

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027075.D
 Acq On : 14 Aug 2020 00:54
 Operator : JU/CG
 Sample : L3630-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 14 03:19:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 14 03:16:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	132328	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	500343	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	310226	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	647225	20.00	ng/ul	0.00
78) Chrysene-d12	21.21	240	639005	20.00	ng/ul	0.00
86) Perylene-d12	23.41	264	651881	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	9006	3.09	ng/uL	0.00
5) Phenol-d5	6.82	99	255145	24.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	162756	23.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	198927	24.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	207160	25.82	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	92668	23.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	105687	25.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	221292	25.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	217074	21.62	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	672977	27.20	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	842525	28.58	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	99657	23.86	ng/ul	0.00
58) Fluorene-d10	15.27	176	583823	27.07	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	61705	17.45	ng/ul	0.00
71) Anthracene-d10	17.12	188	896895	28.13	ng/ul	0.00
79) Pyrene-d10	19.42	212	995082	31.22	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.27	264	1086762	29.87	ng/ul	0.00

Target Compounds

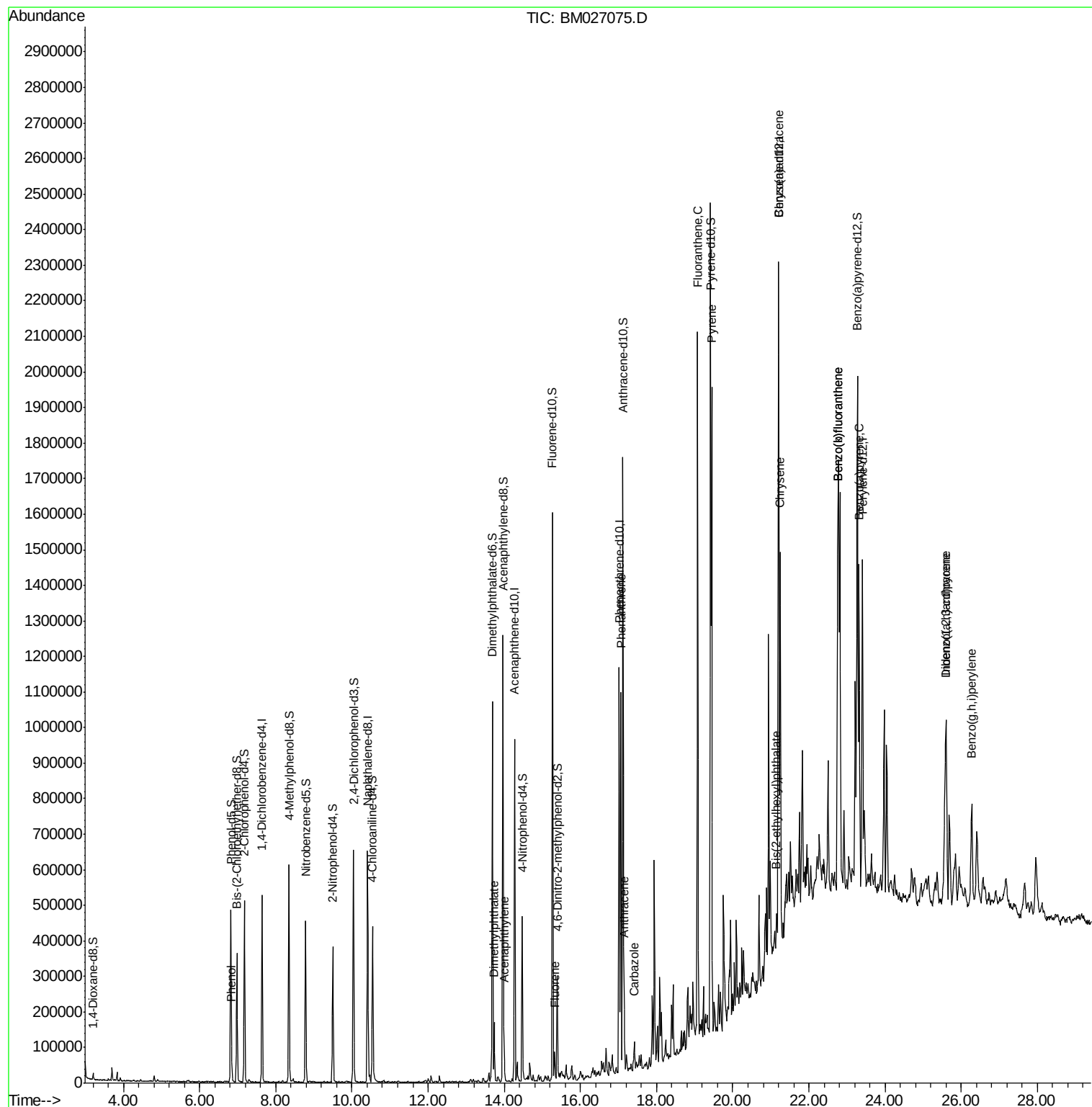
					Ovalue
6) Phenol	6.85	94	15481	1.427	ng/ul 93
45) Dimethylphthalate	13.73	163	90926	3.507	ng/ul 97
48) Acenaphthylene	13.99	152	71899	2.399	ng/ul 98
59) Fluorene	15.32	166	26057	1.024	ng/ul 99
70) Phenanthrene	17.06	178	626065	16.135	ng/ul 99
72) Anthracene	17.15	178	147280	3.730	ng/ul 98
75) Carbazole	17.42	167	51549	1.547	ng/ul 96
77) Fluoranthene	19.08	202	1136574	24.156	ng/ul 100
80) Pyrene	19.44	202	1080023	24.900	ng/ul 98
83) Benzo(a)anthracene	21.20	228	583983	13.575	ng/ul 94
84) Bis(2-ethylhexyl)phthalate	21.15	149	31271	1.298	ng/ul# 98
85) Chrysene	21.24	228	606413	14.361	ng/ul 97
88) Benzo(b)fluoranthene	22.76	252	825872	18.245	ng/ul 98
89) Benzo(k)fluoranthene	22.76	252	825872	18.409	ng/ul 97
91) Benzo(a)pyrene	23.32	252	602794	14.632	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.60	276	448933	8.457	ng/ul 98
93) Dibenzo(a,h)anthracene	25.61	278	121940	2.712	ng/ul# 88
94) Benzo(g,h,i)perylene	26.27	276	345512	7.880	ng/ul 99

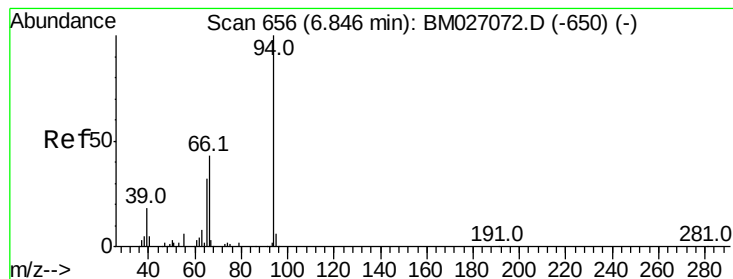
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 14 03:16:58 2020
Response via : Initial Calibration





