

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
 Data File : BM026960.D
 Acq On : 31 Jul 2020 16:14
 Operator : JU/CG
 Sample : L3424-13 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0S88

Manual Integrations
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mohammad
 8/3/2020 12:23:38 PM

Quant Time: Jul 31 16:47:23 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	77156	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	300640	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	189318	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	407782	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	472558	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	473813	20.00	ng/ul	0.00

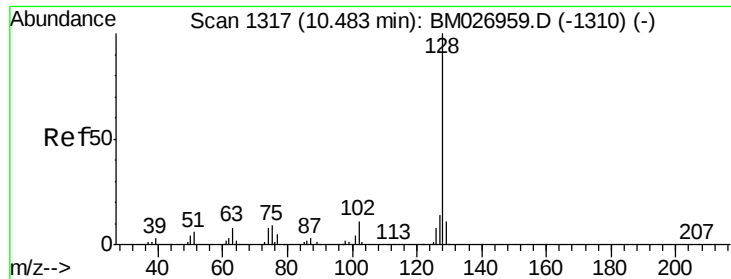
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1164	0.69	ng/uL	0.00
5) Phenol-d5	6.84	99	25687	3.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	18397	4.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	18711	3.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	20639	3.97	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	9385	4.01	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	8362	3.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	19969	3.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	11555	1.89	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	66466	4.48	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	78902	4.18	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	7898	3.15	ng/ul	0.00
58) Fluorene-d10	15.28	176	57249	4.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	6253	3.44	ng/ul	0.00
71) Anthracene-d10	17.13	188	93018	4.56	ng/ul	0.00
79) Pyrene-d10	19.43	212	111448	4.42	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	115767	4.33	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.48	128	57574	3.428	ng/ul	97
34) 2-Methylnaphthalene	12.10	142	24426	2.057	ng/ul	92
45) Dimethylphthalate	13.75	163	19027	1.221	ng/ul	97
48) Acenaphthylene	14.01	152	260314	13.562	ng/ul	99
50) Acenaphthene	14.35	153	21888	1.655	ng/ul	96
54) Dibenzofuran	14.69	168	77397	4.222	ng/ul	97
59) Fluorene	15.34	166	21990	1.425	ng/ul#	98
70) Phenanthrene	17.08	178	338726	13.684	ng/ul	99
72) Anthracene	17.17	178	435040	17.099	ng/ul	98
75) Carbazole	17.43	167	98720	4.389	ng/ul	98
77) Fluoranthene	19.10	202	4054653	138.732	ng/ul	99
80) Pyrene	19.47	202	5046928	146.794	ng/ul	97
83) Benzo(a)anthracene	21.21	228	2161078	66.348	ng/ul	94
85) Chrysene	21.27	228	2729952	85.947	ng/ul	98
88) Benzo(b)fluoranthene	22.80	252	5330652	157.271	ng/ul	99
89) Benzo(k)fluoranthene	22.84	252	1436231m	44.158	ng/ul	
91) Benzo(a)pyrene	23.35	252	1618765	52.927	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.66	276	1738072	45.808	ng/ul	95
93) Dibenzo(a,h)anthracene	25.66	278	455252	14.186	ng/ul#	86
94) Benzo(g,h,i)perylene	26.32	276	523206	16.676	ng/ul	99

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



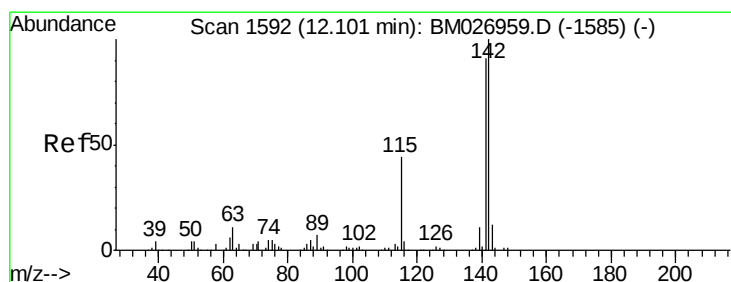
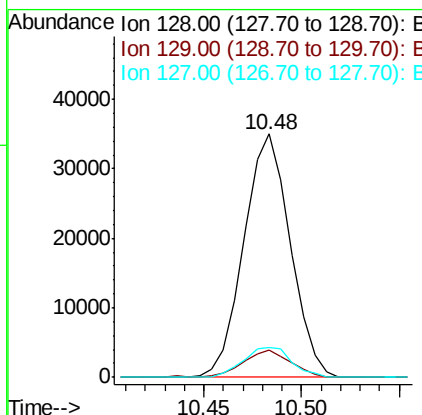
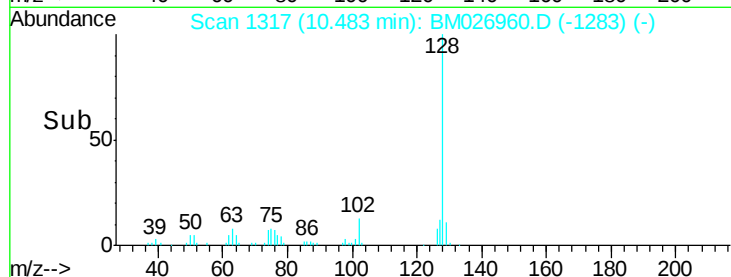
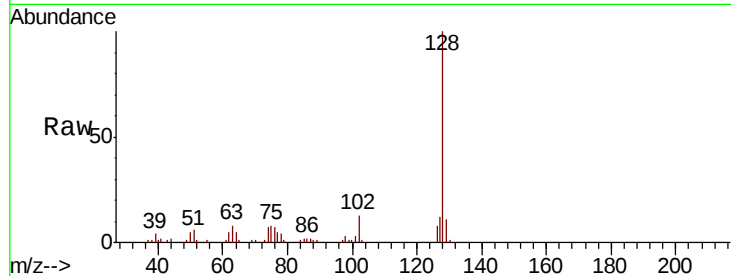
#28
Naphthalene
Concen: 3.428 ng/ul
RT: 10.48 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BM026960.D
Acq: 31 Jul 2020 16:14

