

Data File : BM026988.D
Acq On : 03 Aug 2020 21:03
Operator : JU/CG
Sample : L3424-17DL 25X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0S92DL

Quant Time: Aug 04 02:37:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 10:21:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	63401	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	250996	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	150180	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	308990	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	301488	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	301945	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	305	0.22	ng/uL	0.00
5) Phenol-d5	6.84	99	8005	1.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	5852	1.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	6341	1.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	5669	1.33	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	3194	1.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	3075	1.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	5834	1.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	3334	0.65	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	19271	1.64	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	22599	1.51	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	1759	0.88	ng/ul	0.00
58) Fluorene-d10	15.29	176	16671	1.63	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	1231	0.89	ng/ul	0.00
71) Anthracene-d10	17.03	188	308990	20.01	ng/ul	-0.10
79) Pyrene-d10	19.43	212	26868	1.67	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.29	264	25524	1.50	ng/ul	0.00

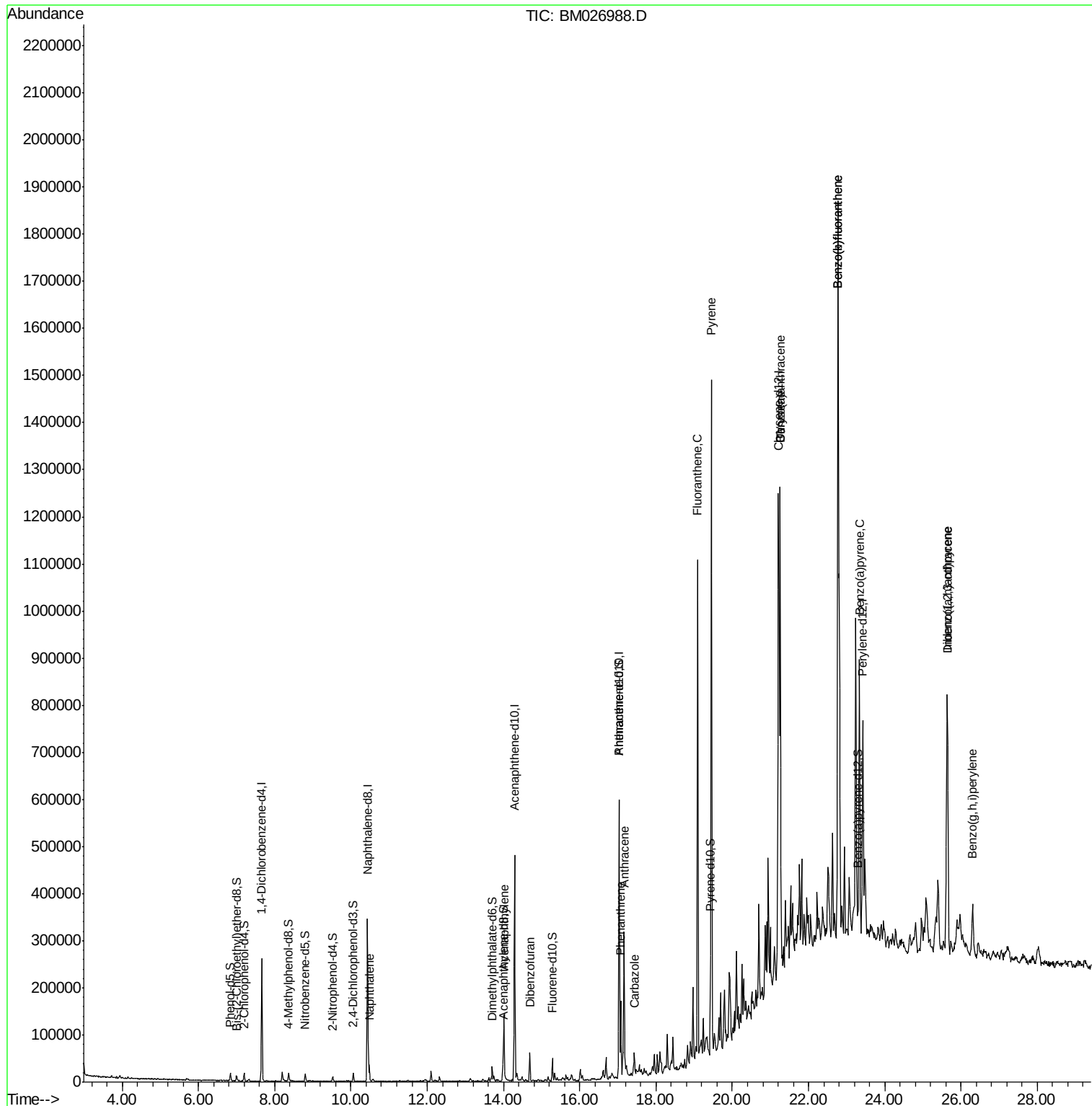
Target Compounds				Qvalue		
28) Naphthalene	10.48	128	23849	1.701	ng/ul	97
48) Acenaphthylene	14.01	152	101790	6.685	ng/ul	97
54) Dibenzofuran	14.69	168	33346	2.293	ng/ul	96
70) Phenanthrene	17.07	178	87101	4.644	ng/ul	95
72) Anthracene	17.16	178	197261	10.232	ng/ul	98
75) Carbazole	17.43	167	27748	1.628	ng/ul	98
77) Fluoranthene	19.09	202	574487	25.941	ng/ul	100
80) Pyrene	19.46	202	792479	36.129	ng/ul	98
83) Benzo(a)anthracene	21.26	228	615490	29.619	ng/ul	95
85) Chrysene	21.26	228	615490	30.373	ng/ul	98
88) Benzo(b)fluoranthene	22.77	252	1258350	58.257	ng/ul	99
89) Benzo(k)fluoranthene	22.77	252	1258350	60.711	ng/ul	99
91) Benzo(a)pyrene	23.33	252	382683	19.634	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.63	276	486686	20.128	ng/ul	95
93) Dibenzo(a,h)anthracene	25.64	278	121872	5.959	ng/ul	97
94) Benzo(g,h,i)perylene	26.31	276	121779	6.091	ng/ul	94

