

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027071.D
 Acq On : 13 Aug 2020 21:17
 Operator : JU/CG
 Sample : L3630-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFM72

Quant Time: Aug 14 01:26:41 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	7.64	152	126809	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	476418	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	297877	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	610520	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	597133	20.00	ng/ul	0.00
86) Perylene-d12	23.41	264	612200	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	12350	4.43	ng/uL	0.00
5) Phenol-d5	6.82	99	282252	28.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	178783	26.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	218989	28.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	240228	31.25	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	113180	29.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	125920	32.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	254927	30.99	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	261196	27.32	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	738204	31.08	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	929573	32.84	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	106834	26.64	ng/ul	0.00
58) Fluorene-d10	15.27	176	627033	30.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	61169	18.34	ng/ul	0.00
71) Anthracene-d10	17.12	188	941074	31.29	ng/ul	0.00
79) Pyrene-d10	19.42	212	1034436	34.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.28	264	1116414	32.67	ng/ul	0.01

Target Compounds

				Ovalue	
6) Phenol	6.85	94	19880	1.912	ng/ul 97
15) N-Nitroso-di-n-propylamine	8.35	70	7570	1.010	ng/ul# 1
28) Naphthalene	10.46	128	50063	1.891	ng/ul 99
34) 2-Methylnaphthalene	12.08	142	23355	1.203	ng/ul 98
35) 1-Methylnaphthalene	12.30	142	20717	1.084	ng/ul 98
45) Dimethylphthalate	13.73	163	104723	4.207	ng/ul 99
48) Acenaphthylene	13.99	152	104717	3.639	ng/ul 98
50) Acenaphthene	14.34	153	55528	2.723	ng/ul 95
54) Dibenzofuran	14.67	168	66698	2.285	ng/ul 96
59) Fluorene	15.33	166	65631	2.687	ng/ul 94
70) Phenanthrene	17.06	178	1302872	35.596	ng/ul 99
72) Anthracene	17.15	178	272331	7.312	ng/ul 99
75) Carbazole	17.42	167	121901	3.878	ng/ul 99
77) Fluoranthene	19.08	202	2103635	47.397	ng/ul 99
80) Pyrene	19.44	202	1952294	48.167	ng/ul 98
83) Benzo(a)anthracene	21.20	228	1140570	28.373	ng/ul 96
85) Chrysene	21.25	228	1134200	28.744	ng/ul 97
88) Benzo(b)fluoranthene	22.76	252	1692762	39.819	ng/ul 98
89) Benzo(k)fluoranthene	22.76	252	1692762	40.178	ng/ul 96
91) Benzo(a)pyrene	23.33	252	1231146	31.822	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.61	276	881430	17.682	ng/ul 98
93) Dibenz(a,h)anthracene	25.62	278	268035	6.348	ng/ul# 89
94) Benzo(g,h,i)perylene	26.29	276	765952	18.602	ng/ul 99

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Response via : Initial Calibration

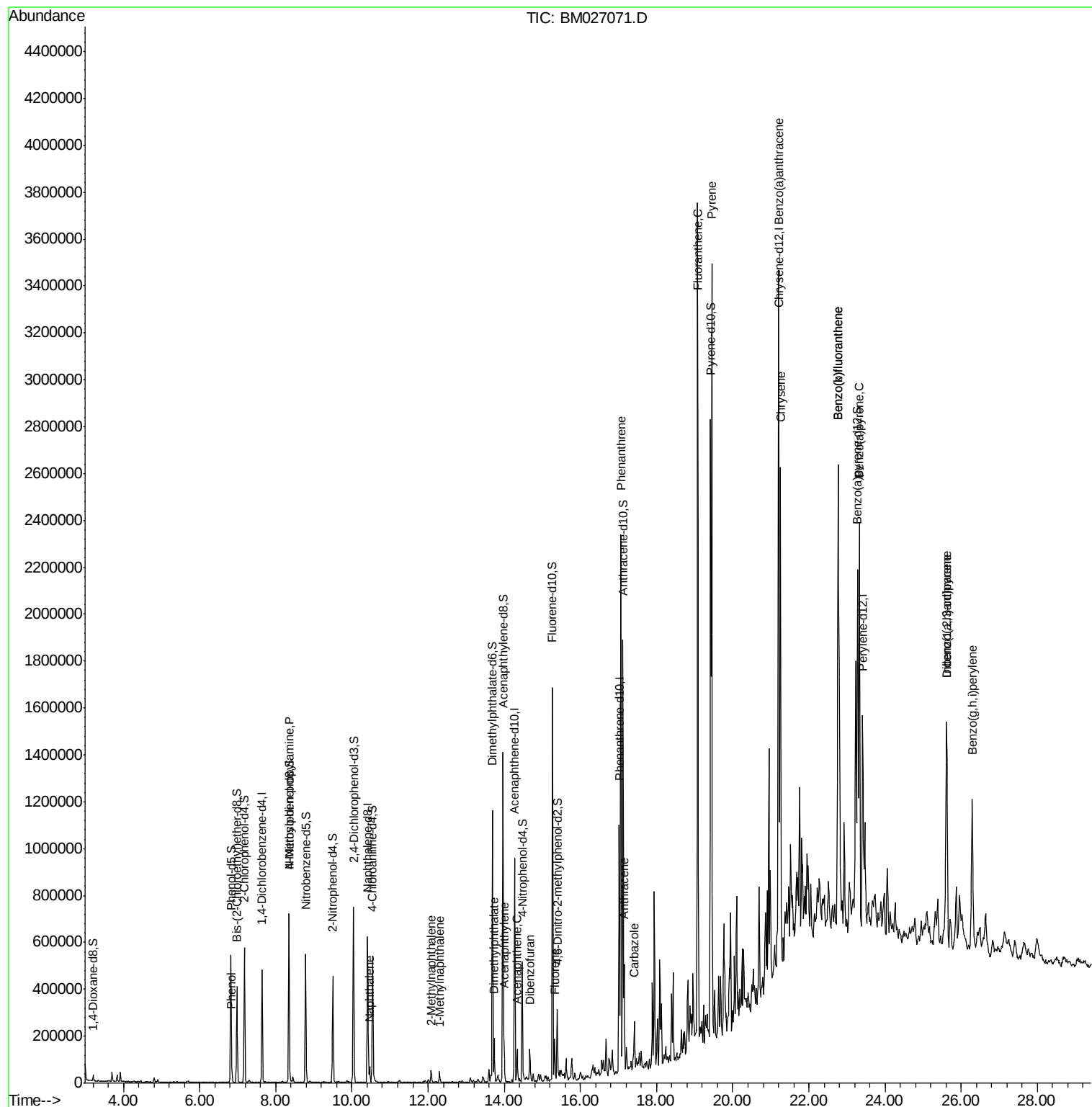
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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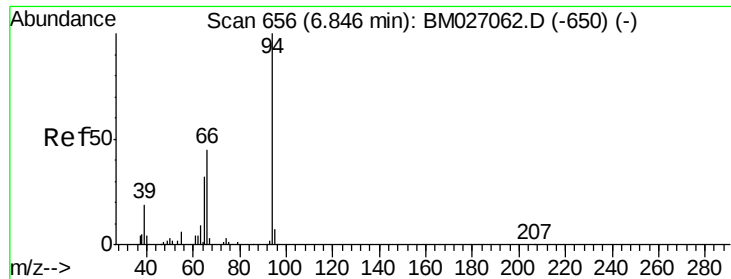
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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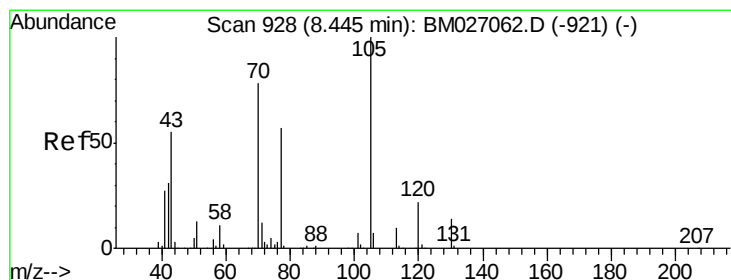
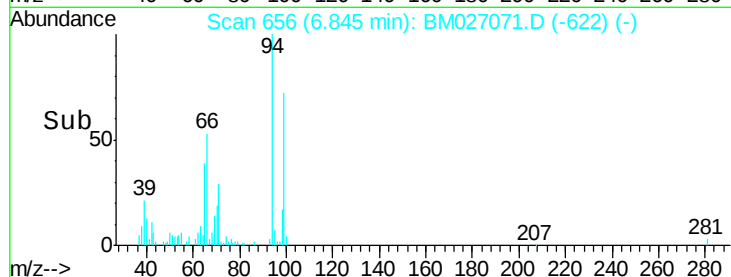
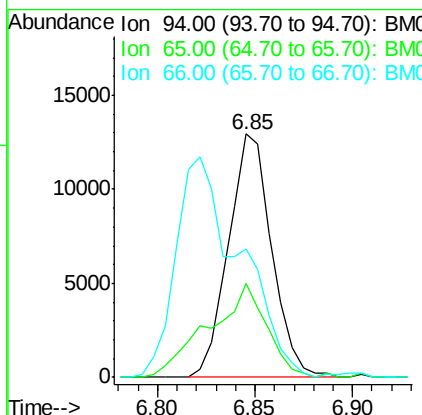
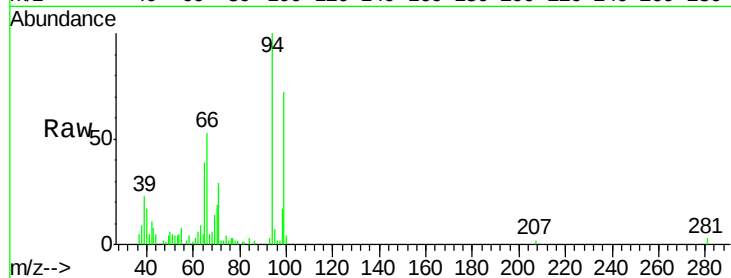
#6