Instrument :
BNA_M
ClientSampleId :
C0S88

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.3	12.5
127	12.5	11.0	16.6

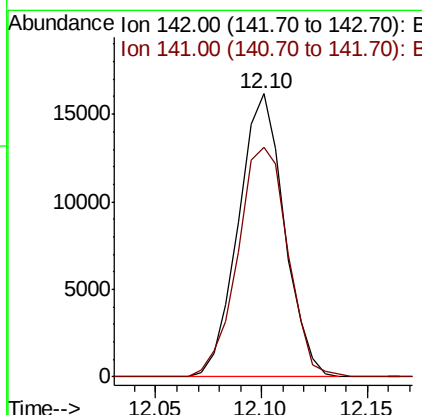
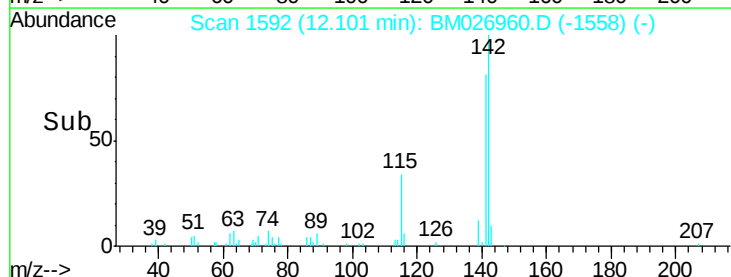
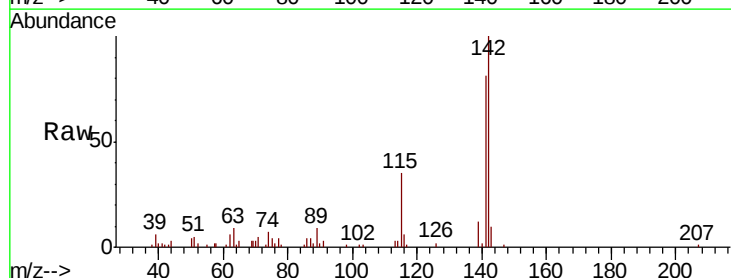
Manual Integrations
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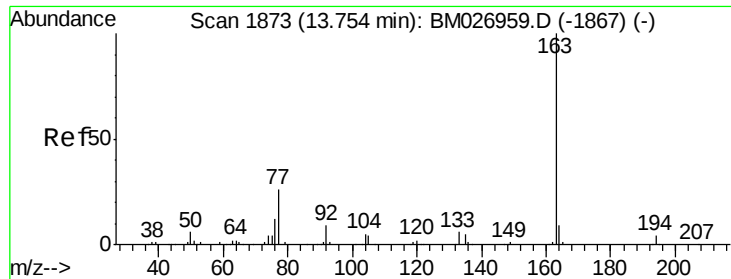
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#34
2-Methylnaphthalene
Concen: 2.057 ng/ul
RT: 12.10 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BM026960.D
Acq: 31 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.0	71.1	106.7





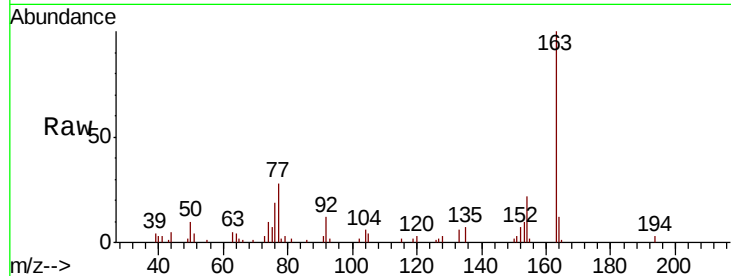
#45
Dimethylphthalate
Concen: 1.221 ng/ul
RT: 13.75 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BM026960.D
Acq: 31 Jul 2020 16:14

Instrument :
BNA_M
ClientSampleId :
C0S88

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.6
164	11.8	8.6	12.8

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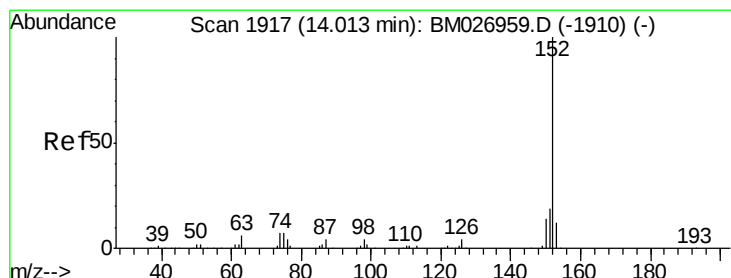
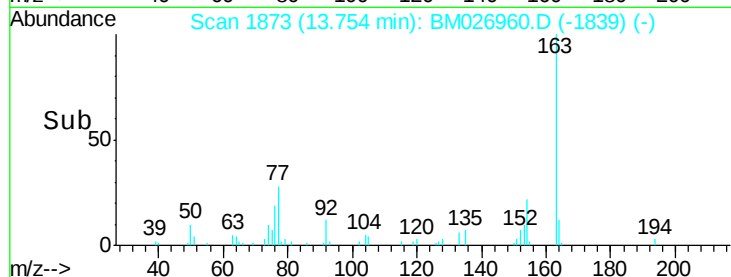
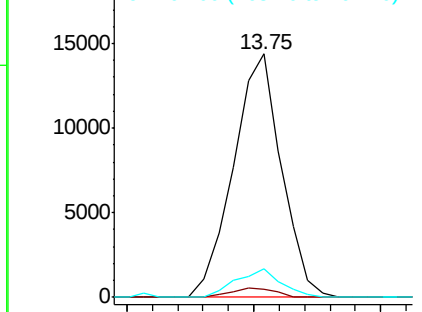


Abundance

Ion 163.00 (162.70 to 163.70): E

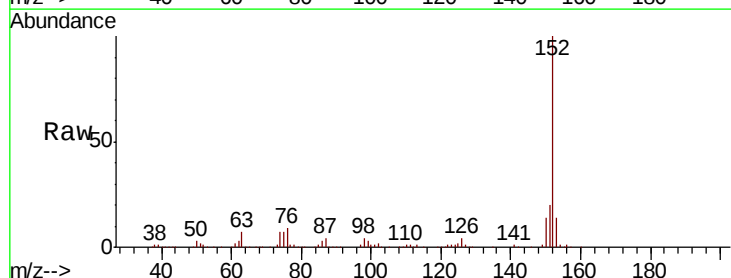
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48
Acenaphthylene
Concen: 13.562 ng/ul
RT: 14.01 min Scan# 1917
Delta R.T. -0.00 min
Lab File: BM026960.D
Acq: 31 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	14.1	10.7	16.1

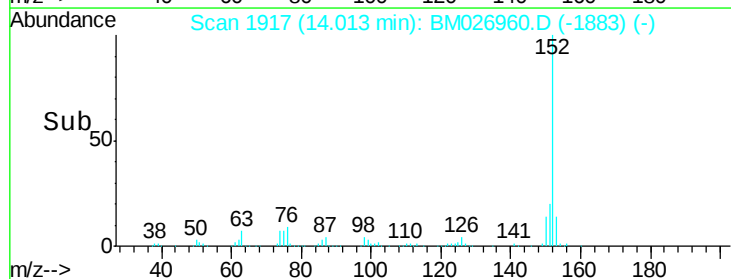
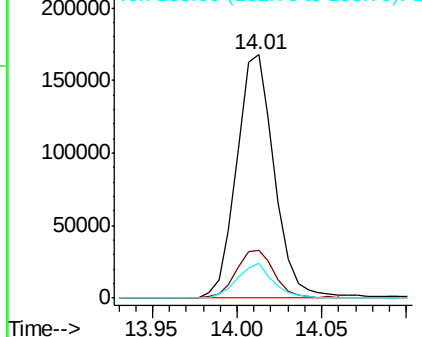


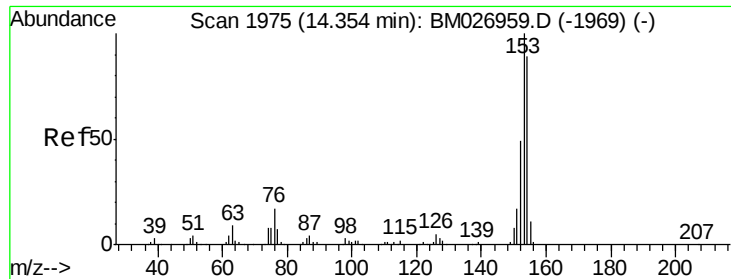
Abundance

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: 1.655 ng/ul

RT: 14.35 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BM026960.D

Acq: 31 Jul 2020 16:14

Instrument :