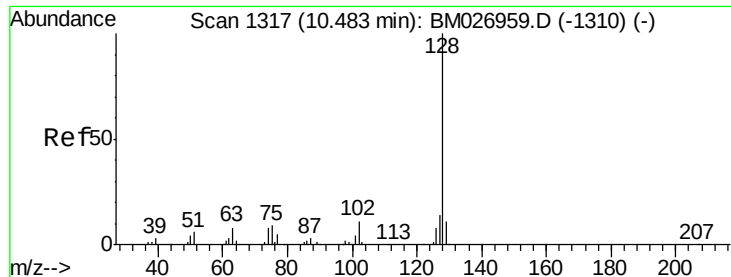
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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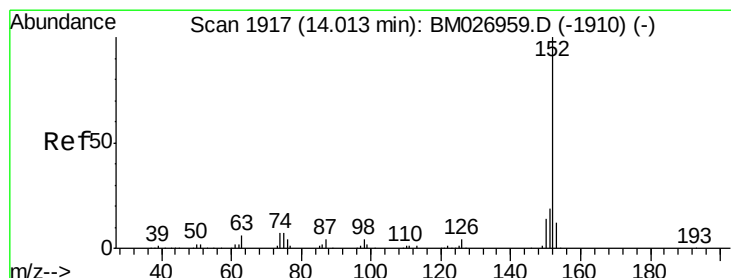
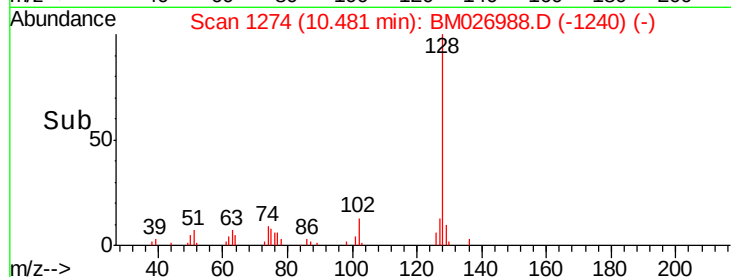
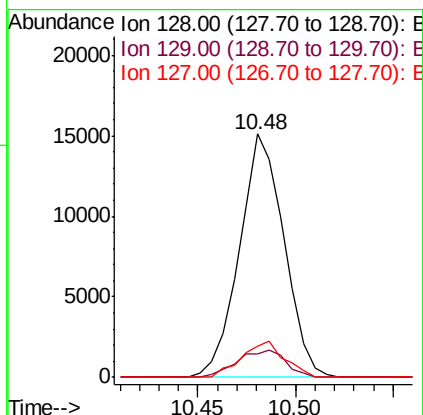
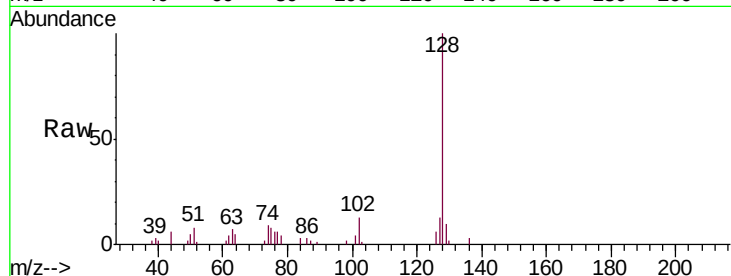




#28
Naphthalene
Concen: 1.701 ng/ul
RT: 10.48 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BM026988.D
Acq: 03 Aug 2020 21:03

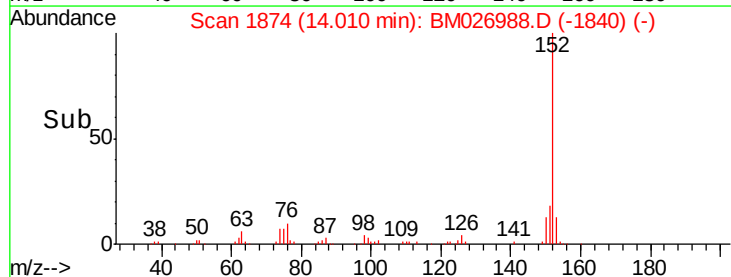
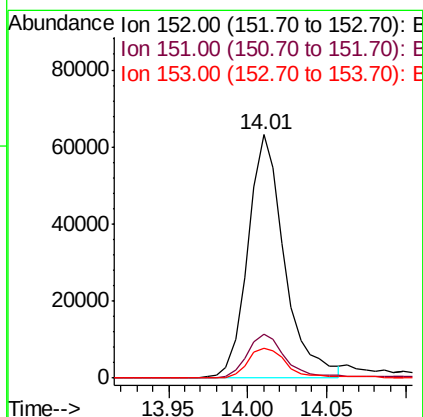
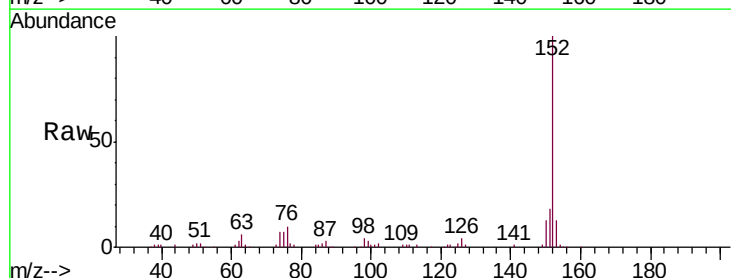
Instrument :
BNA_M
ClientSampleId :
C0S92DL

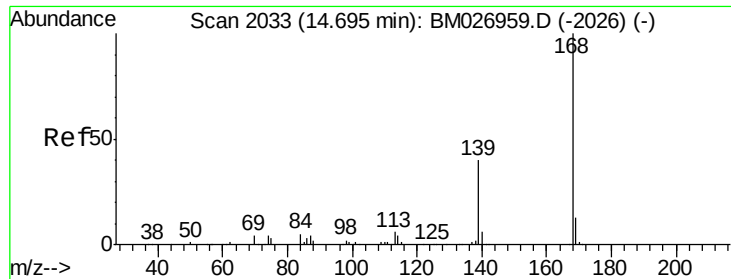
Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.3	12.5
127	12.5	11.0	16.6



#48
Acenaphthylene
Concen: 6.685 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BM026988.D
Acq: 03 Aug 2020 21:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.2	15.8	23.6
153	12.5	10.7	16.1





