

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122120\
 Data File : BM028214.D
 Acq On : 21 Dec 2020 18:39
 Operator : JU/CG
 Sample : L5110-18
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A54M7

Quant Time: Dec 22 00:26:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 22 00:19:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	135944	20.00	ng/ul	0.00
18) Naphthalene-d8	11.03	136	542170	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.83	164	288834	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	555152	20.00	ng/ul	0.00
78) Chrysene-d12	21.66	240	511368	20.00	ng/ul	0.00
86) Perylene-d12	24.03	264	535576	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	6305	1.84	ng/uL	0.00
5) Phenol-d5	7.34	99	118663	10.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.52	67	76768	10.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	104086	10.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.90	113	88912	9.52	ng/ul	0.00
19) Nitrobenzene-d5	9.37	128	45851	10.78	ng/ul	0.00
22) 2-Nitrophenol-d4	10.10	143	46836	10.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.64	165	83842	9.57	ng/ul	0.00
29) 4-Chloroaniline-d4	11.16	131	99974	9.62	ng/ul	0.00
44) Dimethylphthalate-d6	14.23	166	242208	10.88	ng/ul	0.00
47) Acenaphthylene-d8	14.53	160	311589	11.16	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	14502	3.58	ng/ul	0.00
58) Fluorene-d10	15.81	176	210067	10.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.92	200	14372	4.35	ng/ul	0.00
71) Anthracene-d10	17.64	188	306084	11.11	ng/ul	0.00
79) Pyrene-d10	19.90	212	334875	11.74	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.88	264	337302	11.43	ng/ul	0.00

Target Compounds

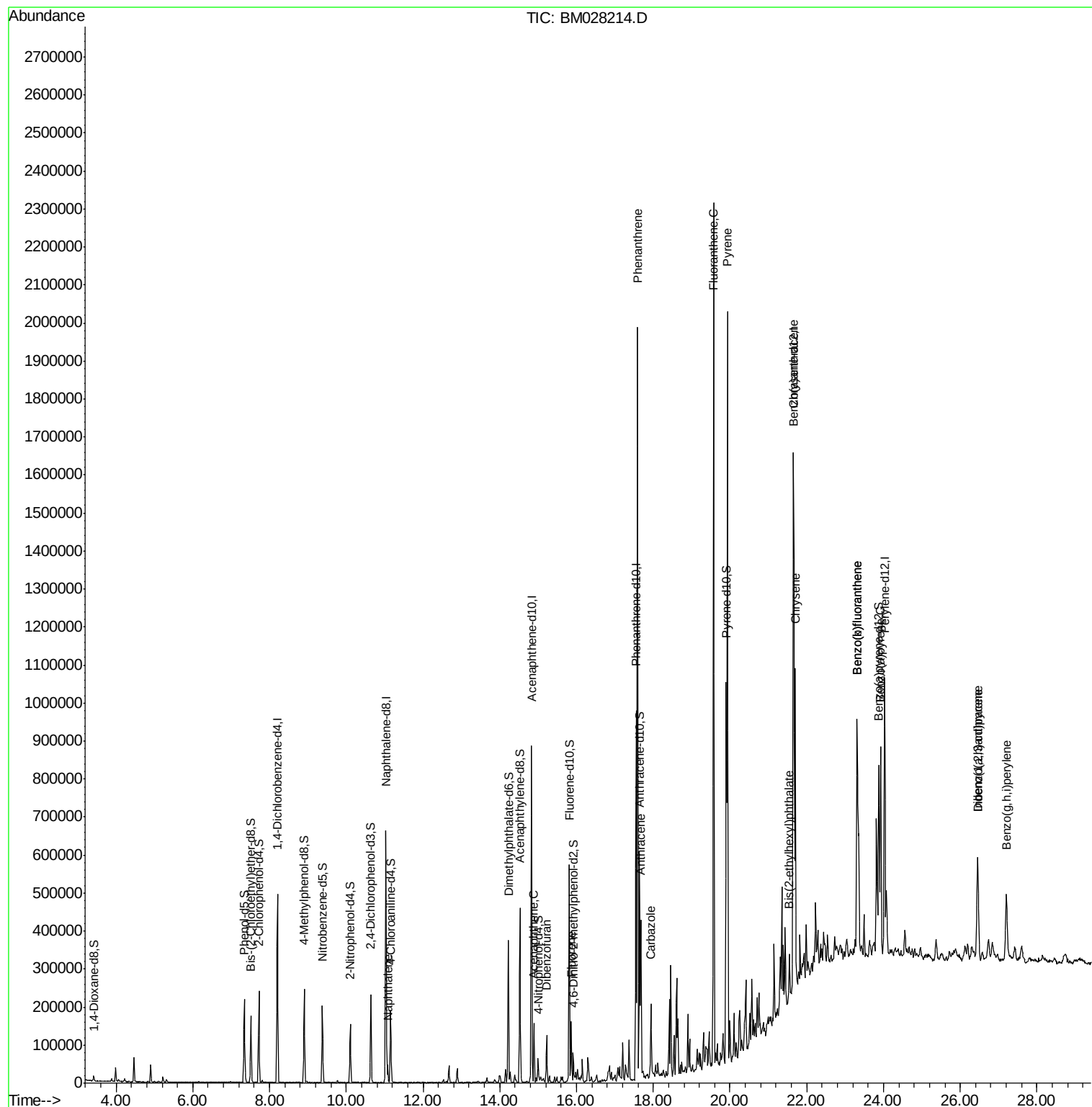
					Ovalue
28) Naphthalene	11.08	128	37695	1.226 ng/ul	97
50) Acenaphthene	14.89	153	58337	2.872 ng/ul	99
54) Dibenzofuran	15.22	168	66577	2.395 ng/ul	96
59) Fluorene	15.86	166	64285	2.770 ng/ul	99
70) Phenanthrene	17.59	178	1116377	33.217 ng/ul	100
72) Anthracene	17.68	178	247744	7.244 ng/ul	99
75) Carbazole	17.94	167	113114	3.965 ng/ul	99
77) Fluoranthene	19.57	202	1261550	35.565 ng/ul	98
80) Pyrene	19.93	202	1100557	28.559 ng/ul	100
83) Benzo(a)anthracene	21.64	228	514524	15.011 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.55	149	24292	1.183 ng/ul	97
85) Chrysene	21.70	228	462976	13.744 ng/ul	97
88) Benzo(b)fluoranthene	23.32	252	537746	14.850 ng/ul	97
89) Benzo(k)fluoranthene	23.32	252	537746	14.973 ng/ul	97
91) Benzo(a)pyrene	23.93	252	396904	12.161 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	26.46	276	250070	6.709 ng/ul#	93
93) Dibenzo(a,h)anthracene	26.46	278	63262	2.002 ng/ul#	79
94) Benzo(g,h,i)perylene	27.20	276	206658	6.601 ng/ul	99

