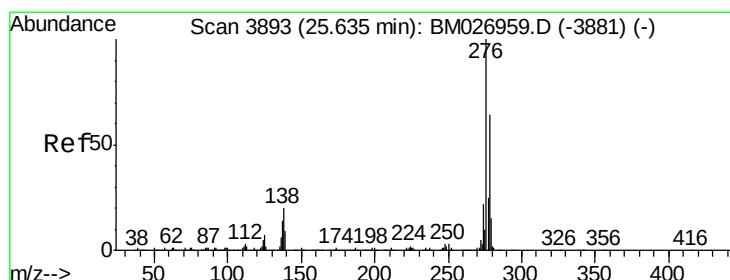
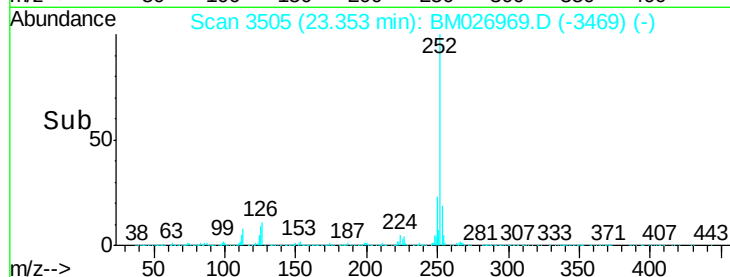
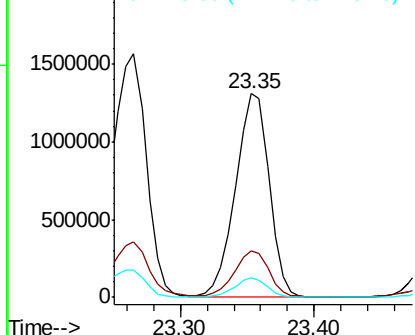


Abundance

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: 66.049 ng/ul
RT: 25.68 min Scan# 3900
Delta R.T. 0.04 min
Lab File: BM026969.D
Acq: 31 Jul 2020 21:44

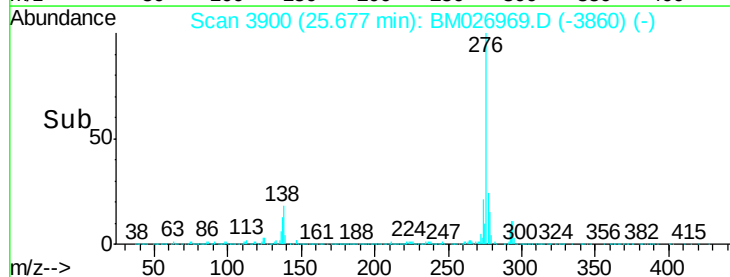
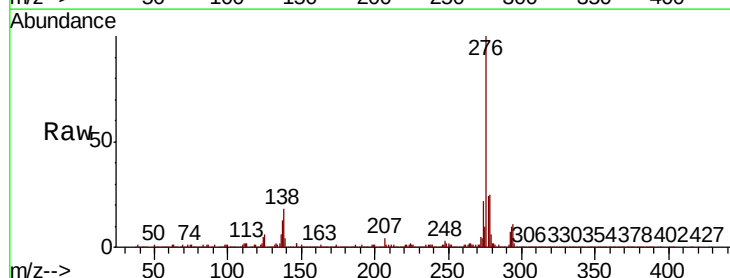
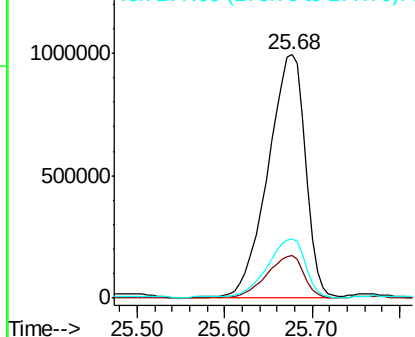
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.8	17.0	25.4
277	24.4	20.6	30.8