Phenol

Concen: 1.912 ng/ul
 RT: 6.85 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: BM027071.D
 Acq: 13 Aug 2020 21:17

Instrument :
 BNA_M
 ClientSampleId :
 BFM72

Tot Ion: 94 Resp: 19880
 Ion Ratio Lower Upper
 94 100
 65 38.7 28.6 43.0
 66 52.6 41.3 61.9

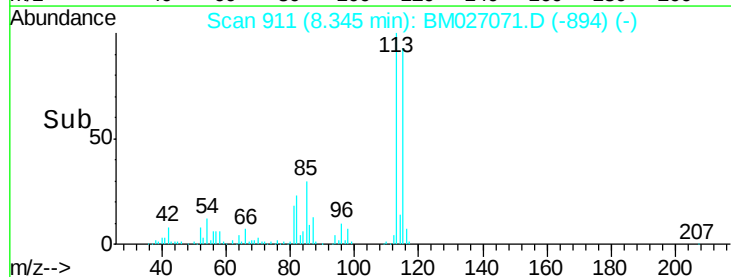
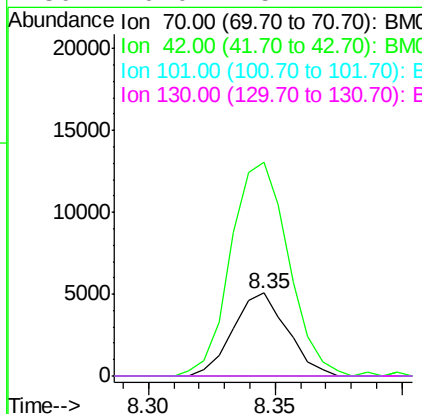
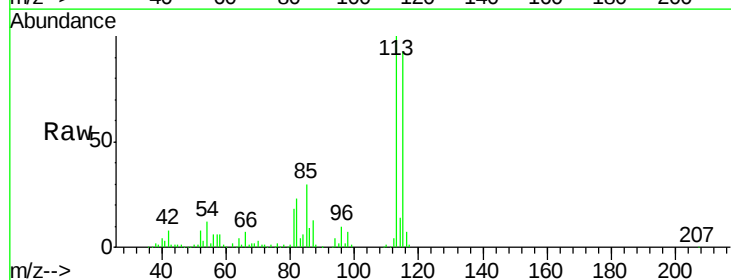


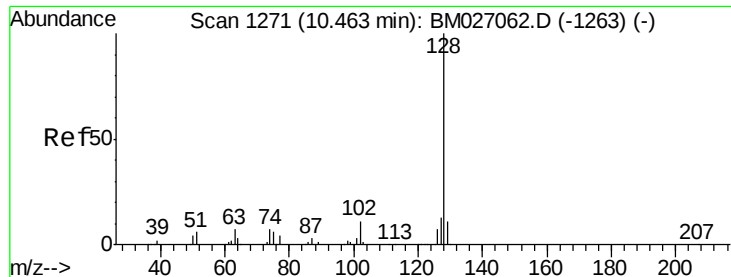
#15

N-Nitroso-di-n-propylamine

Concen: 1.010 ng/ul
 RT: 8.35 min Scan# 911
 Delta R.T. -0.10 min
 Lab File: BM027071.D
 Acq: 13 Aug 2020 21:17

Tgt Ion: 70 Resp: 7570
 Ion Ratio Lower Upper
 70 100
 42 258.3 34.2 51.2#
 101 0.0 6.8 10.2#
 130 0.0 15.1 22.7#





#28

Naphthalene

Concen: 1.891 ng/ul

RT: 10.46 min Scan# 1271

Delta R.T. 0.01 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

Instrument :

BNA_M

ClientSampleId :

BFM72

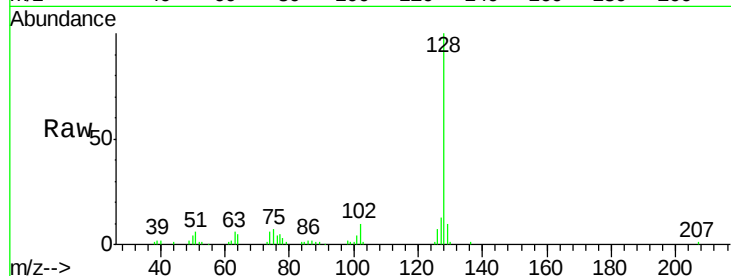
Tot Ion:128 Resp: 50063

Ion Ratio Lower Upper

128 100

129 10.2 9.0 13.6

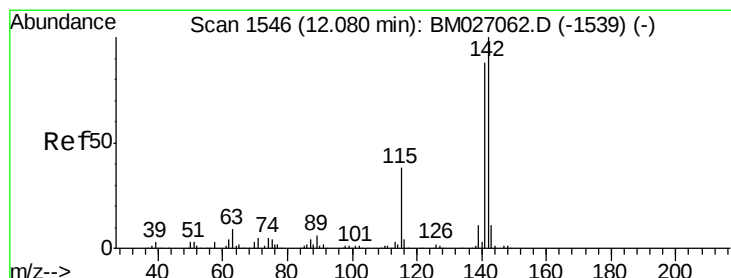
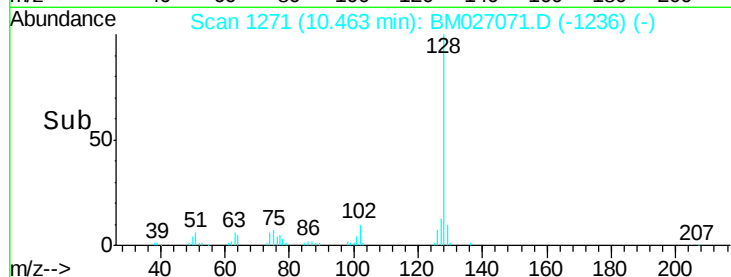
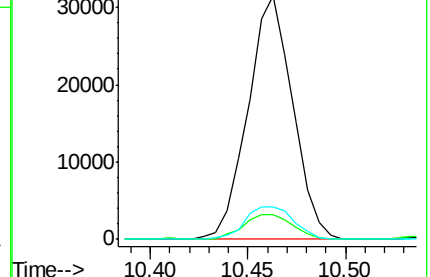
127 13.1 10.5 15.7



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



#34

2-Methylnaphthalene

Concen: 1.203 ng/ul

RT: 12.08 min Scan# 1546

Delta R.T. -0.00 min

Lab File: BM027071.D

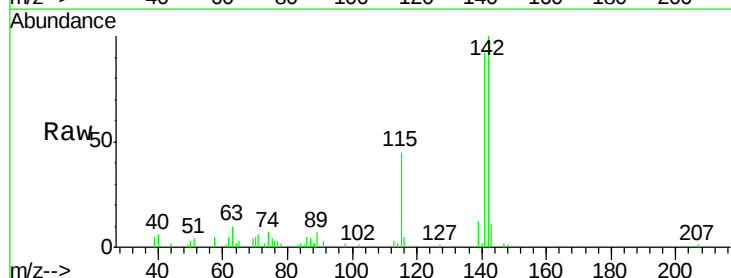
Acq: 13 Aug 2020 21:17

Tgt Ion:142 Resp: 23355

Ion Ratio Lower Upper

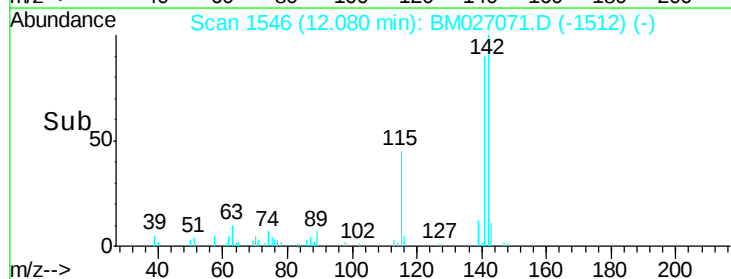
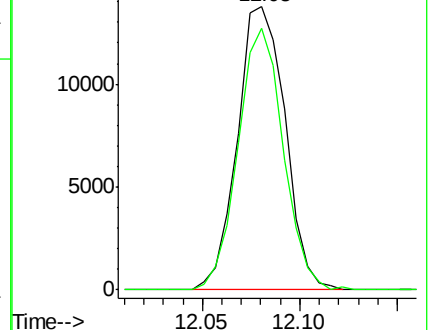
142 100