BNA_M

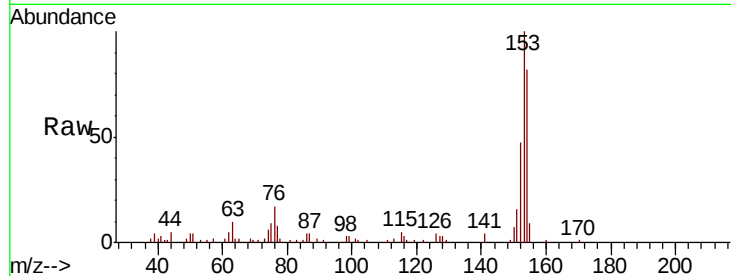
ClientSampleId :

C0S88

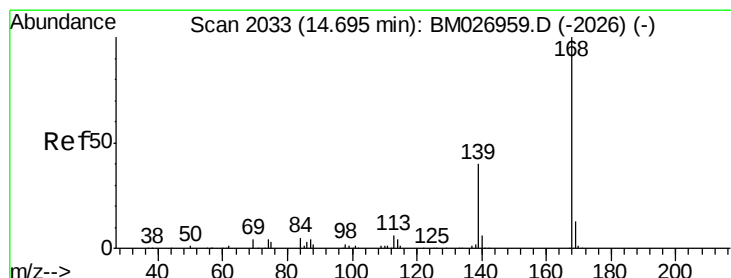
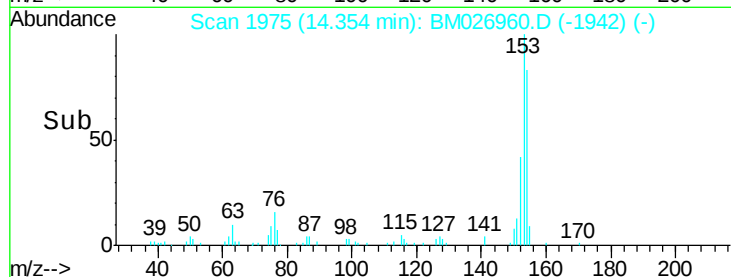
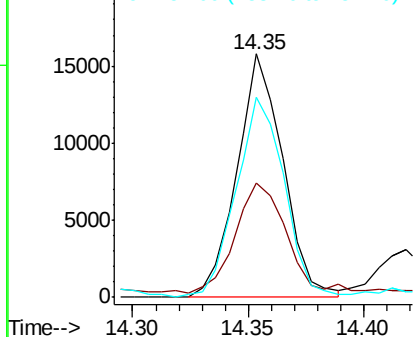
Tot Ion:	153	Resp:	21888
Ion	Ratio	Lower	Upper
153	100		
152	47.0	37.8	56.6
154	82.1	70.5	105.7

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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: 4.222 ng/ul

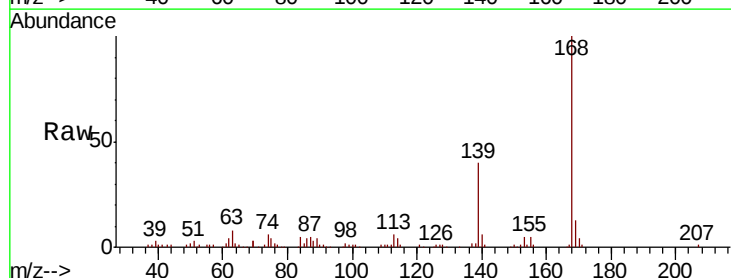
RT: 14.69 min Scan# 2033

Delta R.T. -0.00 min

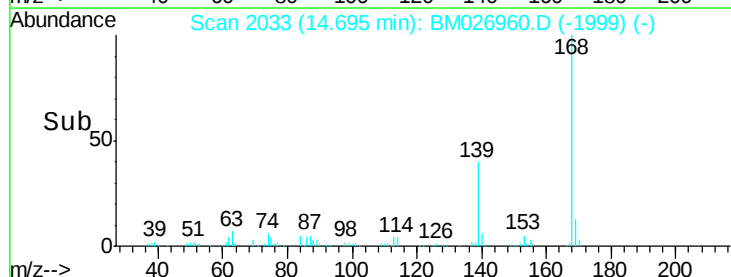
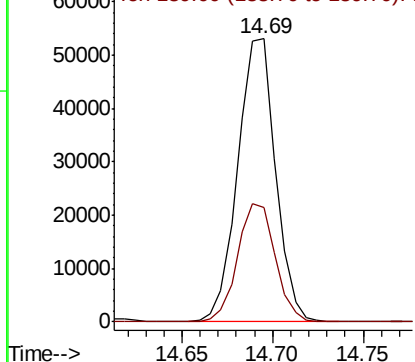
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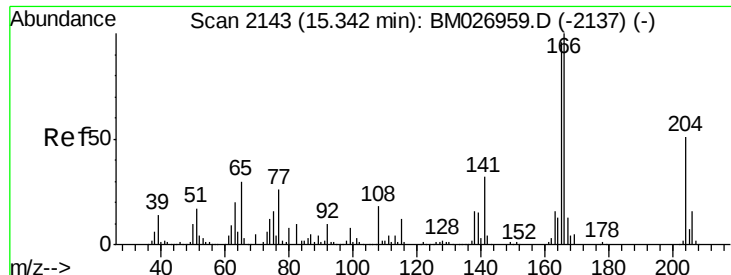
Acq: 31 Jul 2020 16:14

Tgt Ion:	168	Resp:	77397
Ion	Ratio	Lower	Upper
168	100		
139	40.4	30.8	46.2



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





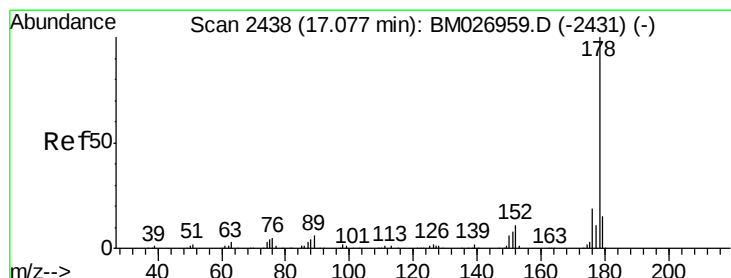
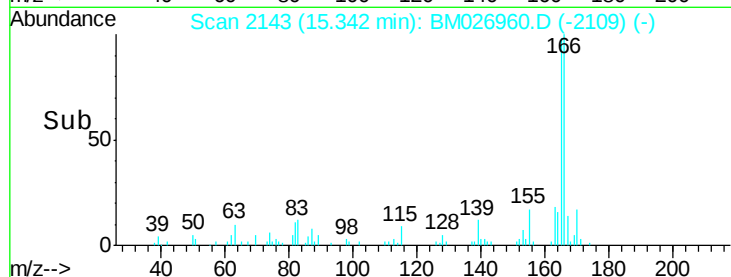
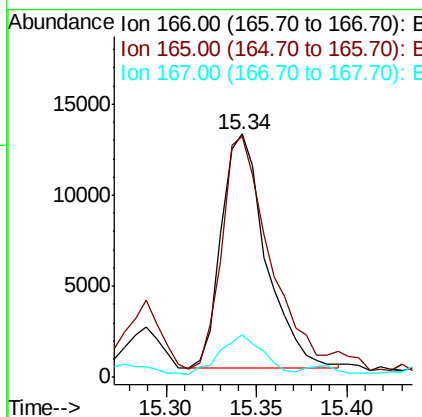
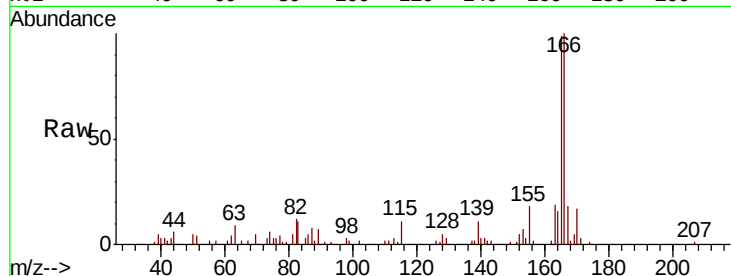
#59
Fluorene
Concen: 1.425 ng/ul
RT: 15.34 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BM026960.D
Acq: 31 Jul 2020 16:14