#6

Phenol

Concen: 1.427 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. -0.00 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

Instrument :

BNA_M

ClientSampled :

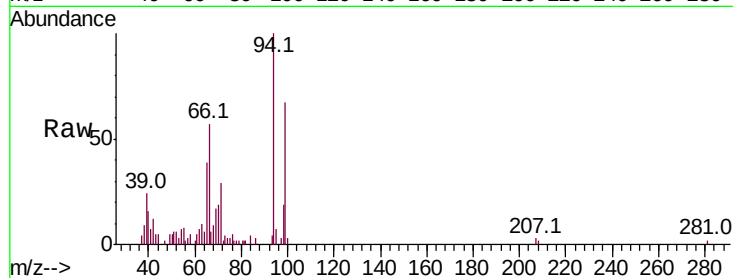
Tot Ion: 94 Resp: 15481

Ion Ratio Lower Upper

94 100

65 39.4 28.6 43.0

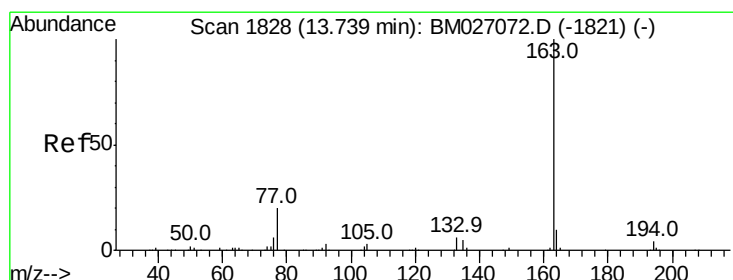
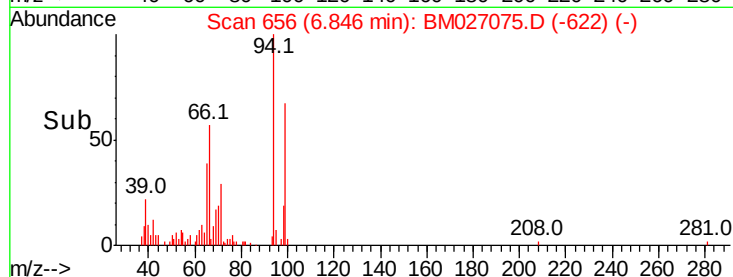
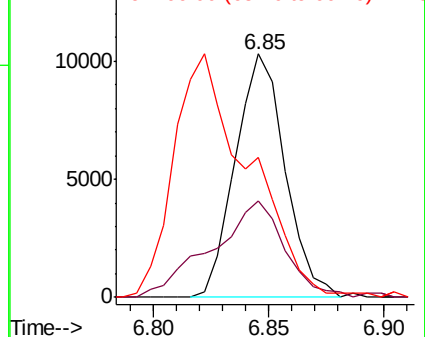
66 57.4 41.3 61.9



Abundance Ion 94.00 (93.70 to 94.70): BM027072.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM027072.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM027072.D (-650) (-)



#45

Dimethylphthalate

Concen: 3.507 ng/ul

RT: 13.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

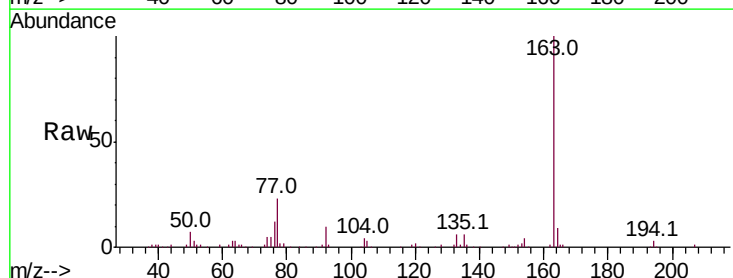
Tgt Ion:163 Resp: 90926

Ion Ratio Lower Upper

163 100

194 3.5 3.2 4.8

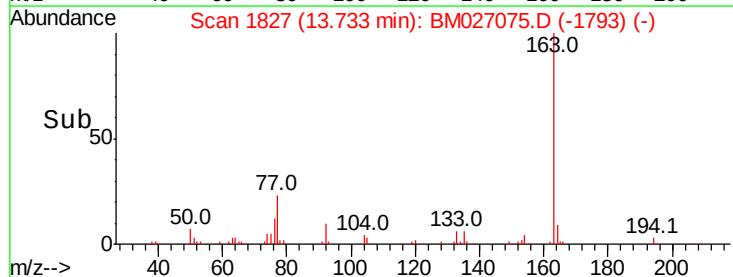
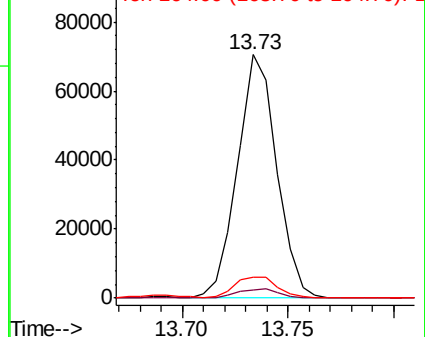
164 8.6 8.2 12.2

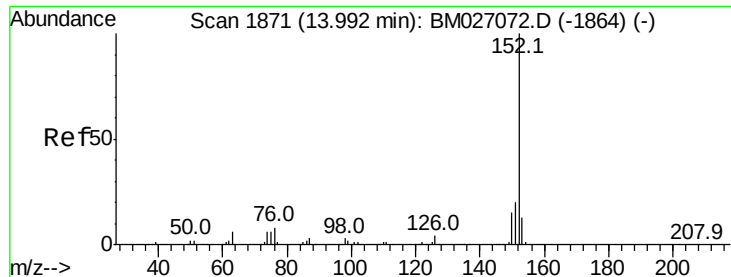


Abundance Ion 163.00 (162.70 to 163.70): BM027072.D (-1821) (-)

Ion 194.00 (193.70 to 194.70): BM027072.D (-1821) (-)

Ion 164.00 (163.70 to 164.70): BM027072.D (-1821) (-)





#48

Acenaphthylene

Concen: 2.399 ng/ul

RT: 13.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

Instrument :

BNA_M

ClientSampleId :

