

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
 Data File : BM028689.D
 Acq On : 09 Feb 2021 17:53
 Operator : CG/JU
 Sample : M1310-12DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 10 00:06:17 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 09 23:51:34 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	26612	20.00	ng/ul	0.00
18) Naphthalene-d8	10.70	136	104481	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.55	164	57871	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.29	188	115422	20.00	ng/ul	0.00
78) Chrysene-d12	21.44	240	110848	20.00	ng/ul	0.00
86) Perylene-d12	23.68	264	120367	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	720	1.14	ng/uL	0.00
5) Phenol-d5	7.07	99	15772	6.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	10527	7.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	15435	7.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	13512	7.36	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	7218	8.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	7877	8.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.33	165	14107	7.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	13189	6.37	ng/ul	0.00
44) Dimethylphthalate-d6	13.96	166	41926	9.12	ng/ul	0.00
47) Acenaphthylene-d8	14.24	160	53737	9.15	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	3562	4.14	ng/ul	0.00
58) Fluorene-d10	15.54	176	35928	9.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.67	200	4047	5.10	ng/ul	0.00
71) Anthracene-d10	17.39	188	57246	9.63	ng/ul	0.00
79) Pyrene-d10	19.67	212	60956	9.42	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.54	264	64925	9.50	ng/ul	0.01

Target Compounds

				Ovalue	
6) Phenol	7.10	94	2814	1.245 ng/ul#	88
14) Acetophenone	8.73	105	3768	1.388 ng/ul	91
28) Naphthalene	10.75	128	9778	1.625 ng/ul	98
34) 2-Methylnaphthalene	12.37	142	4670	1.170 ng/ul	98
35) 1-Methylnaphthalene	12.59	142	6981	1.499 ng/ul	94
48) Acenaphthylene	14.27	152	38378	6.533 ng/ul	98
50) Acenaphthene	14.61	153	13864	3.321 ng/ul	98
54) Dibenzofuran	14.94	168	24263	4.331 ng/ul	98
59) Fluorene	15.59	166	27273	5.918 ng/ul	98
70) Phenanthrene	17.33	178	1217035	170.768 ng/ul	99
72) Anthracene	17.42	178	247684	34.047 ng/ul	99
75) Carbazole	17.69	167	161599	26.136 ng/ul	100
77) Fluoranthene	19.34	202	2183533	281.575 ng/ul	97
80) Pyrene	19.70	202	1895460	221.031 ng/ul	97
83) Benzo(a)anthracene	21.43	228	1001845	130.046 ng/ul	98
85) Chrysene	21.48	228	1031158	138.047 ng/ul	97
88) Benzo(b)fluoranthene	23.02	252	1102183	135.260 ng/ul#	98
89) Benzo(k)fluoranthene	23.02	252	1102183	138.153 ng/ul	98
91) Benzo(a)pyrene	23.60	252	736615	97.909 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.96	276	492088	53.655 ng/ul	97
93) Dibenzo(a,h)anthracene	25.96	278	152947	19.787 ng/ul#	81
94) Benzo(a,h,i)perylene	26.67	276	401592	52.481 ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 09 23:51:34 2021
Response via : Initial Calibration

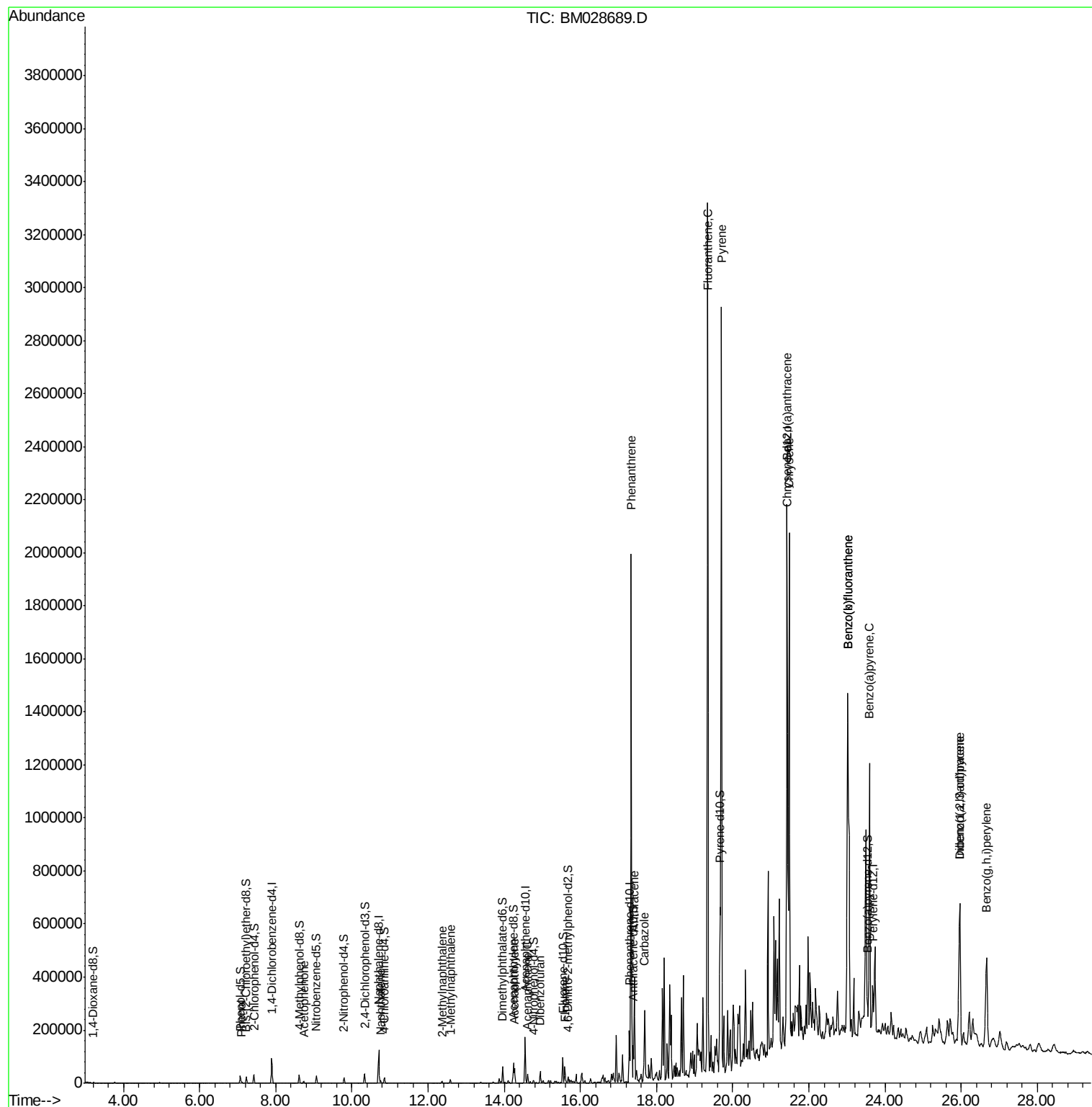
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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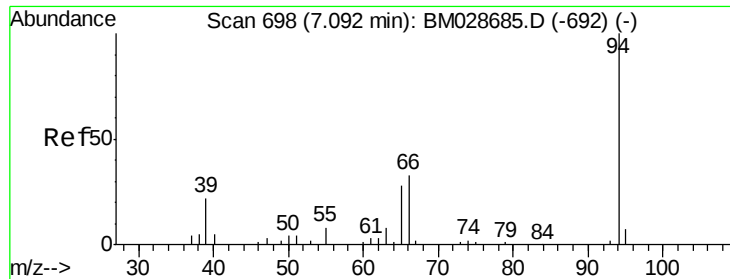
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 09 23:51:34 2021
Response via : Initial Calibration





#6

Phenol

Concen: 1.245 ng/ul

RT: 7.10 min Scan# 699

Delta R.T. 0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

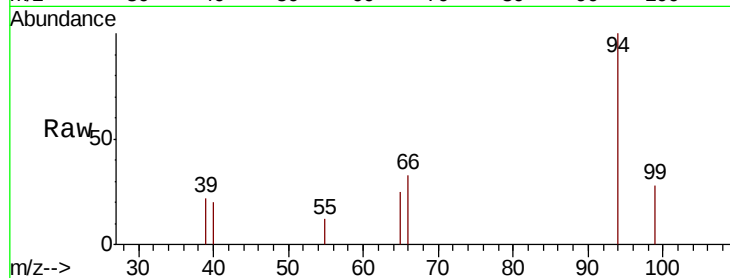
Instrument :