Instrument :
BNA_M
ClientSampleId :
C0S88

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.2	117.2
167	17.7	10.3	15.5#

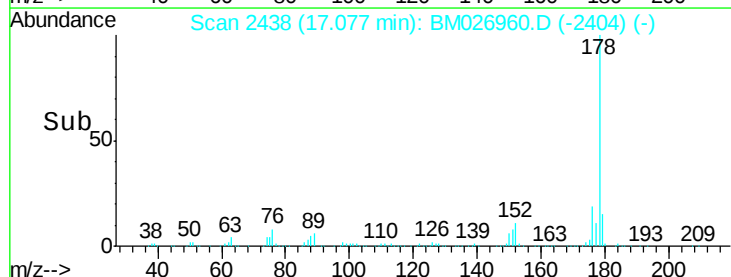
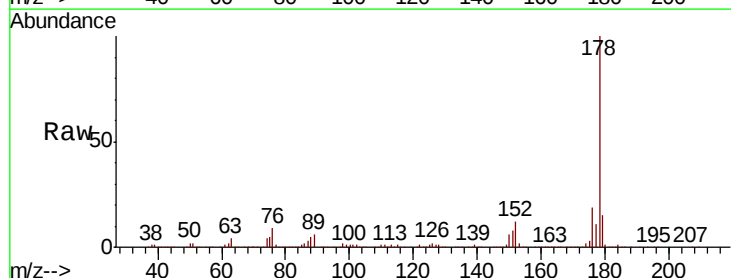
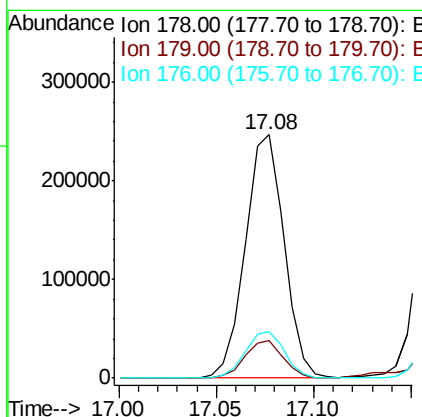
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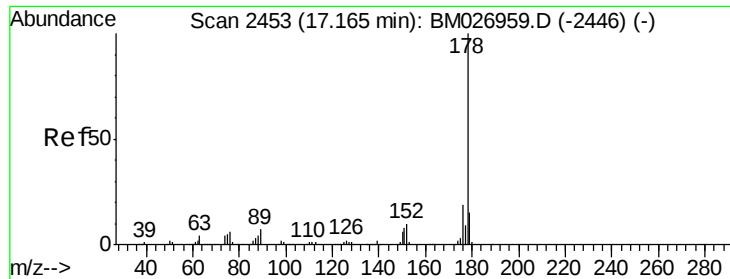
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#70
Phenanthrene
Concen: 13.684 ng/ul
RT: 17.08 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BM026960.D
Acq: 31 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	19.2	14.7	22.1





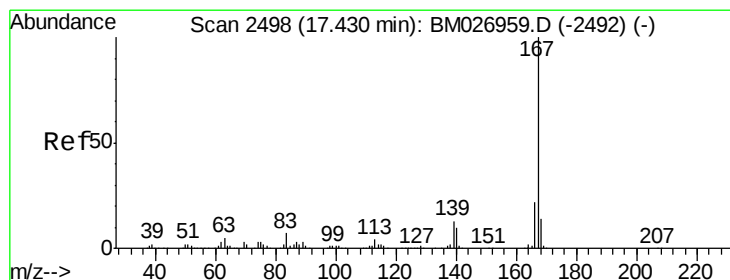
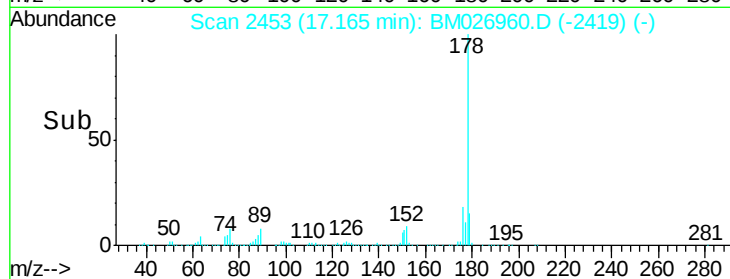
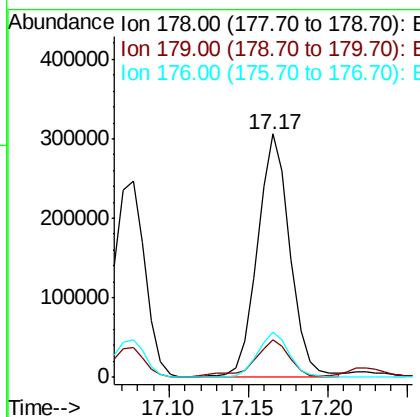
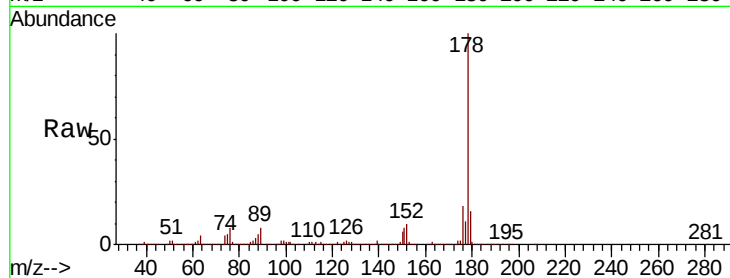
#72
 Anthracene
 Concen: 17.099 ng/ul
 RT: 17.17 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: BM026960.D
 Acq: 31 Jul 2020 16:14