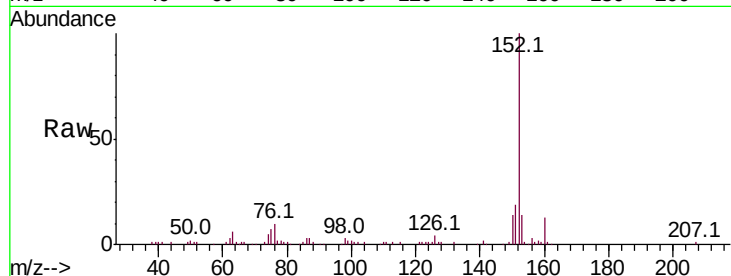
Tot Ion:152 Resp: 71899

Ion Ratio Lower Upper

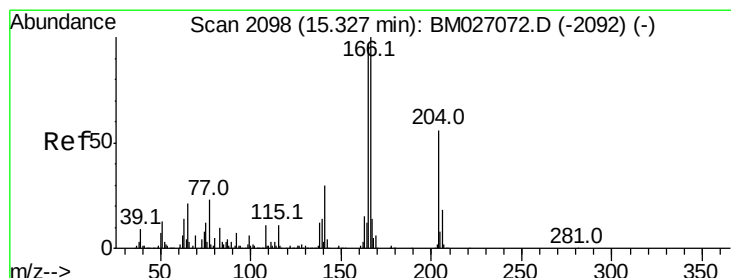
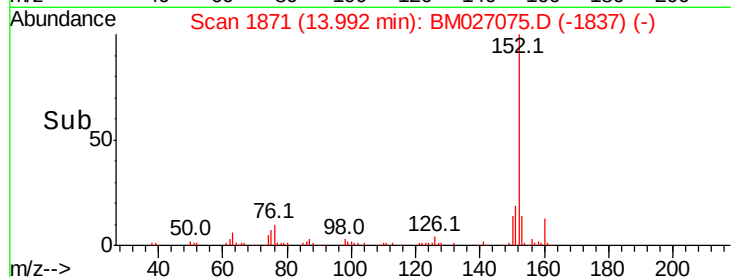
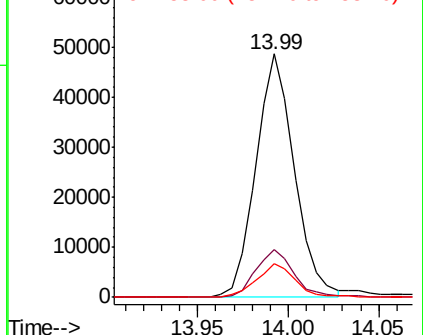
152 100

151 19.5 15.9 23.9

153 13.7 9.8 14.8



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



#59

Fluorene

Concen: 1.024 ng/ul

RT: 15.32 min Scan# 2097

Delta R.T. -0.01 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

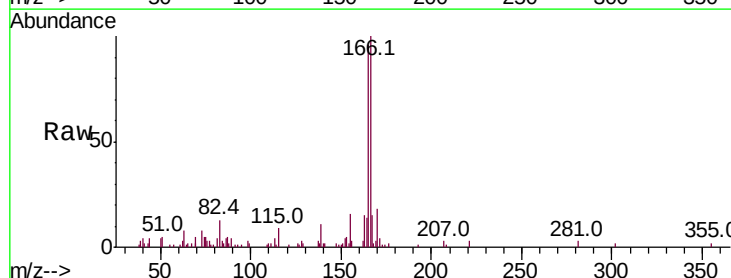
Tgt Ion:166 Resp: 26057

Ion Ratio Lower Upper

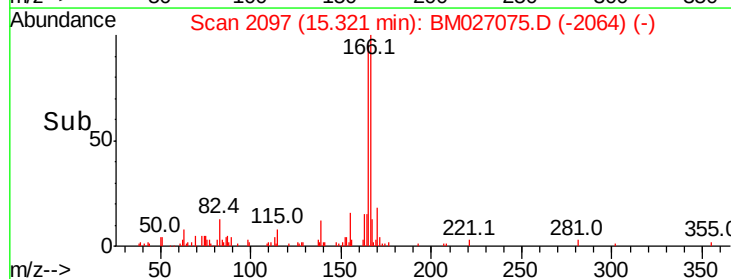
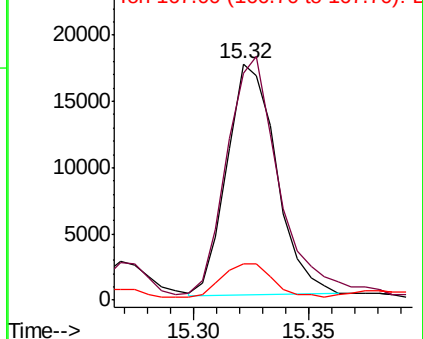
166 100

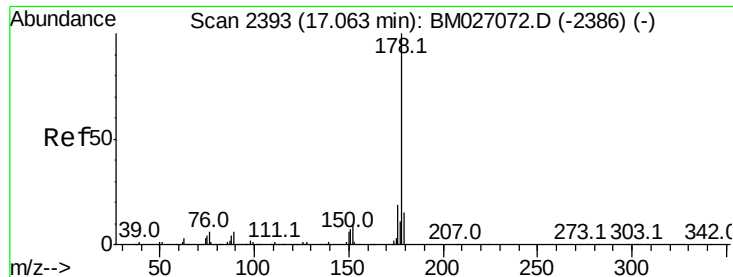
165 96.1 76.9 115.3

167 15.1 10.5 15.7



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: 16.135 ng/ul

RT: 17.06 min Scan# 2393

Delta R.T. 0.01 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

Instrument :

BNA_M

ClientSampleId :

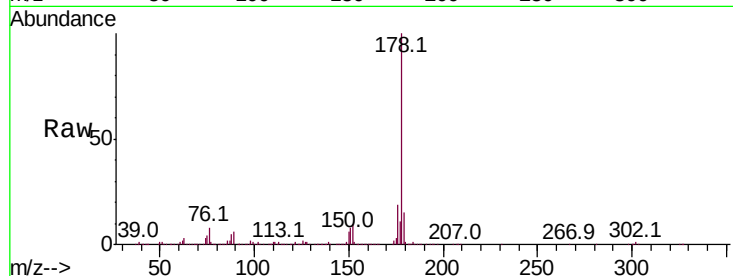
Tot Ion:178 Resp: 626065

Ion Ratio Lower Upper

178 100

179 15.2 11.9 17.9

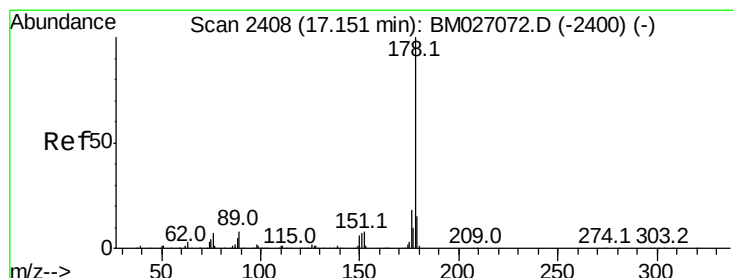
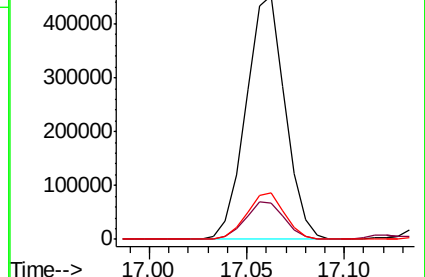
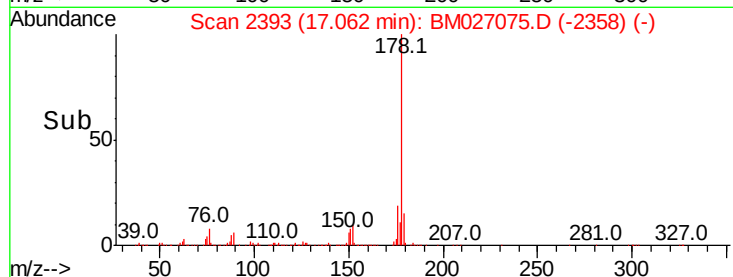
176 19.0 14.6 22.0



