

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027070.D
 Acq On : 13 Aug 2020 20:40
 Operator : JU/CG
 Sample : L3630-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFM70

Quant Time: Aug 14 01:26:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 11:47:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	122481	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	461308	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	286544	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	590243	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	599162	20.00	ng/ul	0.00
86) Perylene-d12	23.41	264	614205	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	11285	4.19	ng/uL	0.00
5) Phenol-d5	6.82	99	297072	31.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	193690	29.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	231019	30.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	230773	31.08	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	111877	30.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	123663	32.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	256952	32.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	258435	27.92	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	742722	32.50	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	941783	34.59	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	98684	25.58	ng/ul	0.00
58) Fluorene-d10	15.27	176	636622	31.96	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	64499	20.01	ng/ul	0.00
71) Anthracene-d10	17.12	188	951734	32.73	ng/ul	0.00
79) Pyrene-d10	19.42	212	1060104	35.47	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.28	264	1156454	33.73	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.85	94	20082	2.000	ng/ul 97
15) N-Nitroso-di-n-propylamine	8.35	70	7910	1.093	ng/ul# 1
28) Naphthalene	10.46	128	153542	5.988	ng/ul 99
30) 4-Chloroaniline	10.46	127	20366	2.184	ng/ul# 4
34) 2-Methylnaphthalene	12.08	142	99847	5.310	ng/ul 96
35) 1-Methylnaphthalene	12.30	142	65274	3.526	ng/ul 99
41) 1,1'-Biphenyl	13.10	154	29062	1.241	ng/ul# 95
45) Dimethylphthalate	13.74	163	85486	3.570	ng/ul# 98
48) Acenaphthylene	13.99	152	125664	4.540	ng/ul# 97
50) Acenaphthene	14.34	153	216266	11.023	ng/ul 98
54) Dibenzofuran	14.67	168	320244	11.406	ng/ul 100
59) Fluorene	15.33	166	298182	12.691	ng/ul 97
70) Phenanthrene	17.06	178	3421549	96.693	ng/ul 99
72) Anthracene	17.15	178	882044	24.498	ng/ul 99
75) Carbazole	17.42	167	458071	15.072	ng/ul 99
77) Fluoranthene	19.09	202	3657658	85.242	ng/ul 100
80) Pyrene	19.45	202	3180509	78.204	ng/ul 100
83) Benzo(a)anthracene	21.20	228	2056198	50.977	ng/ul 96
84) Bis(2-ethylhexyl)phthalate	21.16	149	38655	1.712	ng/ul 93
85) Chrysene	21.25	228	1803189	45.543	ng/ul 96
88) Benzo(b)fluoranthene	22.77	252	2198331	51.543	ng/ul 98
89) Benzo(k)fluoranthene	22.77	252	2198331	52.007	ng/ul 97
91) Benzo(a)pyrene	23.33	252	1605526	41.363	ng/ul 97

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QLast Update : Thu Aug 13 11:47:07 2020
Response via : Initial Calibration

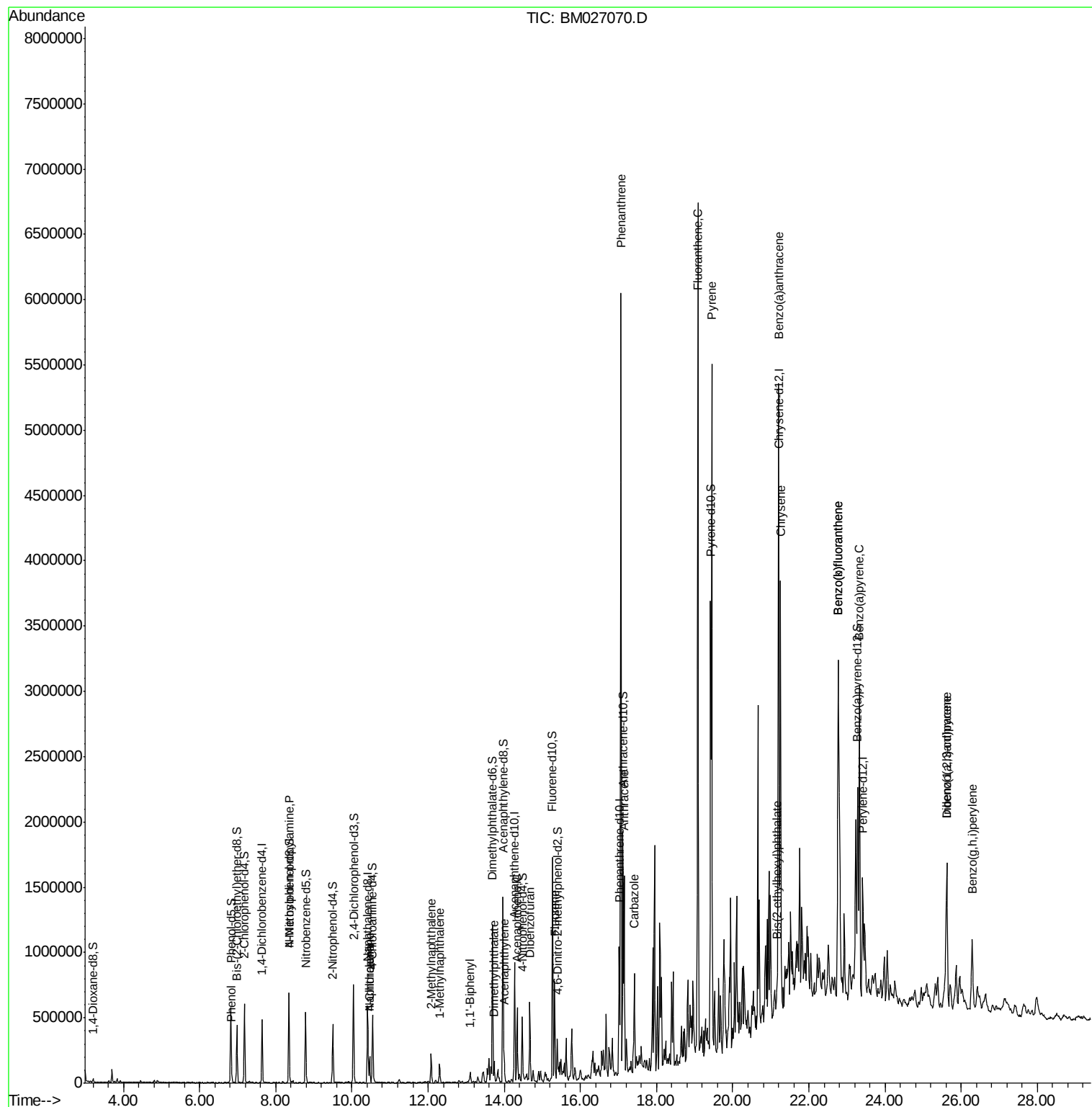
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	25.62	276	951554	19.026	ng/ul	98
93) Dibenzo(a,h)anthracene	25.62	278	313851	7.409	ng/ul#	89
94) Benzo(g,h,i)perylene	26.29	276	664125	16.077	ng/ul	98

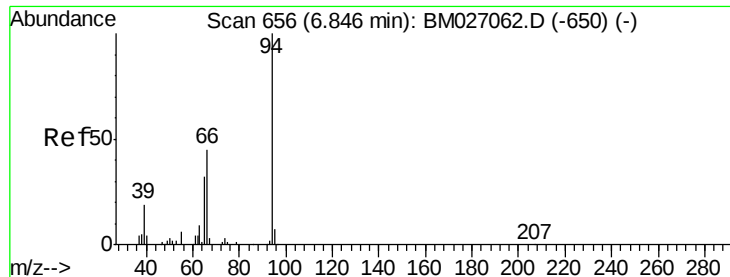
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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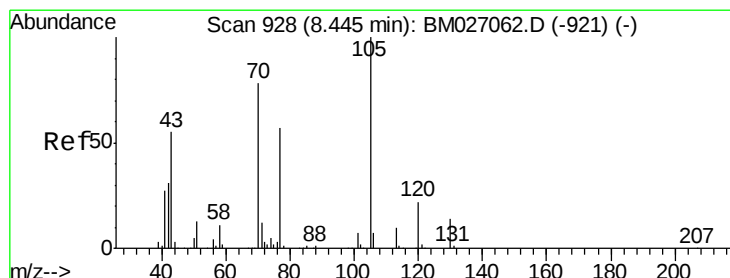
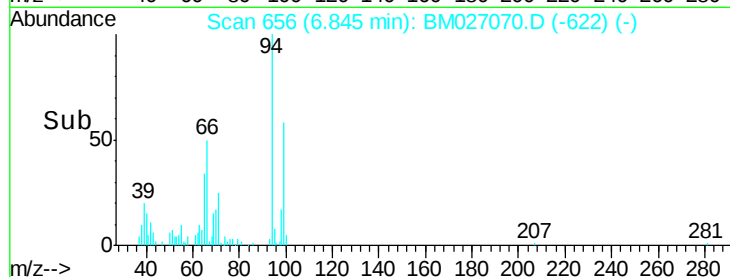
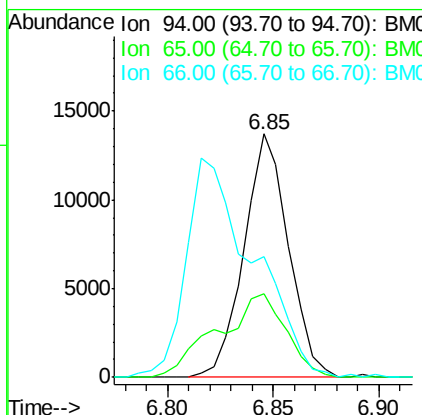
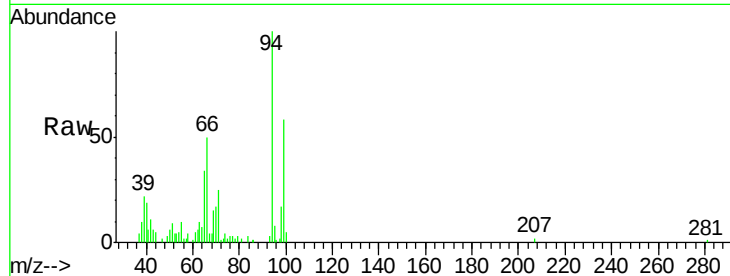
#6