Instrument :
 BNA_M
 ClientSampleId :
 C0S88

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.8	17.6
176	18.3	15.0	22.6

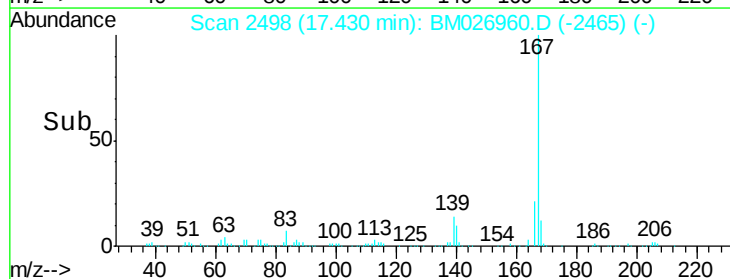
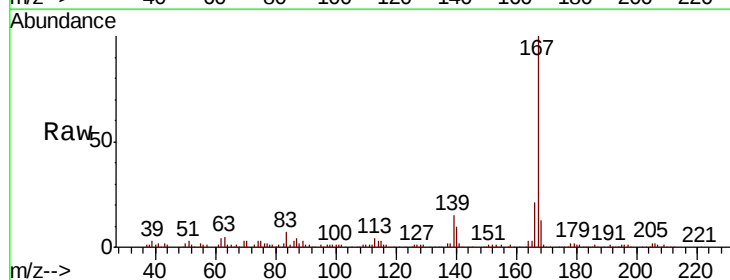
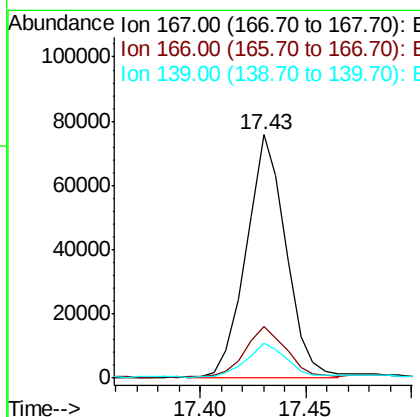
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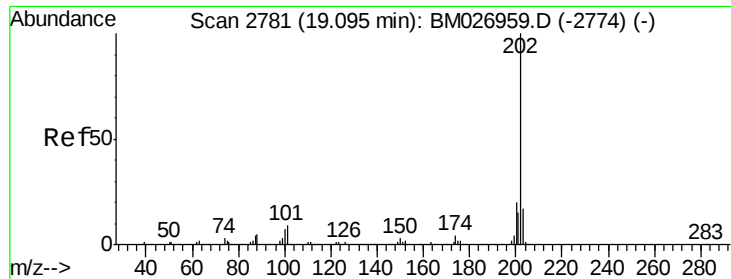
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#75
 Carbazole
 Concen: 4.389 ng/ul
 RT: 17.43 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BM026960.D
 Acq: 31 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	14.6	10.1	15.1





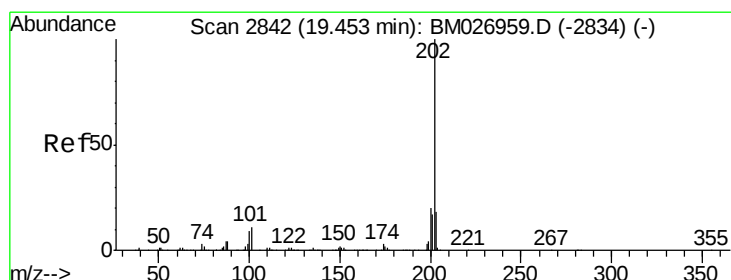
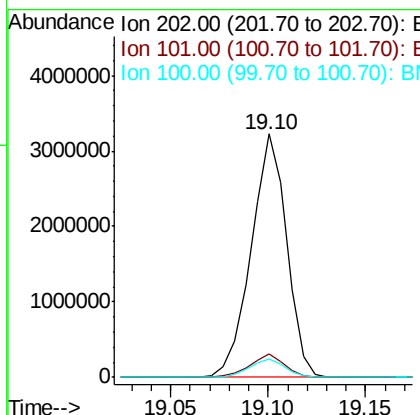
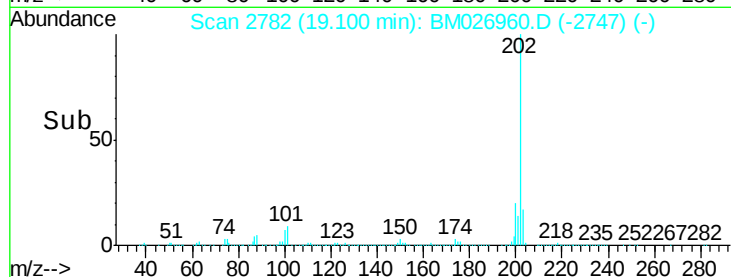
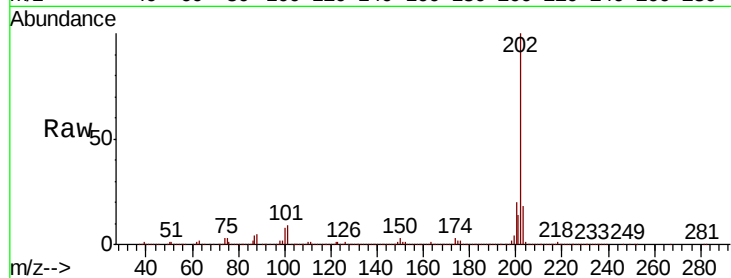
#77
Fluoranthene
 Concen: 138.732 ng/ul
 RT: 19.10 min Scan# 2782
 Delta R.T. 0.01 min
 Lab File: BM026960.D
 Acq: 31 Jul 2020 16:14

Instrument :
 BNA_M
 ClientSampleId :
 C0S88

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.7	11.5
100	7.5	6.2	9.4

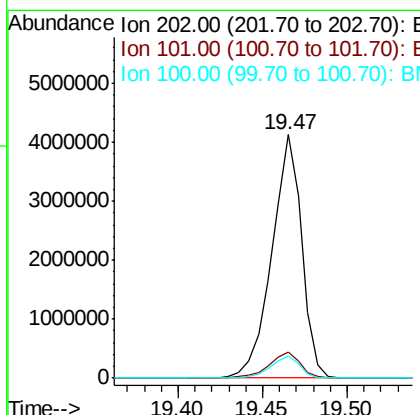
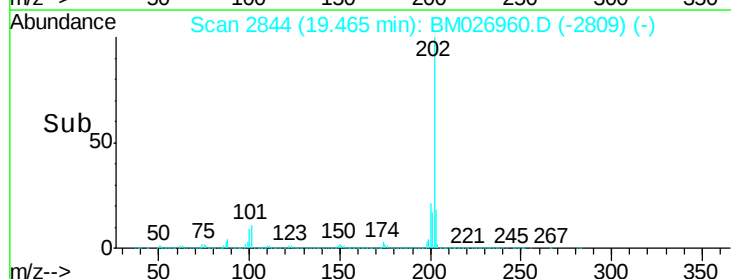
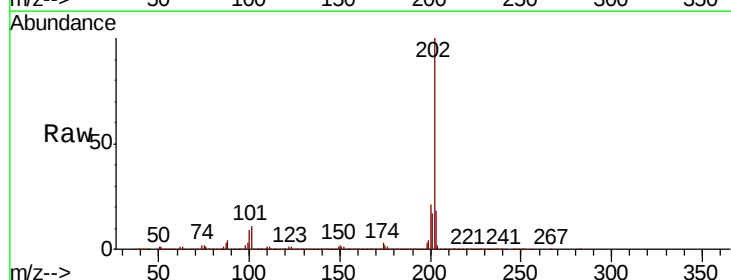
Manual Integrations
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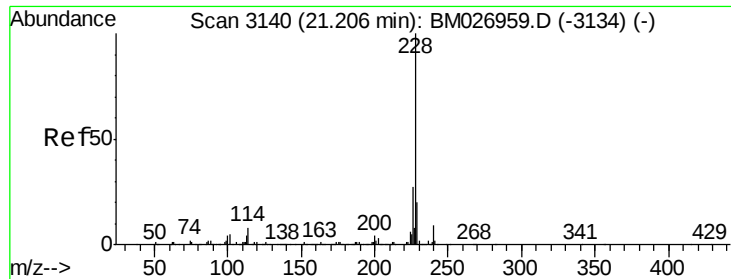
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#80
Pyrene
 Concen: 146.794 ng/ul
 RT: 19.47 min Scan# 2844
 Delta R.T. 0.01 min
 Lab File: BM026960.D
 Acq: 31 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.4	14.2
100	9.3	8.2	12.4