#54

Dibenzenofuran

Concen: 2.293 ng/ul

RT: 14.69 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BM026988.D

Acq: 03 Aug 2020 21:03

Instrument :

BNA_M

ClientSampled :

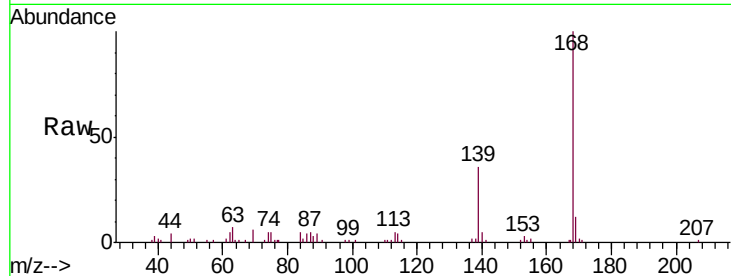
C0S92DL

Tgt Ion:168 Resp: 33346

Ion Ratio Lower Upper

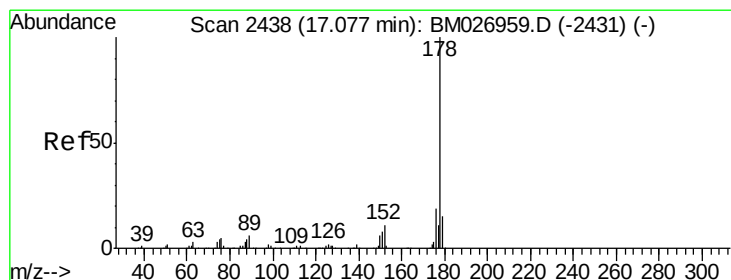
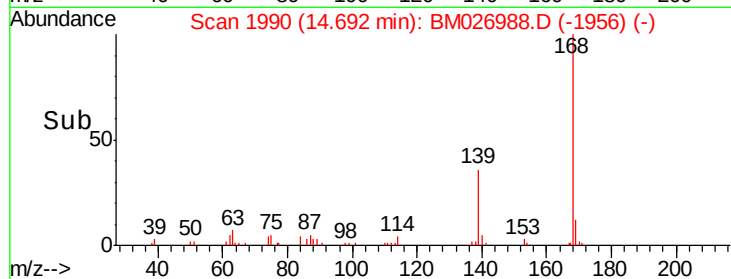
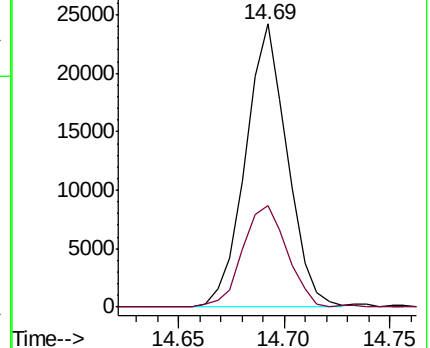
168 100

139 35.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#70

Phenanthrene

Concen: 4.644 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM026988.D

Acq: 03 Aug 2020 21:03

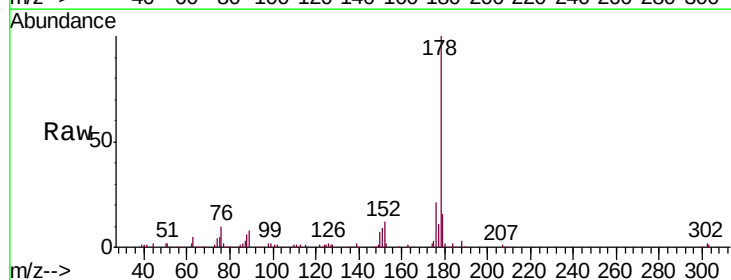
Tgt Ion:178 Resp: 87101

Ion Ratio Lower Upper

178 100

179 16.2 12.0 18.0

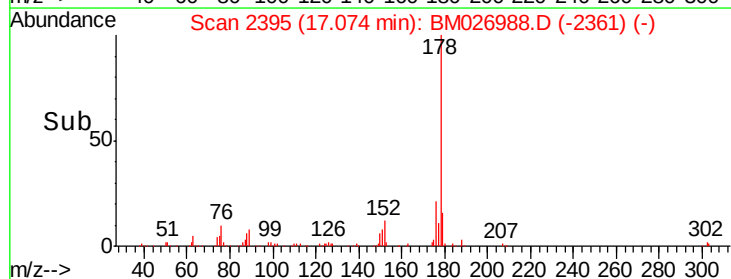
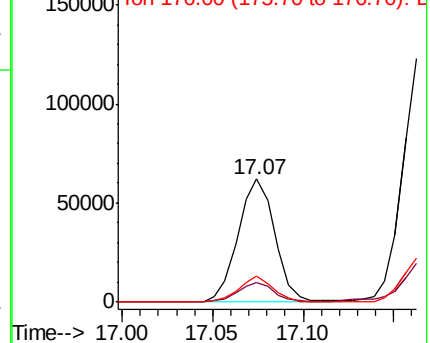
176 21.1 14.7 22.1

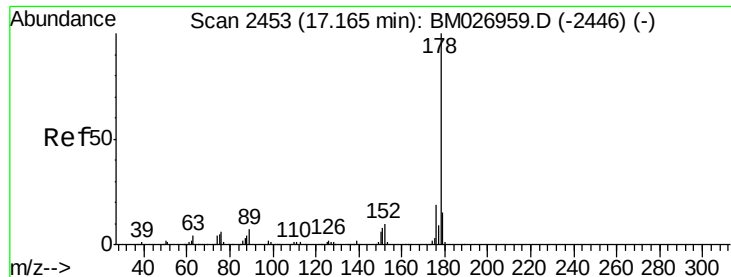


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 10.232 ng/ul

RT: 17.16 min Scan# 2410

Delta R.T. -0.00 min

Lab File: BM026988.D

Acq: 03 Aug 2020 21:03

Instrument :

BNA_M

ClientSampleId :