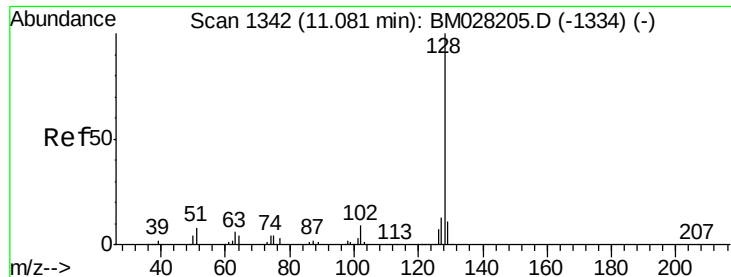
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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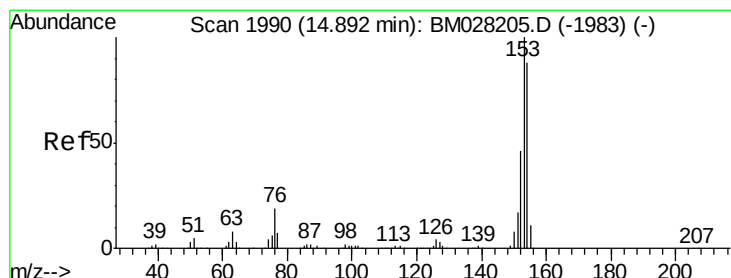
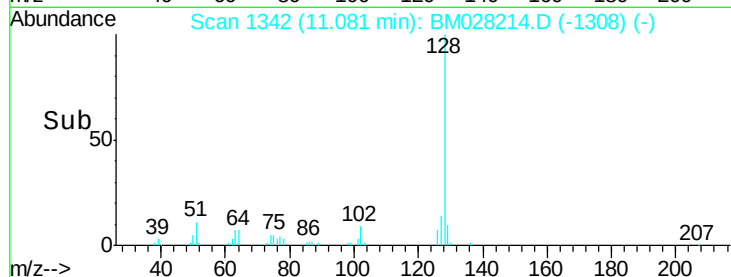
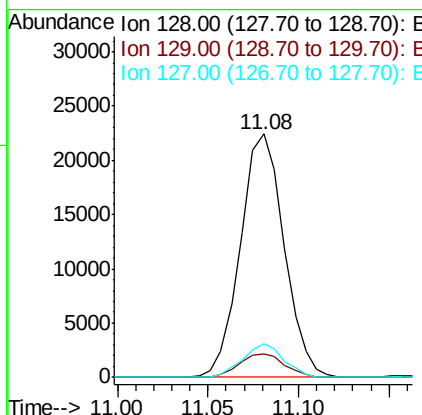
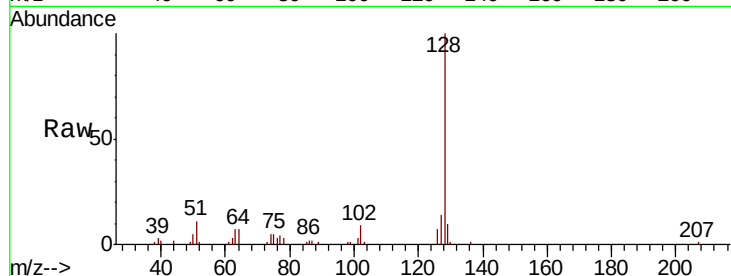




#28
Naphthalene
Concen: 1.226 ng/ul
RT: 11.08 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BM028214.D
Acq: 21 Dec 2020 18:39

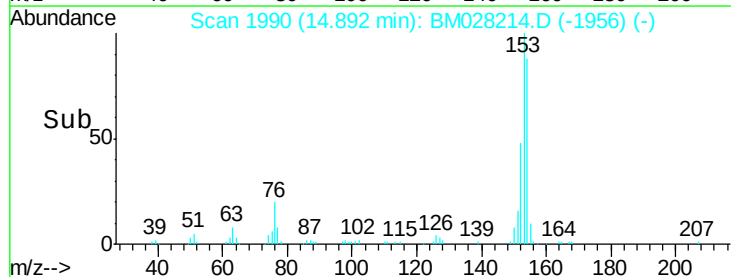
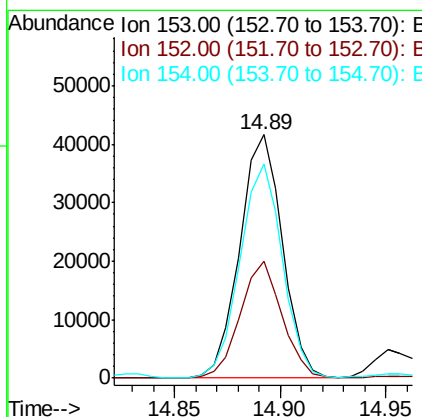
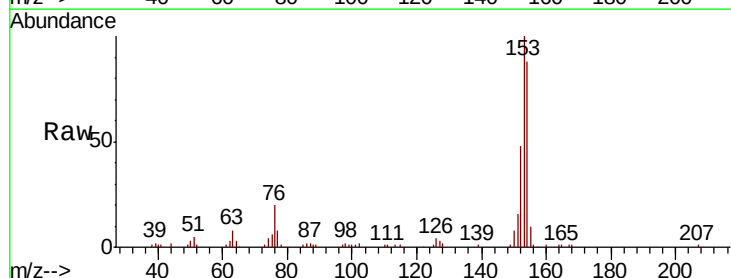
Instrument :
BNA_M
ClientSampleId :
A54M7

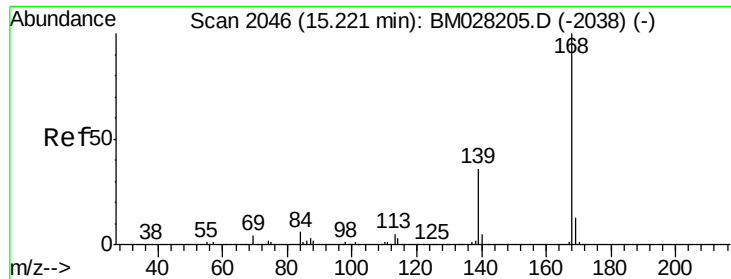
Tot Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.7	13.1
127	13.6	10.2	15.4



#50
Acenaphthene
Concen: 2.872 ng/ul
RT: 14.89 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BM028214.D
Acq: 21 Dec 2020 18:39

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.2	36.7	55.1
154	87.9	70.6	106.0





#54

Dibenzenofuran

Concen: 2.395 ng/ul

RT: 15.22 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

Instrument :

BNA_M

ClientSampleId :