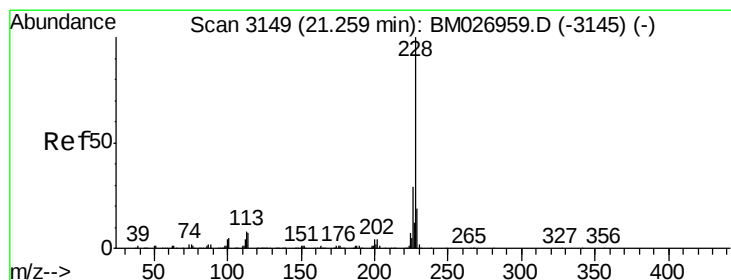
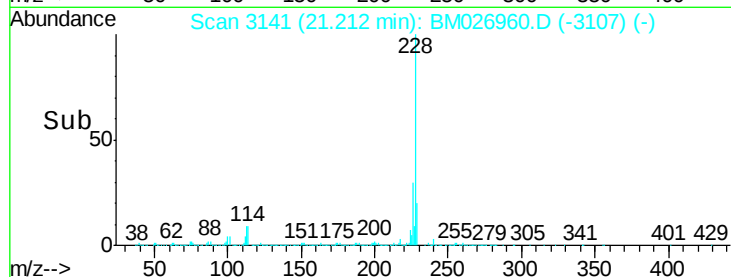
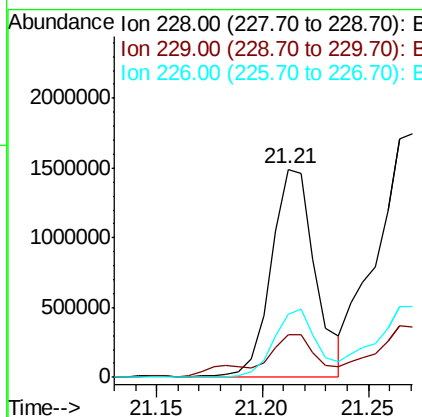
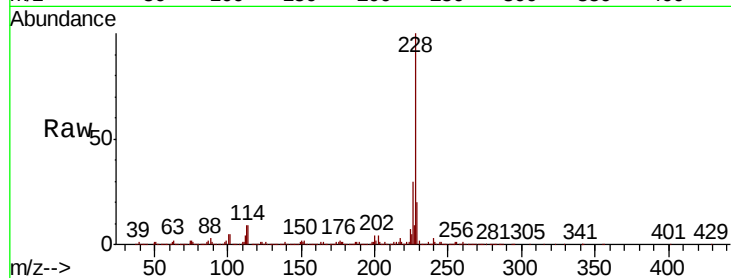
#83
Benzo(a)anthracene
Concen: 66.348 ng/ul
RT: 21.21 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BM026960.D
Acq: 31 Jul 2020 16:14

Instrument :
BNA_M
ClientSampleId :
C0S88

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.4	23.2
226	30.1	20.9	31.3

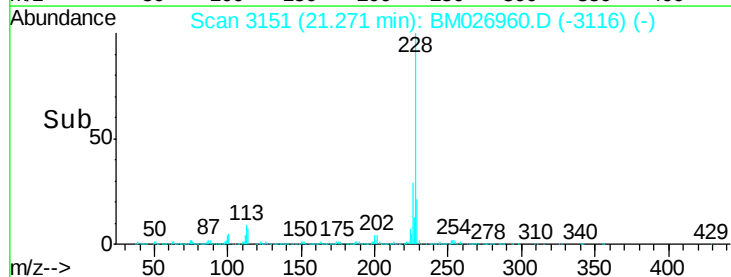
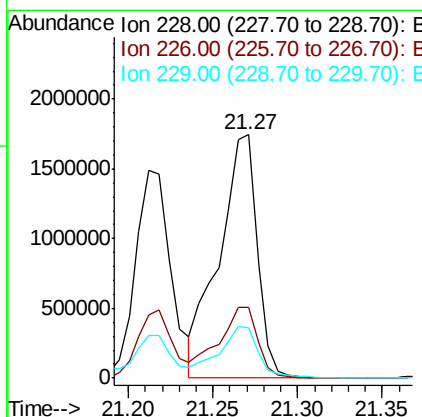
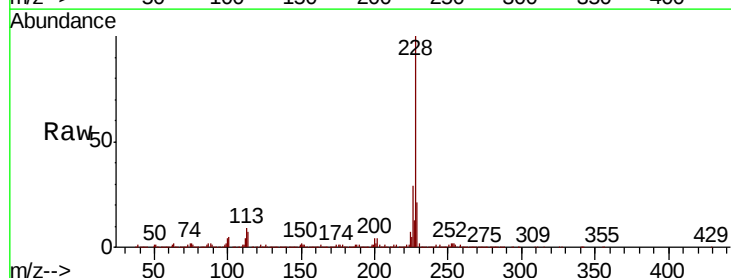
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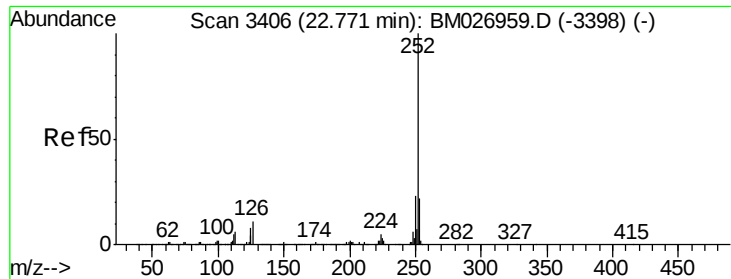
mohammad
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#85
Chrysene
Concen: 85.947 ng/ul
RT: 21.27 min Scan# 3151
Delta R.T. 0.01 min
Lab File: BM026960.D
Acq: 31 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.2	34.8
229	20.9	15.5	23.3