C0S92DL

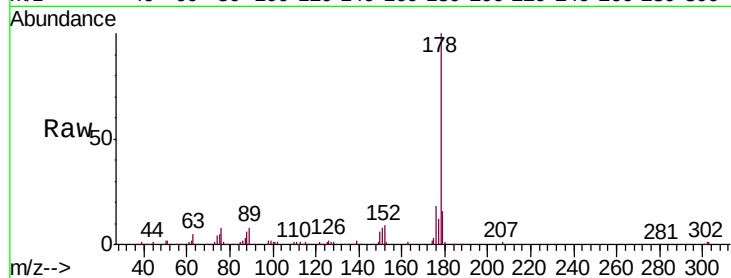
Tgt Ion:178 Resp: 197261

Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.6

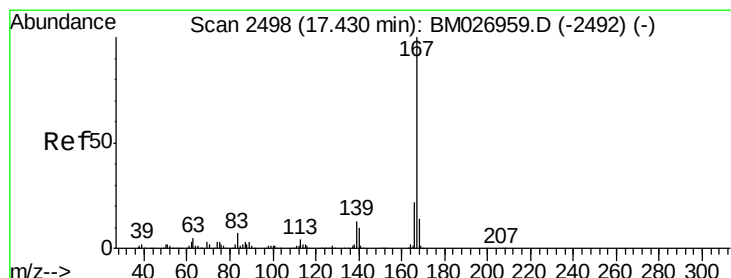
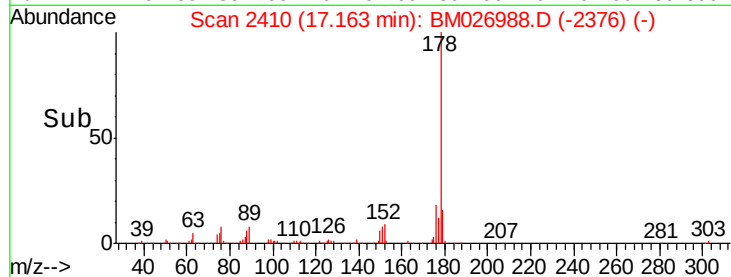
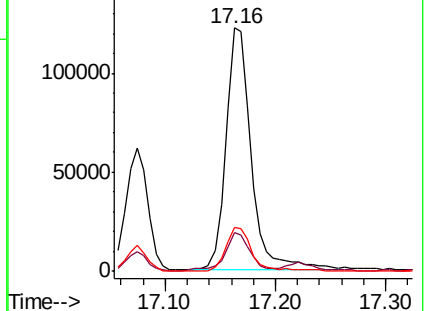
176 18.2 15.0 22.6



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: 1.628 ng/ul

RT: 17.43 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BM026988.D

Acq: 03 Aug 2020 21:03

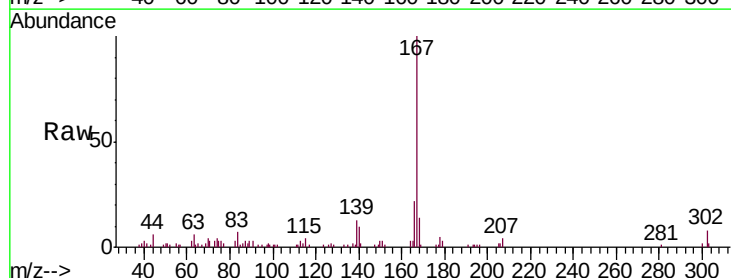
Tgt Ion:167 Resp: 27748

Ion Ratio Lower Upper

167 100

166 22.4 17.1 25.7

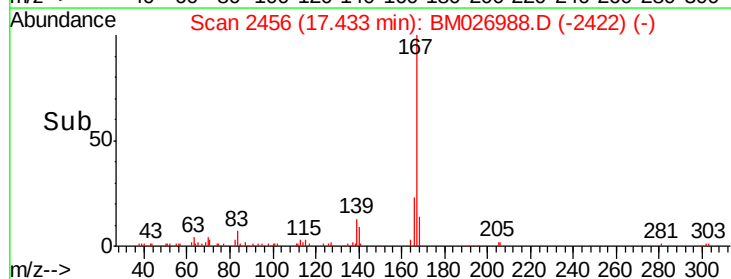
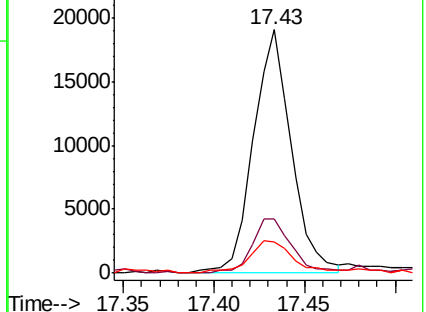
139 12.8 10.1 15.1

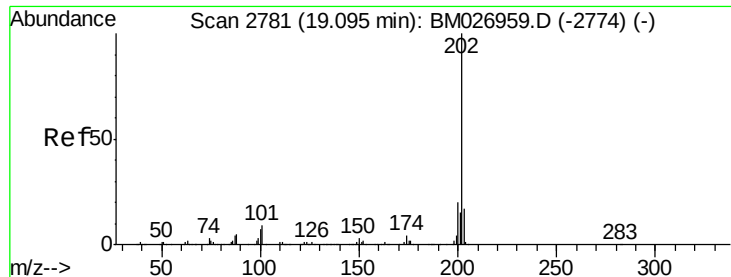


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 25.941 ng/ul

RT: 19.09 min Scan# 2738

Delta R.T. -0.00 min

Lab File: BM026988.D

Acq: 03 Aug 2020 21:03

Instrument :

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ClientSampleId :