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: 3.730 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

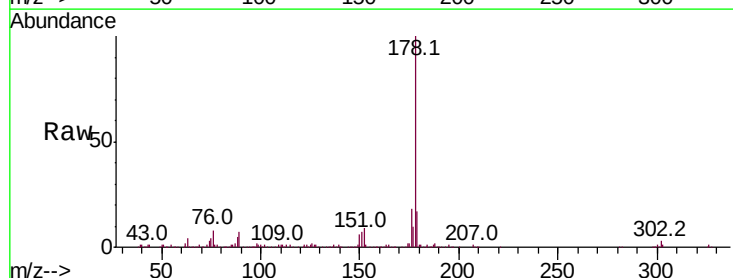
Tgt Ion:178 Resp: 147280

Ion Ratio Lower Upper

178 100

179 16.5 12.0 18.0

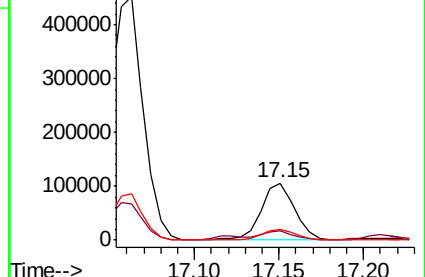
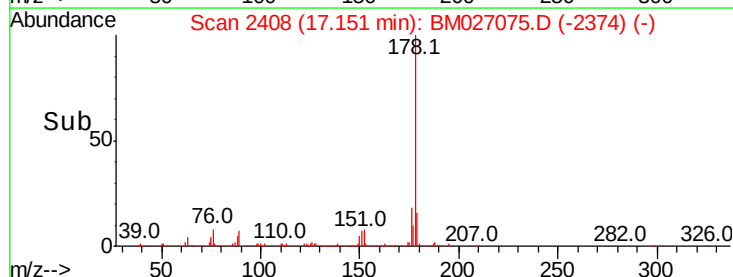
176 17.8 14.3 21.5

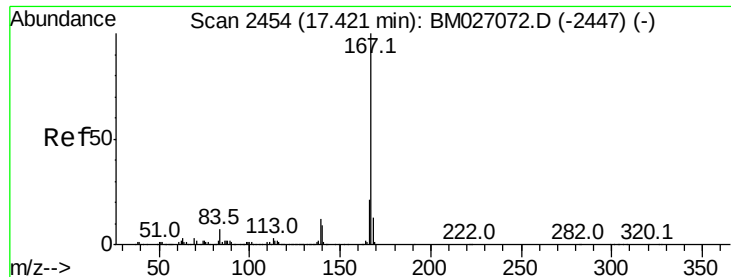


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.547 ng/ul

RT: 17.42 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

Instrument :

BNA_M

ClientSampleId :

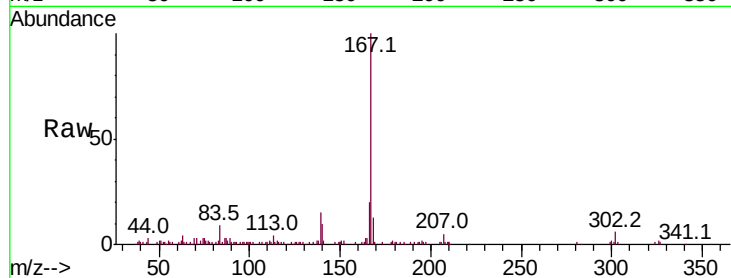
Tot Ion:167 Resp: 51549

Ion Ratio Lower Upper

167 100

166 20.0 17.0 25.6

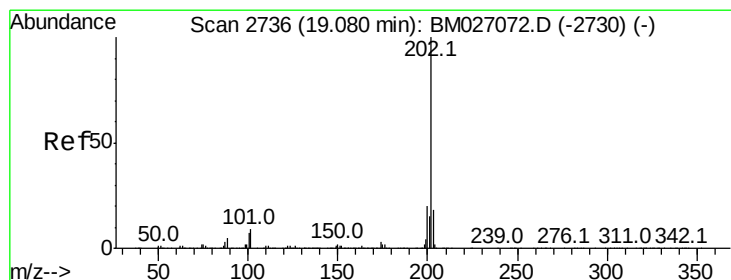
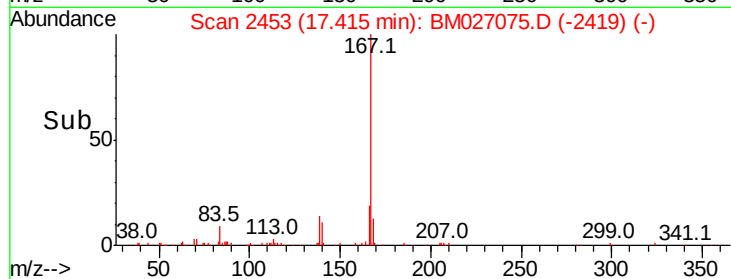
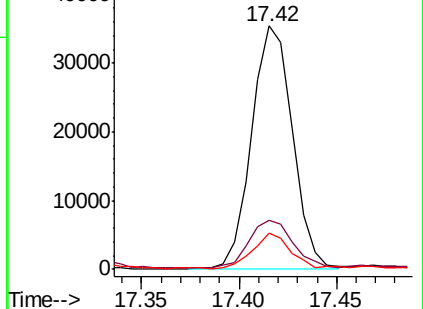
139 14.6 9.8 14.6