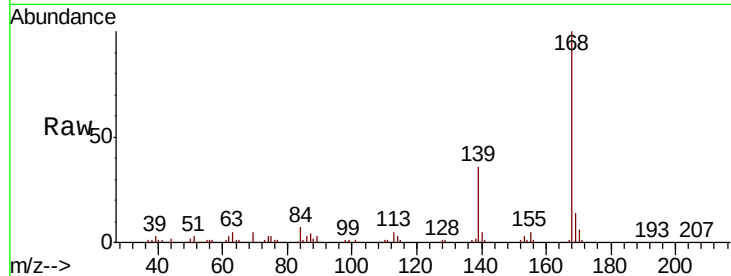
A54M7

Tot Ion:168 Resp: 66577

Ion Ratio Lower Upper

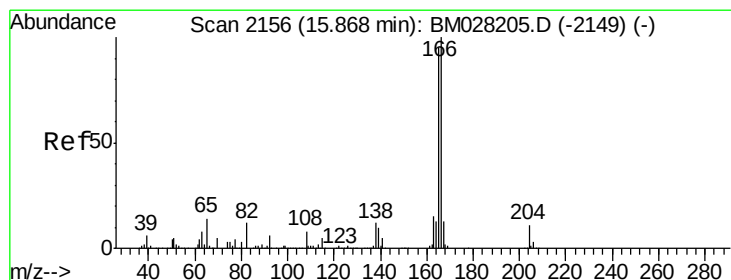
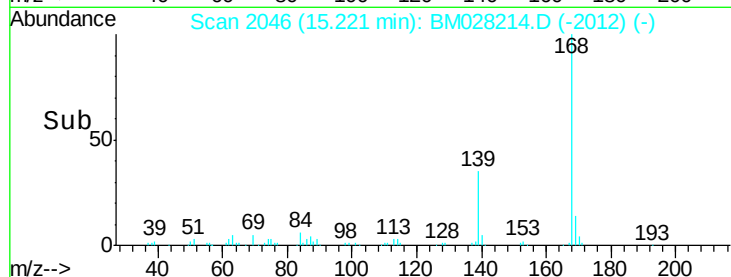
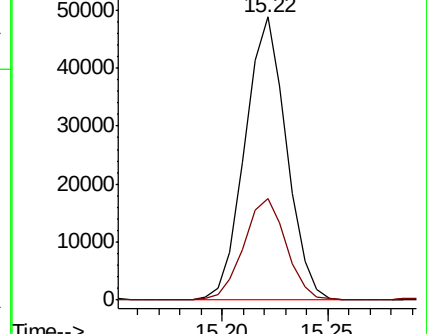
168 100

139 35.7 30.6 45.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 2.770 ng/ul

RT: 15.86 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

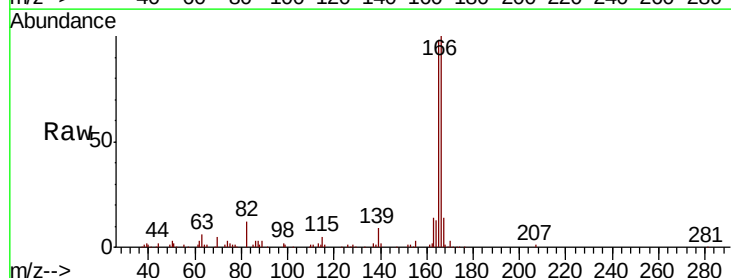
Tgt Ion:166 Resp: 64285

Ion Ratio Lower Upper

166 100

165 98.0 77.4 116.2

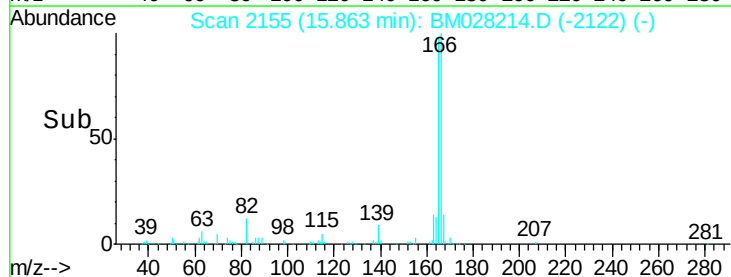
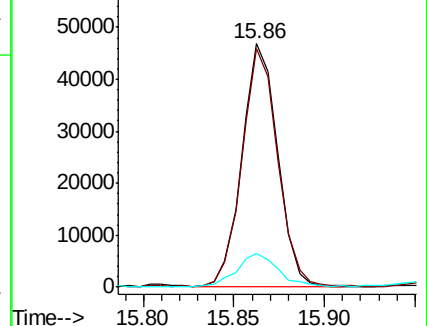
167 13.9 10.9 16.3

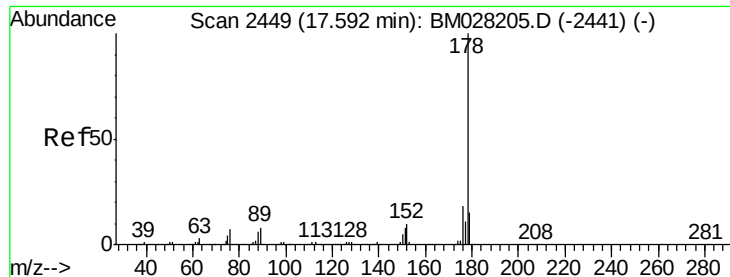


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 33.217 ng/ul

RT: 17.59 min Scan# 2449

Delta R.T. 0.00 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

Instrument :

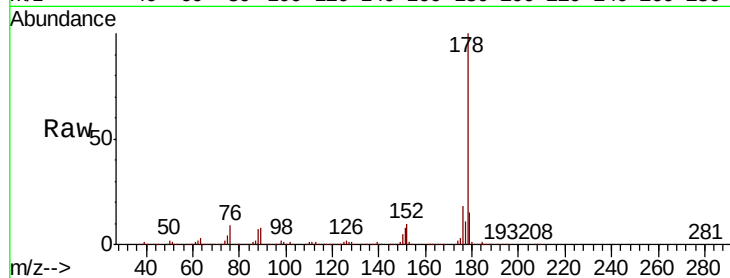
BNA_M

ClientSampleId :

A54M7

Tot Ion:178 Resp: 1116377

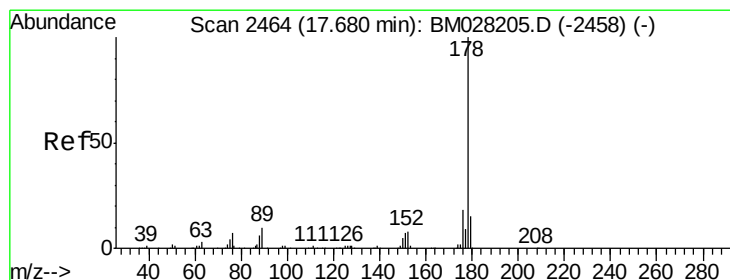
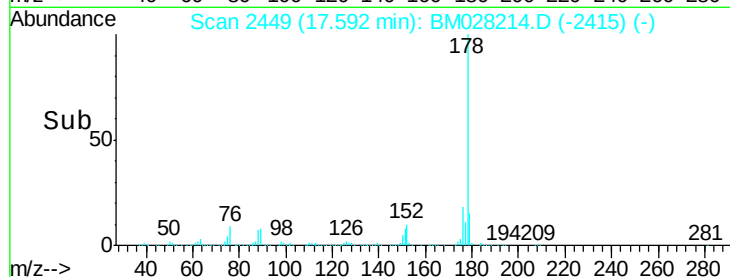
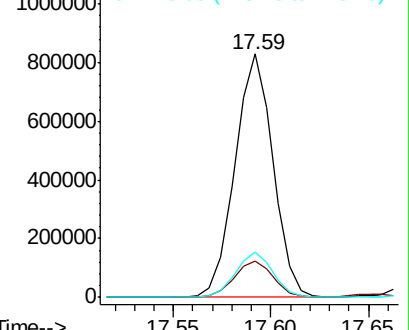
Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.2
176	18.4	14.9	22.3