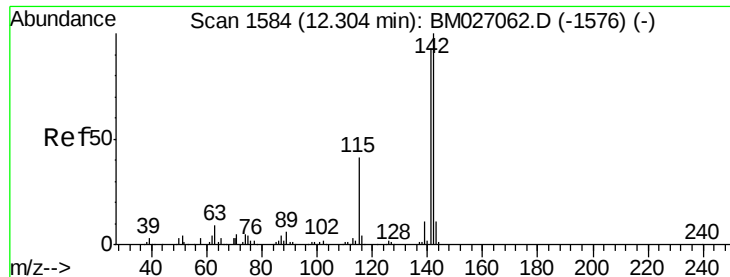
141 92.4 72.4 108.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

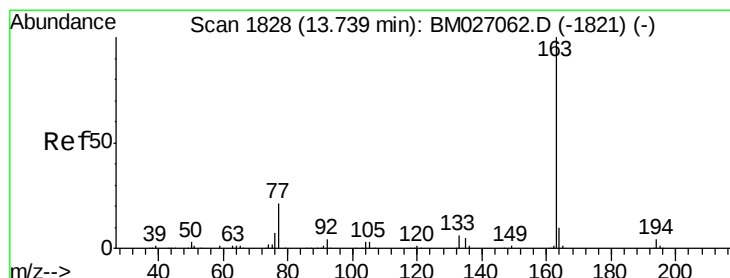
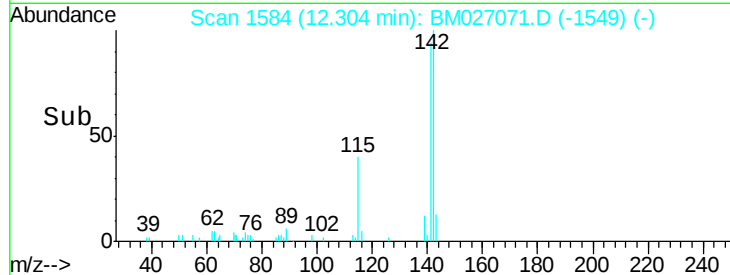
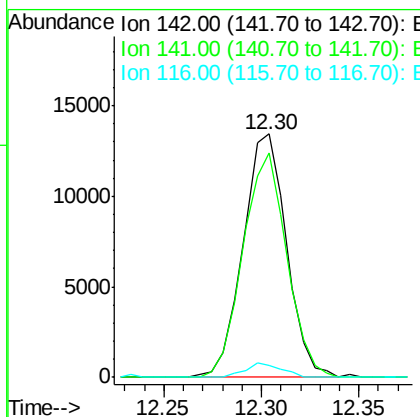
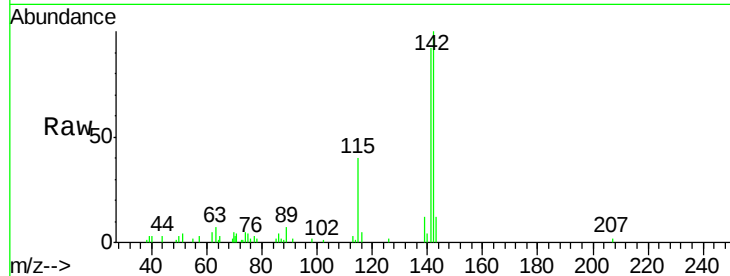




#35
1-Methylnaphthalene
Concen: 1.084 ng/ul
RT: 12.30 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

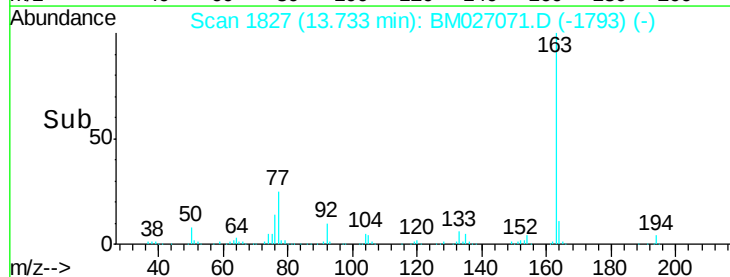
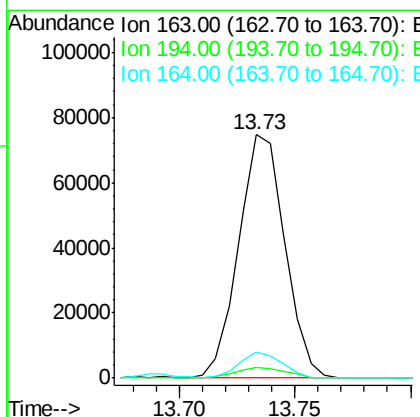
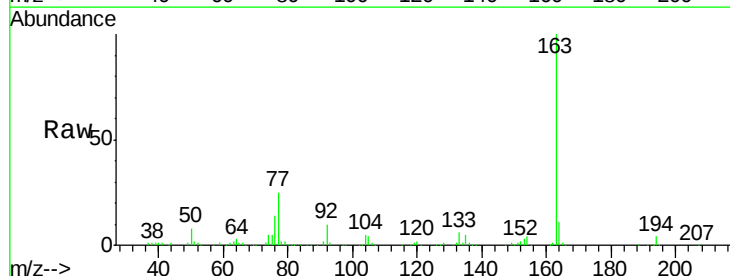
Instrument :
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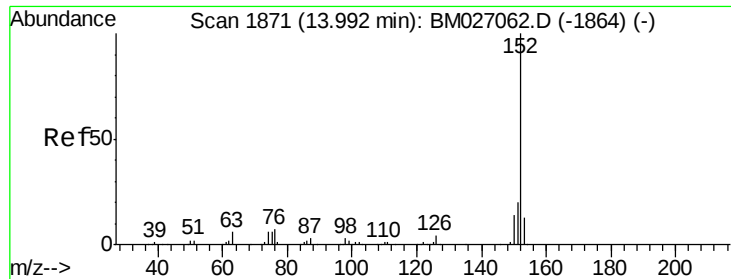
Tot Ion:142 Resp: 20717
Ion Ratio Lower Upper
142 100
141 92.0 72.2 108.2
116 5.0 3.4 5.0



#45
Dimethylphthalate
Concen: 4.207 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Tgt Ion:163 Resp: 104723
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 10.6 8.2 12.2





#48

Acenaphthylene

Concen: 3.639 ng/ul

RT: 13.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

Instrument :

BNA_M

ClientSampleId :