C0S92DL

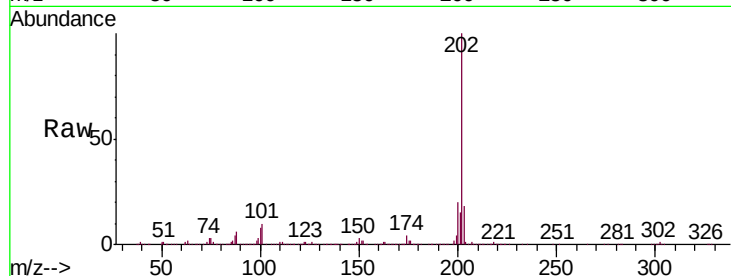
Tgt Ion:202 Resp: 574487

Ion Ratio Lower Upper

202 100

101 9.5 7.7 11.5

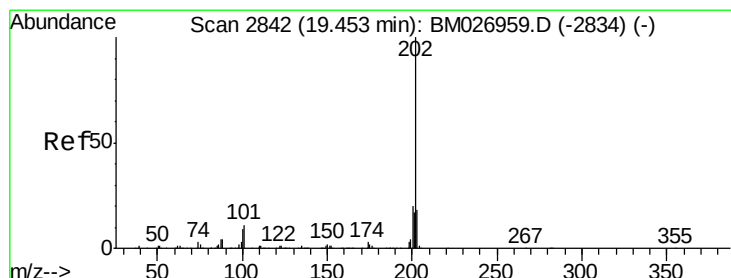
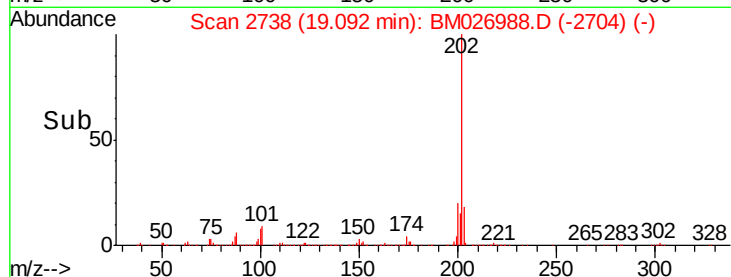
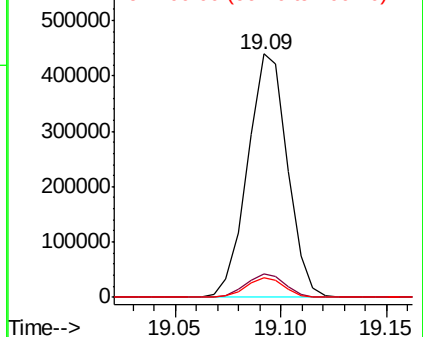
100 7.8 6.2 9.4



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



#80

Pyrene

Concen: 36.129 ng/ul

RT: 19.46 min Scan# 2800

Delta R.T. -0.00 min

Lab File: BM026988.D

Acq: 03 Aug 2020 21:03

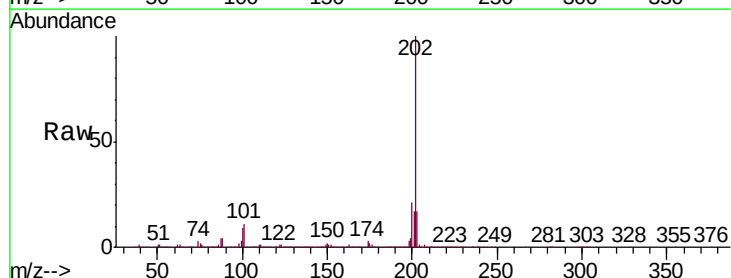
Tgt Ion:202 Resp: 792479

Ion Ratio Lower Upper

202 100

101 10.8 9.4 14.2

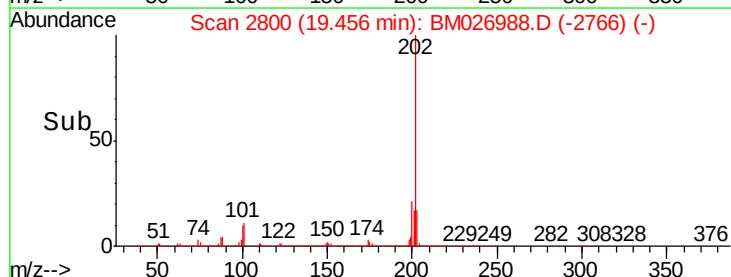
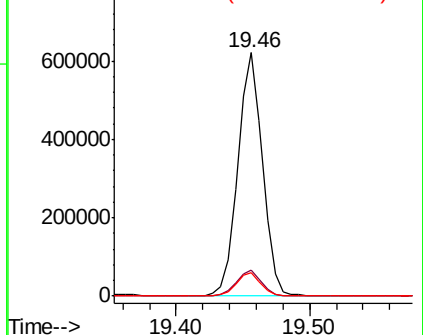
100 9.5 8.2 12.4

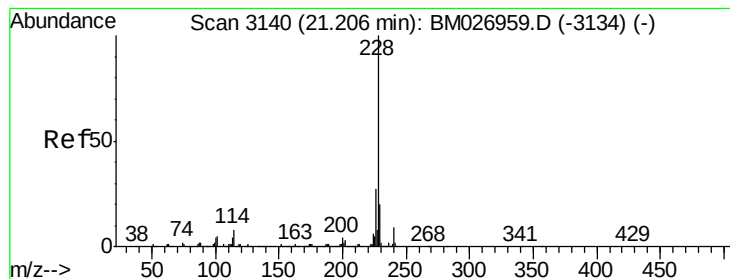


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 29.619 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.05 min

Lab File: BM026988.D

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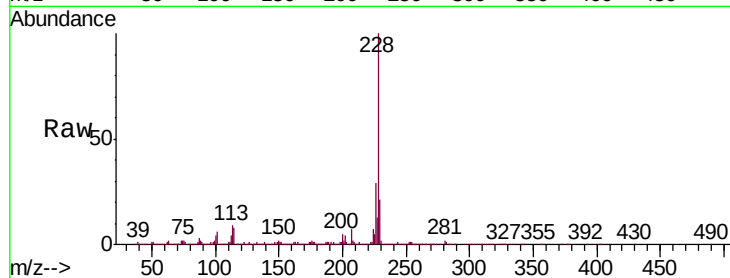
Tgt Ion:228 Resp: 615490