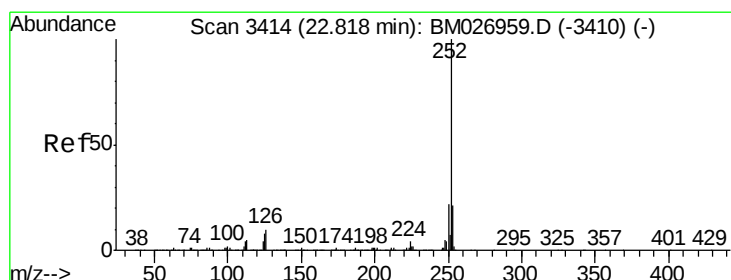
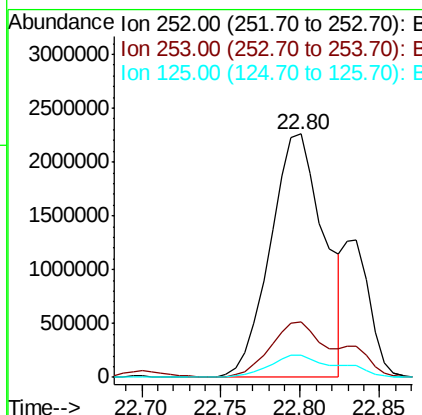
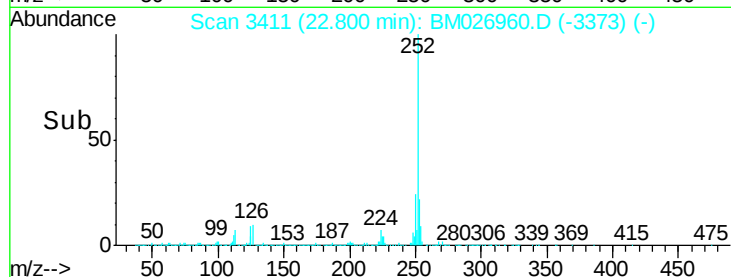
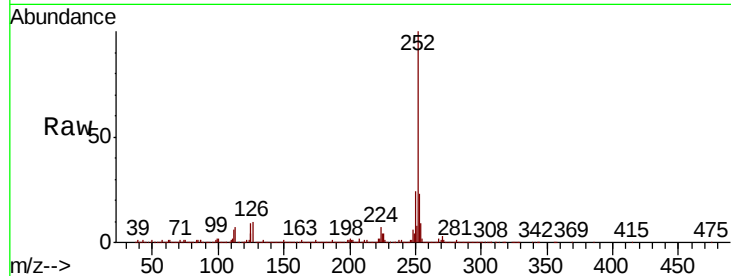
#88
Benzo(b)fluoranthene
Concen: 157.271 ng/ul
RT: 22.80 min Scan# 3411
Delta R.T. 0.02 min
Lab File: BM026960.D
Acq: 31 Jul 2020 16:14

Instrument :
BNA_M
ClientSampleId :
C0S88

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	8.9	6.6	10.0

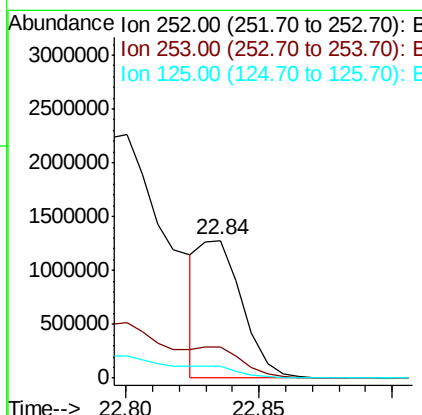
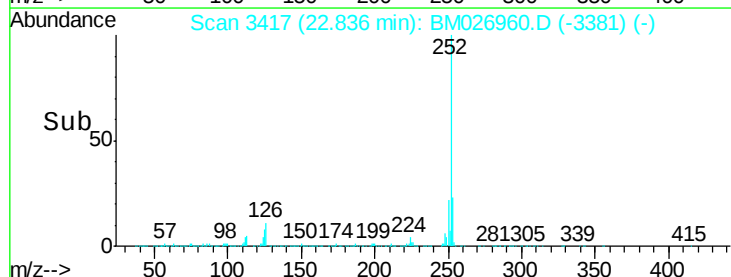
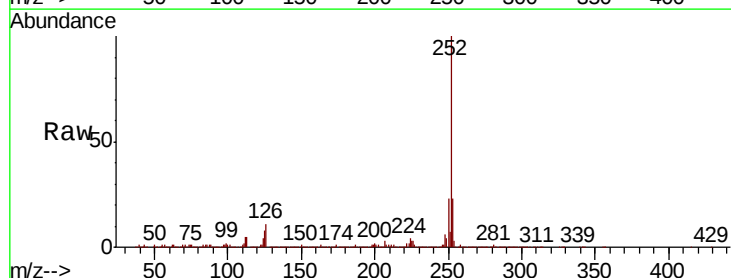
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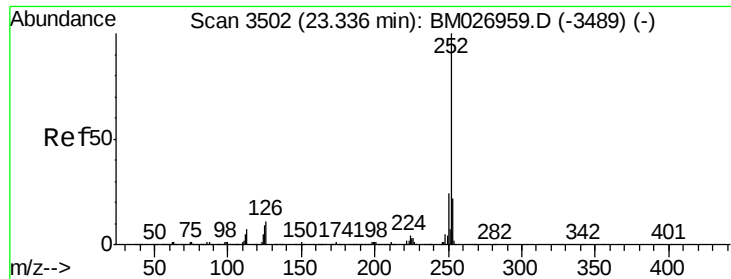
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#89
Benzo(k)fluoranthene
Concen: 44.158 ng/ul m
RT: 22.84 min Scan# 3417
Delta R.T. 0.01 min
Lab File: BM026960.D
Acq: 31 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	8.4	7.3	10.9





#91

Benzo(a)pyrene

Concen: 52.927 ng/ul

RT: 23.35 min Scan# 3505

Delta R.T. 0.01 min

Lab File: BM026960.D

Acq: 31 Jul 2020 16:14

Instrument :

BNA_M

ClientSampled :

C0S88

Tot Ion:252 Resp: 1618765

Ion Ratio Lower Upper

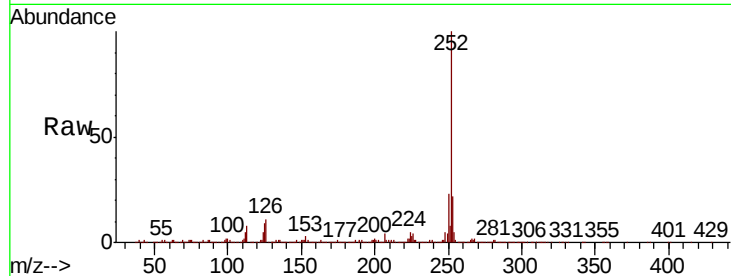
252 100

253 22.4 17.7 26.5

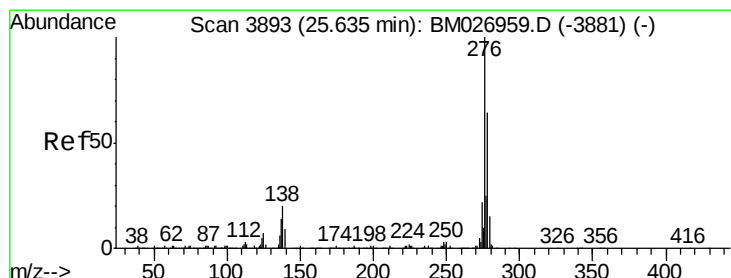
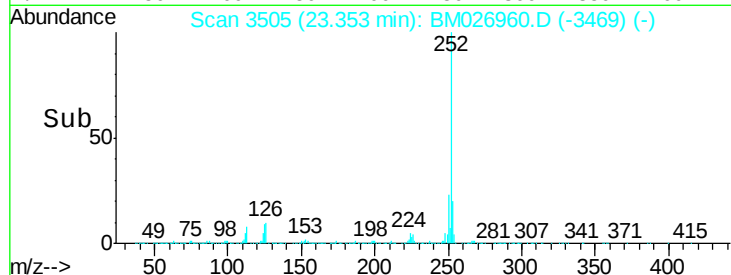
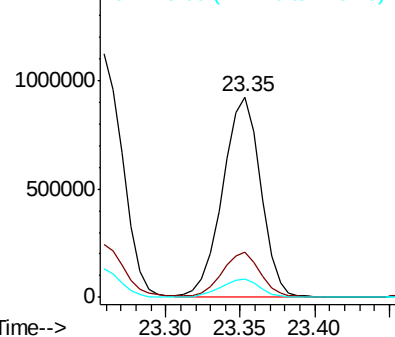
125 9.0 8.2 12.2