BNA_M

ClientSampleId :

Tot Ion: 94 Resp: 2814

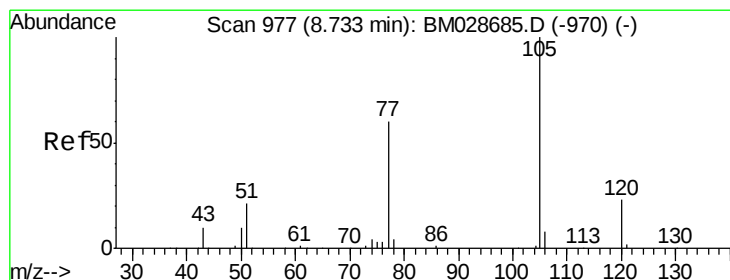
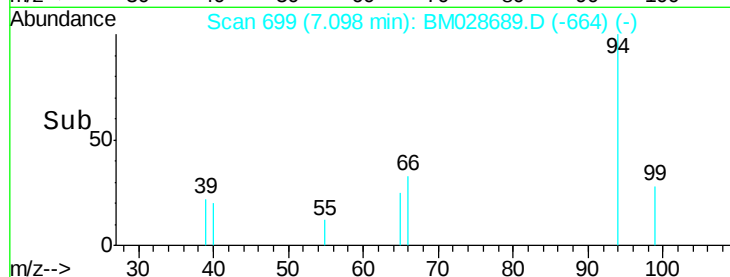
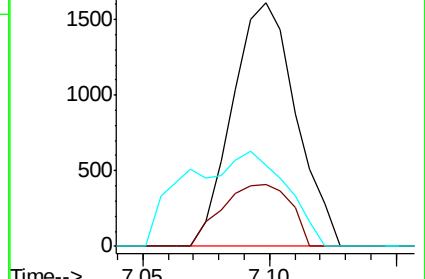
Ion	Ratio	Lower	Upper
94	100		
65	25.3	25.6	38.4#
66	33.4	33.0	49.4



Abundance Ion 94.00 (93.70 to 94.70): BM028685.D (-692) (-)

Ion 65.00 (64.70 to 65.70): BM028685.D (-692) (-)

Ion 66.00 (65.70 to 66.70): BM028685.D (-692) (-)



#14

Acetophenone

Concen: 1.388 ng/ul

RT: 8.73 min Scan# 977

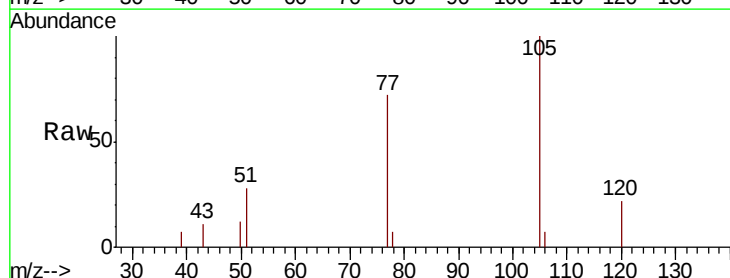
Delta R.T. 0.00 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Tgt Ion: 105 Resp: 3768

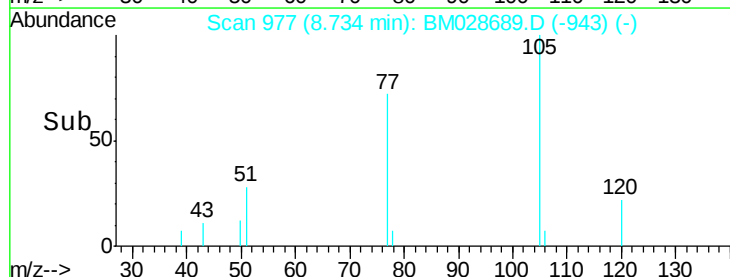
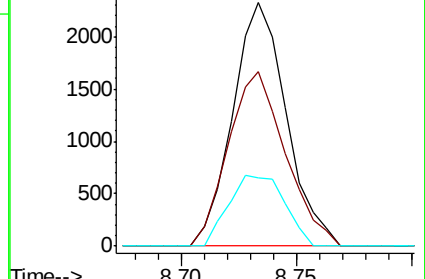
Ion	Ratio	Lower	Upper
105	100		
77	71.9	63.2	94.8
51	27.8	27.6	41.4

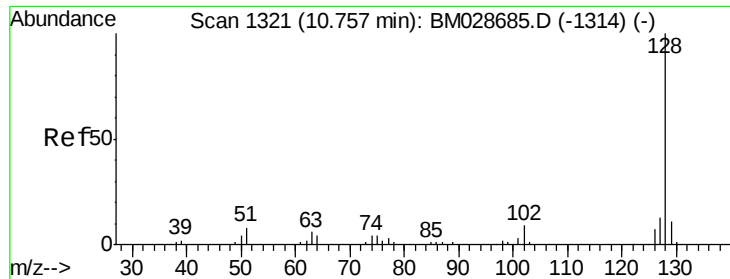


Abundance Ion 105.00 (104.70 to 105.70): BM028685.D (-970) (-)

Ion 77.00 (76.70 to 77.70): BM028685.D (-970) (-)

Ion 51.00 (50.70 to 51.70): BM028685.D (-970) (-)





#28

Naphthalene

Concen: 1.625 ng/ul

RT: 10.75 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Instrument :

BNA_M

ClientSampleId :

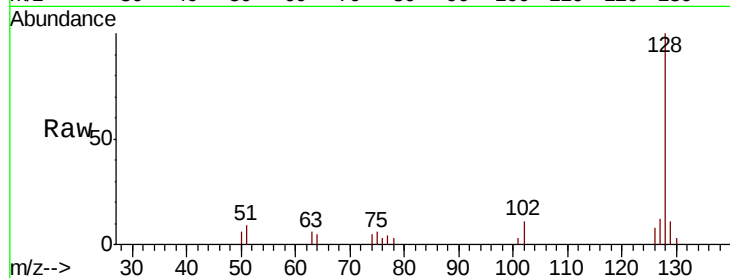
Tot Ion:128 Resp: 9778

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

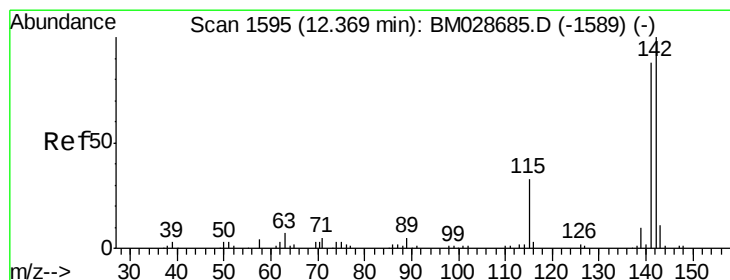
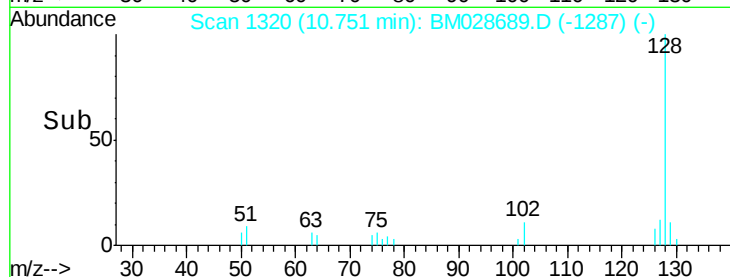
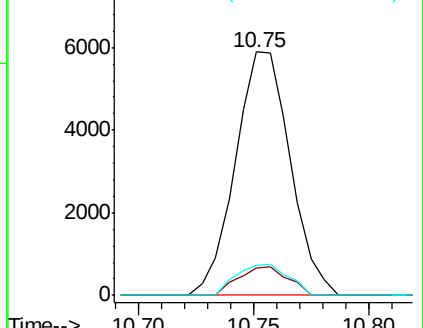
127 12.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.170 ng/ul