Phenol

Concen: 2.000 ng/ul
 RT: 6.85 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: BM027070.D
 Acq: 13 Aug 2020 20:40

Instrument :
 BNA_M
 ClientSampled :
 BFM70

Tot Ion: 94 Resp: 20082
 Ion Ratio Lower Upper
 94 100
 65 34.3 28.6 43.0
 66 49.8 41.3 61.9

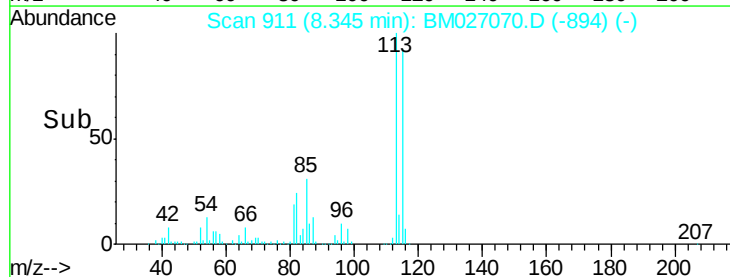
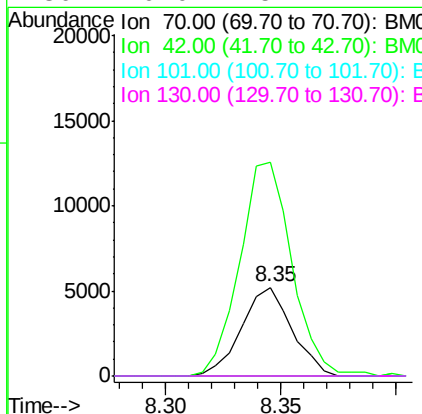
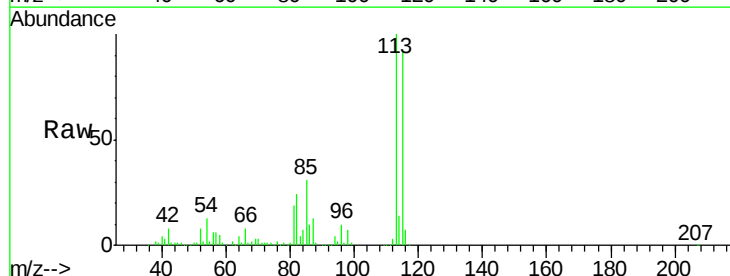


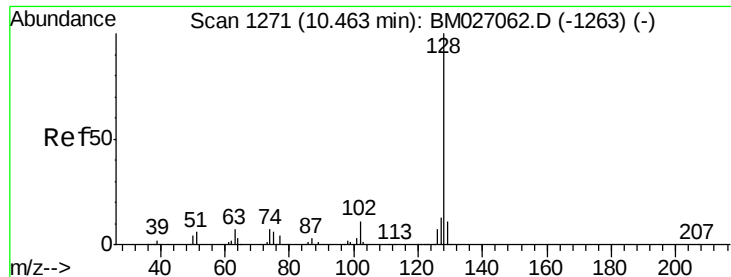
#15

N-Nitroso-di-n-propylamine

Concen: 1.093 ng/ul
 RT: 8.35 min Scan# 911
 Delta R.T. -0.10 min
 Lab File: BM027070.D
 Acq: 13 Aug 2020 20:40

Tgt Ion: 70 Resp: 7910
 Ion Ratio Lower Upper
 70 100
 42 241.0 34.2 51.2#
 101 0.0 6.8 10.2#
 130 0.0 15.1 22.7#





#28

Naphthalene

Concen: 5.988 ng/ul

RT: 10.46 min Scan# 1271

Delta R.T. 0.01 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Instrument :

BNA_M

ClientSampleId :

BFM70

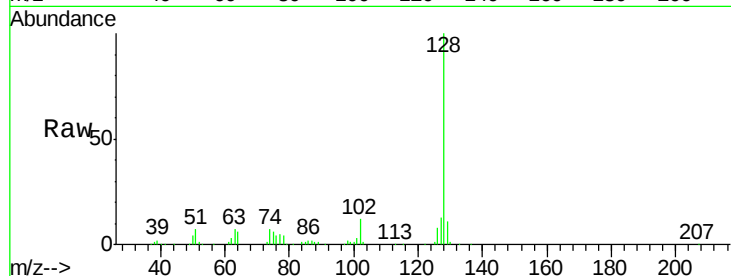
Tot Ion:128 Resp: 153542

Ion Ratio Lower Upper

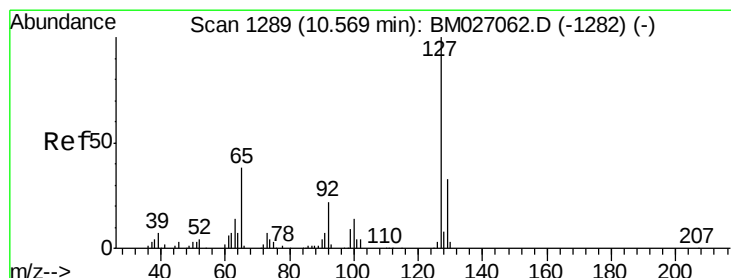
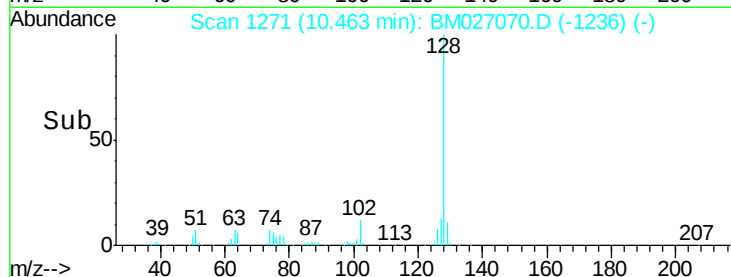
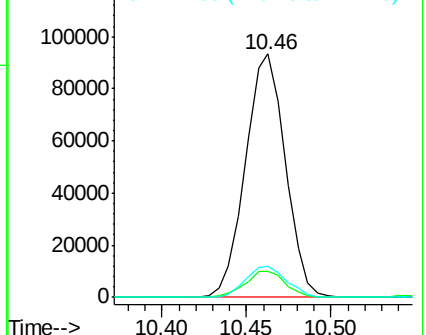
128 100

129 10.7 9.0 13.6

127 12.8 10.5 15.7



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



#30

4-Chloroaniline

Concen: 2.184 ng/ul

RT: 10.46 min Scan# 1271

Delta R.T. -0.11 min

Lab File: BM027070.D

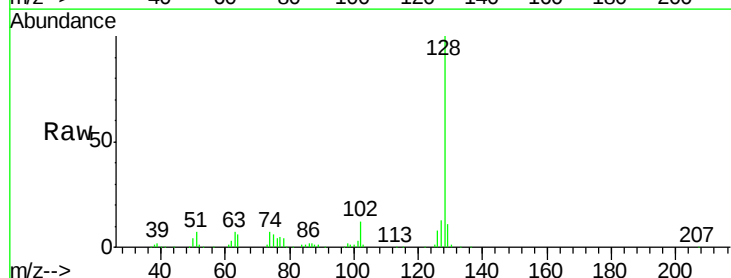
Acq: 13 Aug 2020 20:40

Tgt Ion:127 Resp: 20366

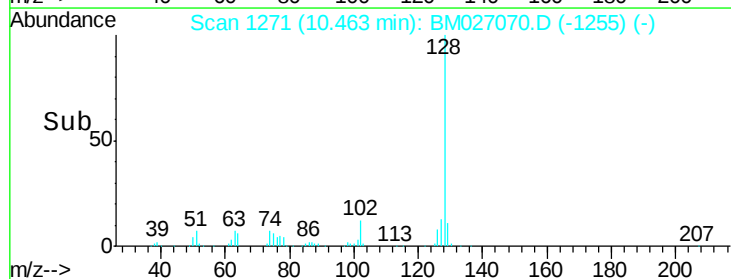
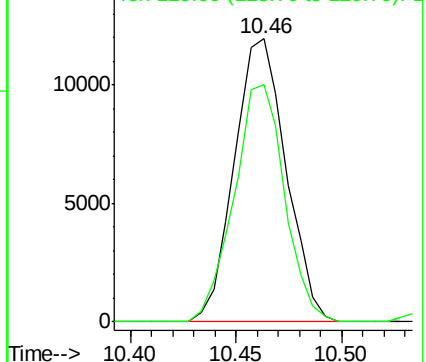
Ion Ratio Lower Upper