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Abundance Ion 252.00 (251.70 to 252.70): E
1500000 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: 45.808 ng/ul

RT: 25.66 min Scan# 3898

Delta R.T. 0.02 min

Lab File: BM026960.D

Acq: 31 Jul 2020 16:14

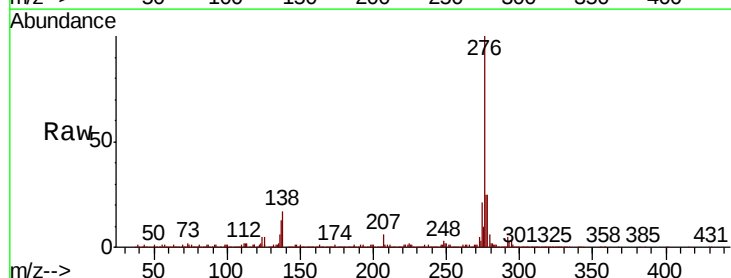
Tgt Ion:276 Resp: 1738072

Ion Ratio Lower Upper

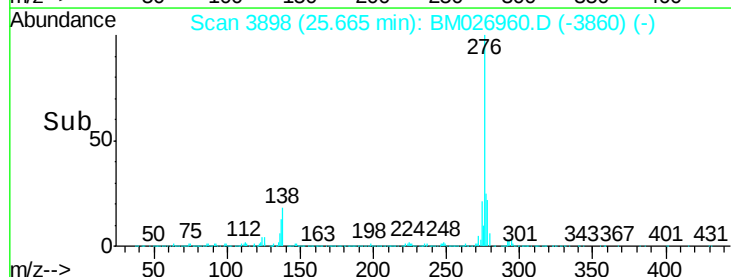
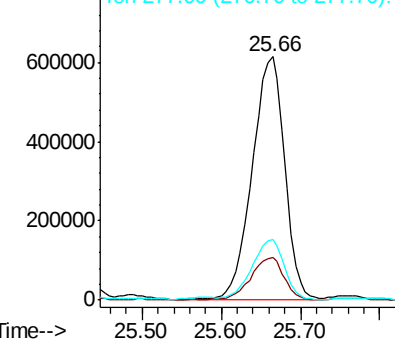
276 100

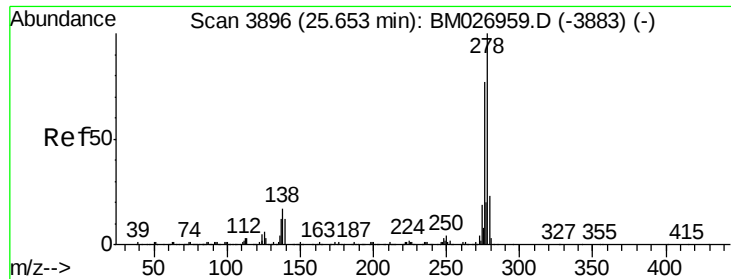
138 17.4 17.0 25.4

277 24.6 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E
800000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





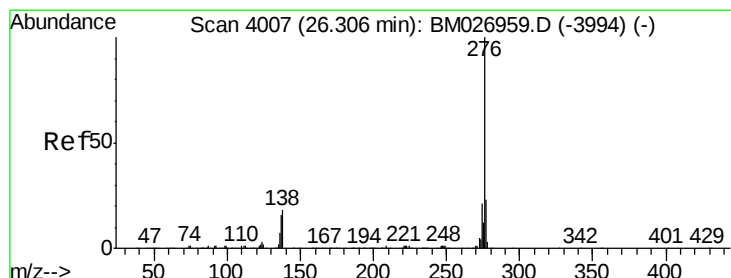
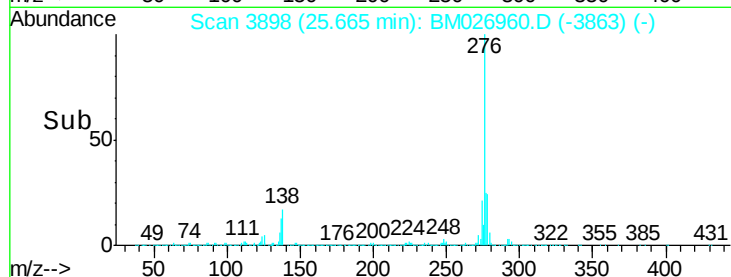
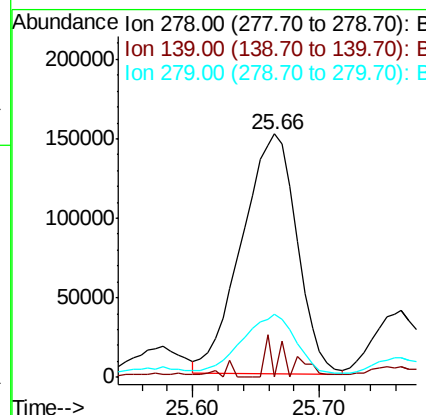
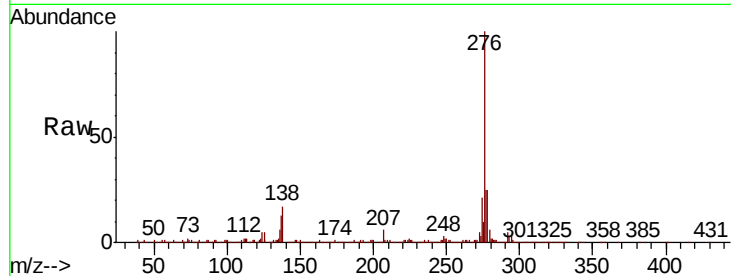
#93
Dibenzo(a,h)anthracene
Concen: 14.186 ng/ul
RT: 25.66 min Scan# 3898
Delta R.T. 0.01 min
Lab File: BM026960.D
Acq: 31 Jul 2020 16:14

Instrument :
BNA_M
ClientSampleId :
C0S88

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.9	16.3#
279	25.8	19.4	29.2

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#94
Benzo(g,h,i)perylene
Concen: 16.676 ng/ul
RT: 26.32 min Scan# 4010
Delta R.T. 0.01 min
Lab File: BM026960.D
Acq: 31 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.0	14.9	22.3
277	23.5	19.1	28.7