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: 24.156 ng/ul

RT: 19.08 min Scan# 2736

Delta R.T. -0.00 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

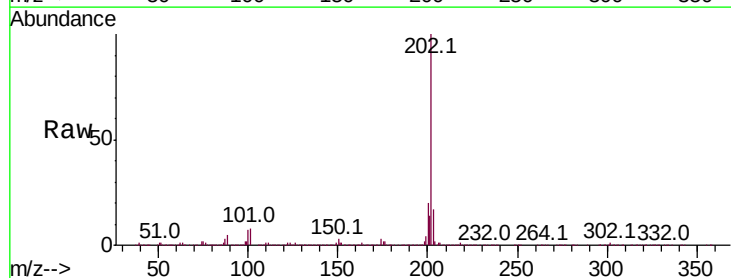
Tgt Ion:202 Resp: 1136574

Ion Ratio Lower Upper

202 100

101 8.3 6.7 10.1

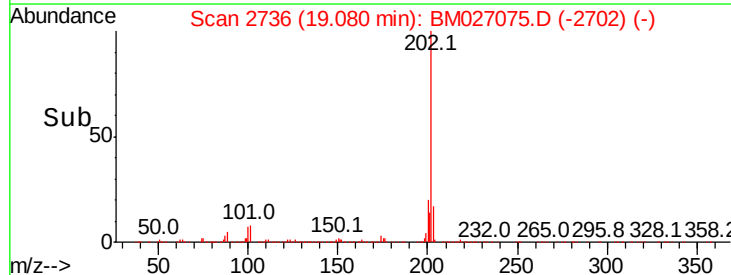
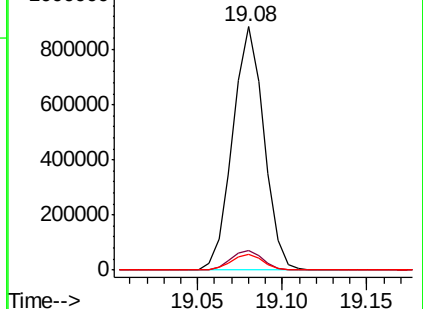
100 6.7 5.4 8.2

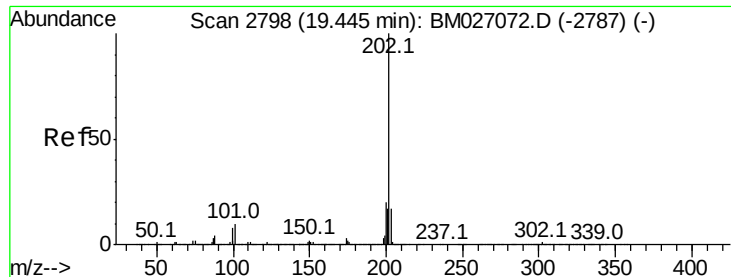


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

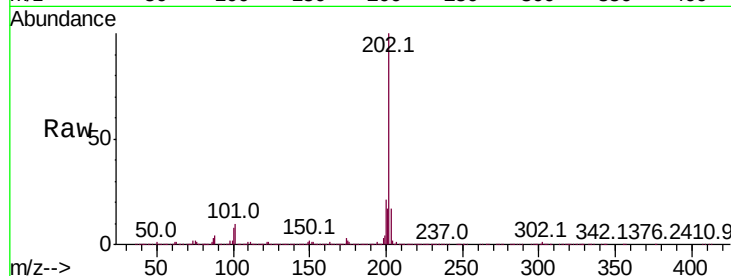




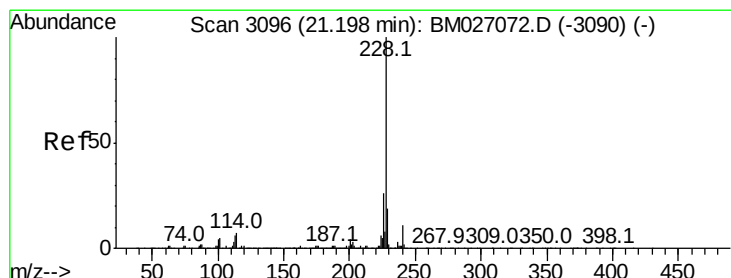
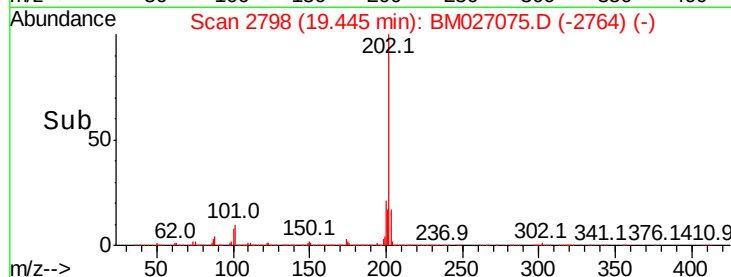
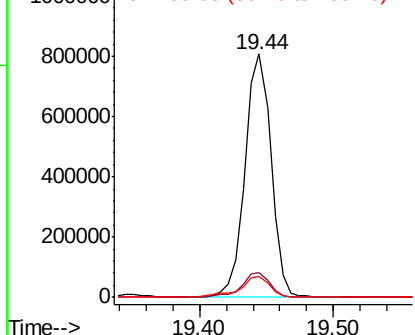
#80
Pvrene
Concen: 24.900 ng/ul
RT: 19.44 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BM027075.D
Acq: 14 Aug 2020 00:54

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 1080023
Ion Ratio Lower Upper
202 100
101 10.1 7.6 11.4
100 8.4 6.3 9.5

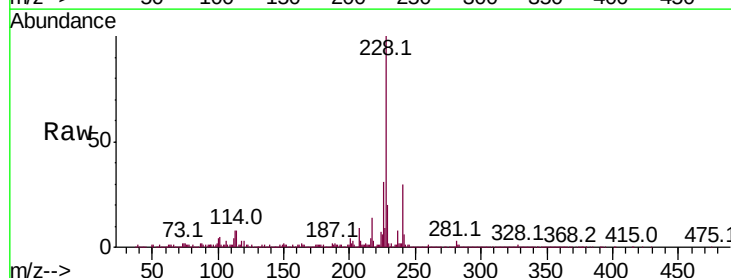


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

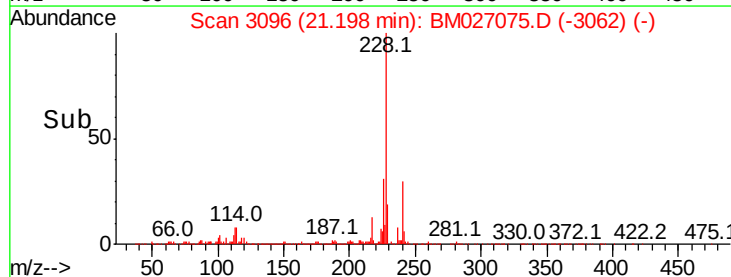
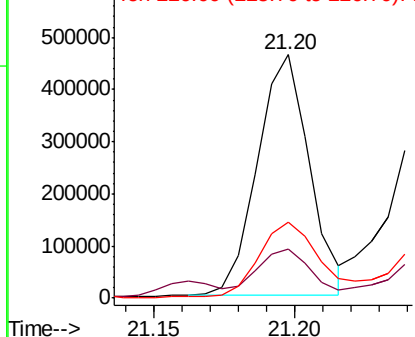