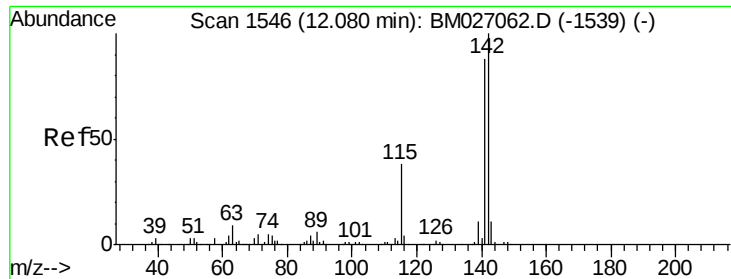
127 100

129 84.0 24.9 37.3#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

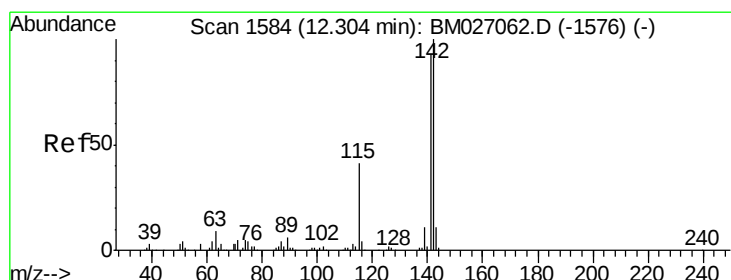
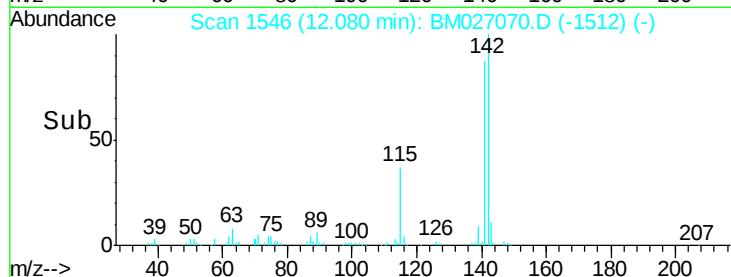
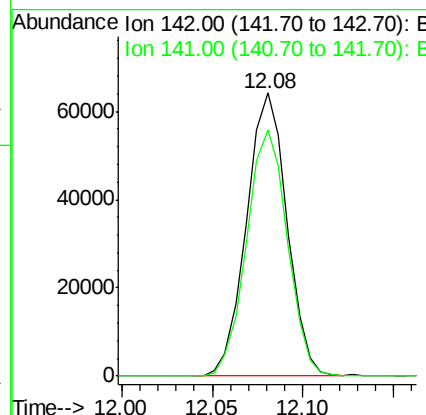
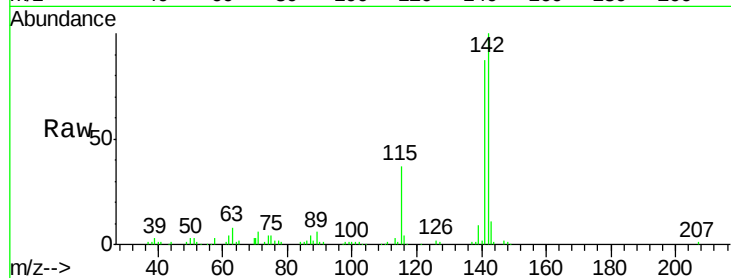




#34
 2-Methylnaphthalene
 Concen: 5.310 ng/ul
 RT: 12.08 min Scan# 1546
 Delta R.T. -0.00 min
 Lab File: BM027070.D
 Acq: 13 Aug 2020 20:40

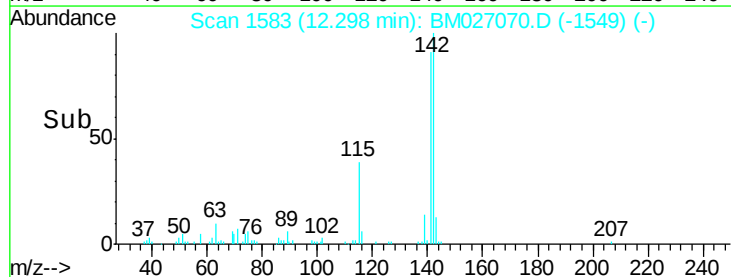
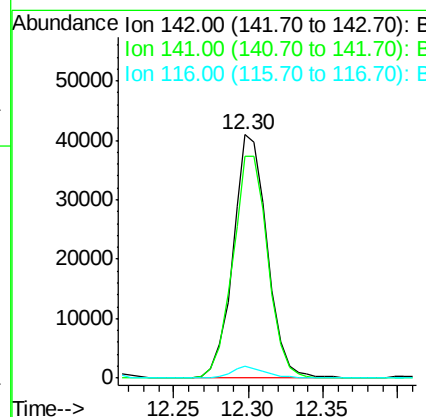
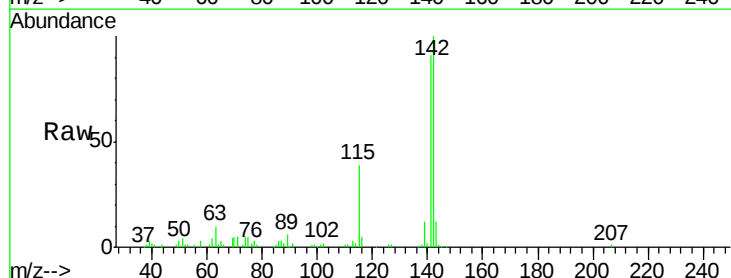
Instrument :
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 ClientSampleId :
 BFM70

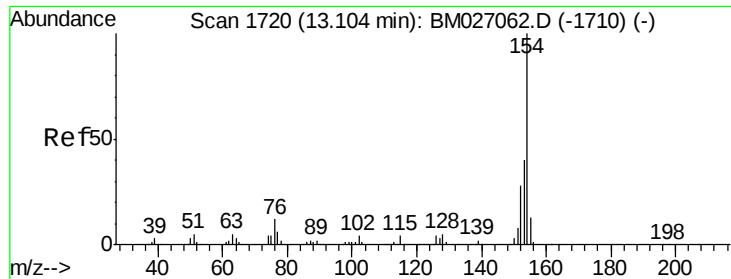
Tot Ion:142 Resp: 99847
 Ion Ratio Lower Upper
 142 100
 141 86.8 72.4 108.6



#35
 1-Methylnaphthalene
 Concen: 3.526 ng/ul
 RT: 12.30 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BM027070.D
 Acq: 13 Aug 2020 20:40

Tgt Ion:142 Resp: 65274
 Ion Ratio Lower Upper
 142 100
 141 91.2 72.2 108.2
 116 4.8 3.4 5.0





#41

1,1'-Biphenyl

Concen: 1.241 ng/ul

RT: 13.10 min Scan# 1720

Delta R.T. -0.00 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Instrument :

BNA_M

ClientSampleId :

BFM70

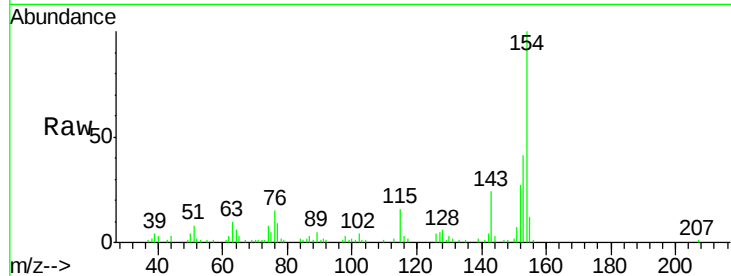
Tot Ion:154 Resp: 29062

Ion Ratio Lower Upper

154 100

153 41.5 31.6 47.4

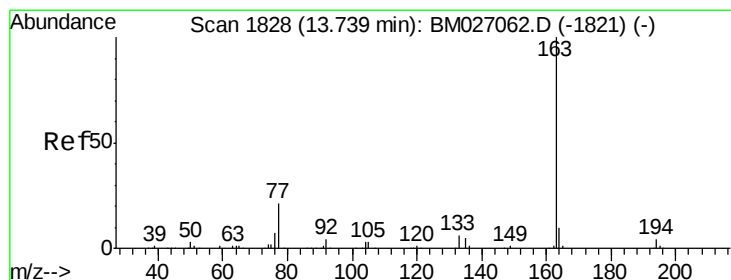
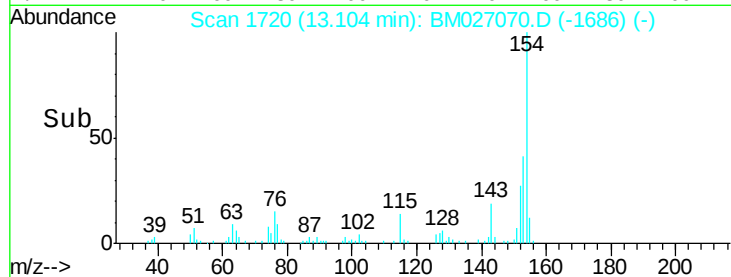
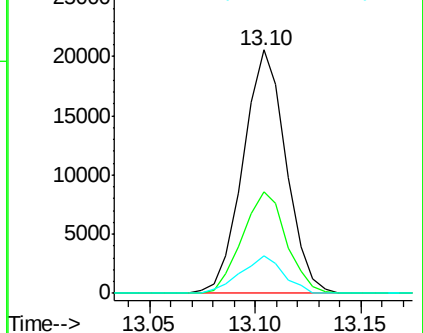
76 15.5 9.3 13.9#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#45

Dimethylphthalate

Concen: 3.570 ng/ul

RT: 13.74 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

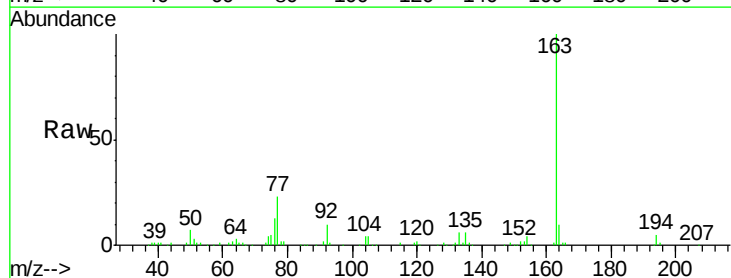
Tgt Ion:163 Resp: 85486

Ion Ratio Lower Upper

163 100

194 5.2 3.2 4.8#

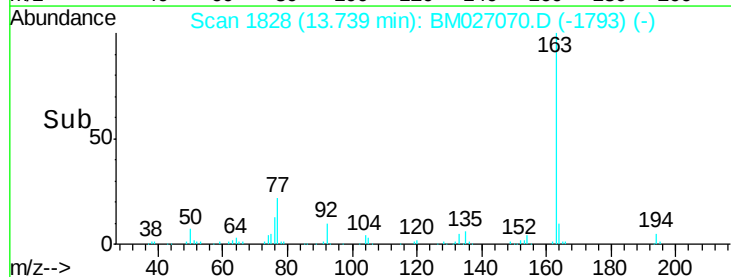
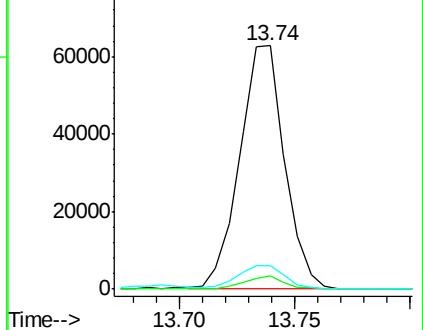
164 9.5 8.2 12.2