RT: 12.37 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BM028689.D

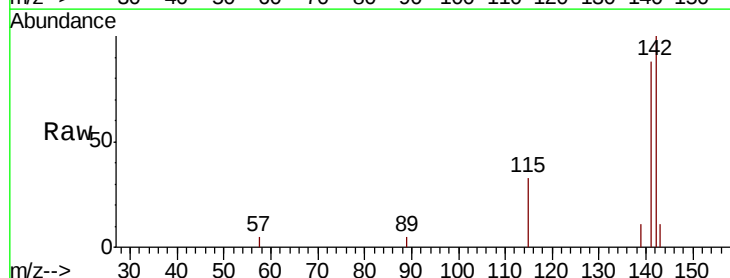
Acq: 09 Feb 2021 17:53

Tgt Ion:142 Resp: 4670

Ion Ratio Lower Upper

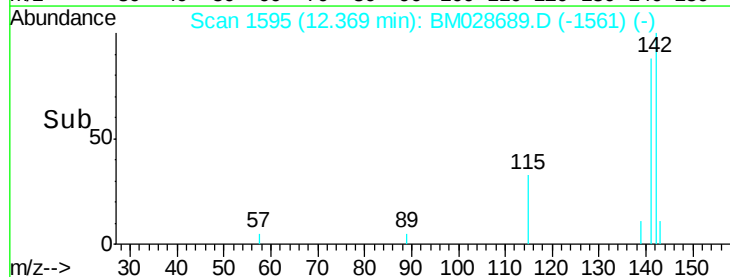
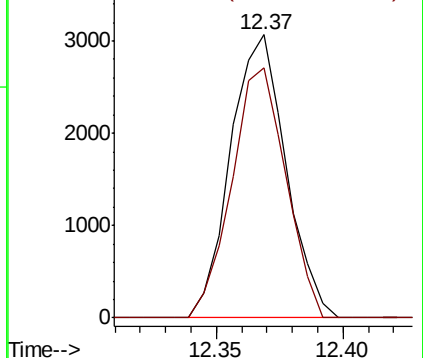
142 100

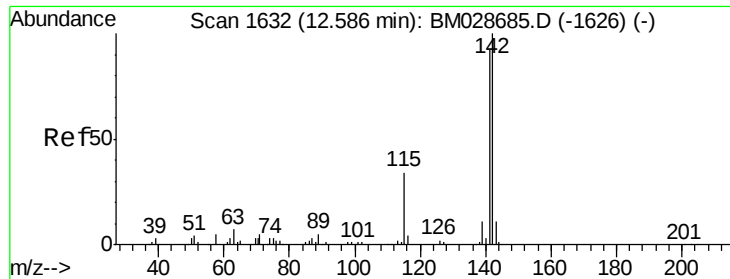
141 88.2 71.9 107.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

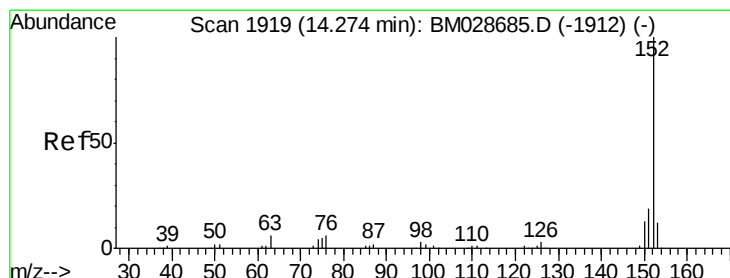
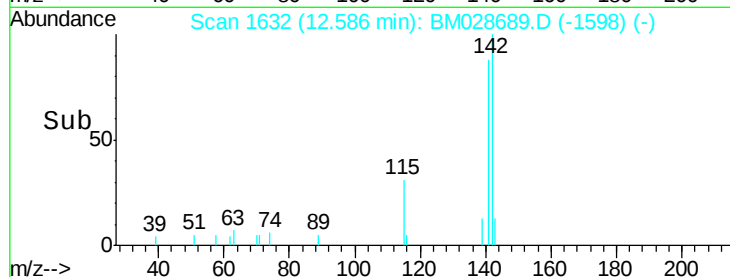
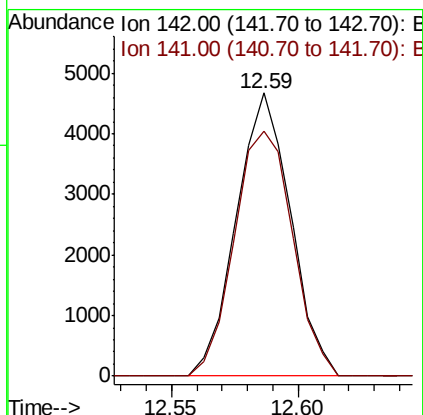
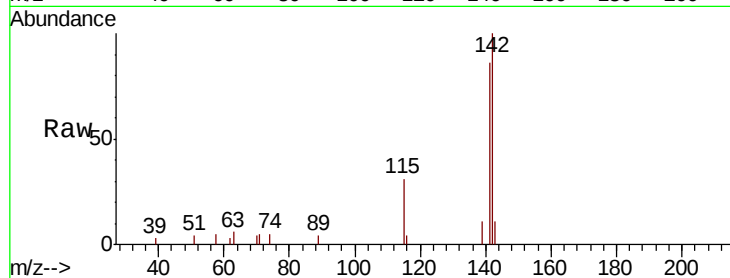




#35
 1-Methylnaphthalene
 Concen: 1.499 ng/ul
 RT: 12.59 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: BM028689.D
 Acq: 09 Feb 2021 17:53

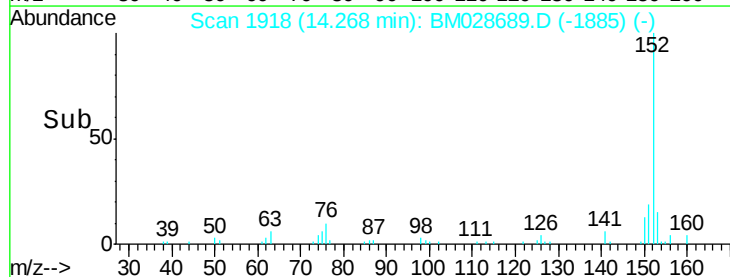
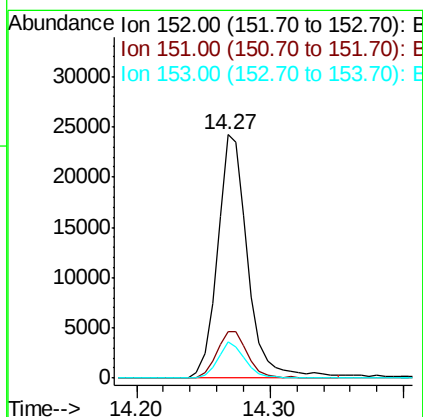
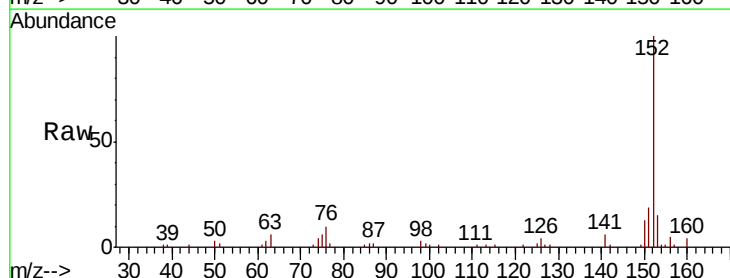
Instrument :
 BNA_M
 ClientSampled :

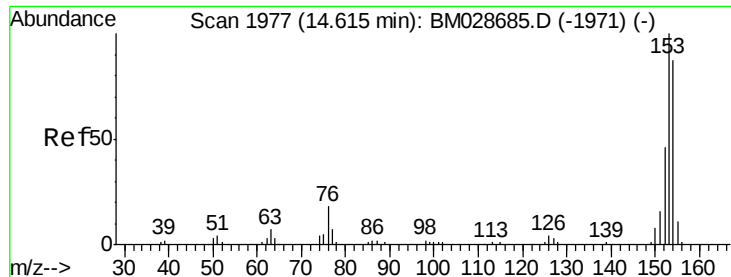
Tot Ion:142 Resp: 6981
 Ion Ratio Lower Upper
 142 100
 141 86.5 73.8 110.6



#48
 Acenaphthylene
 Concen: 6.533 ng/ul
 RT: 14.27 min Scan# 1918
 Delta R.T. -0.01 min
 Lab File: BM028689.D
 Acq: 09 Feb 2021 17:53

Tgt Ion:152 Resp: 38378
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.4 23.0
 153 14.8 10.4 15.6





#50

Acenaphthene

Concen: 3.321 ng/ul

RT: 14.61 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Instrument :

BNA_M

ClientSampleId :