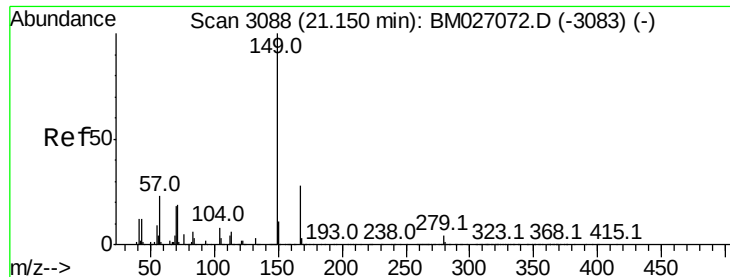
#83
Benzo(a)anthracene
Concen: 13.575 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM027075.D
Acq: 14 Aug 2020 00:54

Tgt Ion:228 Resp: 583983
Ion Ratio Lower Upper
228 100
229 19.9 15.8 23.6
226 31.4 21.2 31.8



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.298 ng/ul

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

Instrument :

BNA_M

ClientSampleId :

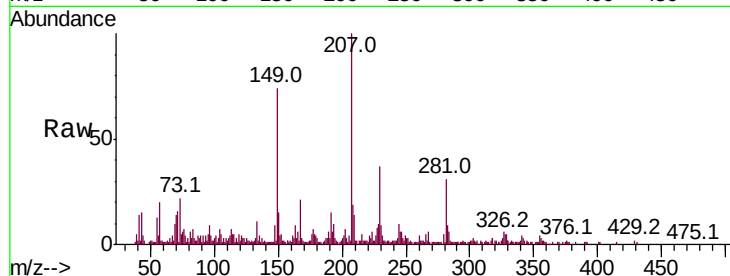
Tot Ion:149 Resp: 31271

Ion Ratio Lower Upper

149 100

167 28.0 21.6 32.4

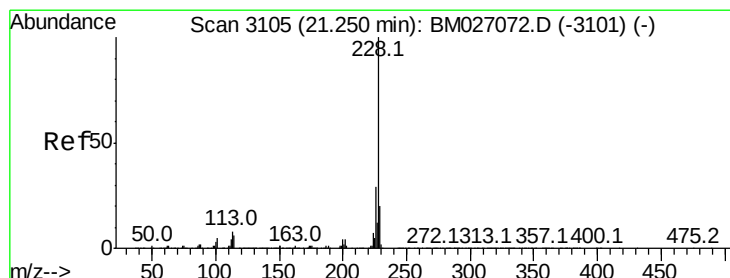
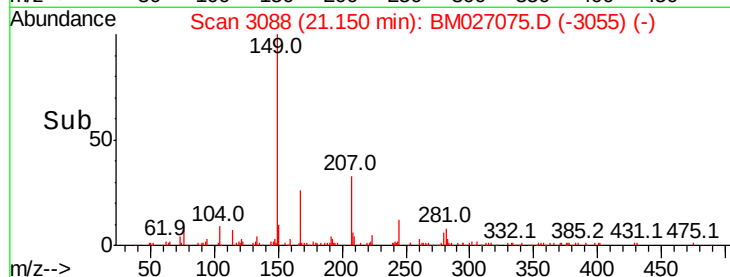
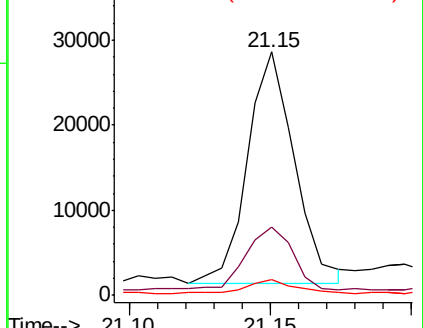
279 6.3 3.9 5.9#



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: 14.361 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

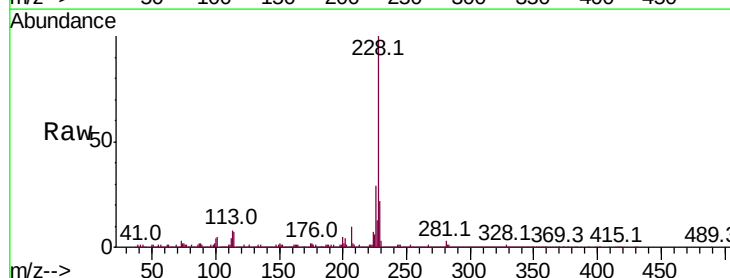
Tgt Ion:228 Resp: 606413

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.6

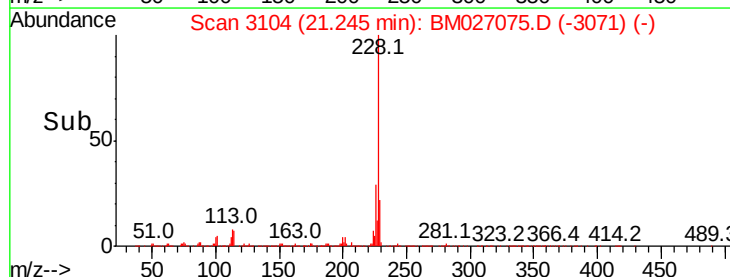
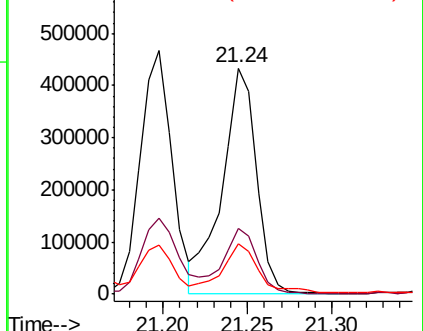
229 22.4 15.8 23.8

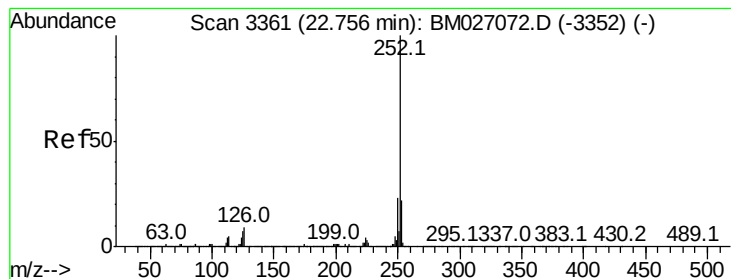


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 18.245 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.00 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

Instrument :

BNA_M

ClientSampleId :