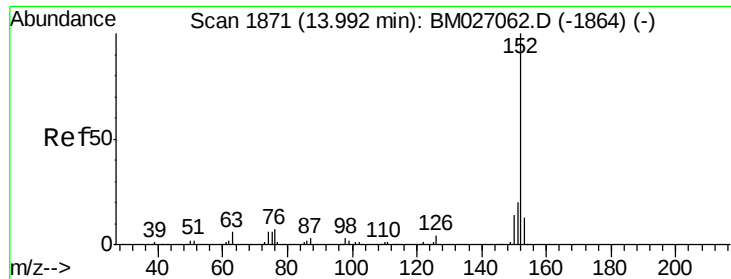


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 4.540 ng/ul

RT: 13.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BM027070.D

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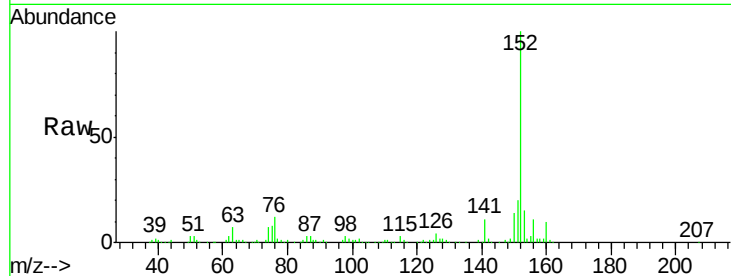
Tot Ion:152 Resp: 125664

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

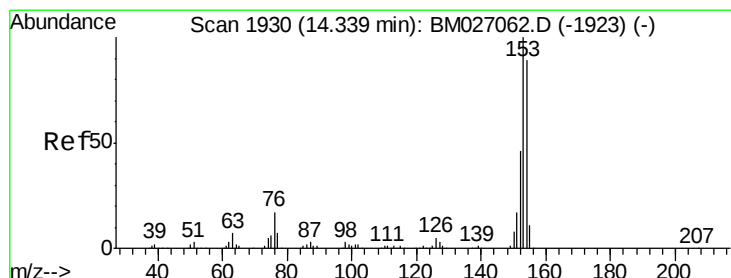
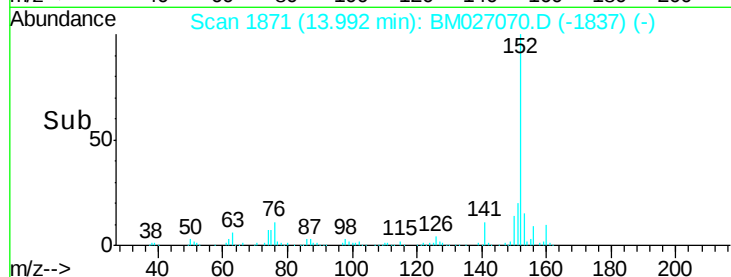
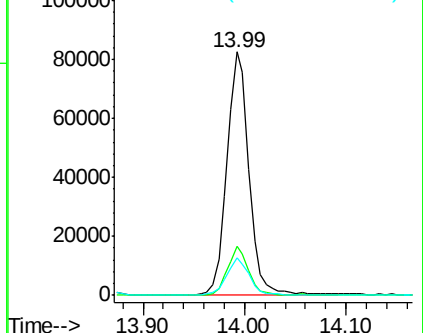
153 15.3 9.8 14.8#



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



#50

Acenaphthene

Concen: 11.023 ng/ul

RT: 14.34 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

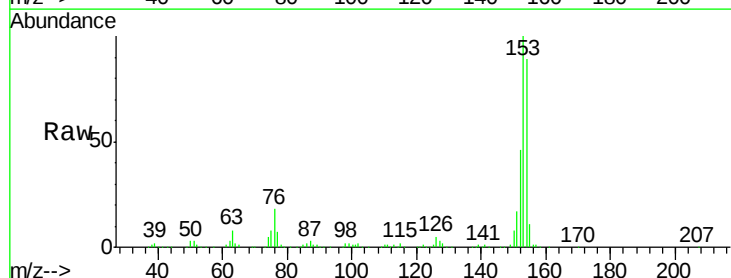
Tgt Ion:153 Resp: 216266

Ion Ratio Lower Upper

153 100

152 46.3 35.9 53.9

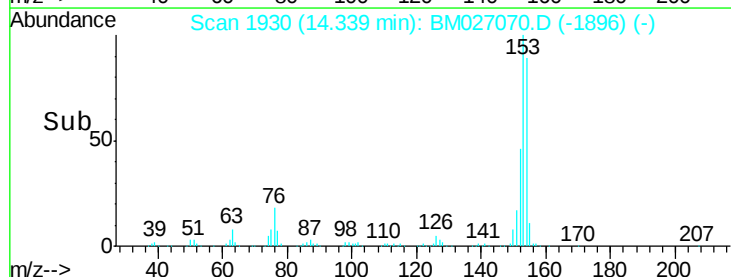
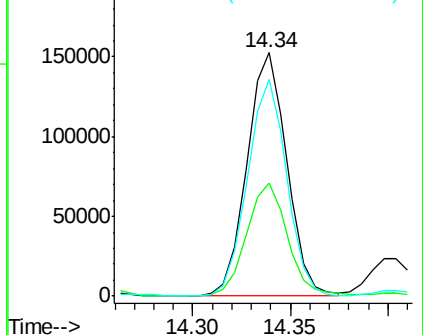
154 89.1 69.4 104.0

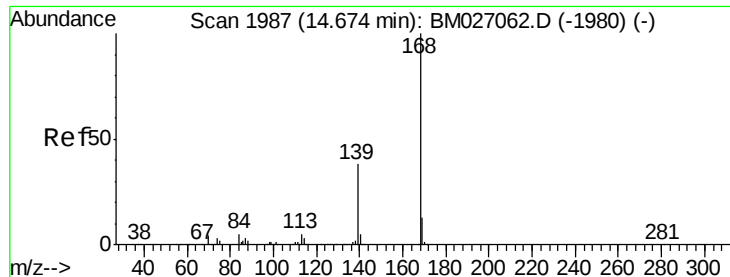


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 11.406 ng/ul

RT: 14.67 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BM027070.D

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Instrument :

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ClientSampleId :

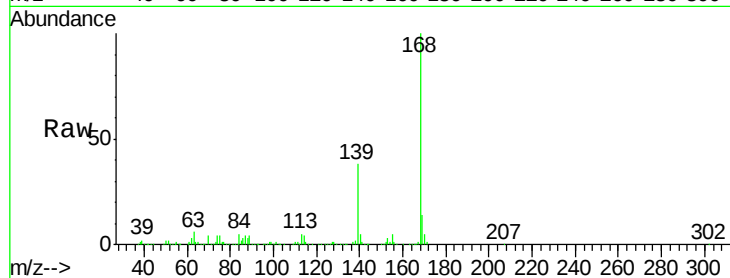
BFM70

Tot Ion:168 Resp: 320244

Ion Ratio Lower Upper

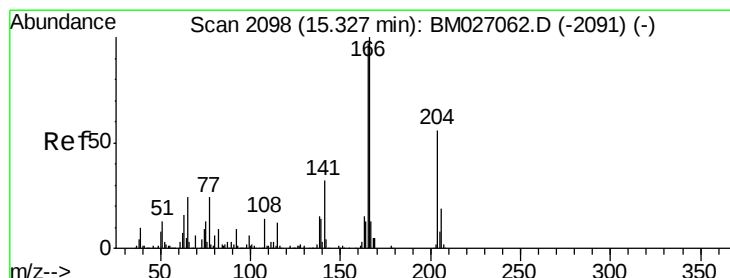
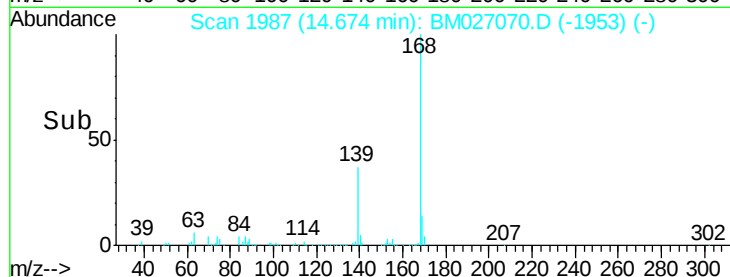
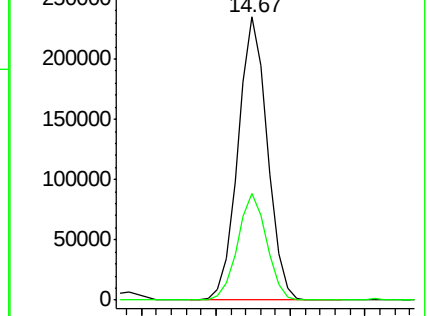
168 100

139 37.5 29.9 44.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 12.691 ng/ul

