

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027076.D
 Acq On : 14 Aug 2020 01:31
 Operator : JU/CG
 Sample : L3630-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFML2

Quant Time: Aug 14 03:19:08 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	144001	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	540556	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	339060	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	701079	20.00	ng/ul	0.00
78) Chrysene-d12	21.21	240	699450	20.00	ng/ul	0.00
86) Perylene-d12	23.41	264	705262	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	11025	3.48	ng/uL	0.00
5) Phenol-d5	6.82	99	287005	25.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	192006	25.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	224620	25.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	218531	25.03	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	107494	25.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	120254	27.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	251000	26.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	249291	22.98	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	739943	27.37	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	913428	28.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	110541	24.22	ng/ul	0.00
58) Fluorene-d10	15.27	176	630204	26.74	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	78306	20.45	ng/ul	0.00
71) Anthracene-d10	17.12	188	965771	27.96	ng/ul	0.00
79) Pyrene-d10	19.42	212	1072221	30.74	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.27	264	1169923	29.72	ng/ul	0.00

Target Compounds

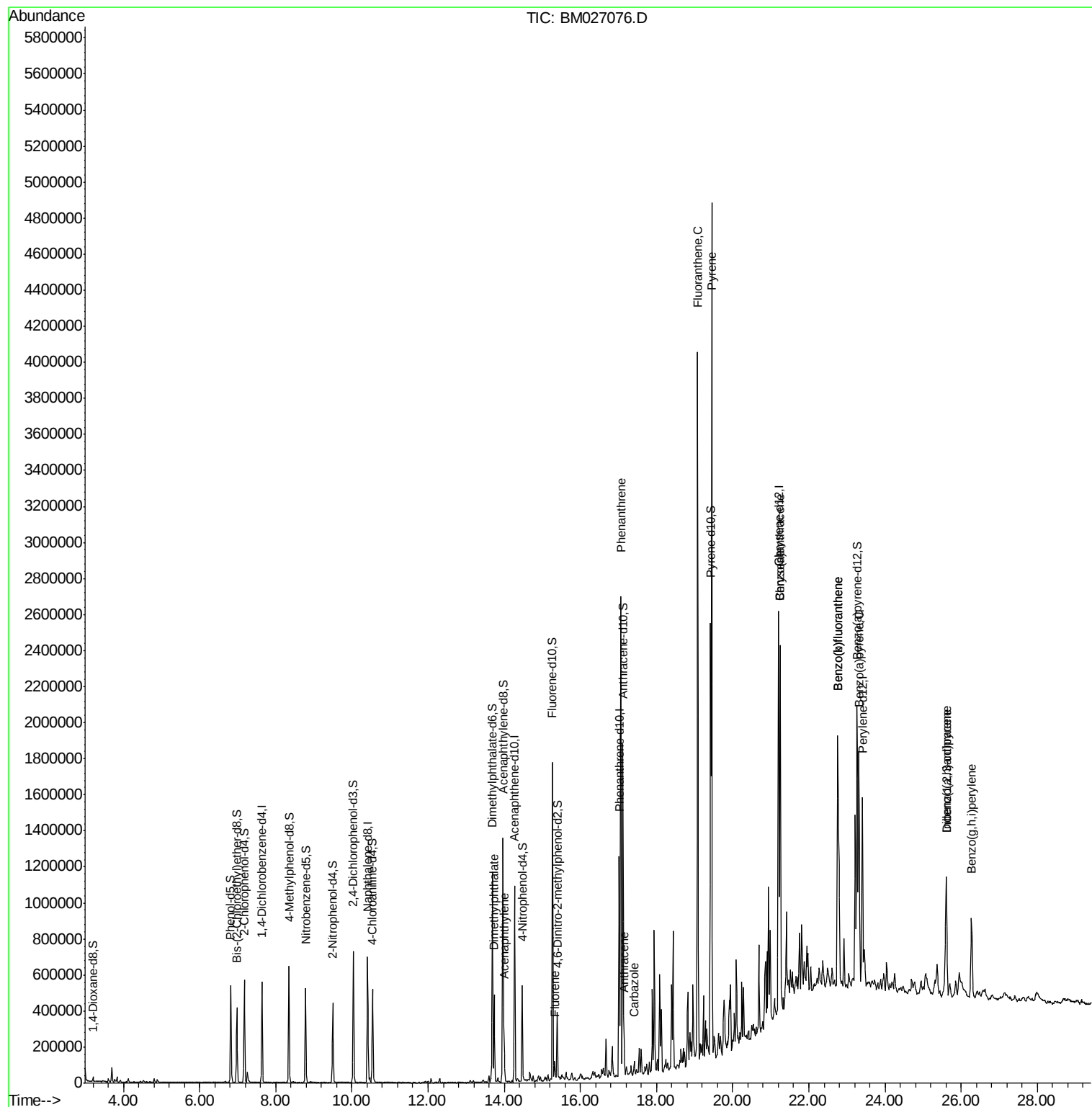
					Ovalue
45) Dimethylphthalate	13.73	163	273752	9.661	ng/ul 99
48) Acenaphthylene	13.99	152	206604	6.308	ng/ul 98
59) Fluorene	15.33	166	43712	1.572	ng/ul 99
70) Phenanthrene	17.06	178	1568819	37.326	ng/ul 100
72) Anthracene	17.15	178	125101	2.925	ng/ul 99
75) Carbazole	17.42	167	43603	1.208	ng/ul 99
77) Fluoranthene	19.08	202	2258095	44.305	ng/ul 100
80) Pyrene	19.44	202	2724750	57.391	ng/ul 98
83) Benzo(a)anthracene	21.24	228	1088970	23.127	ng/ul 96
85) Chrysene	21.24	228	1088970	23.561	ng/ul 99
88) Benzo(b)fluoranthene	22.76	252	1279994	26.137	ng/ul 99
89) Benzo(k)fluoranthene	22.76	252	1279994	26.372	ng/ul 98
91) Benzo(a)pyrene	23.32	252	806743	18.101	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.61	276	651339	11.342	ng/ul 97
93) Dibenzo(a,h)anthracene	25.62	278	142196	2.923	ng/ul# 87
94) Benzo(g,h,i)perylene	26.27	276	540051	11.385	ng/ul 98