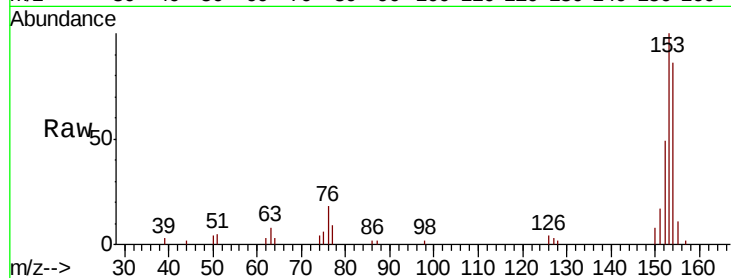
Tot Ion:153 Resp: 13864

Ion Ratio Lower Upper

153 100

152 48.5 37.0 55.6

154 86.4 70.4 105.6



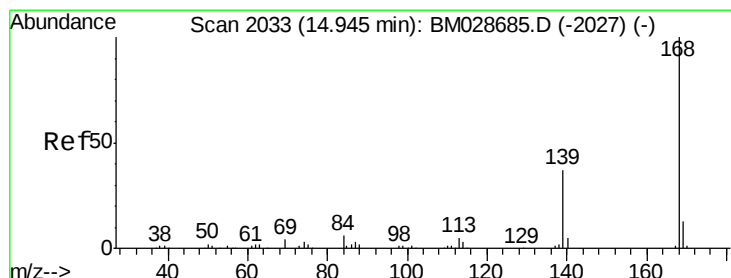
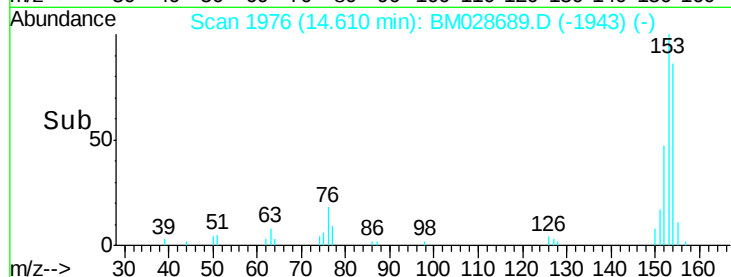
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.61

Time--> 14.55 14.60 14.65



#54

Dibenzofuran

Concen: 4.331 ng/ul

RT: 14.94 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BM028689.D

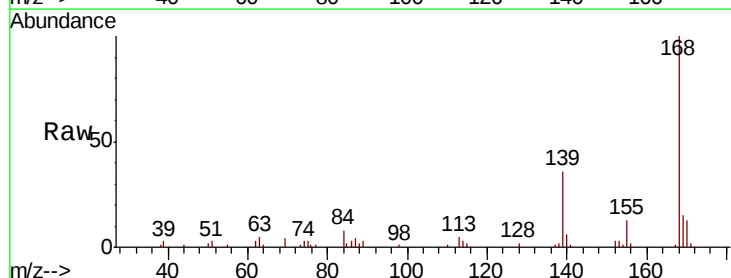
Acq: 09 Feb 2021 17:53

Tgt Ion:168 Resp: 24263

Ion Ratio Lower Upper

168 100

139 36.5 30.2 45.2

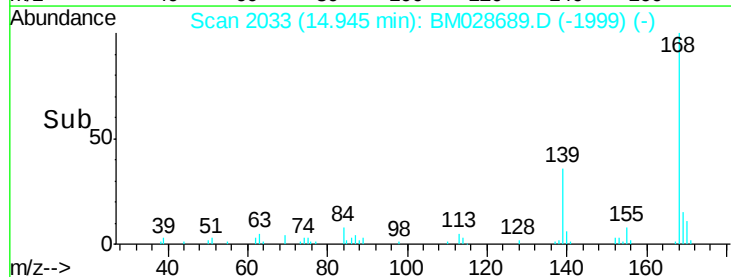


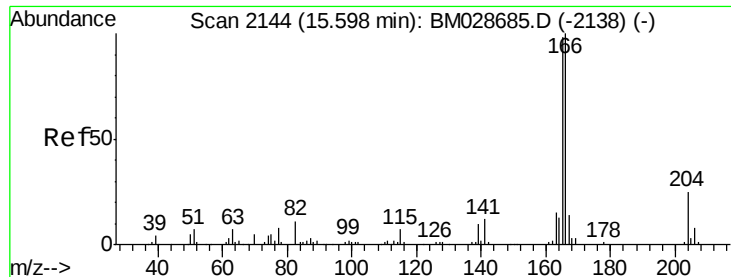
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.94

Time--> 14.90 14.95 15.00





#59

Fluorene

Concen: 5.918 ng/ul

RT: 15.59 min Scan# 2143

Delta R.T. -0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Instrument :

BNA_M

ClientSampled :

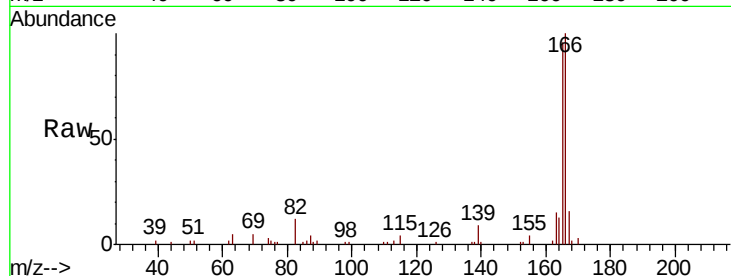
Tot Ion:166 Resp: 27273

Ion Ratio Lower Upper

166 100

165 96.3 78.0 117.0

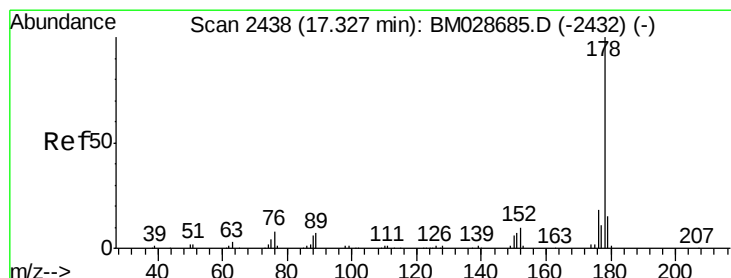
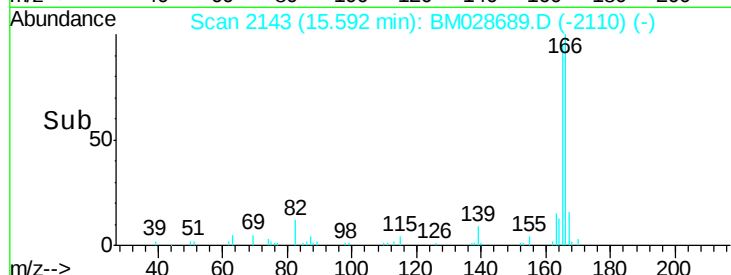
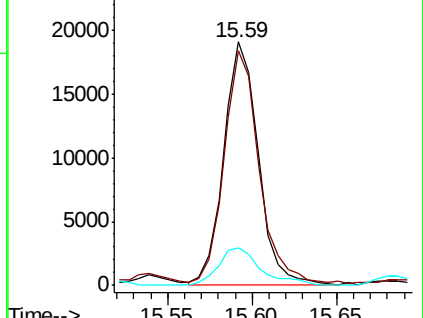
167 15.5 11.0 16.4



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: 170.768 ng/ul

RT: 17.33 min Scan# 2439

Delta R.T. 0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

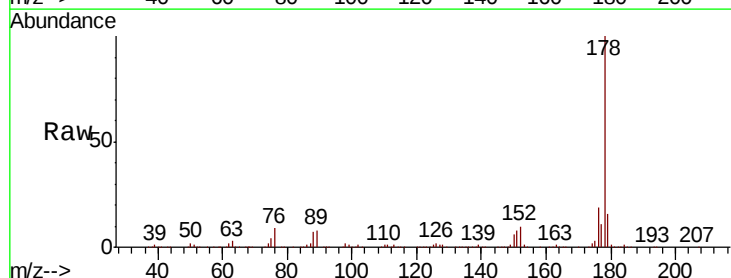
Tgt Ion:178 Resp: 1217035

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

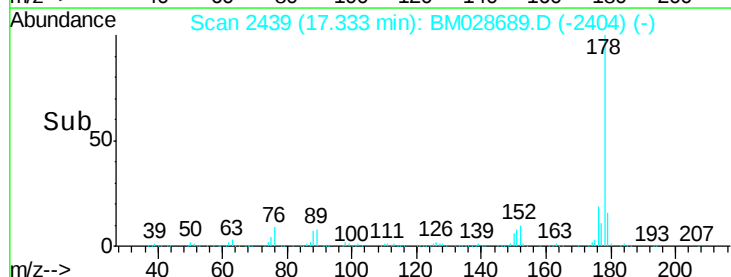
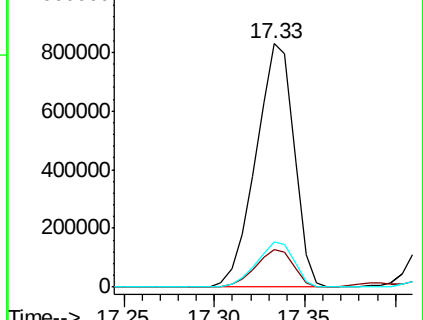
176 18.8 14.6 22.0