RT: 15.33 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

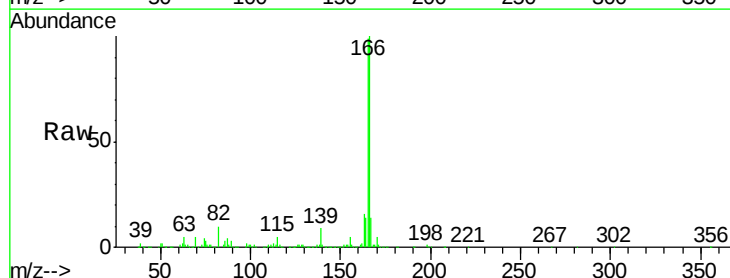
Tgt Ion:166 Resp: 298182

Ion Ratio Lower Upper

166 100

165 98.8 76.9 115.3

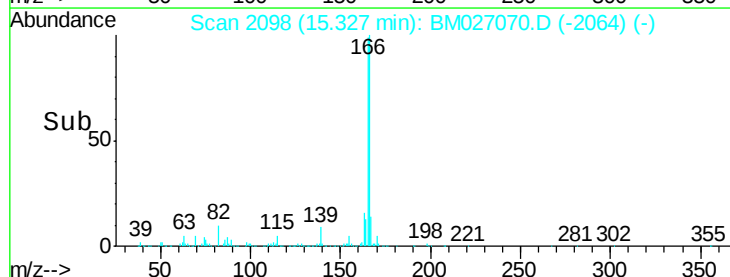
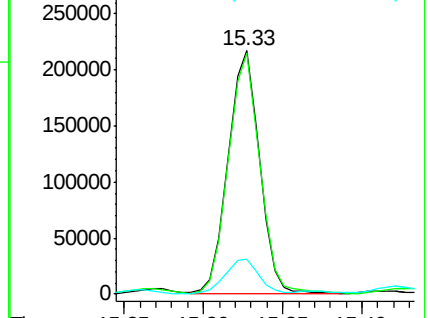
167 14.2 10.5 15.7

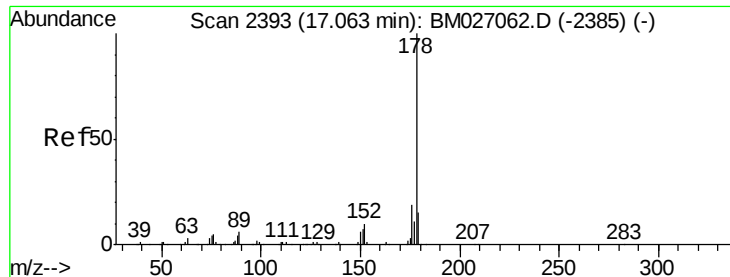


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 96.693 ng/ul

RT: 17.06 min Scan# 2393

Delta R.T. 0.01 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Instrument :

BNA_M

ClientSampleId :

BFM70

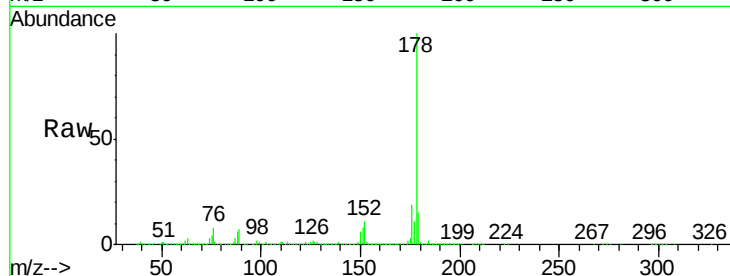
Tot Ion:178 Resp: 3421549

Ion Ratio Lower Upper

178 100

179 15.2 11.9 17.9

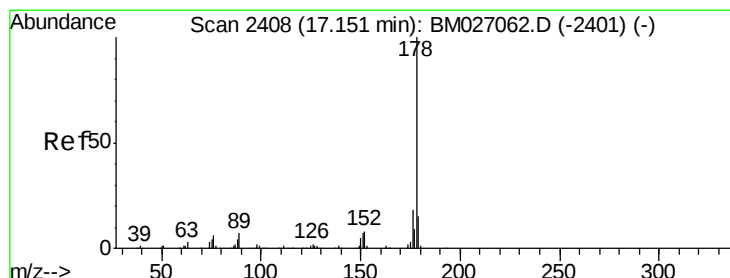
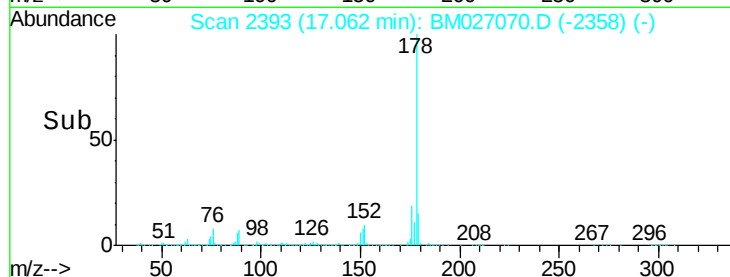
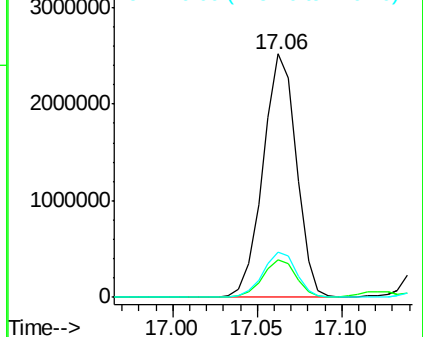
176 18.7 14.6 22.0



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: 24.498 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

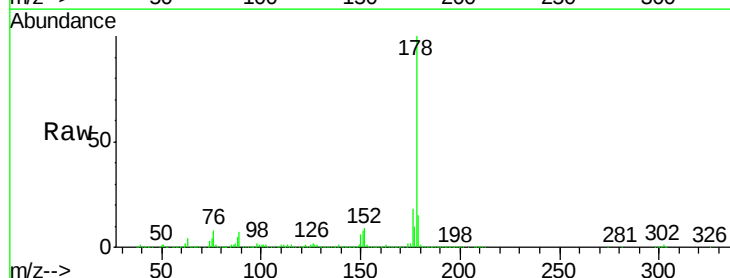
Tgt Ion:178 Resp: 882044

Ion Ratio Lower Upper

178 100

179 15.3 12.0 18.0

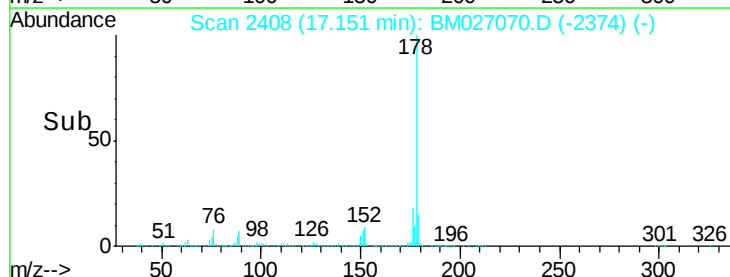
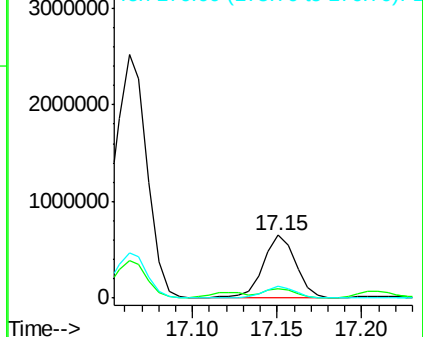
176 18.3 14.3 21.5

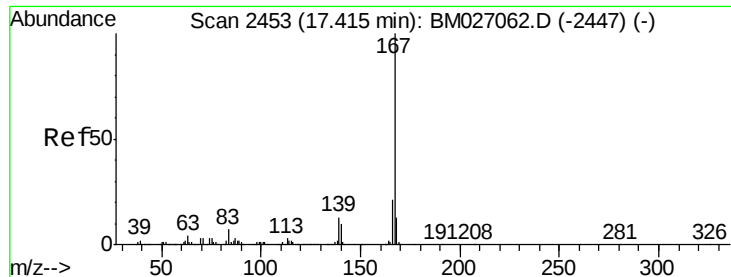


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 15.072 ng/ul

RT: 17.42 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Instrument :

BNA_M

ClientSampled :

BFM70

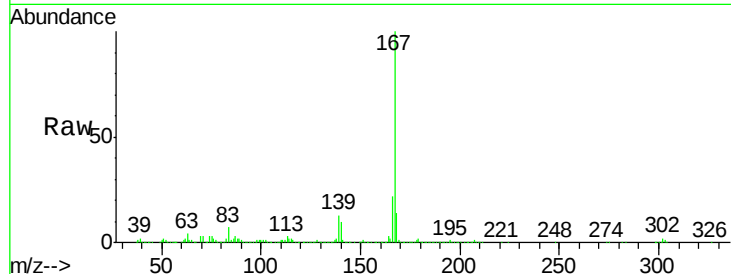
Tot Ion:167 Resp: 458071

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

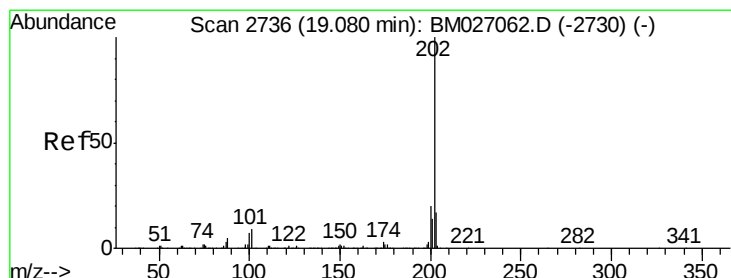
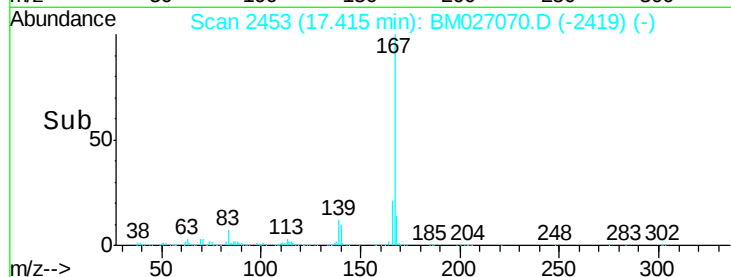
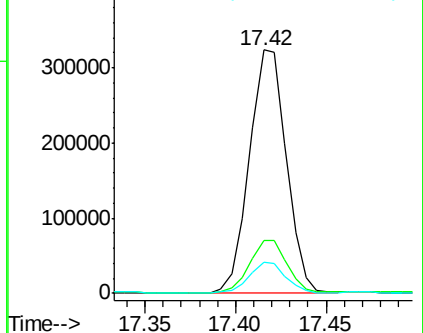
139 12.9 9.8 14.6