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: 7.244 ng/ul

RT: 17.68 min Scan# 2464

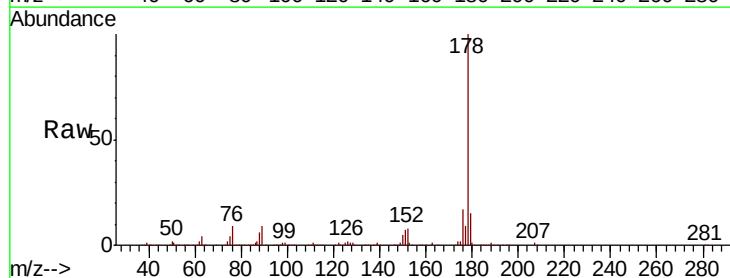
Delta R.T. -0.00 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

Tgt Ion:178 Resp: 247744

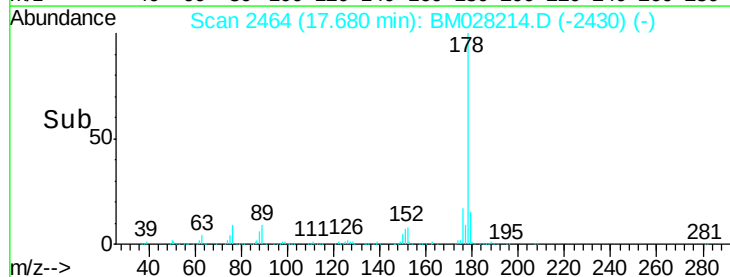
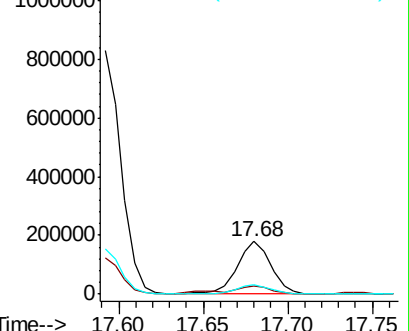
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.4
176	17.1	14.0	21.0

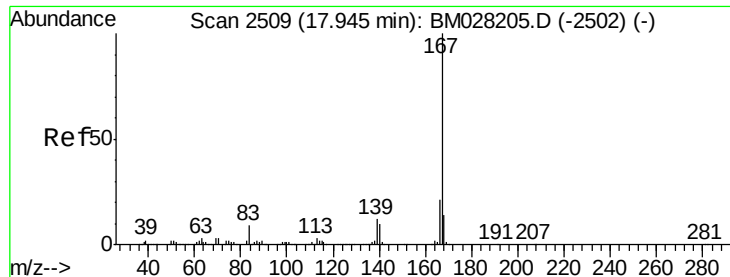


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 3.965 ng/ul

RT: 17.94 min Scan# 2509

Delta R.T. 0.00 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

Instrument :

BNA_M

ClientSampleId :

A54M7

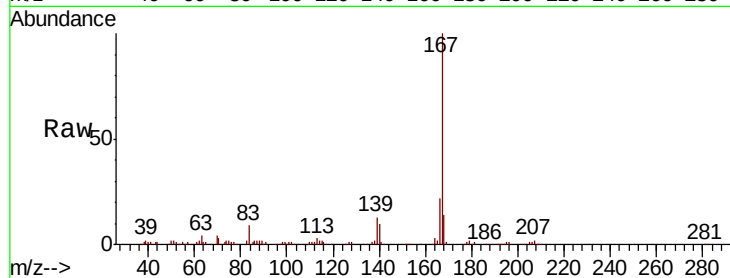
Tot Ion:167 Resp: 113114

Ion Ratio Lower Upper

167 100

166 22.0 17.0 25.6

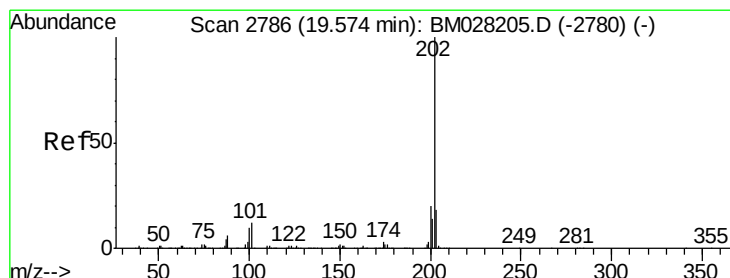
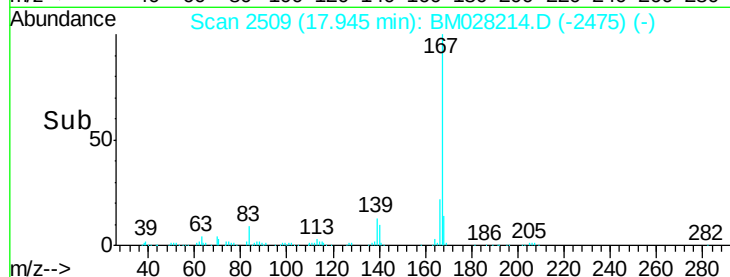
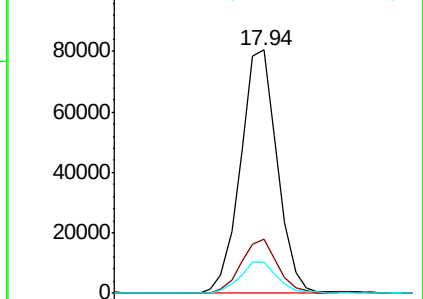
139 12.6 10.2 15.4