Ion Ratio Lower Upper

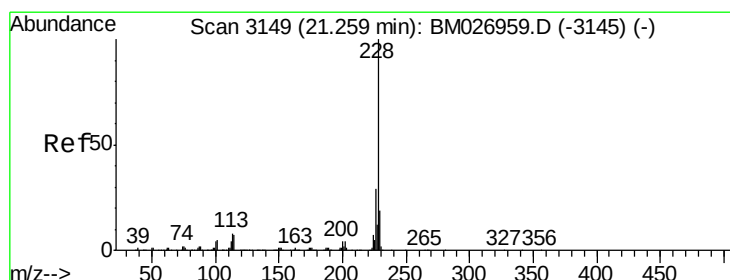
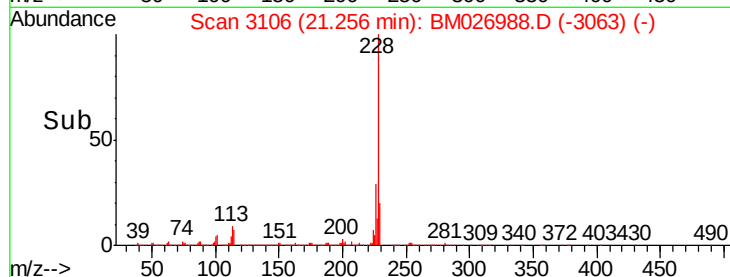
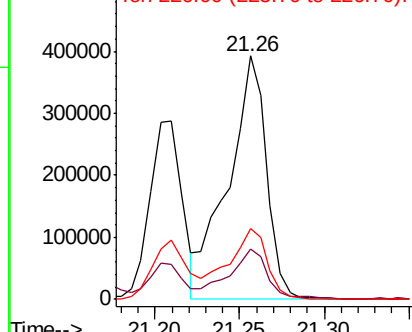
228 100

229 20.8 15.4 23.2

226 29.3 20.9 31.3



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: 30.373 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BM026988.D

Acq: 03 Aug 2020 21:03

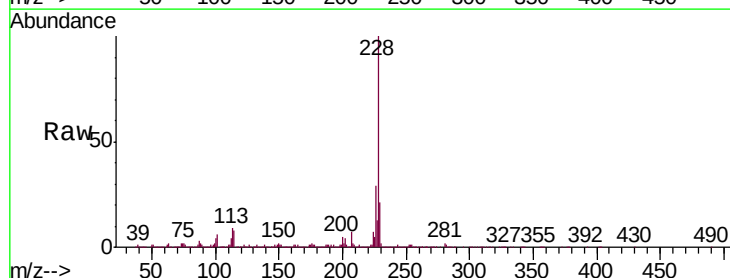
Tgt Ion:228 Resp: 615490

Ion Ratio Lower Upper

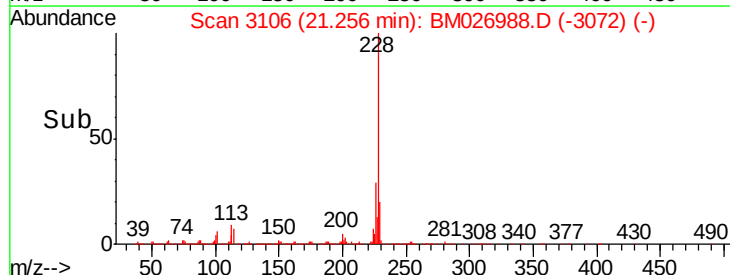
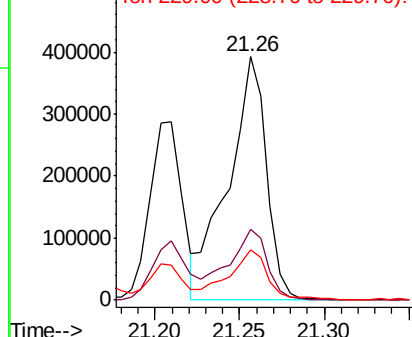
228 100

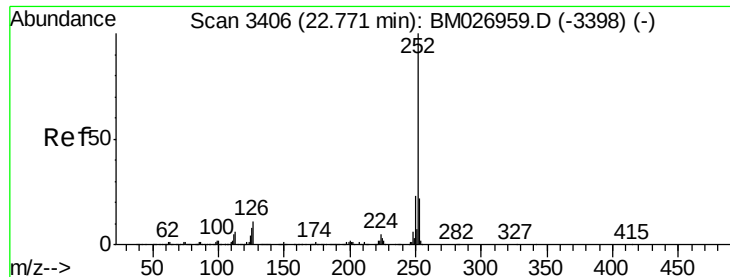
226 29.3 23.2 34.8

229 20.8 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: 58.257 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. 0.00 min

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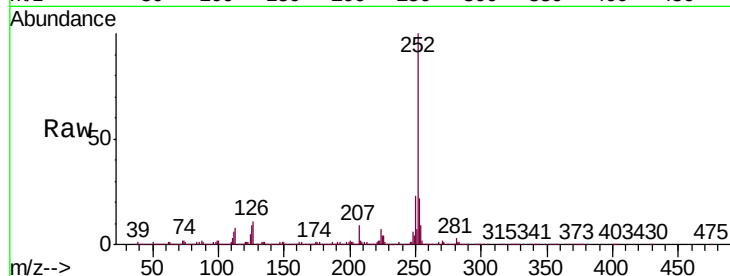
Tgt Ion:252 Resp: 1258350

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

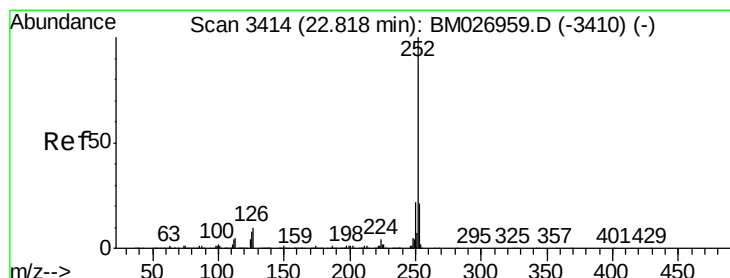
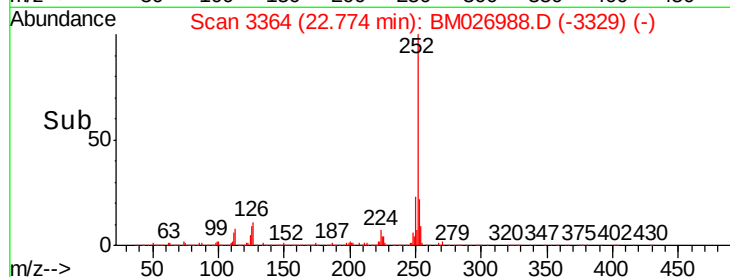
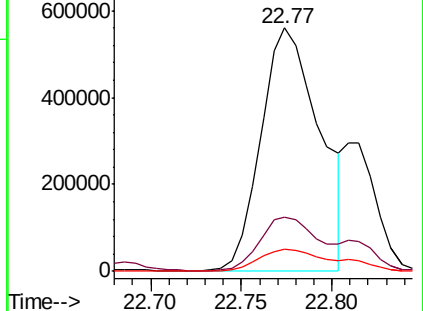
125 9.1 6.6 10.0