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: 85.242 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. 0.01 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

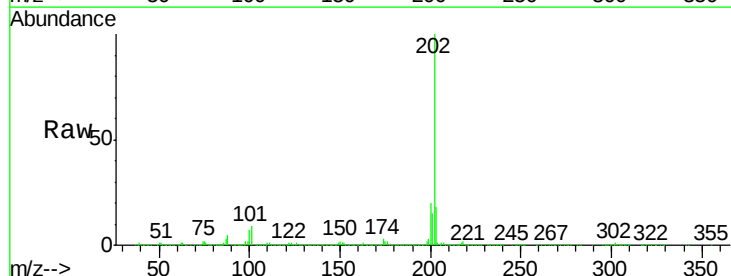
Tgt Ion:202 Resp: 3657658

Ion Ratio Lower Upper

202 100

101 8.5 6.7 10.1

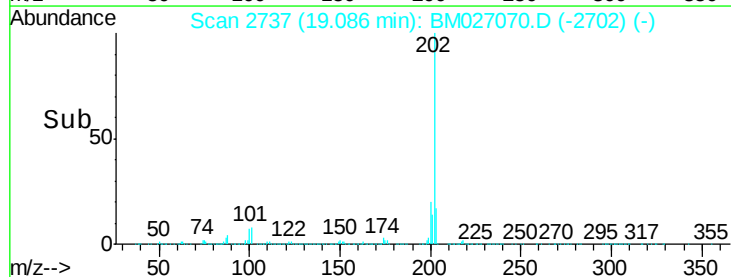
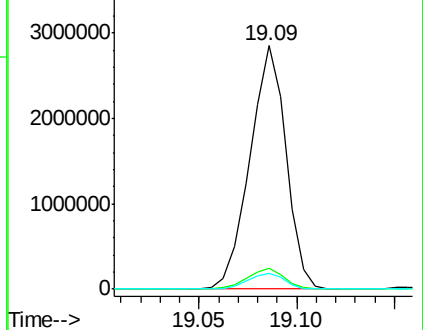
100 6.7 5.4 8.2

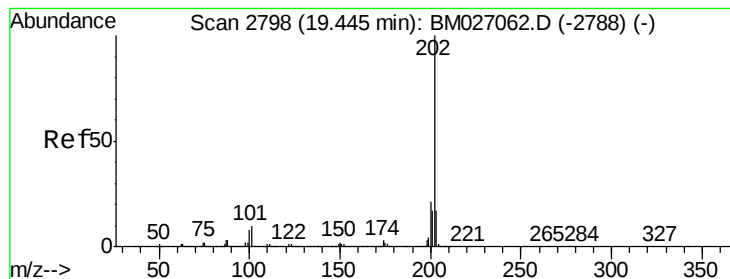


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Pvrene

Concen: 78.204 ng/ul

RT: 19.45 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Instrument :

BNA_M

ClientSampleId :

BFM70

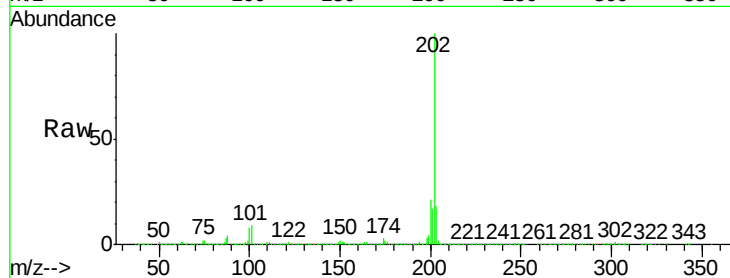
Tot Ion:202 Resp: 3180509

Ion Ratio Lower Upper

202 100

101 9.3 7.6 11.4

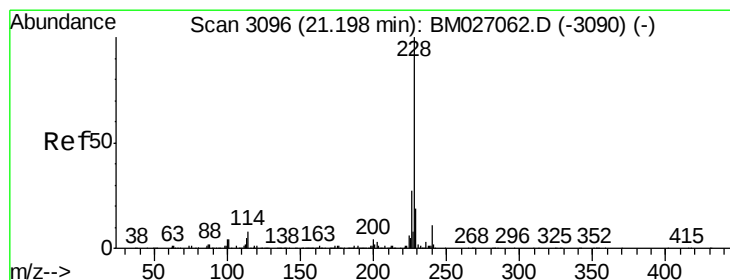
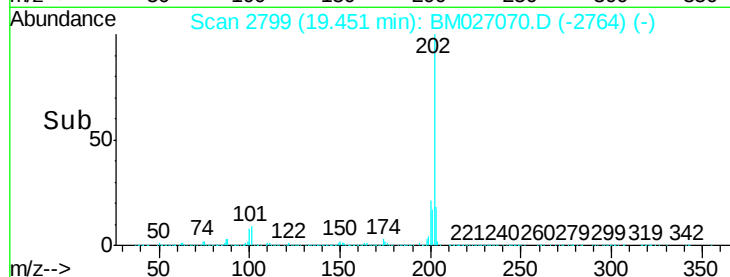
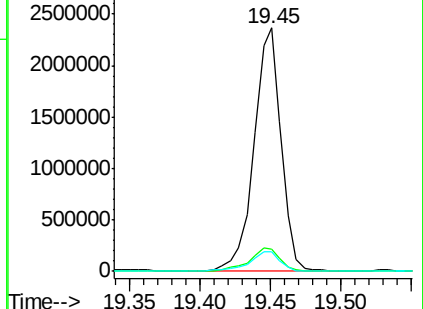
100 7.9 6.3 9.5



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: 50.977 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

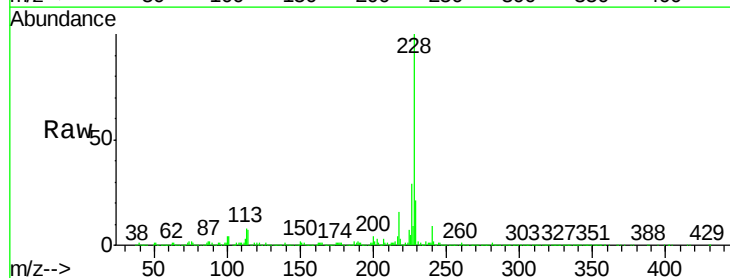
Tgt Ion:228 Resp: 2056198

Ion Ratio Lower Upper

228 100

229 20.8 15.8 23.6

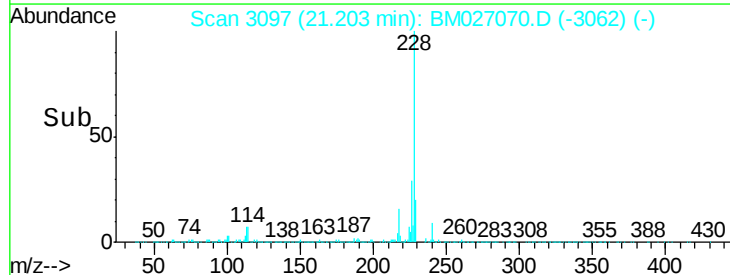
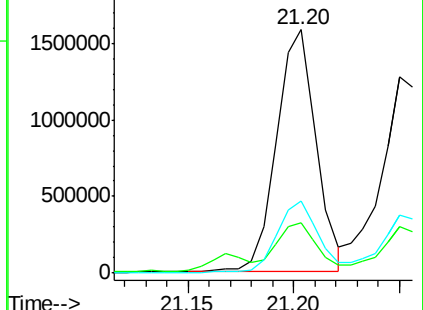
226 29.5 21.2 31.8