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: 35.565 ng/ul

RT: 19.57 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

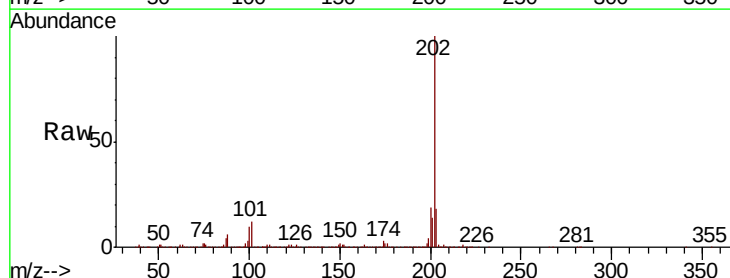
Tgt Ion:202 Resp: 1261550

Ion Ratio Lower Upper

202 100

101 12.4 9.2 13.8

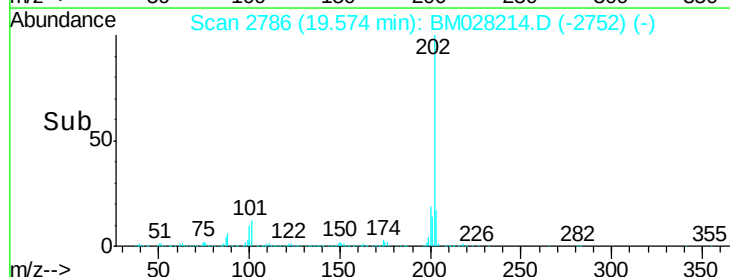
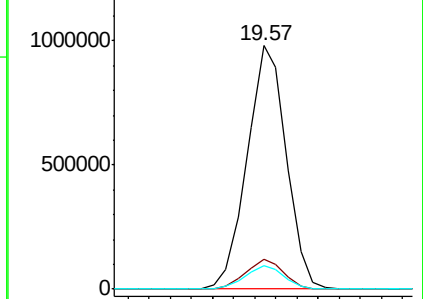
100 9.8 7.1 10.7

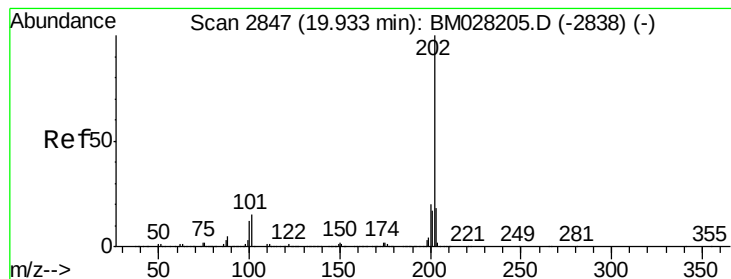


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Pvrene

Concen: 28.559 ng/ul

RT: 19.93 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

Instrument :

BNA_M

ClientSampled :

A54M7

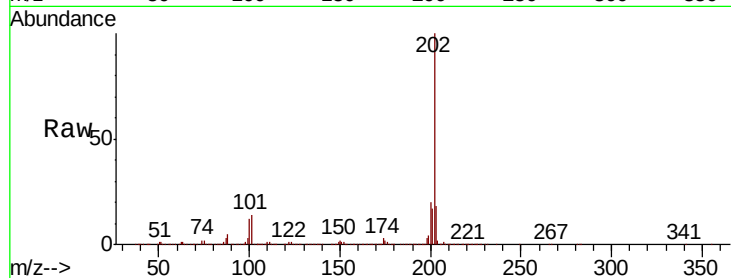
Tot Ion:202 Resp: 1100557

Ion Ratio Lower Upper

202 100

101 14.4 11.5 17.3

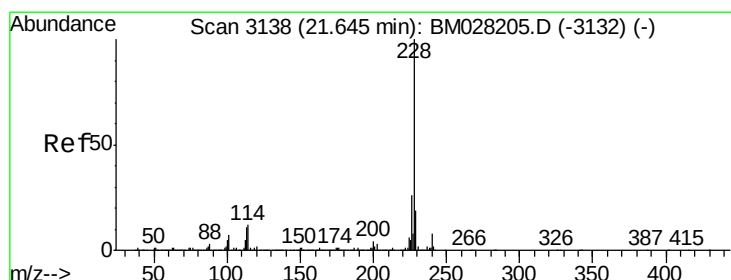
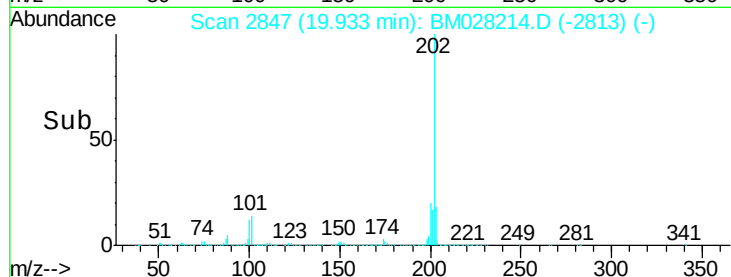
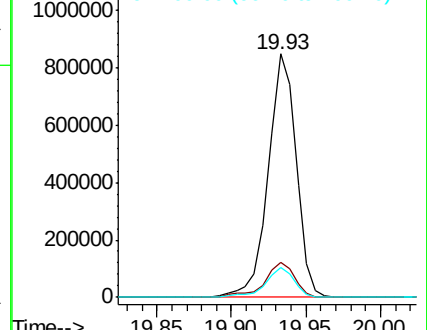
100 12.3 9.9 14.9



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): E



#83

Benzo(a)anthracene

Concen: 15.011 ng/ul

RT: 21.64 min Scan# 3138

Delta R.T. -0.00 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

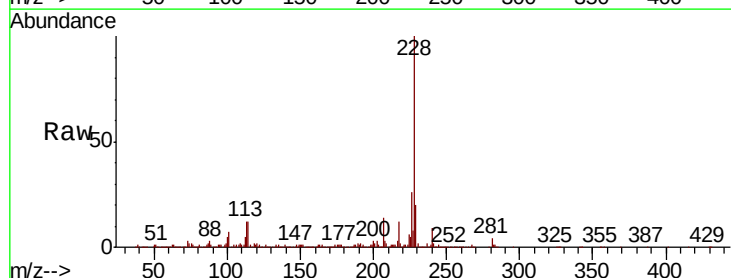
Tgt Ion:228 Resp: 514524

Ion Ratio Lower Upper

228 100

229 20.0 15.5 23.3

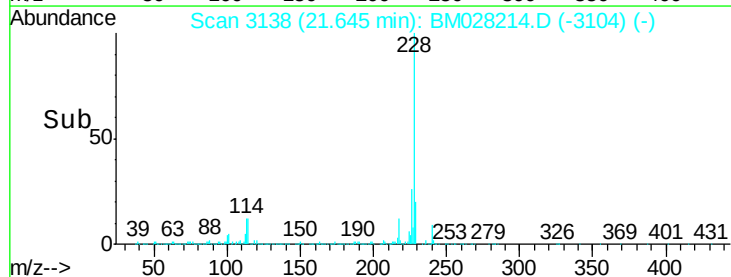
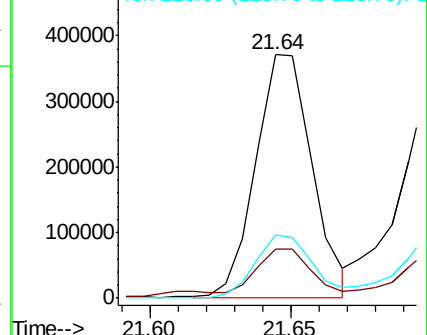
226 26.2 20.6 31.0