BFM72

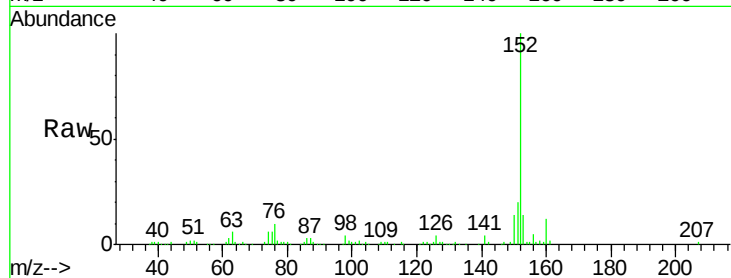
Tot Ion:152 Resp: 104717

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

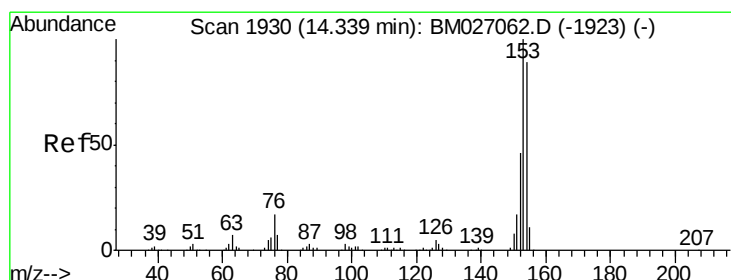
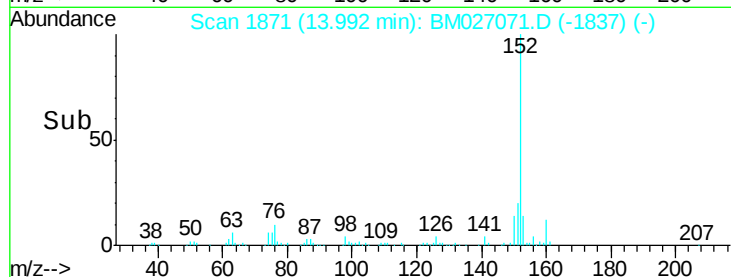
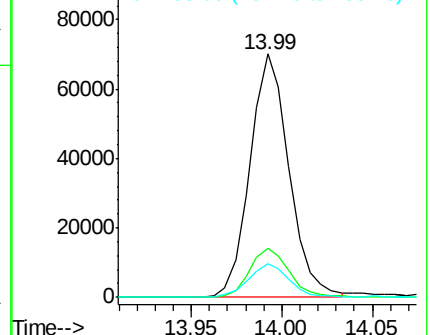
153 13.6 9.8 14.8



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: 2.723 ng/ul

RT: 14.34 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

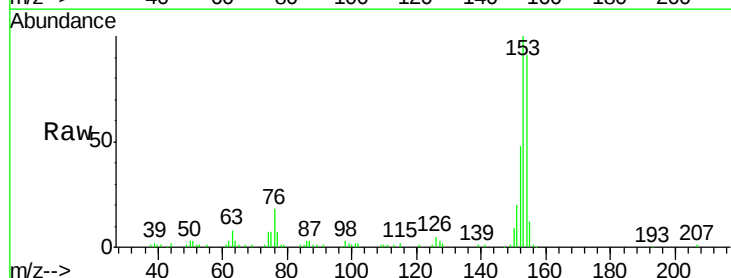
Tgt Ion:153 Resp: 55528

Ion Ratio Lower Upper

153 100

152 48.0 35.9 53.9

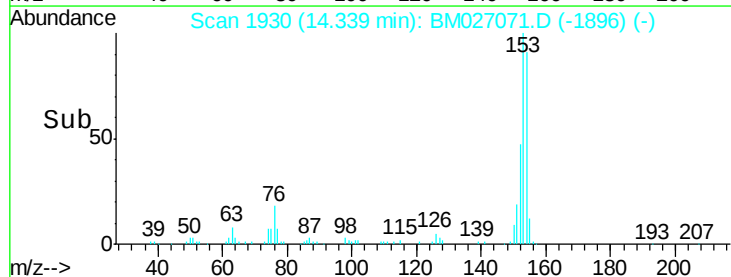
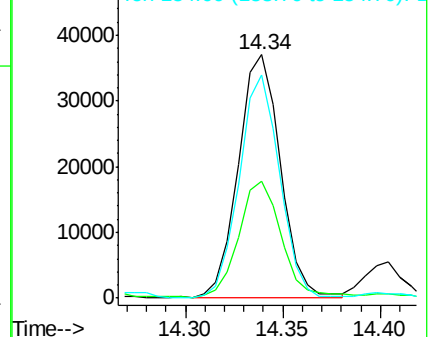
154 91.5 69.4 104.0

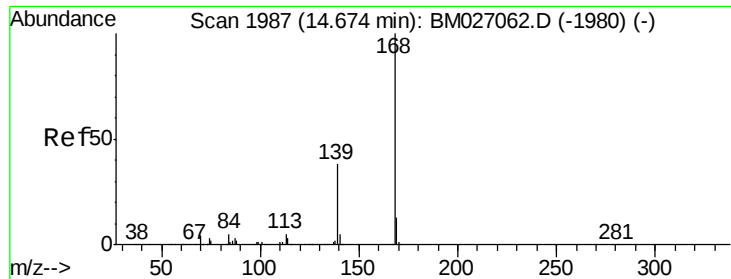


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 2.285 ng/ul

RT: 14.67 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BM027071.D

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ClientSampleId :

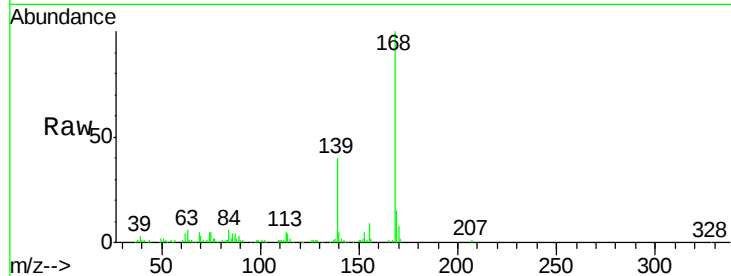
BFM72

Tot Ion:168 Resp: 66698

Ion Ratio Lower Upper

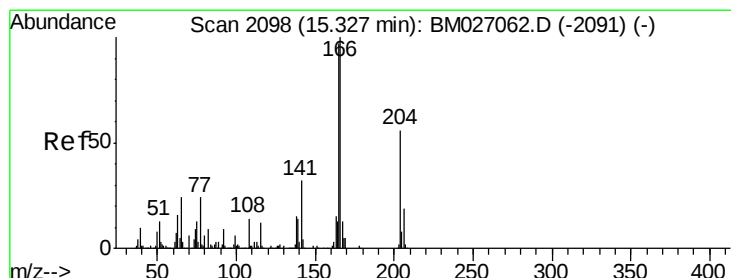
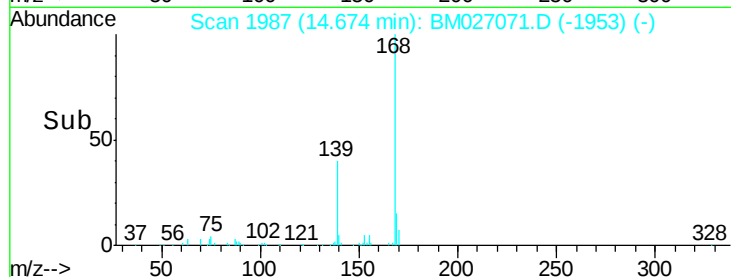
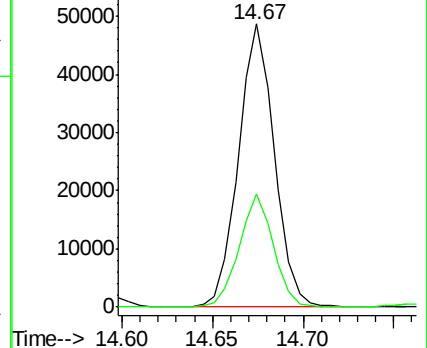
168 100

139 39.9 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: 2.687 ng/ul

RT: 15.33 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

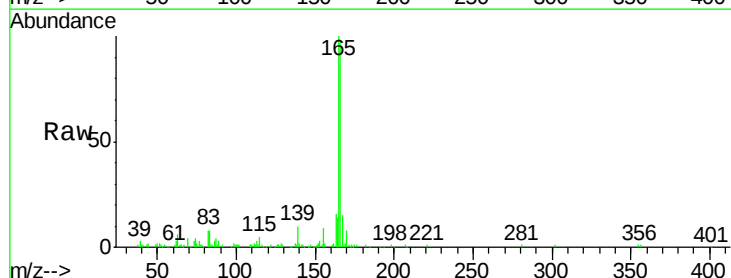
Tgt Ion:166 Resp: 65631

Ion Ratio Lower Upper

166 100

165 101.7 76.9 115.3

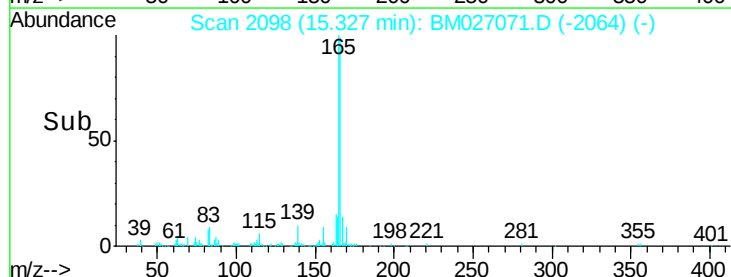
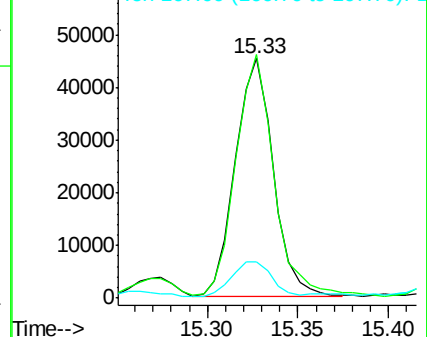
167 15.3 10.5 15.7