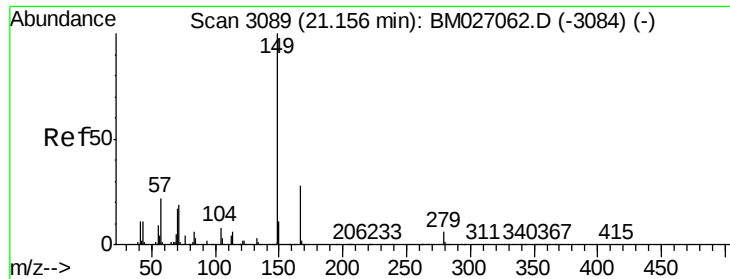


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

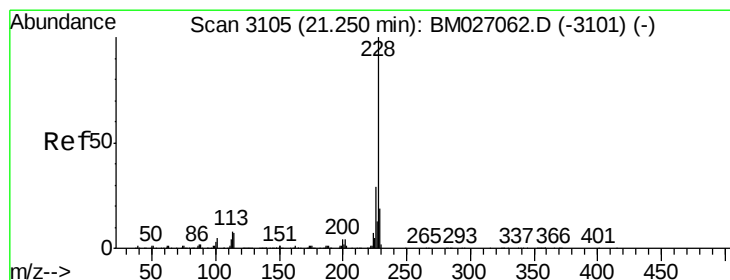
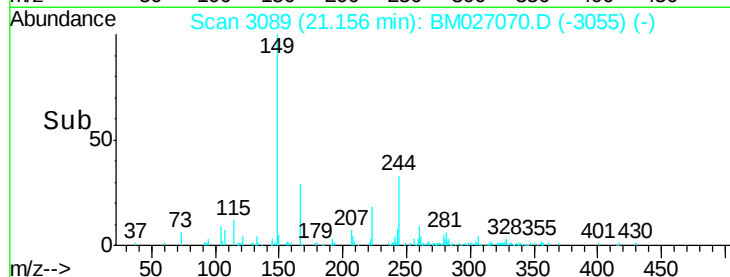
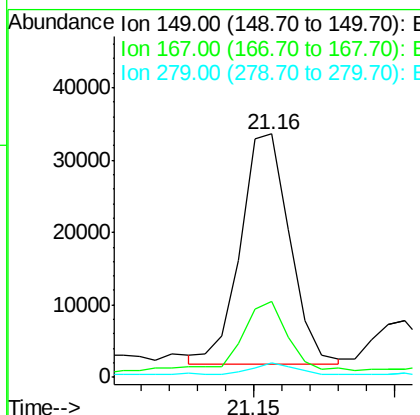
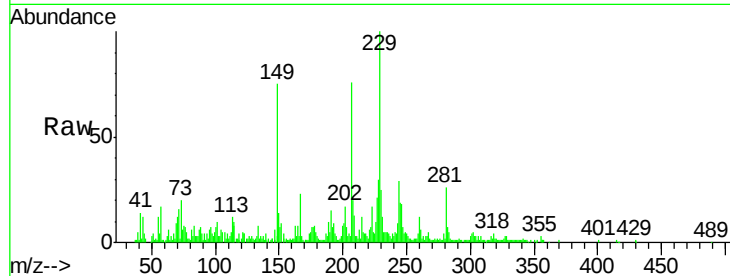




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.712 ng/ul
 RT: 21.16 min Scan# 3089
 Delta R.T. -0.00 min
 Lab File: BM027070.D
 Acq: 13 Aug 2020 20:40

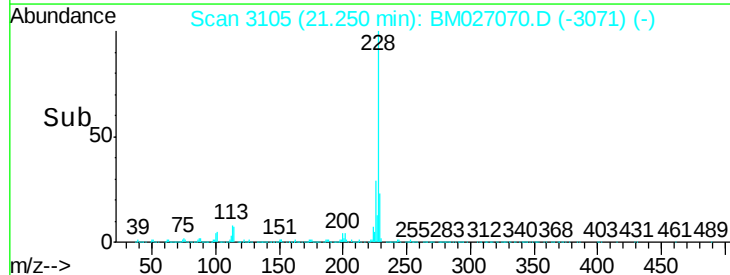
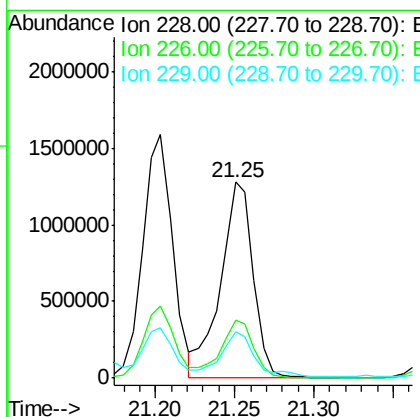
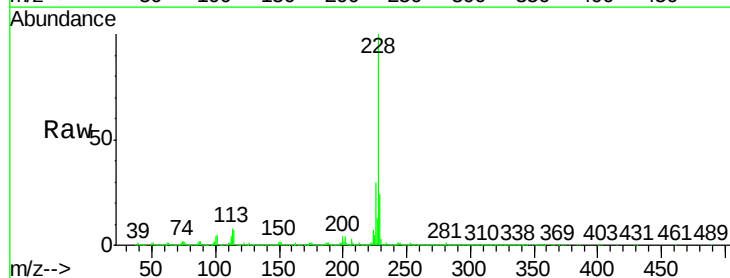
Instrument :
 BNA_M
 ClientSampleId :
 BFM70

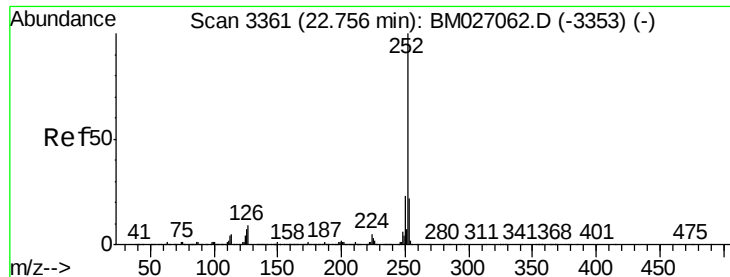
Tot Ion:149 Resp: 38655
 Ion Ratio Lower Upper
 149 100
 167 31.1 21.6 32.4
 279 5.7 3.9 5.9



#85
 Chrysene
 Concen: 45.543 ng/ul
 RT: 21.25 min Scan# 3105
 Delta R.T. -0.00 min
 Lab File: BM027070.D
 Acq: 13 Aug 2020 20:40

Tgt Ion:228 Resp: 1803189
 Ion Ratio Lower Upper
 228 100
 226 29.6 23.8 35.6
 229 23.7 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 51.543 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Instrument :

BNA_M

ClientSampleId :

BFM70

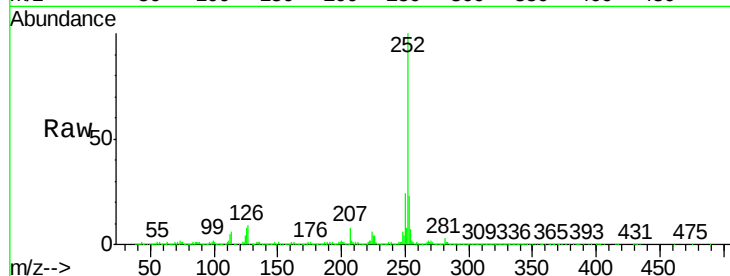
Tot Ion:252 Resp: 2198331

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

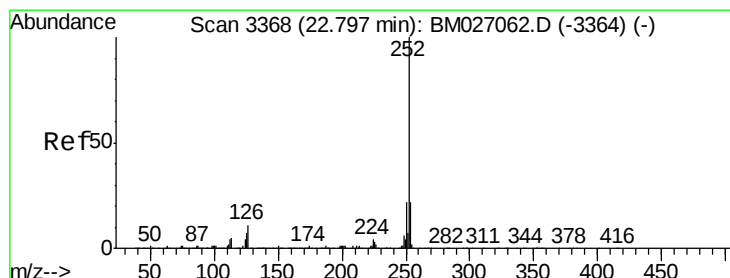
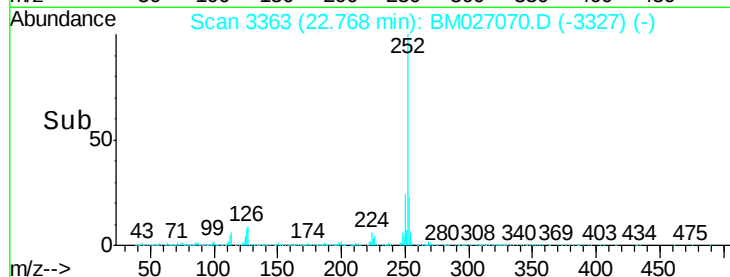
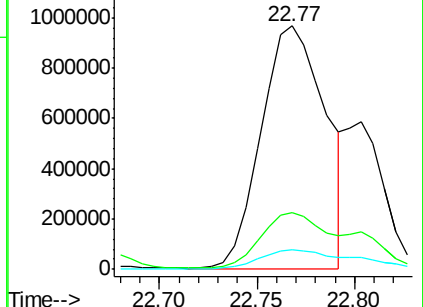
125 8.0 6.0 9.0



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: 52.007 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.03 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

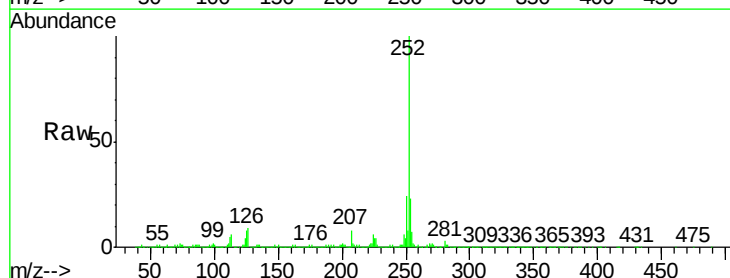
Tgt Ion:252 Resp: 2198331

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

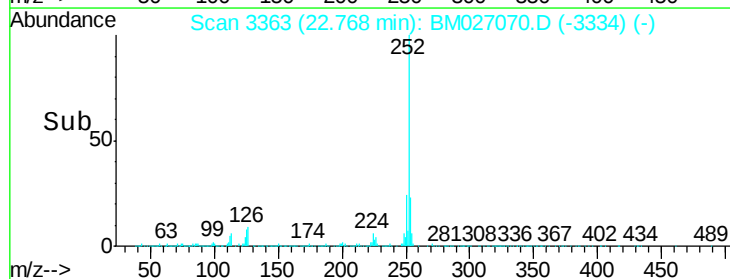
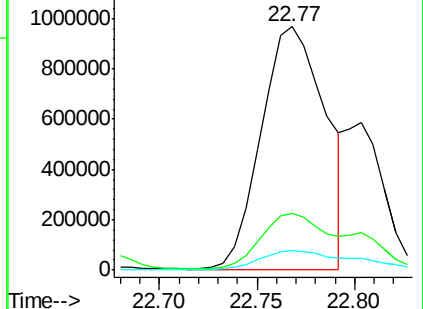
125 8.0 5.5 8.3