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: 60.711 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.04 min

Lab File: BM026988.D

Acq: 03 Aug 2020 21:03

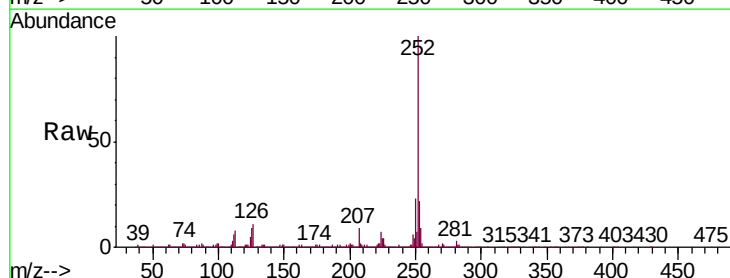
Tgt Ion:252 Resp: 1258350

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

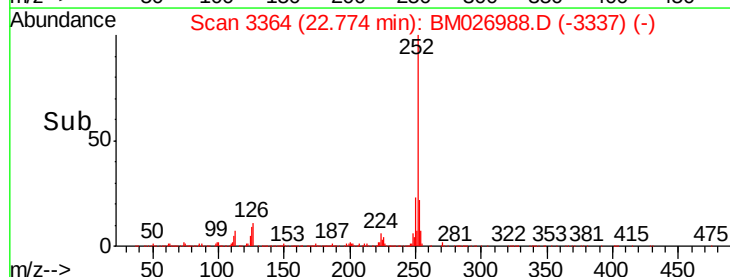
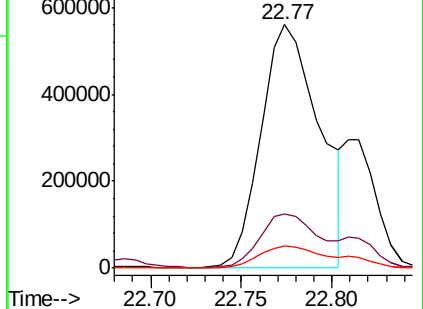
125 9.1 7.3 10.9

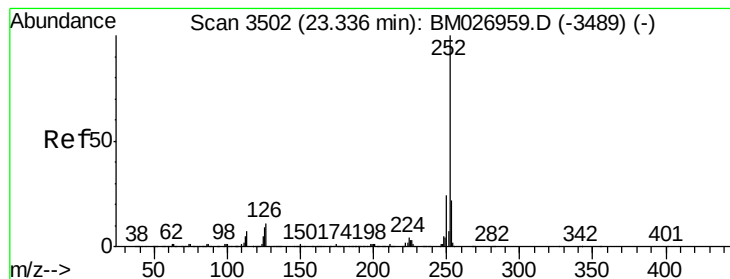


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 19.634 ng/ul

RT: 23.33 min Scan# 3459

Delta R.T. -0.00 min

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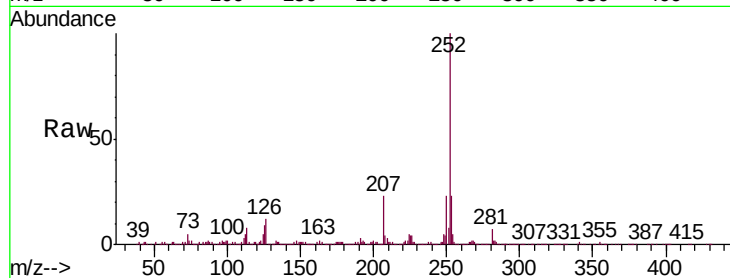
Tgt Ion:252 Resp: 382683

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

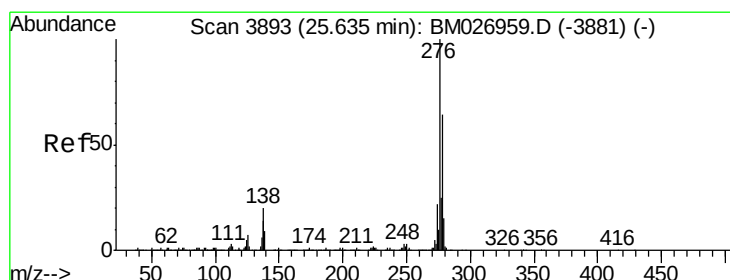
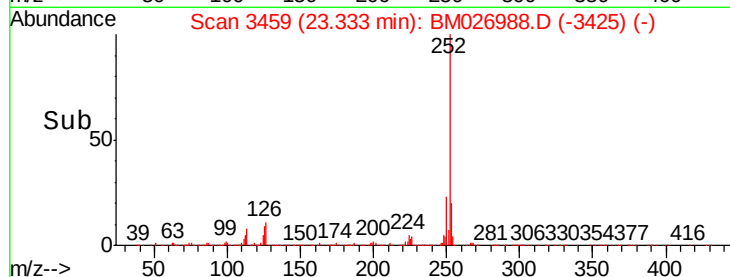
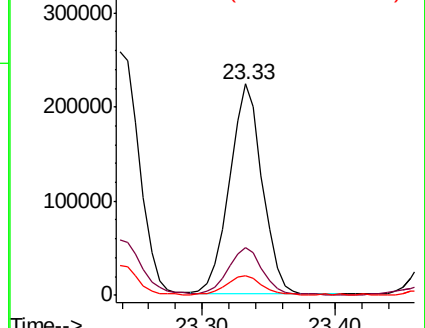
125 9.3 8.2 12.2