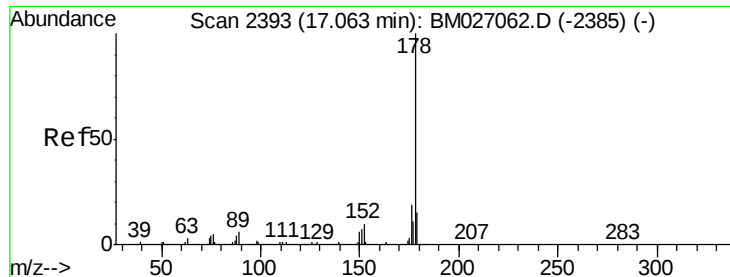


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 35.596 ng/ul

RT: 17.06 min Scan# 2393

Delta R.T. 0.01 min

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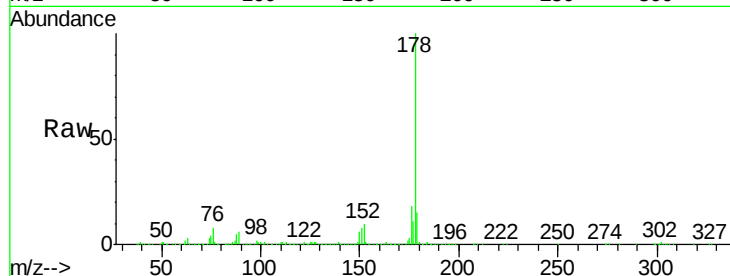
Tot Ion:178 Resp: 1302872

Ion Ratio Lower Upper

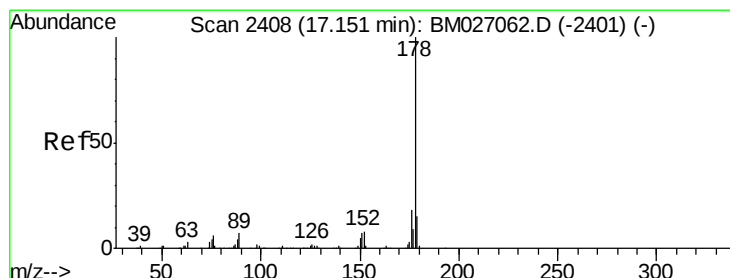
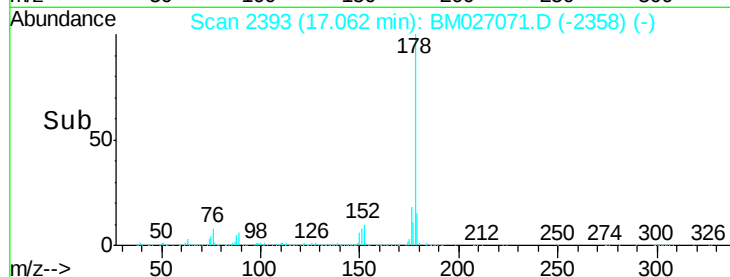
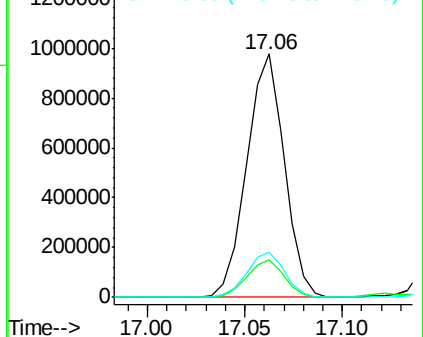
178 100

179 15.2 11.9 17.9

176 18.5 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: 7.312 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

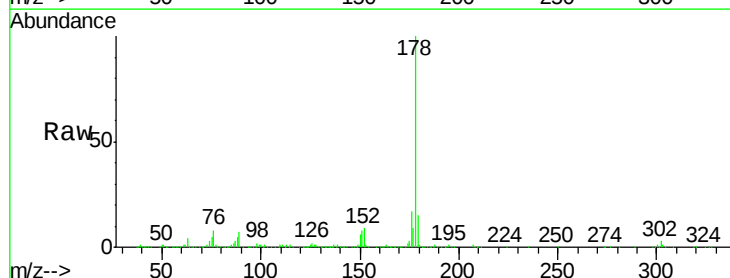
Tgt Ion:178 Resp: 272331

Ion Ratio Lower Upper

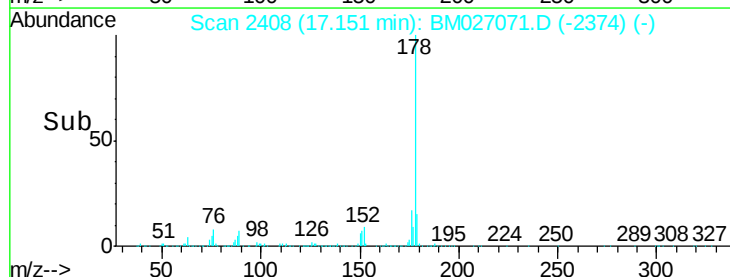
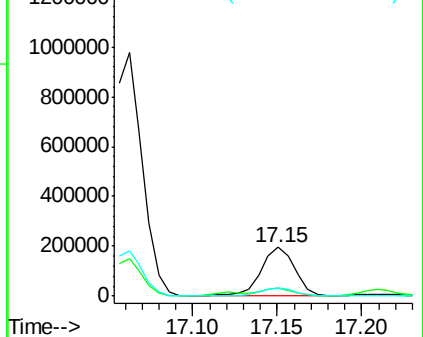
178 100

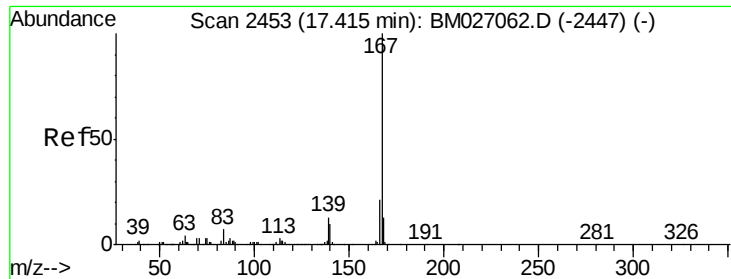
179 15.5 12.0 18.0

176 17.4 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

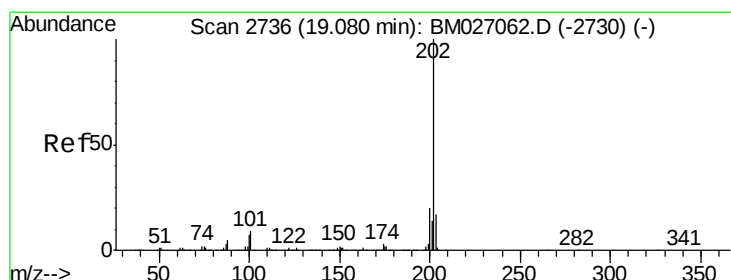
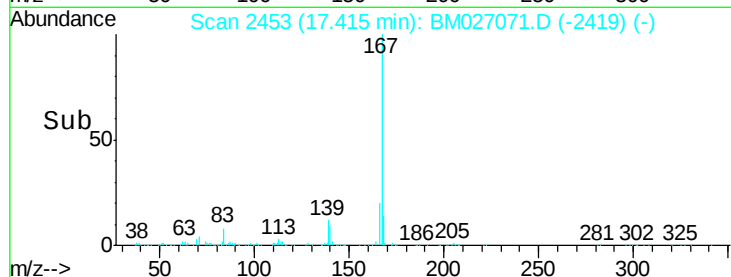
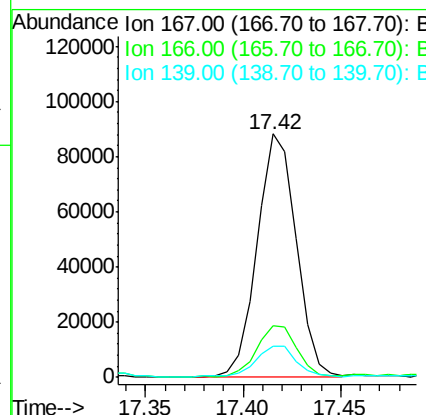
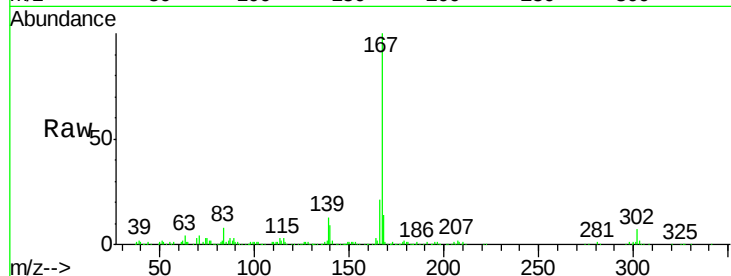