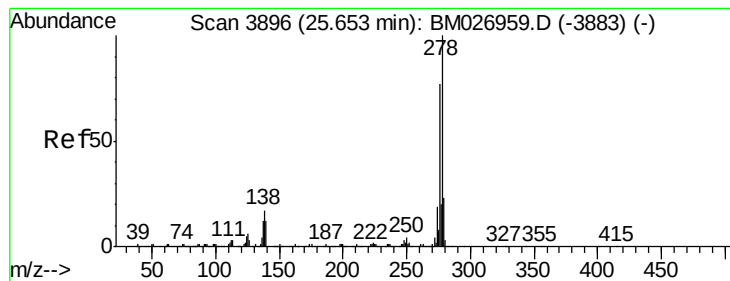
Abundance

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: 19.374 ng/ul

RT: 25.67 min Scan# 3899

Delta R.T. 0.01 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

Instrument :

BNA_M

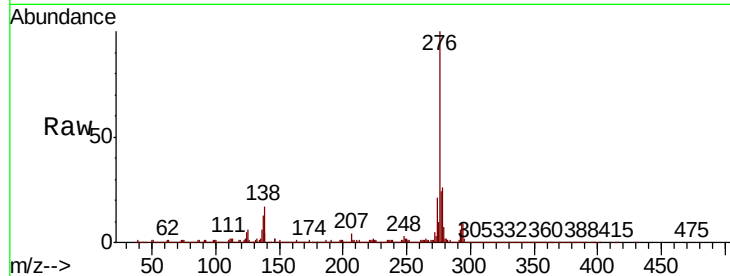
ClientSampleId :

C0S92

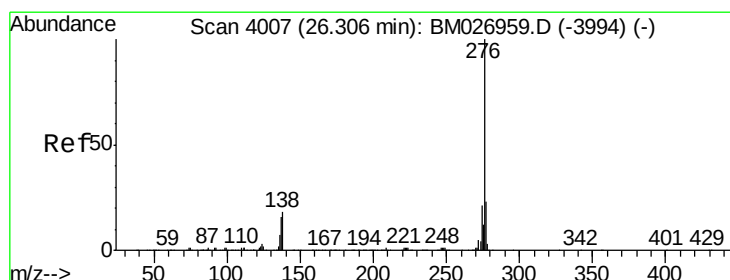
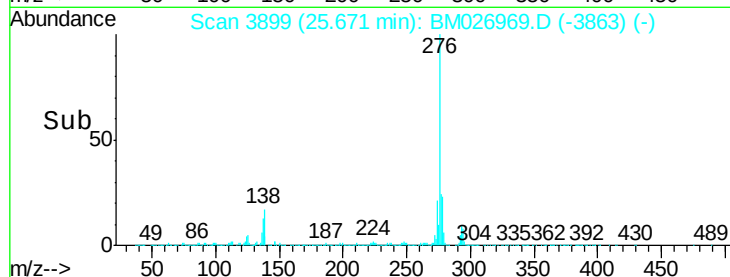
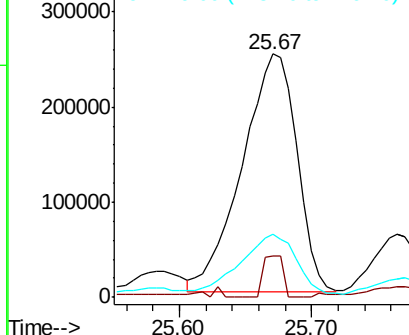
Tot Ion:	278	Resp:	725848
Ion Ratio	Lower	Upper	
278	100		
139	16.9	10.9	16.3#
279	26.1	19.4	29.2

Manual Integrations
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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(g,h,i)perylene

Concen: 19.848 ng/ul

RT: 26.34 min Scan# 4012

Delta R.T. 0.02 min

Lab File: BM026969.D

Acq: 31 Jul 2020 21:44

Tgt Ion:	276	Resp:	727025
Ion Ratio	Lower	Upper	
276	100		
138	17.0	14.9	22.3
277	24.4	19.1	28.7

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