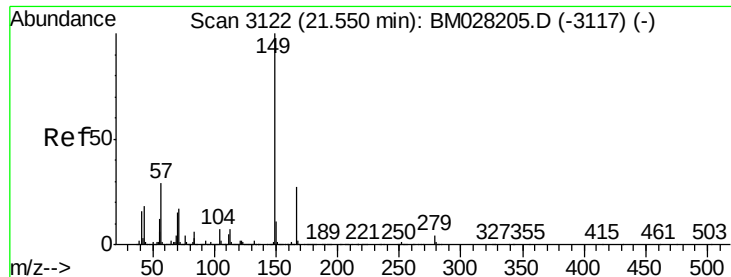


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.183 ng/ul

RT: 21.55 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM028214.D

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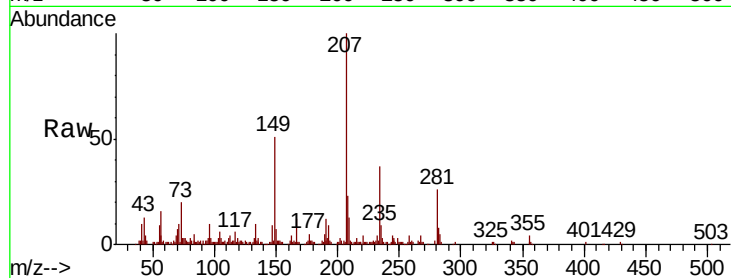
Tot Ion:149 Resp: 24292

Ion Ratio Lower Upper

149 100

167 23.9 20.5 30.7

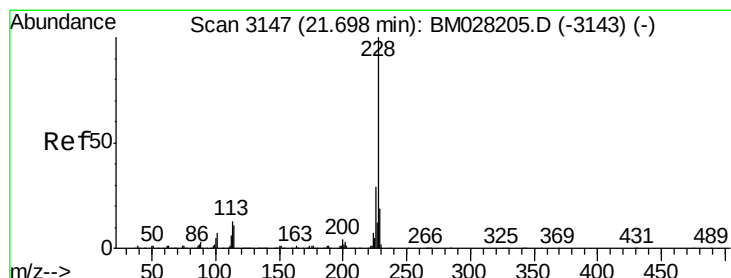
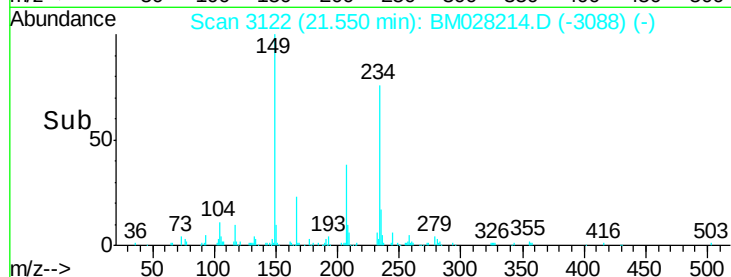
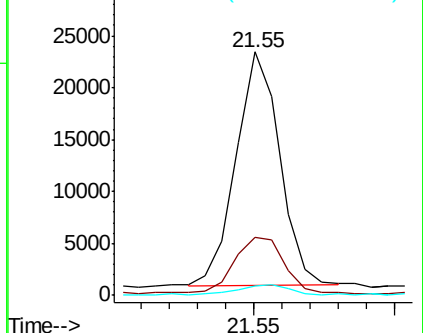
279 3.8 2.9 4.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 13.744 ng/ul

RT: 21.70 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

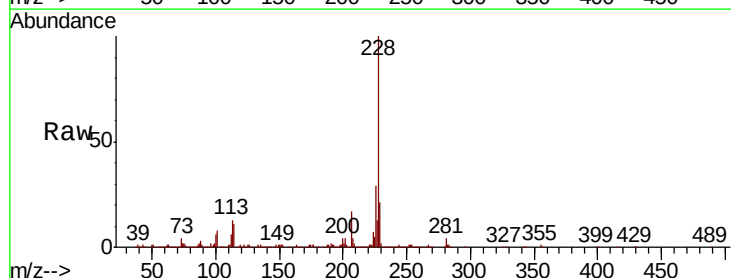
Tgt Ion:228 Resp: 462976

Ion Ratio Lower Upper

228 100

226 28.9 22.4 33.6

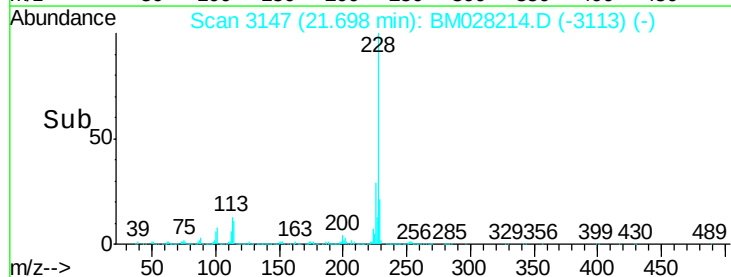
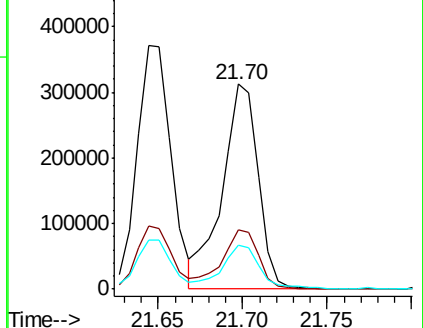
229 21.4 15.5 23.3

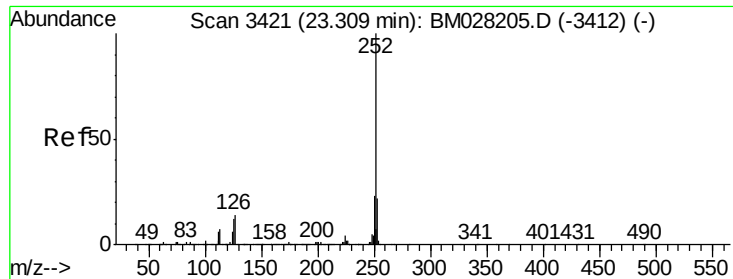


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 14.850 ng/ul

RT: 23.32 min Scan# 3422

Delta R.T. 0.01 min

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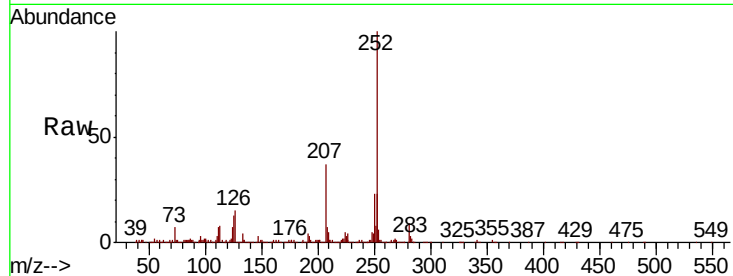
Tot Ion:252 Resp: 537746