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: 20.128 ng/ul

RT: 25.63 min Scan# 3850

Delta R.T. -0.00 min

Lab File: BM026988.D

Acq: 03 Aug 2020 21:03

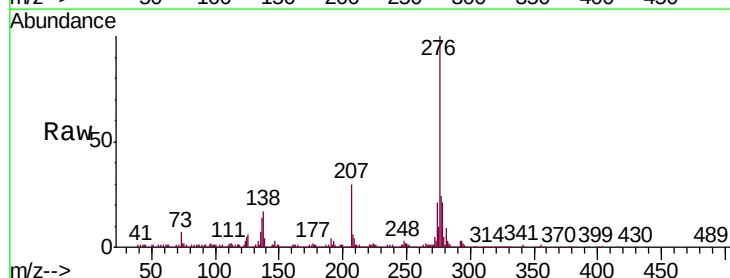
Tgt Ion:276 Resp: 486686

Ion Ratio Lower Upper

276 100

138 17.3 17.0 25.4

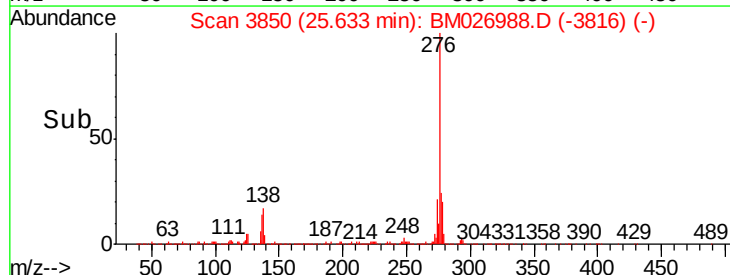
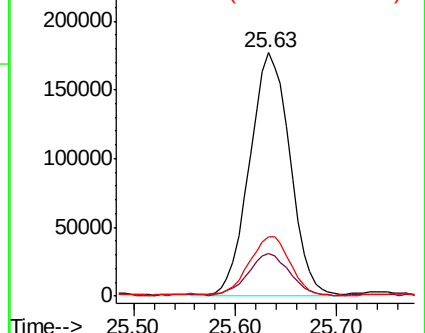
277 24.3 20.6 30.8

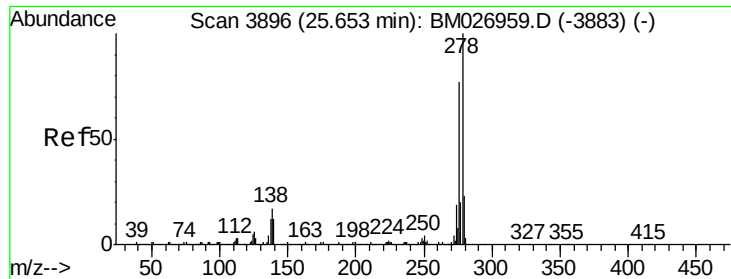


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 5.959 ng/ul

RT: 25.64 min Scan# 3852

Delta R.T. -0.01 min

Lab File: BM026988.D

Acq: 03 Aug 2020 21:03

Instrument :

BNA_M

ClientSampleId :

C0S92DL

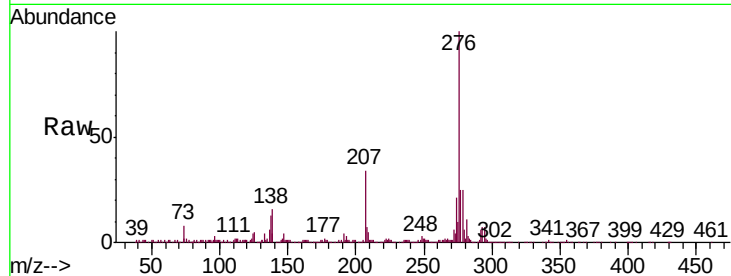
Tgt Ion:278 Resp: 121872

Ion Ratio Lower Upper

278 100

139 15.3 10.9 16.3

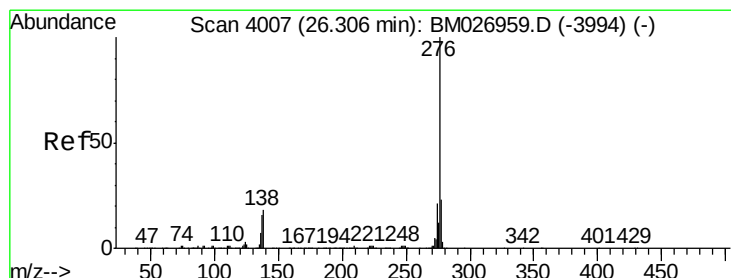
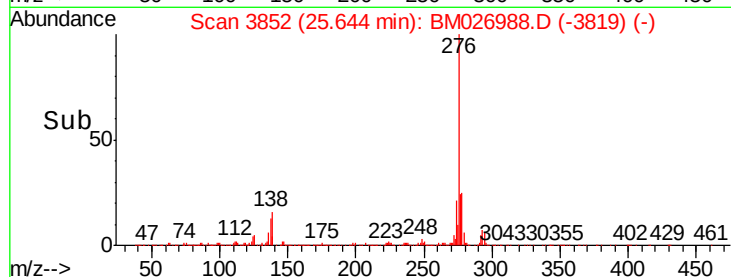
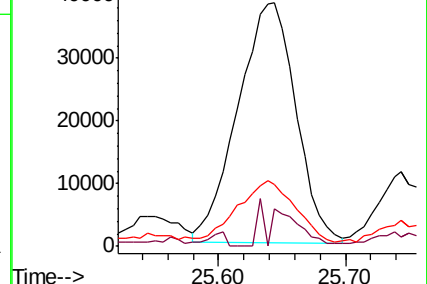
279 25.3 19.4 29.2



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: 6.091 ng/ul

RT: 26.31 min Scan# 3965

Delta R.T. -0.00 min

Lab File: BM026988.D

Acq: 03 Aug 2020 21:03

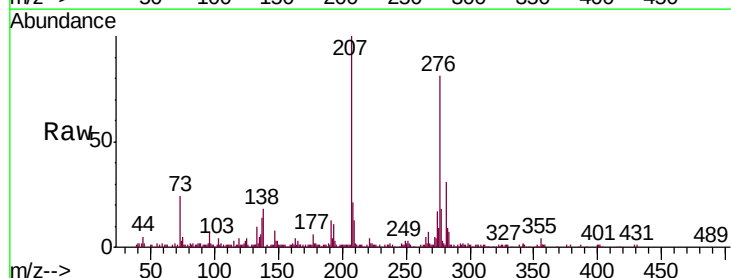
Tgt Ion:276 Resp: 121779

Ion Ratio Lower Upper

276 100

138 22.0 14.9 22.3

277 21.8 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