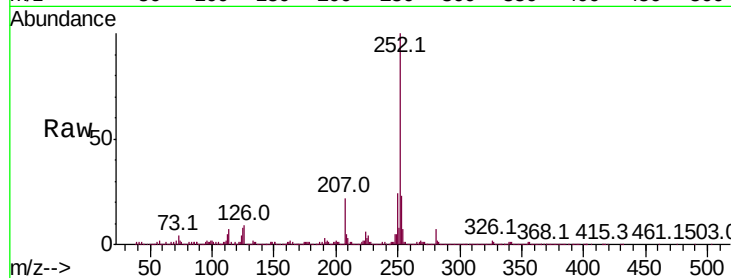
Tot Ion:252 Resp: 825872

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

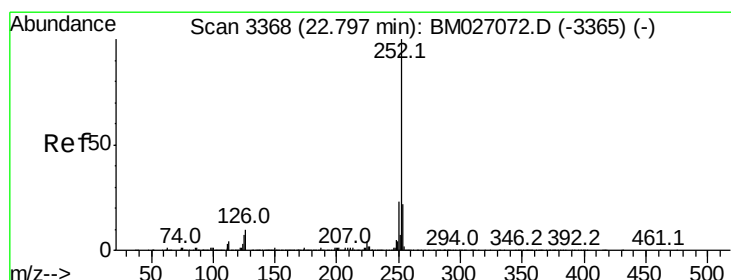
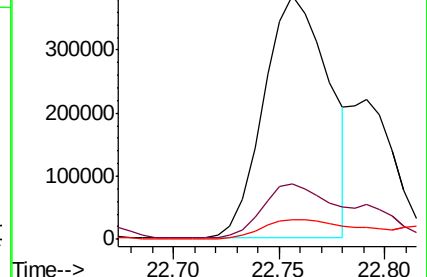
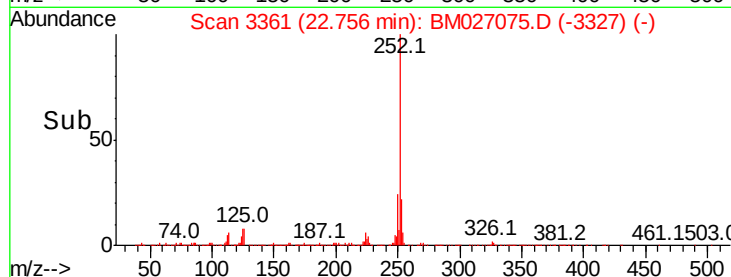
125 8.0 6.0 9.0



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: 18.409 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.04 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

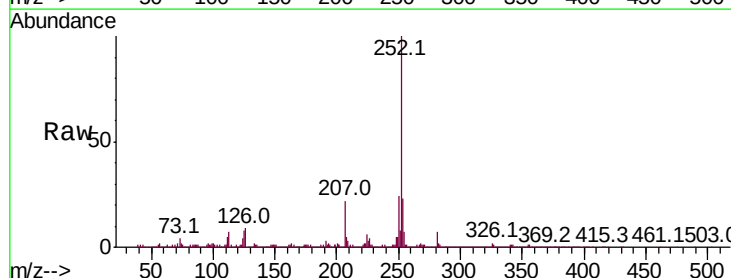
Tgt Ion:252 Resp: 825872

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

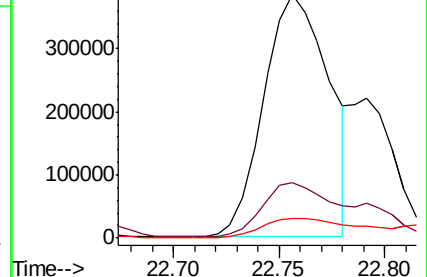
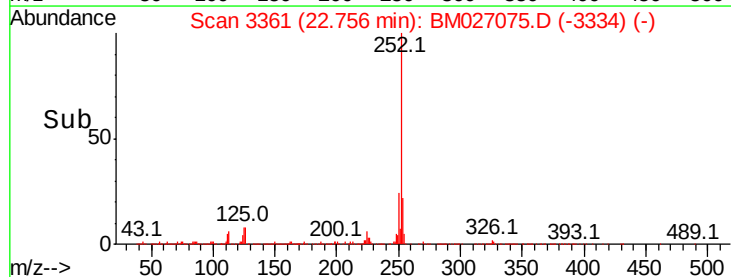
125 8.0 5.5 8.3

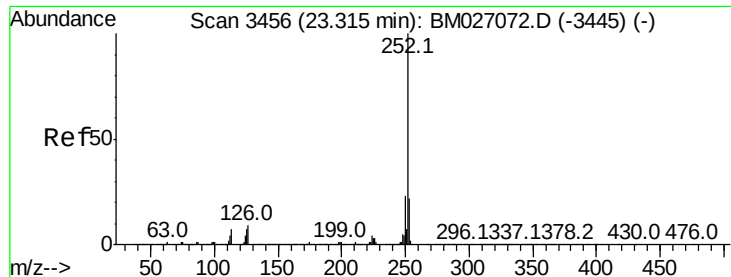


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 14.632 ng/ul

RT: 23.32 min Scan# 3456

Delta R.T. -0.00 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

Instrument :

BNA_M

ClientSampleId :

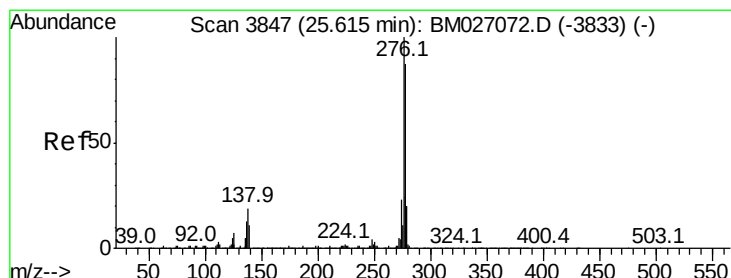
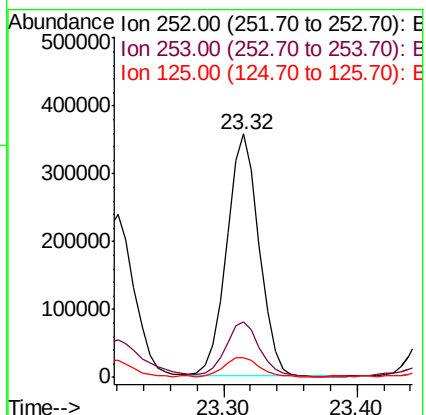
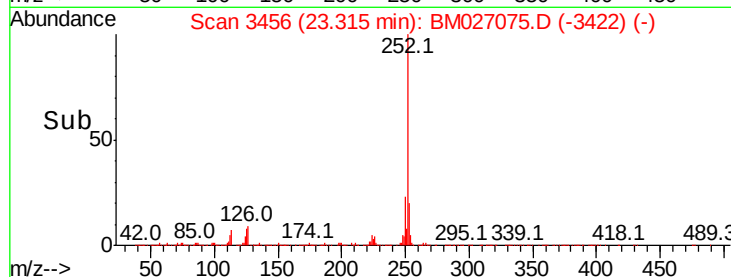
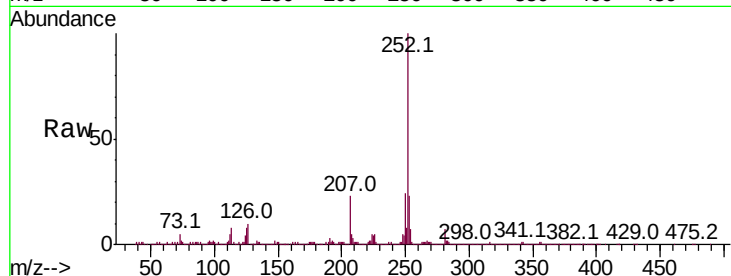
Tot Ion:252 Resp: 602794