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

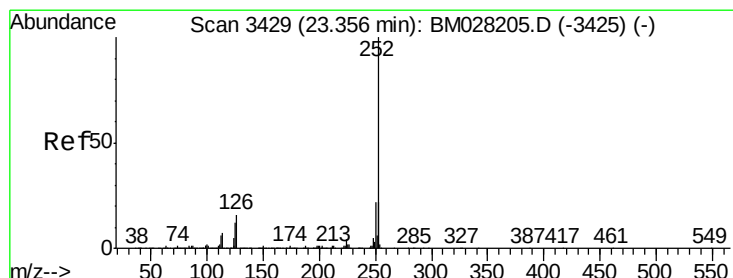
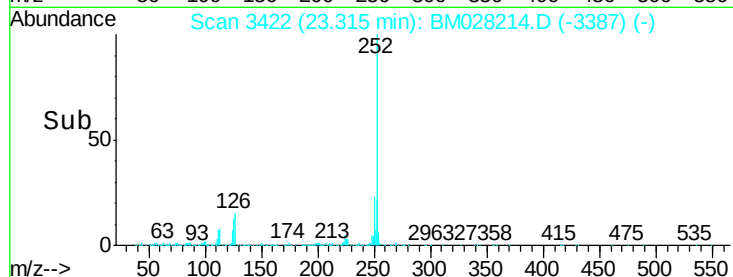
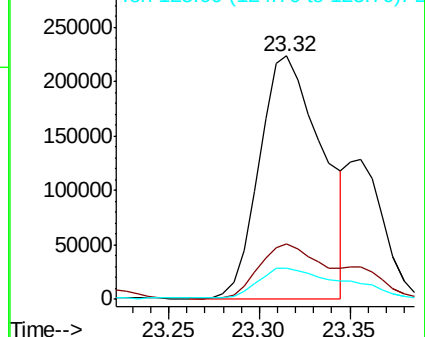
125 13.1 9.0 13.4



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: 14.973 ng/ul

RT: 23.32 min Scan# 3422

Delta R.T. -0.04 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

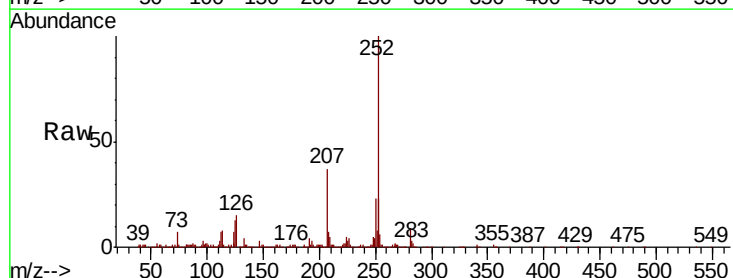
Tgt Ion:252 Resp: 537746

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

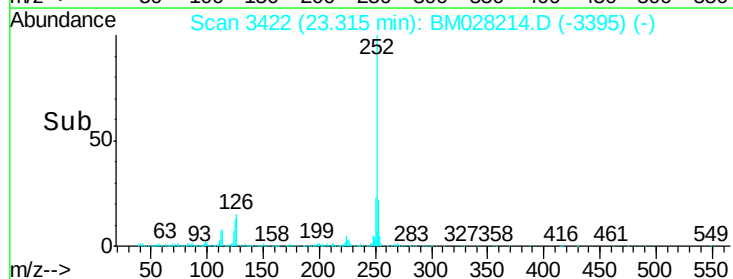
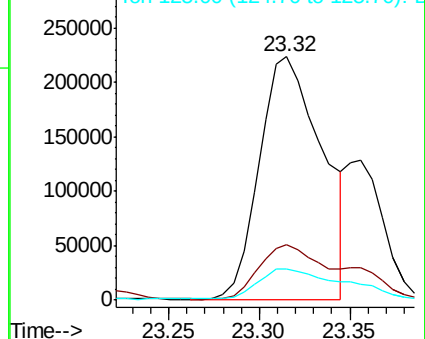
125 13.1 9.0 13.6

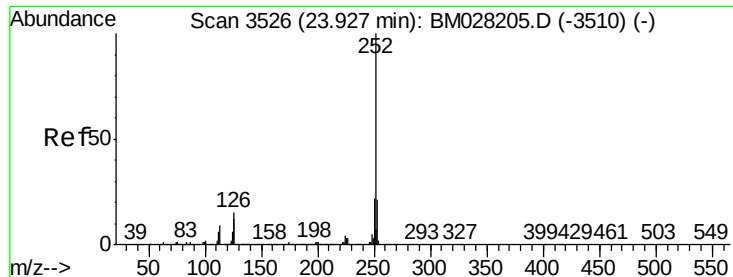


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 12.161 ng/ul

RT: 23.93 min Scan# 3526

Delta R.T. 0.00 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

Instrument :

BNA_M

ClientSampleId :

A54M7

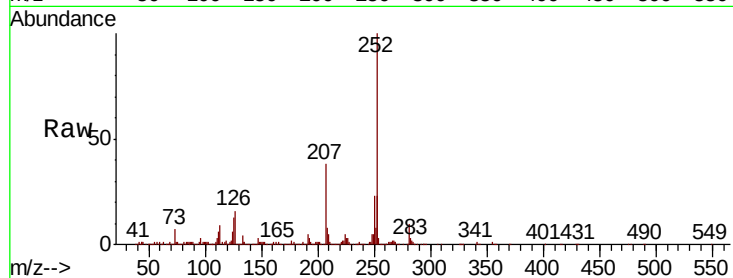
Tot Ion:252 Resp: 396904

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

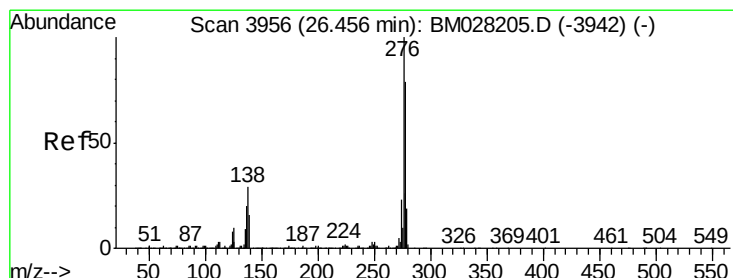
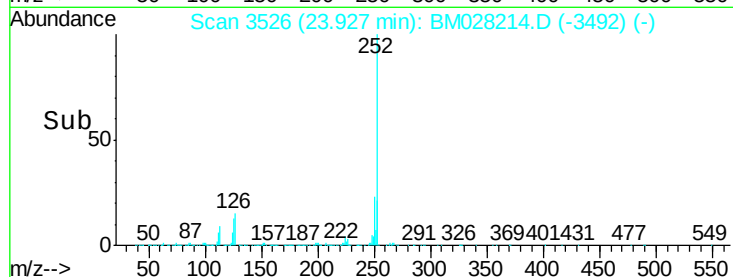
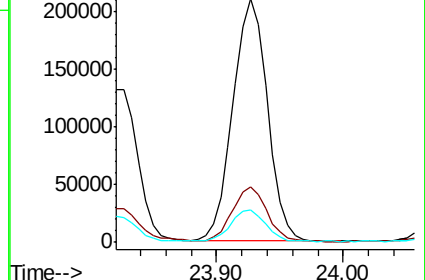
125 13.2 10.0 15.0