#75
 Carbazole
 Concen: 3.878 ng/ul
 RT: 17.42 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: BM027071.D
 Acq: 13 Aug 2020 21:17

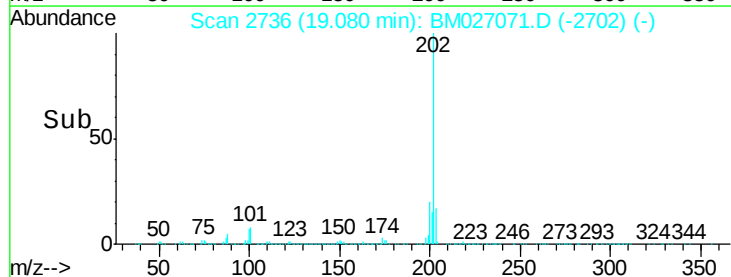
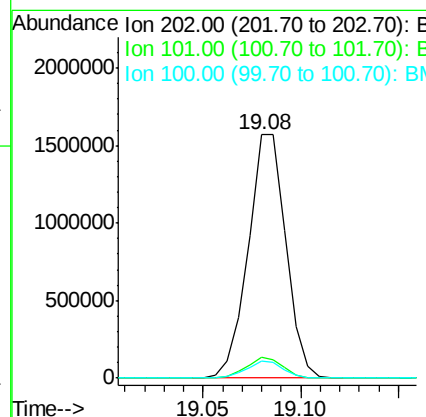
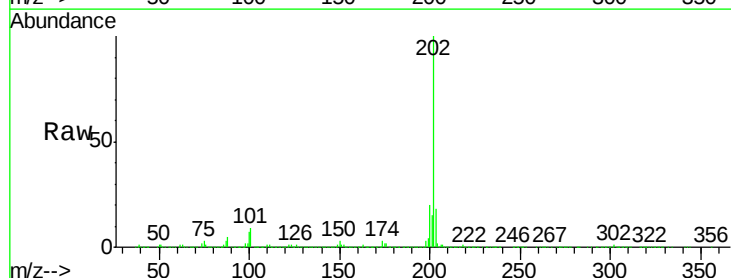
Instrument :
 BNA_M
 ClientSampleId :
 BFM72

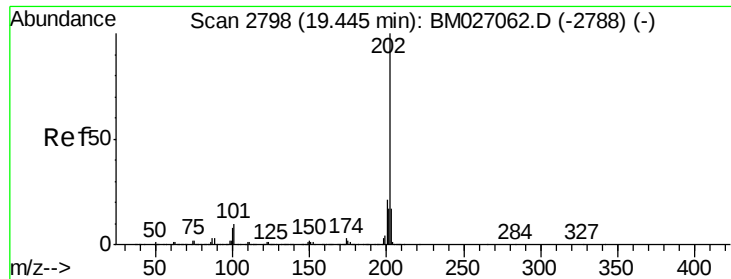
Tot Ion	Ion	Ratio	Lower	Upper
167	100			
166	21.1	17.0	25.6	
139	12.7	9.8	14.6	



#77
 Fluoranthene
 Concen: 47.397 ng/ul
 RT: 19.08 min Scan# 2736
 Delta R.T. -0.00 min
 Lab File: BM027071.D
 Acq: 13 Aug 2020 21:17

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	8.7	6.7	10.1	
100	7.0	5.4	8.2	

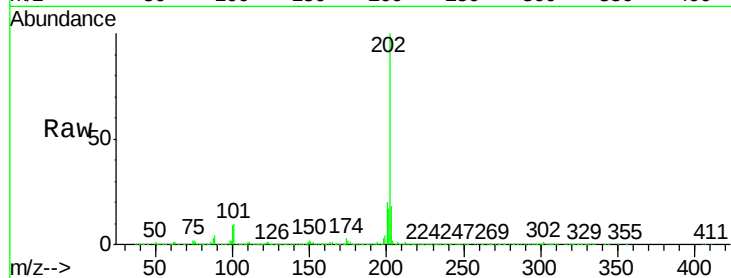




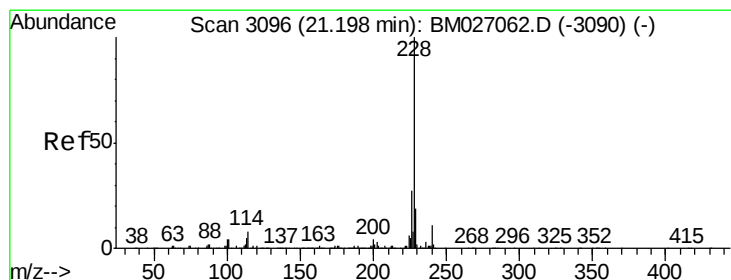
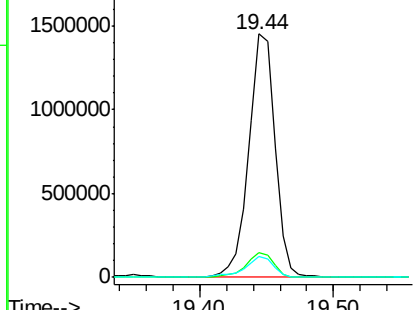
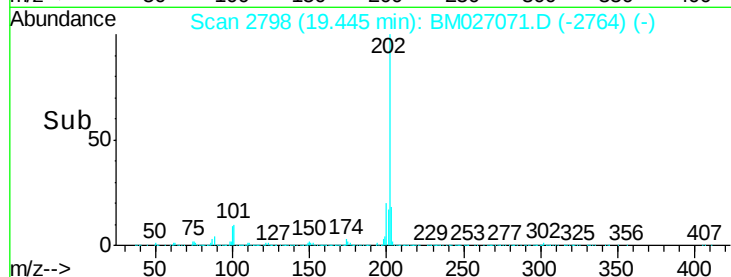
#80
Pvrene
Concen: 48.167 ng/ul
RT: 19.44 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Instrument :
BNA_M
ClientSampleId :
BFM72

Tot Ion:202 Resp: 1952294
Ion Ratio Lower Upper
202 100
101 10.2 7.6 11.4
100 8.8 6.3 9.5

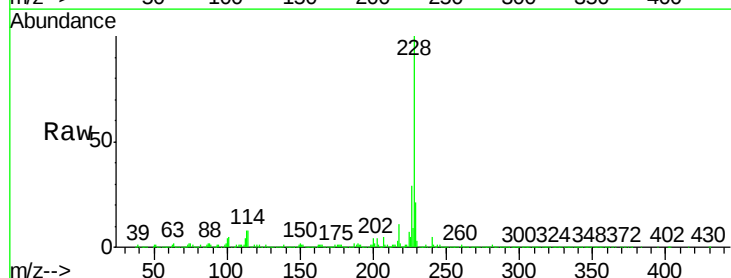


Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

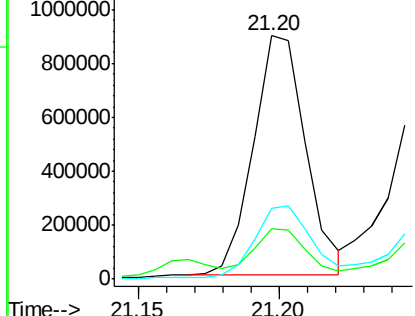
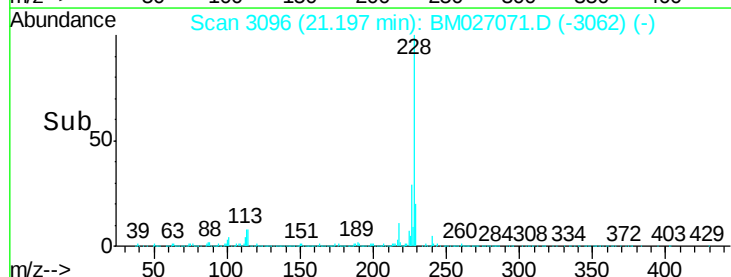


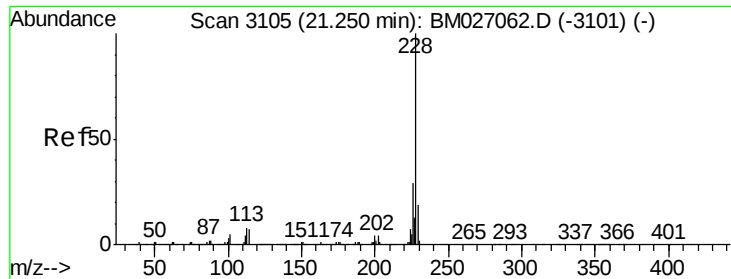
#83
Benzo(a)anthracene
Concen: 28.373 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Tgt Ion:228 Resp: 1140570
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.6
226 28.9 21.2 31.8