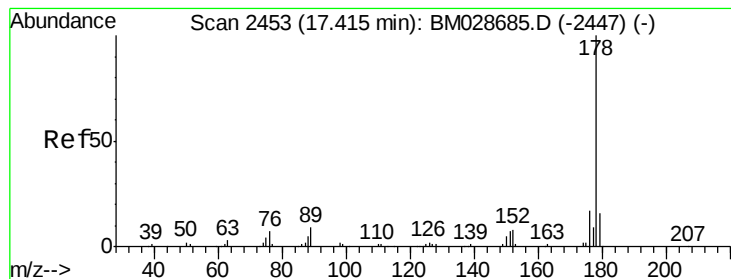


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 34.047 ng/ul

RT: 17.42 min Scan# 2454

Delta R.T. 0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

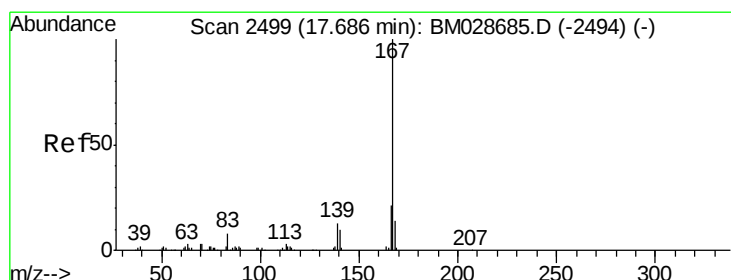
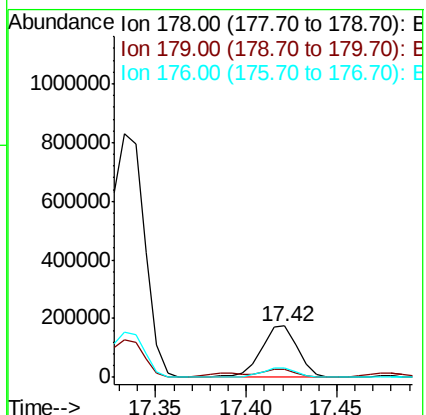
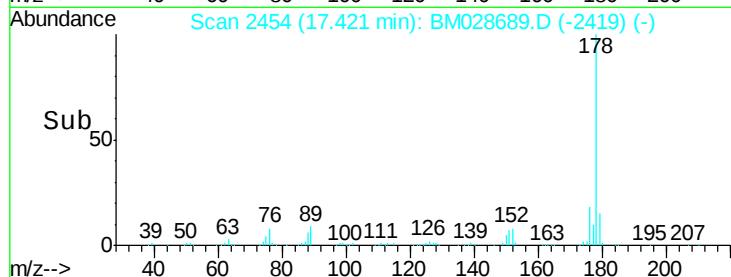
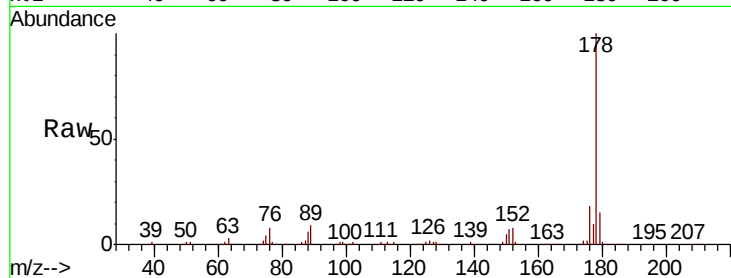
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 247684

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	17.9	14.2	21.2



#75

Carbazole

Concen: 26.136 ng/ul

RT: 17.69 min Scan# 2499

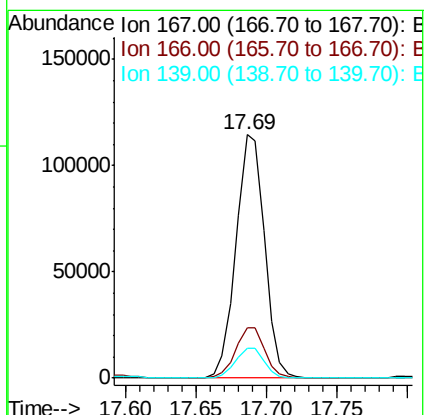
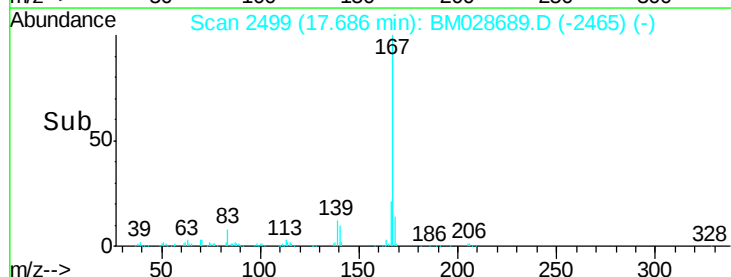
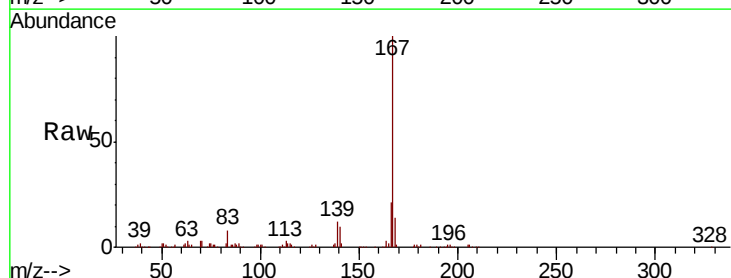
Delta R.T. 0.00 min

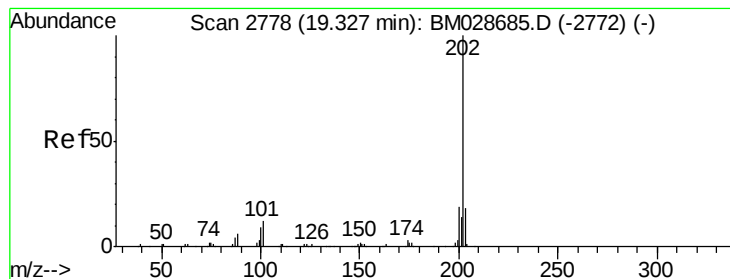
Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Tgt Ion:167 Resp: 161599

Ion	Ratio	Lower	Upper
167	100		
166	20.9	16.7	25.1
139	12.5	10.2	15.4





#77

Fluoranthene

Concen: 281.575 ng/ul

RT: 19.34 min Scan# 2781

Delta R.T. 0.02 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Instrument :

BNA_M

ClientSampleId :