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 6.709 ng/ul

RT: 26.46 min Scan# 3956

Delta R.T. -0.00 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

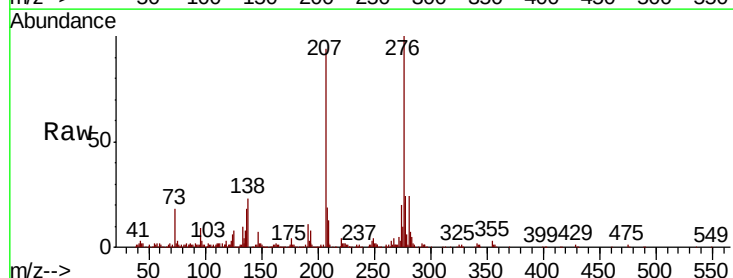
Tgt Ion:276 Resp: 250070

Ion Ratio Lower Upper

276 100

138 23.2 23.3 34.9#

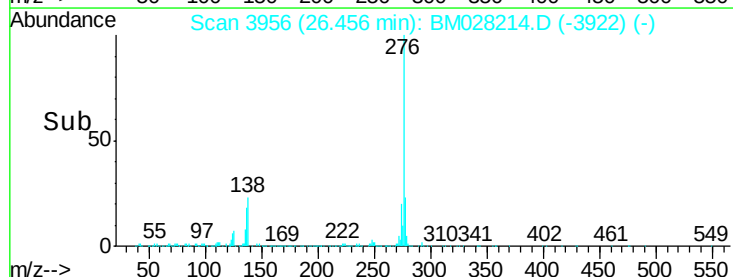
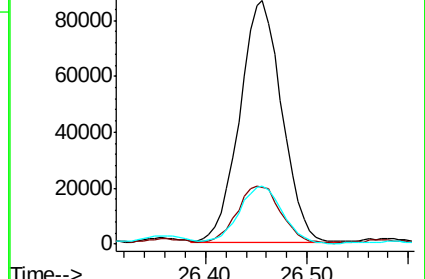
277 23.7 20.2 30.2

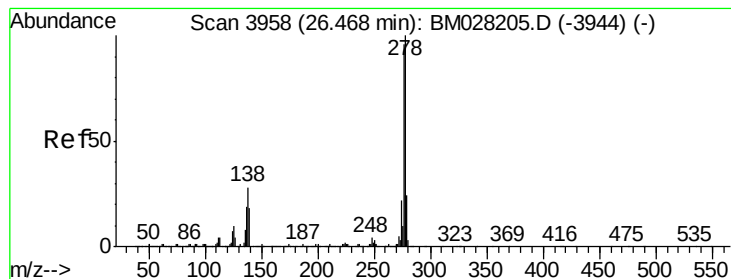


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 2.002 ng/ul

RT: 26.46 min Scan# 3956

Delta R.T. -0.01 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

Instrument :

BNA_M

ClientSampleId :

A54M7

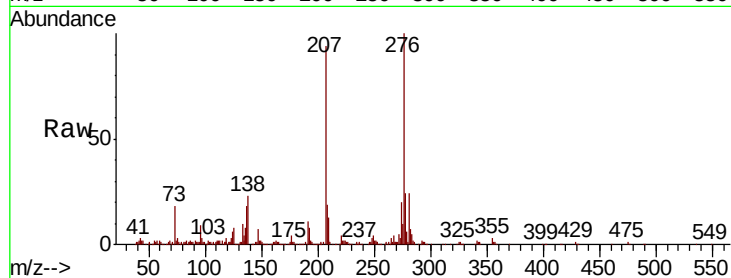
Tot Ion:278 Resp: 63262

Ion Ratio Lower Upper

278 100

139 0.0 14.2 21.2#

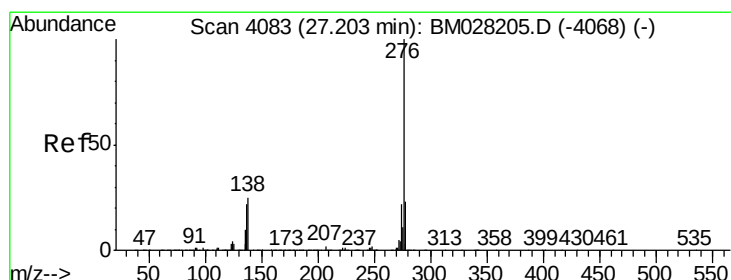
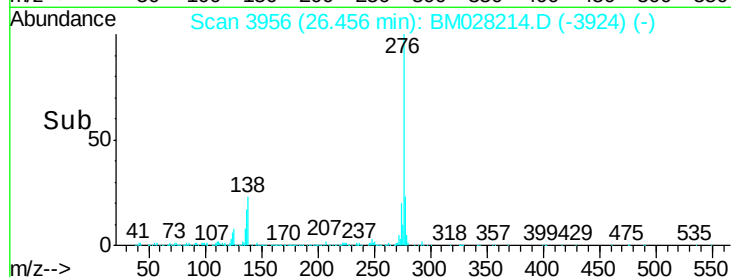
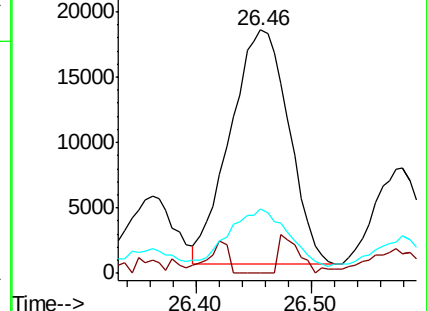
279 26.4 18.5 27.7



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: 6.601 ng/ul

RT: 27.20 min Scan# 4083

Delta R.T. 0.00 min

Lab File: BM028214.D

Acq: 21 Dec 2020 18:39

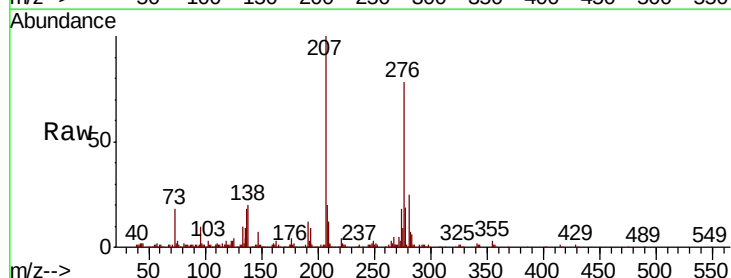
Tgt Ion:276 Resp: 206658

Ion Ratio Lower Upper

276 100

138 25.1 19.8 29.8

277 24.7 18.9 28.3



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