Abundance Ion 228.00 (227.70 to 228.70): E
1200000
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 28.744 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

Instrument :

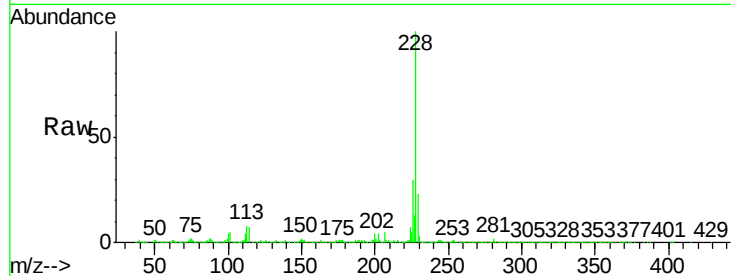
BNA_M

ClientSampleId :

BFM72

Tot Ion:228 Resp: 1134200

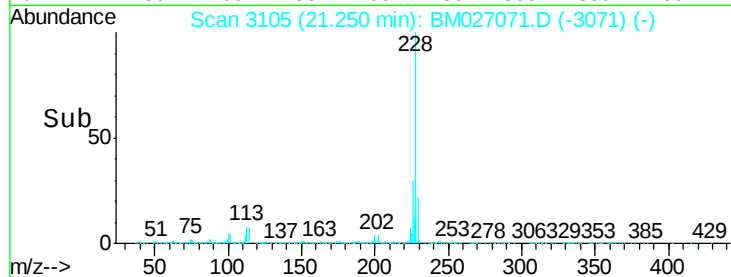
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	23.1	15.8	23.8



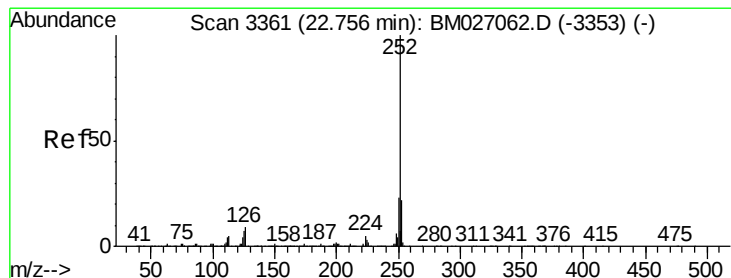
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#88

Benzo(b)fluoranthene

Concen: 39.819 ng/ul

RT: 22.76 min Scan# 3362

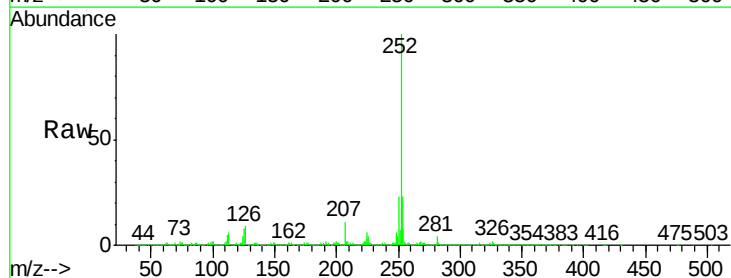
Delta R.T. 0.01 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

Tgt Ion:252 Resp: 1692762

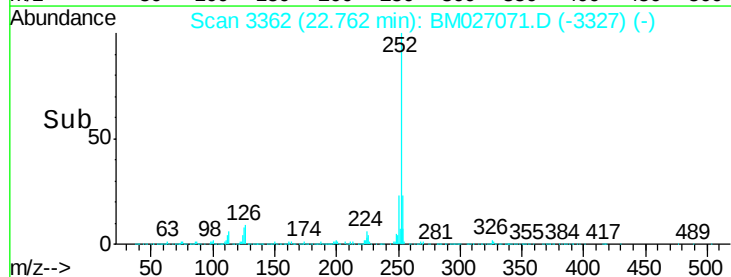
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	7.9	6.0	9.0



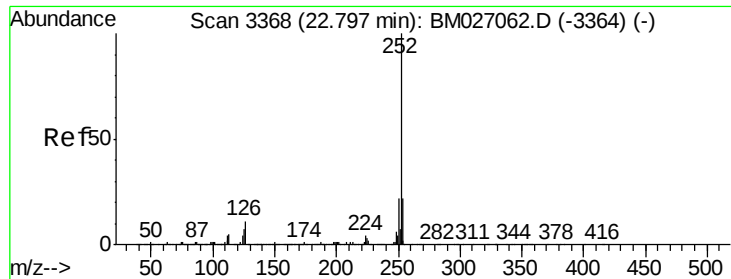
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



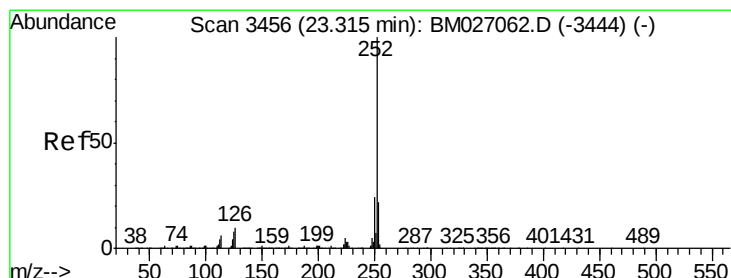
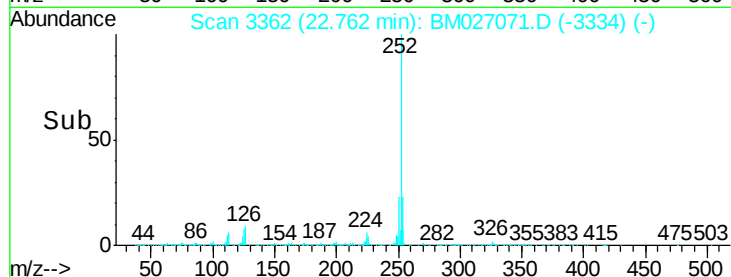
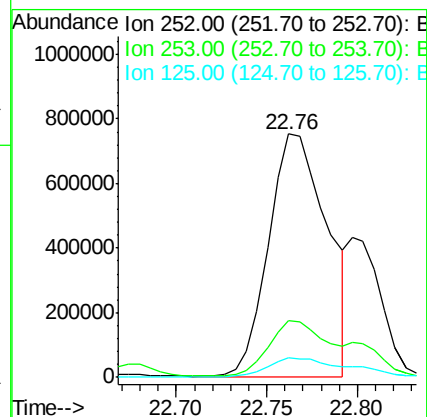
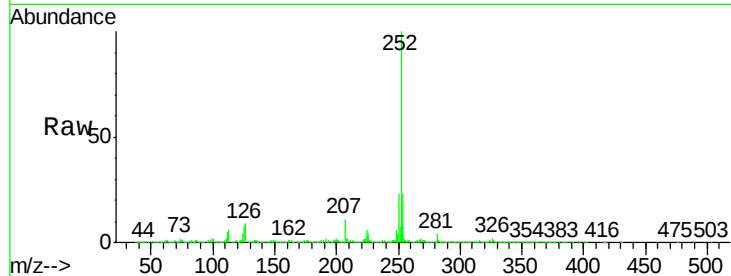
Time-->



#89
Benzo(k)fluoranthene
Concen: 40.178 ng/ul
RT: 22.76 min Scan# 3362
Delta R.T. -0.04 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

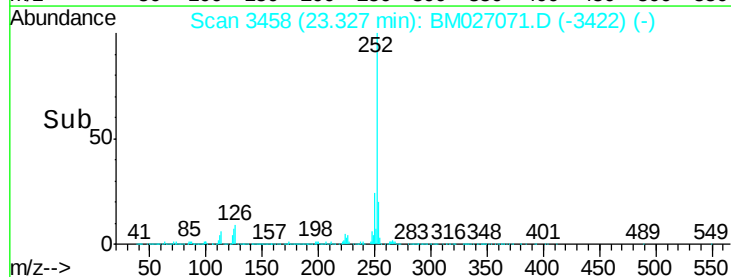
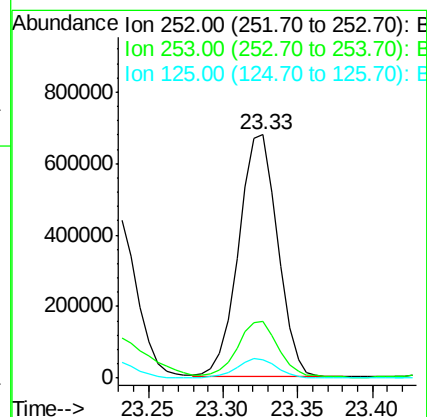
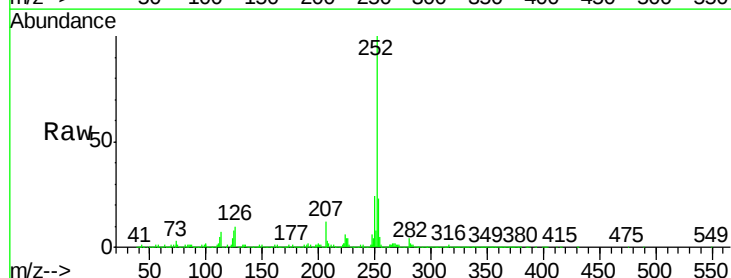
Instrument :
BNA_M
ClientSampleId :
BFM72