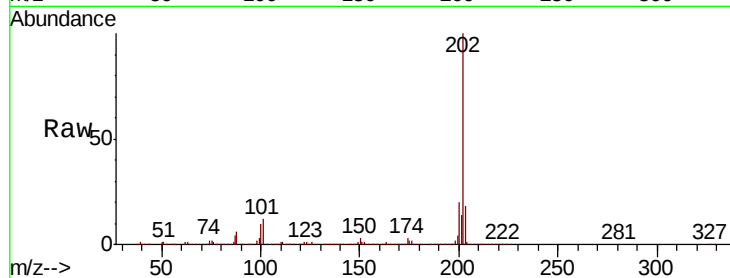
Tot Ion:202 Resp: 2183533

Ion Ratio Lower Upper

202 100

101 12.4 8.9 13.3

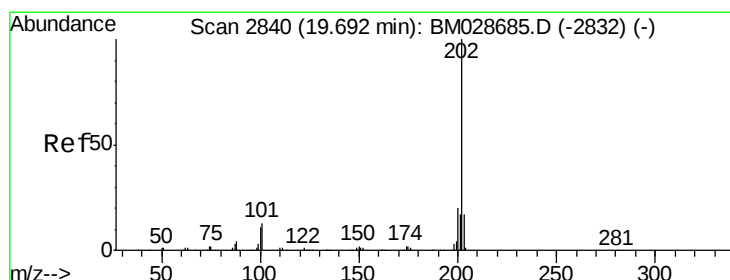
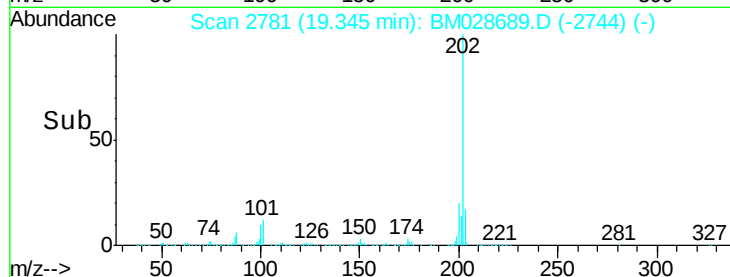
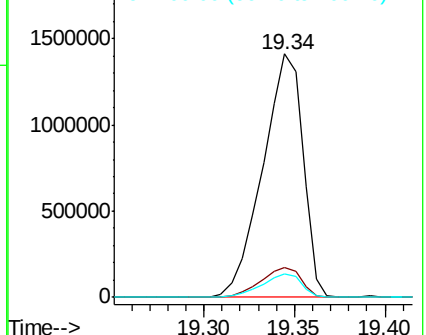
100 9.8 7.0 10.6



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: 221.031 ng/ul

RT: 19.70 min Scan# 2842

Delta R.T. 0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

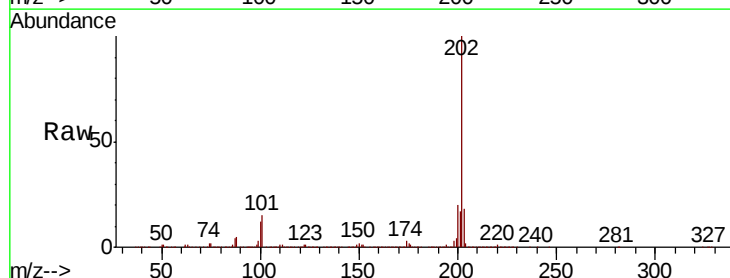
Tgt Ion:202 Resp: 1895460

Ion Ratio Lower Upper

202 100

101 14.7 10.6 15.8

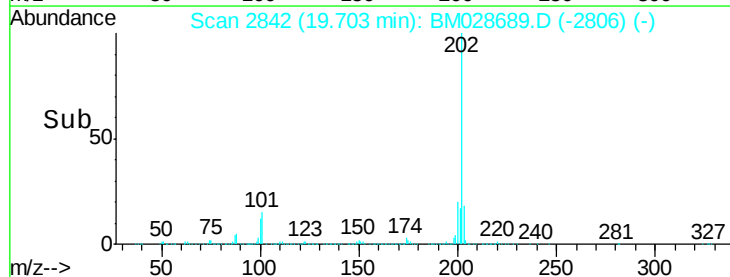
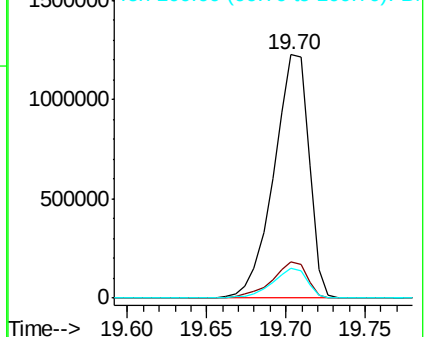
100 12.3 8.9 13.3

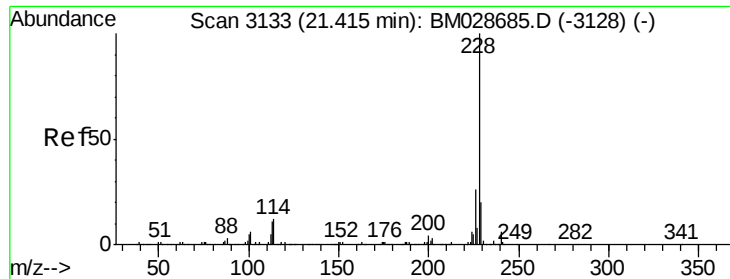


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 130.046 ng/ul

RT: 21.43 min Scan# 3135

Delta R.T. 0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Instrument :

BNA_M

ClientSampleId :

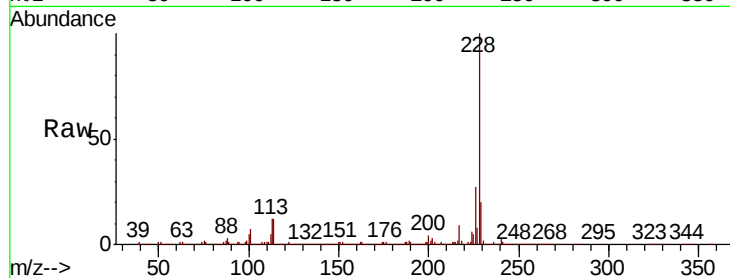
Tot Ion:228 Resp: 1001845

Ion Ratio Lower Upper

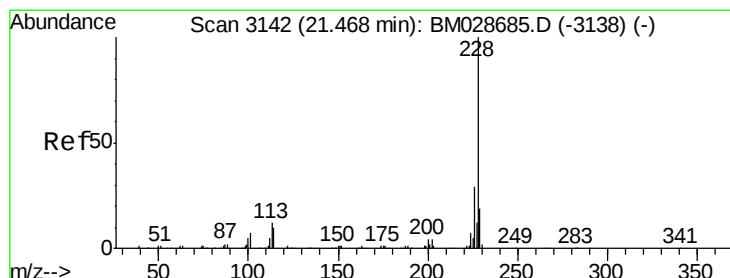
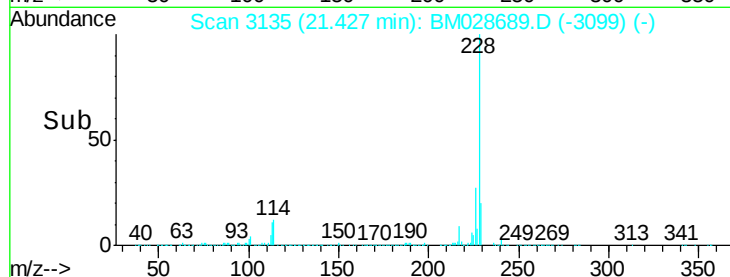
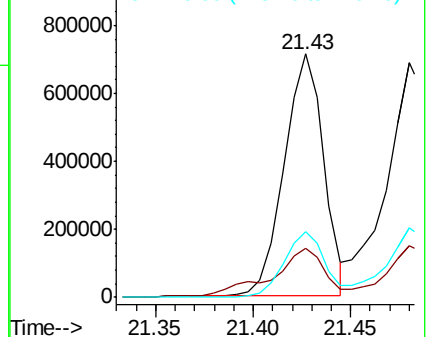
228 100

229 20.2 15.4 23.2

226 27.1 20.6 30.8



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: 138.047 ng/ul

RT: 21.48 min Scan# 3144

Delta R.T. 0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

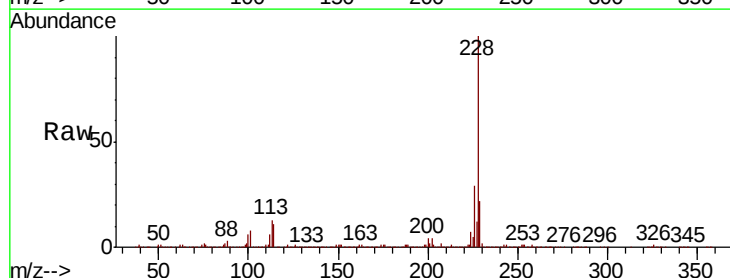
Tgt Ion:228 Resp: 1031158

Ion Ratio Lower Upper

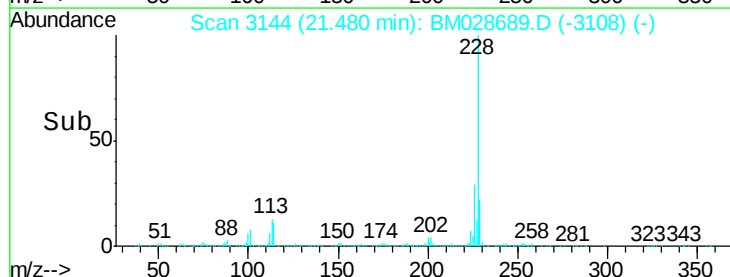
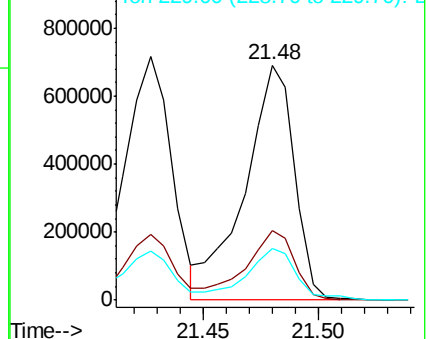
228 100