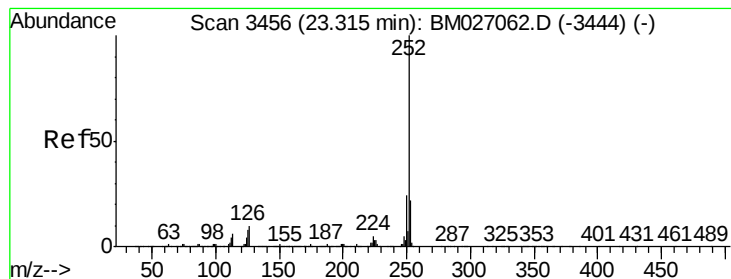


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 41.363 ng/ul

RT: 23.33 min Scan# 3458

Delta R.T. 0.01 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Instrument :

BNA_M

ClientSampleId :

BFM70

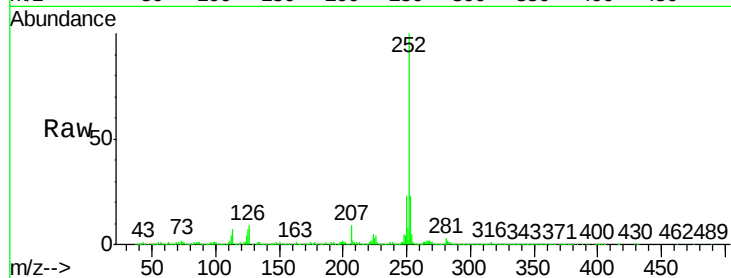
Tot Ion:252 Resp: 1605526

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

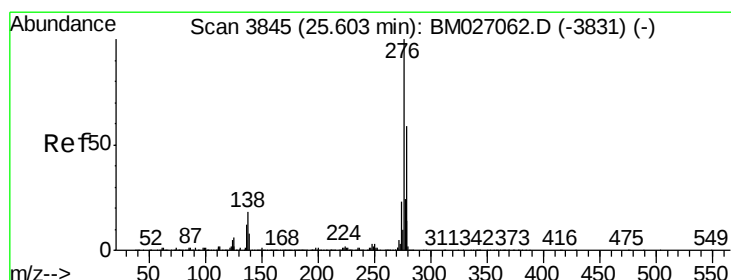
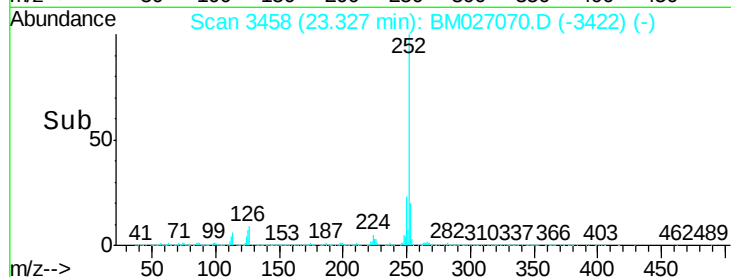
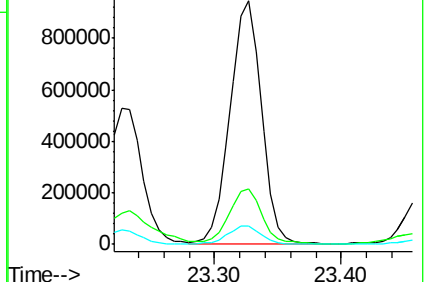
125 7.4 5.8 8.8



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: 19.026 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.02 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

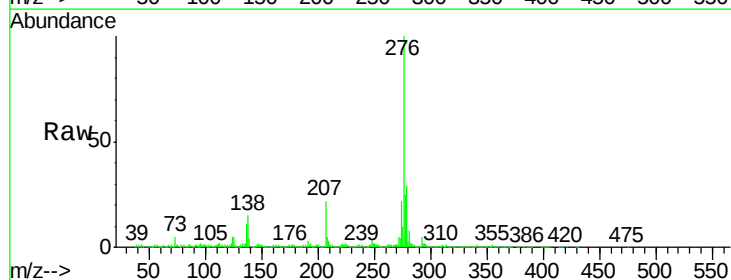
Tgt Ion:276 Resp: 951554

Ion Ratio Lower Upper

276 100

138 14.9 13.9 20.9

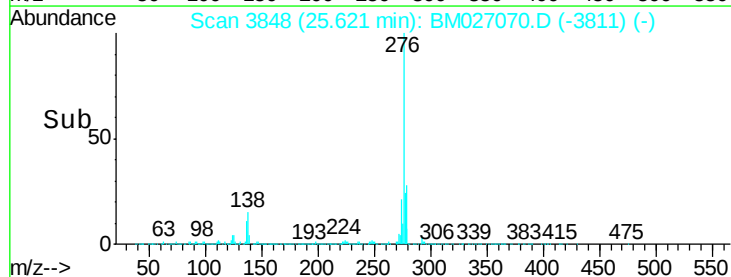
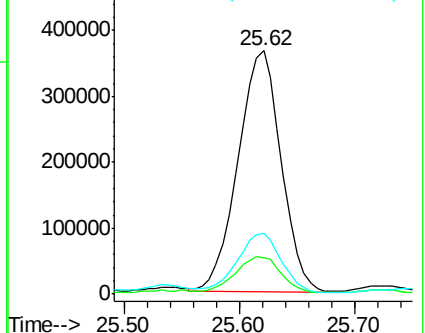
277 24.8 19.8 29.8

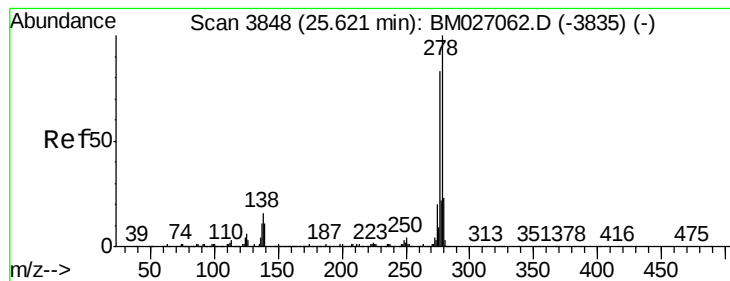


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 7.409 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Instrument :

BNA_M

ClientSampleId :

BFM70

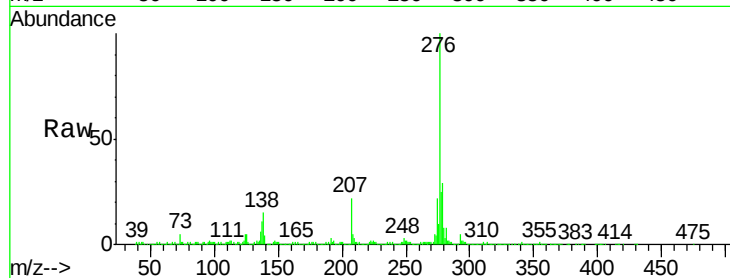
Tot Ion:278 Resp: 313851

Ion Ratio Lower Upper

278 100

139 15.3 9.4 14.0#

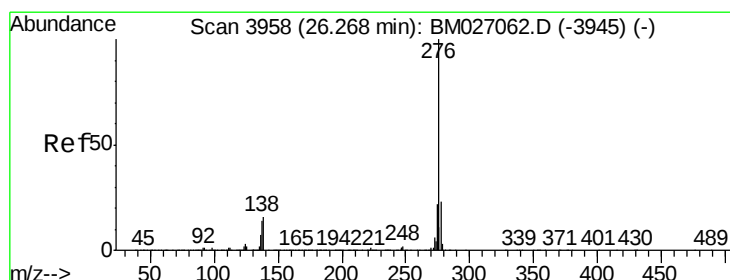
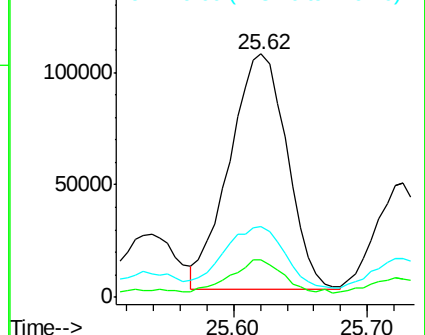
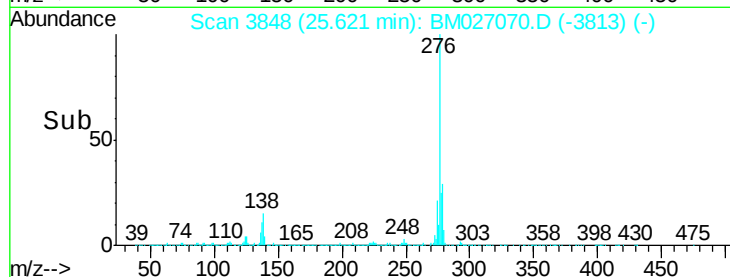
279 28.9 18.7 28.1#



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: 16.077 ng/ul

RT: 26.29 min Scan# 3961

Delta R.T. 0.01 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

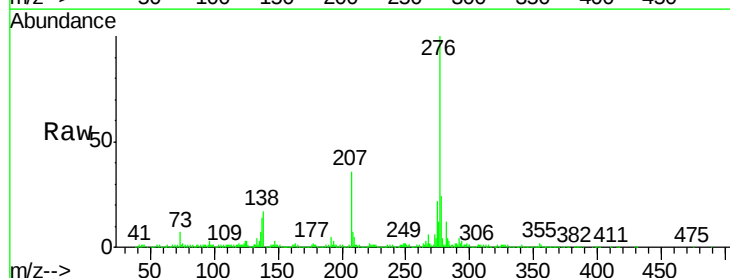
Tgt Ion:276 Resp: 664125

Ion Ratio Lower Upper

276 100

138 16.5 12.3 18.5

277 24.3 19.0 28.6



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