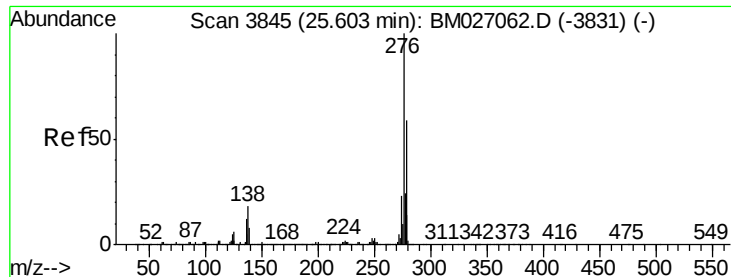
Tot Ion:252 Resp: 1692762
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 7.9 5.5 8.3



#91
Benzo(a)pyrene
Concen: 31.822 ng/ul
RT: 23.33 min Scan# 3458
Delta R.T. 0.01 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Tgt Ion:252 Resp: 1231146
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 7.7 5.8 8.8



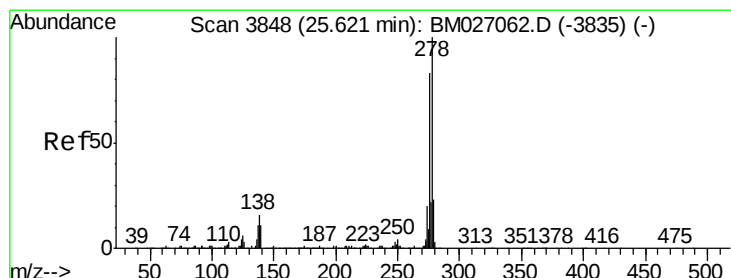
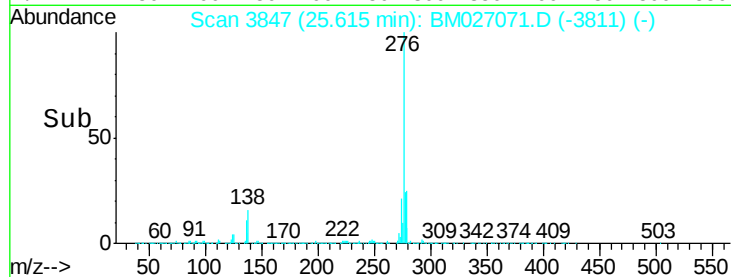
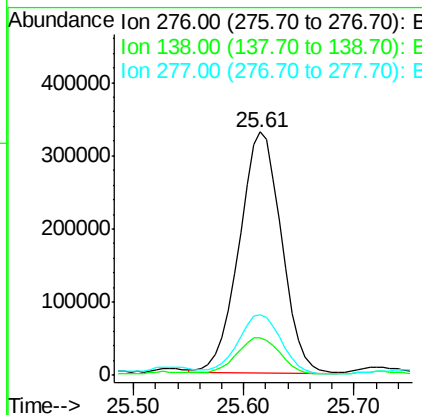
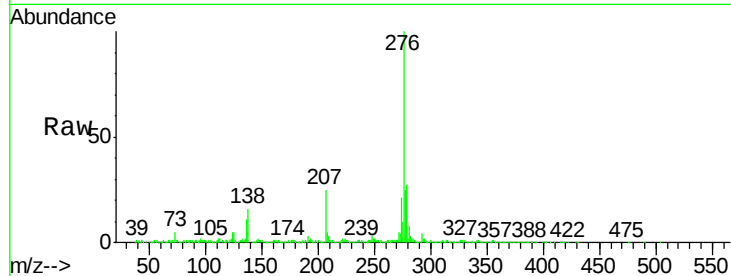


#92

Indeno(1,2,3-cd)pyrene
Concen: 17.682 ng/ul
RT: 25.61 min Scan# 3847
Delta R.T. 0.01 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Instrument :
BNA_M
ClientSampleId :
BFM72

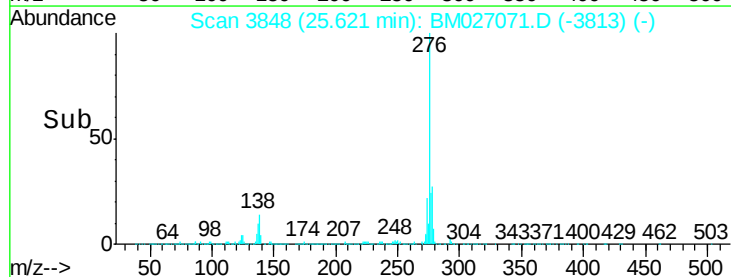
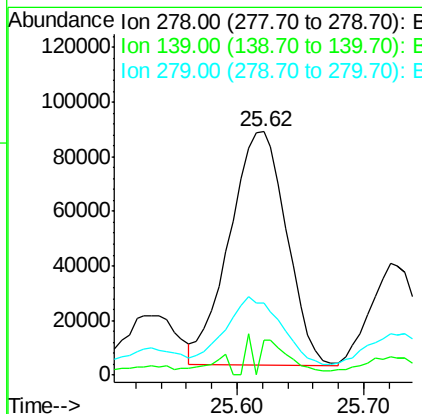
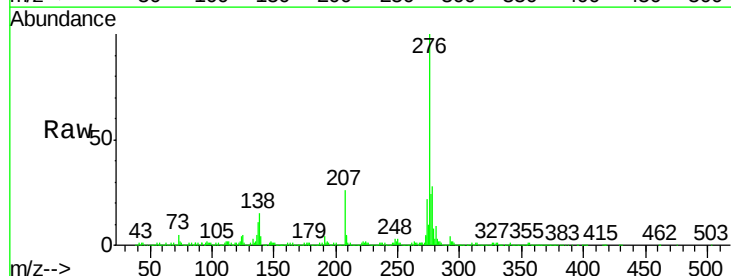
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.5	13.9	20.9
277	24.8	19.8	29.8

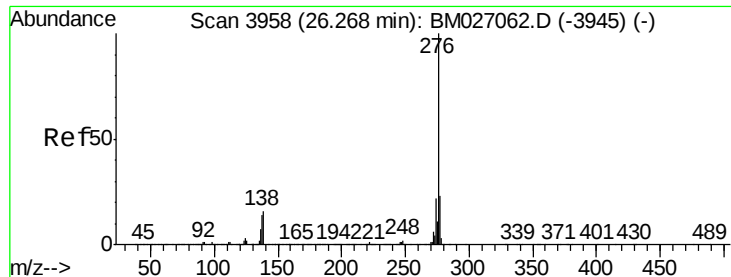


#93

Dibenzo(a,h)anthracene
Concen: 6.348 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. 0.01 min
Lab File: BM027071.D
Acq: 13 Aug 2020 21:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.5	9.4	14.0#
279	29.6	18.7	28.1#





#94

Benzo(a,h,i)perylene

Concen: 18.602 ng/ul

RT: 26.29 min Scan# 3962

Delta R.T. 0.02 min

Lab File: BM027071.D

Acq: 13 Aug 2020 21:17

Instrument :

BNA_M

ClientSampleId :

BFM72

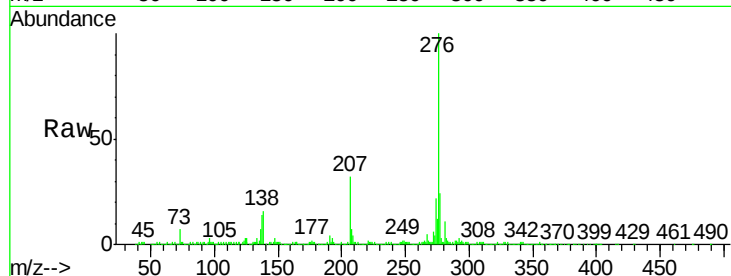
Tot Ion:276 Resp: 765952

Ion Ratio Lower Upper

276 100

138 15.8 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