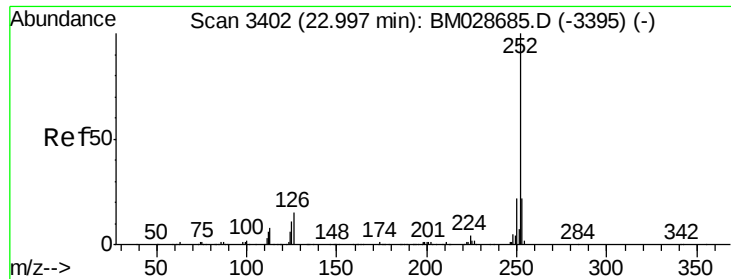
226 29.5 22.8 34.2

229 22.2 15.7 23.5



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

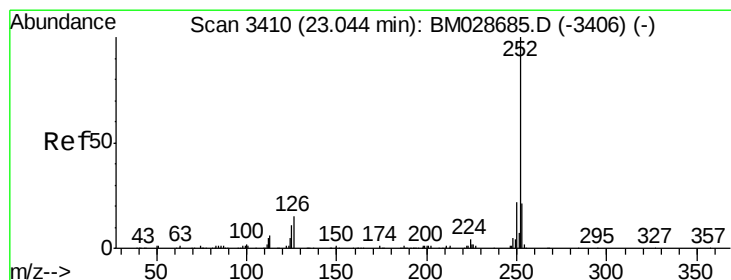
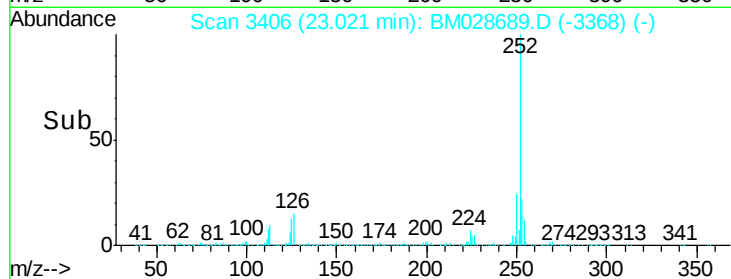
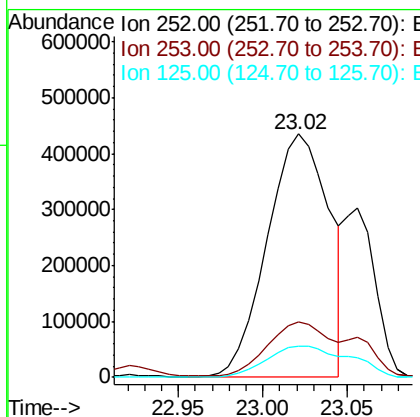
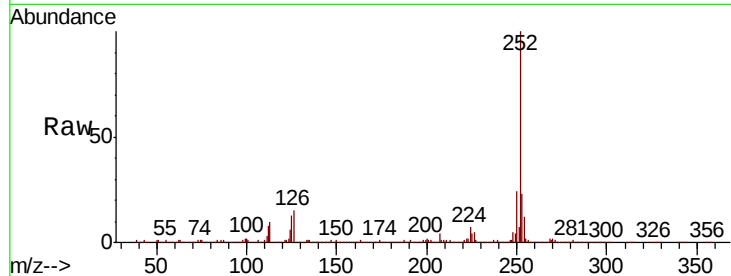




#88
Benzo(b)fluoranthene
Concen: 135.260 ng/ul
RT: 23.02 min Scan# 3406
Delta R.T. 0.02 min
Lab File: BM028689.D
Acq: 09 Feb 2021 17:53

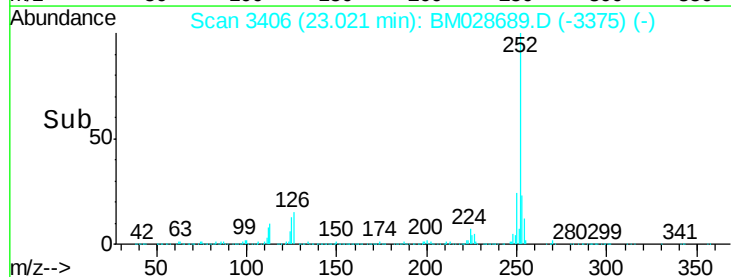
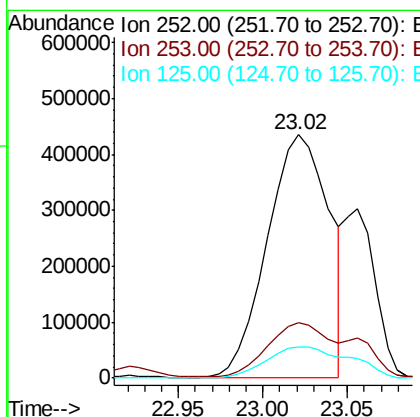
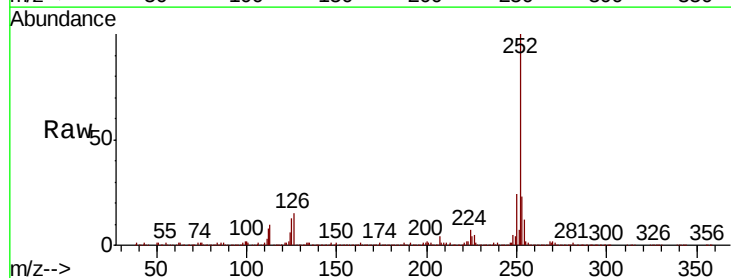
Instrument :
BNA_M
ClientSampled :

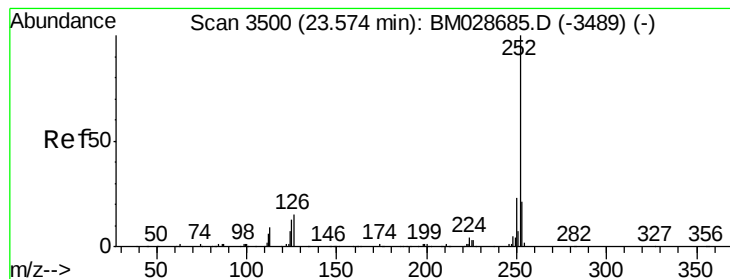
Tot Ion:252 Resp: 1102183
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 13.0 8.6 12.8#



#89
Benzo(k)fluoranthene
Concen: 138.153 ng/ul
RT: 23.02 min Scan# 3406
Delta R.T. -0.02 min
Lab File: BM028689.D
Acq: 09 Feb 2021 17:53

Tgt Ion:252 Resp: 1102183
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 13.0 9.7 14.5