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

125 8.1 5.8 8.8



#92

Indeno(1,2,3-cd)pyrene

Concen: 8.457 ng/ul

RT: 25.60 min Scan# 3845

Delta R.T. -0.00 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

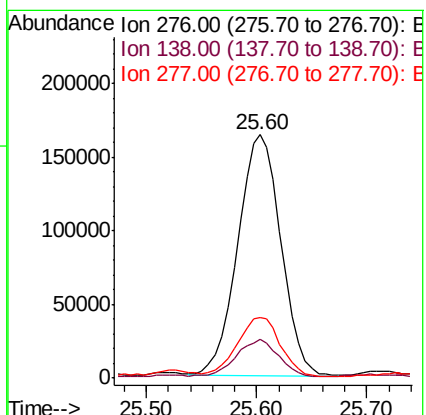
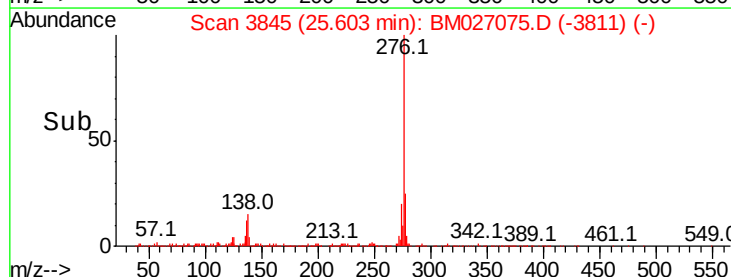
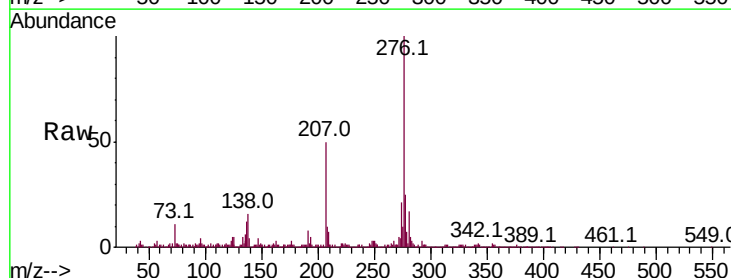
Tgt Ion:276 Resp: 448933

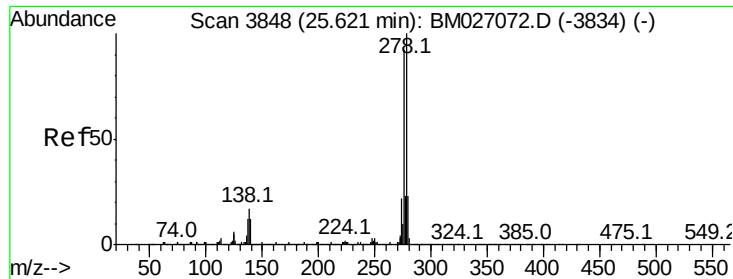
Ion Ratio Lower Upper

276 100

138 15.8 13.9 20.9

277 24.9 19.8 29.8





#93

Dibenzo(a,h)anthracene

Concen: 2.712 ng/ul

RT: 25.61 min Scan# 3846

Delta R.T. -0.01 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

Instrument :

BNA_M

ClientSampled :

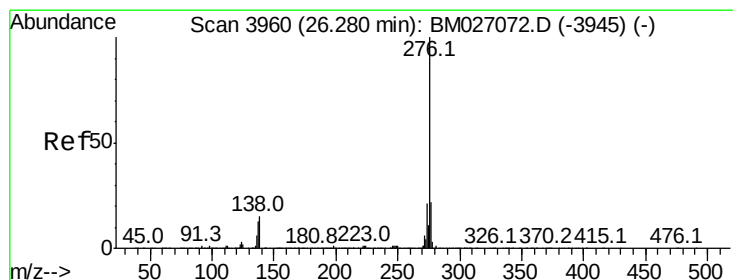
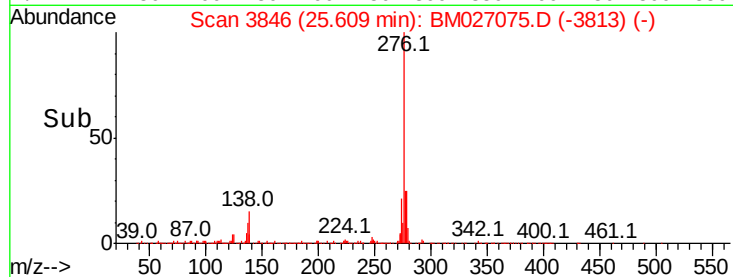
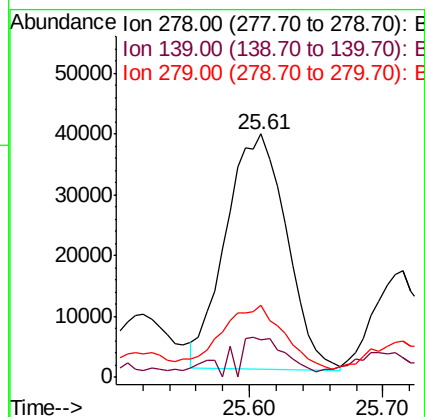
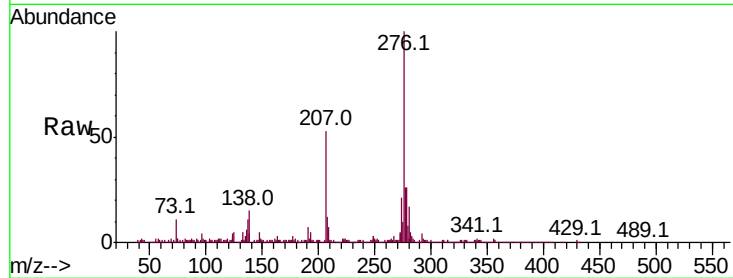
Tot Ion:278 Resp: 121940

Ion Ratio Lower Upper

278 100

139 15.7 9.4 14.0#

279 29.8 18.7 28.1#



#94

Benzo(g,h,i)perylene

Concen: 7.880 ng/ul

RT: 26.27 min Scan# 3959

Delta R.T. -0.00 min

Lab File: BM027075.D

Acq: 14 Aug 2020 00:54

Tgt Ion:276 Resp: 345512

Ion Ratio Lower Upper

276 100

138 15.1 12.3 18.5

277 24.5 19.0 28.6