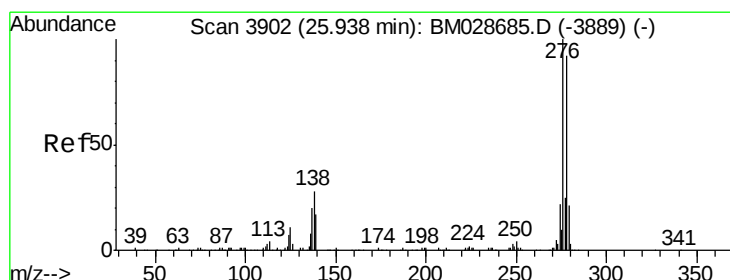
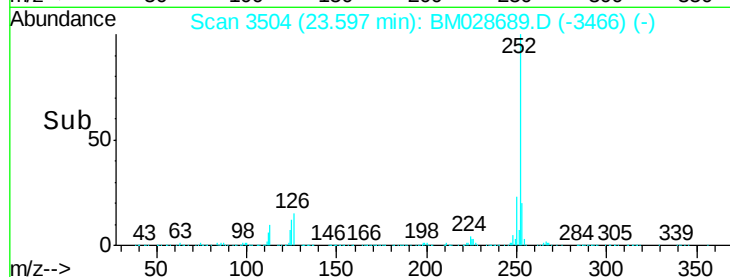
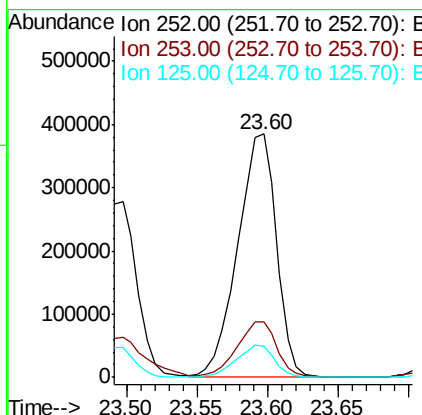
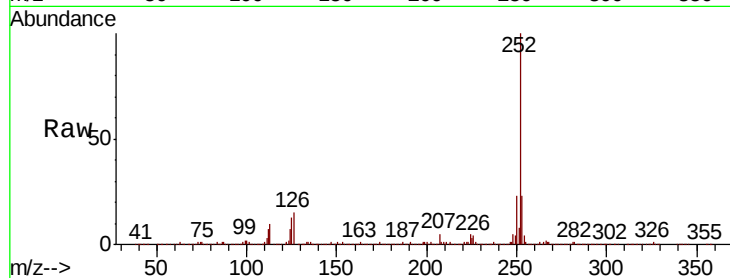




#91
Benzo(a)pyrene
Concen: 97.909 ng/u1
RT: 23.60 min Scan# 3504
Delta R.T. 0.02 min
Lab File: BM028689.D
Acq: 09 Feb 2021 17:53

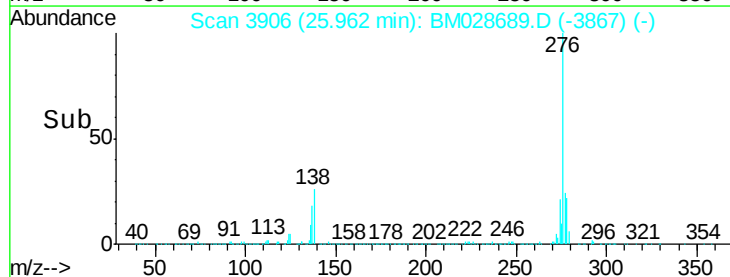
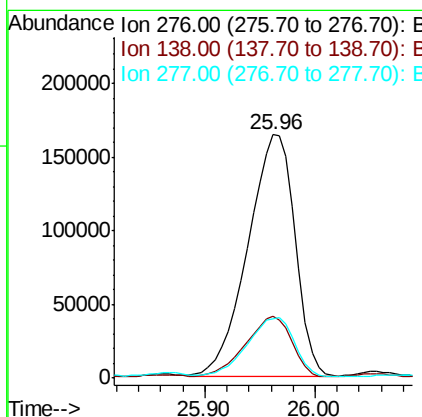
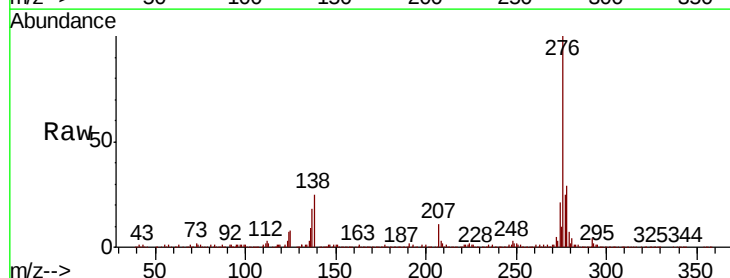
Instrument :
BNA_M
ClientSampled :

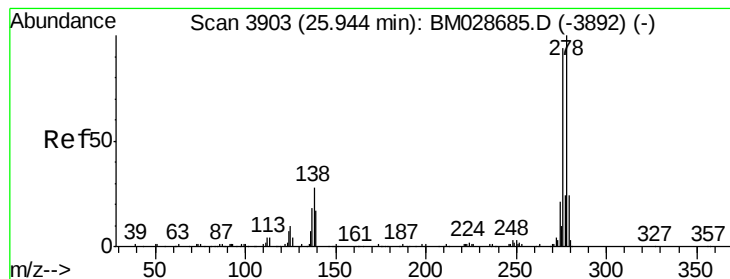
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	12.6	10.0	15.0



#92
Indeno(1,2,3-cd)pyrene
Concen: 53.655 ng/u1
RT: 25.96 min Scan# 3906
Delta R.T. 0.03 min
Lab File: BM028689.D
Acq: 09 Feb 2021 17:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	22.2	33.4
277	24.6	19.8	29.8





#93

Dibenzo(a,h)anthracene

Concen: 19.787 ng/ul

RT: 25.96 min Scan# 3906

Delta R.T. 0.02 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Instrument :

BNA_M

ClientSampleId :

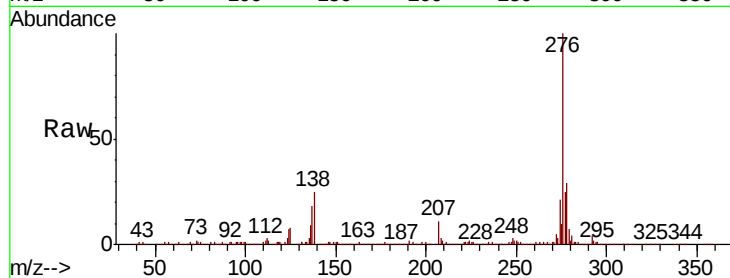
Tot Ion:278 Resp: 152947

Ion Ratio Lower Upper

278 100

139 0.0 14.5 21.7#

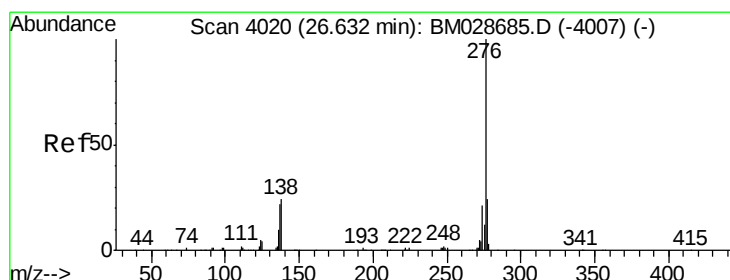
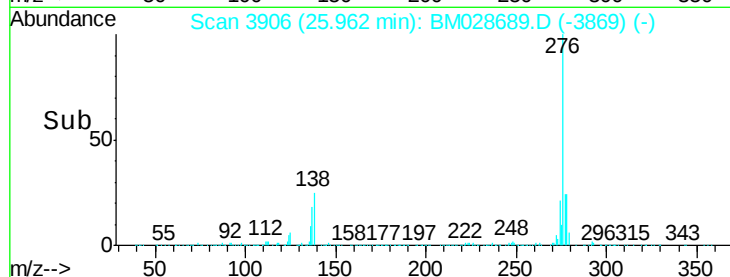
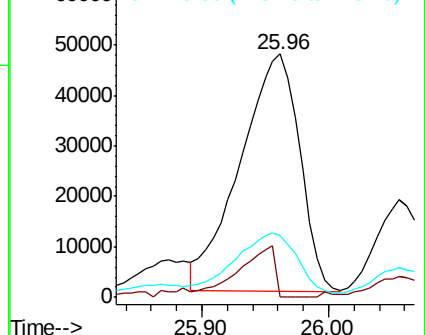
279 25.2 19.3 28.9



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: 52.481 ng/ul

RT: 26.67 min Scan# 4026

Delta R.T. 0.04 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

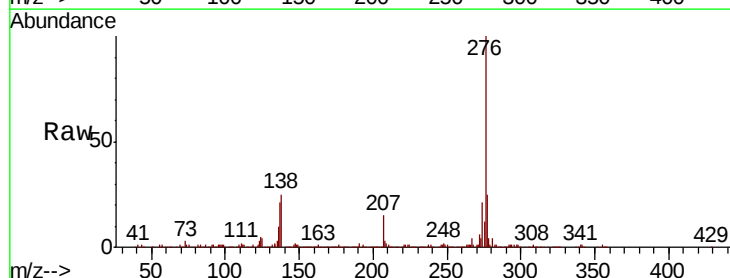
Tgt Ion:276 Resp: 401592

Ion Ratio Lower Upper

276 100

138 25.3 18.5 27.7

277 24.7 18.6 27.8



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