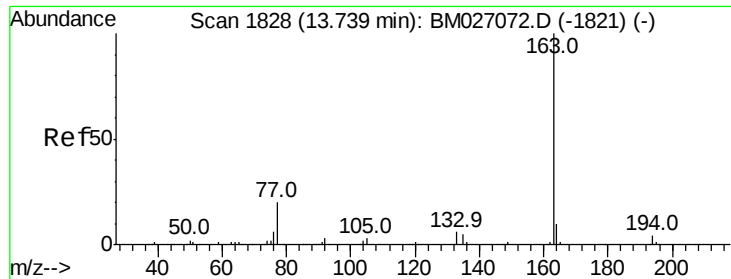
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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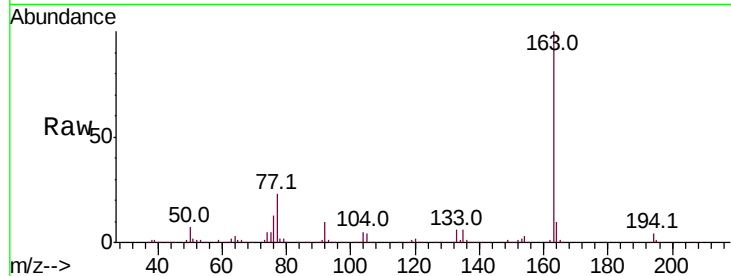




#45
Dimethylphthalate
Concen: 9.661 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BM027076.D
Acq: 14 Aug 2020 01:31

Instrument :
BNA_M
ClientSampled :
BFML2

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.2	4.8
164	9.9	8.2	12.2

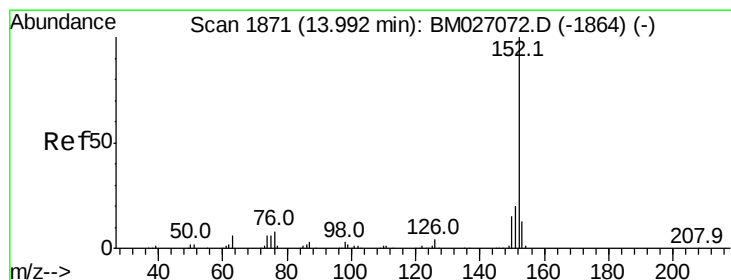
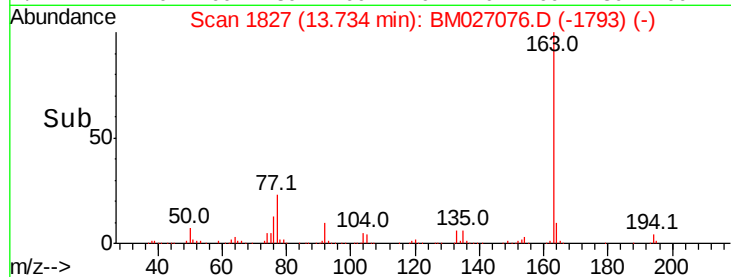
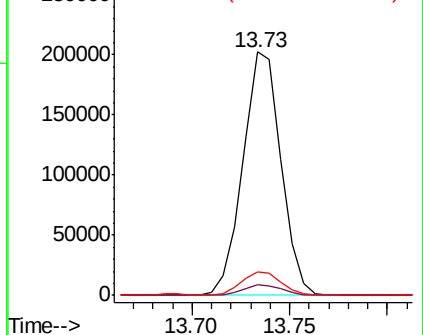


Abundance

Ion 163.00 (162.70 to 163.70): E

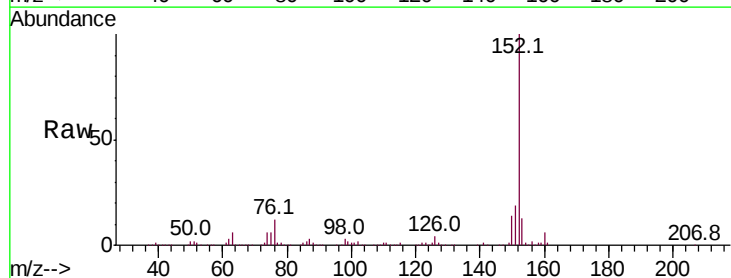
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48
Acenaphthylene
Concen: 6.308 ng/ul
RT: 13.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BM027076.D
Acq: 14 Aug 2020 01:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.9	23.9
153	13.3	9.8	14.8

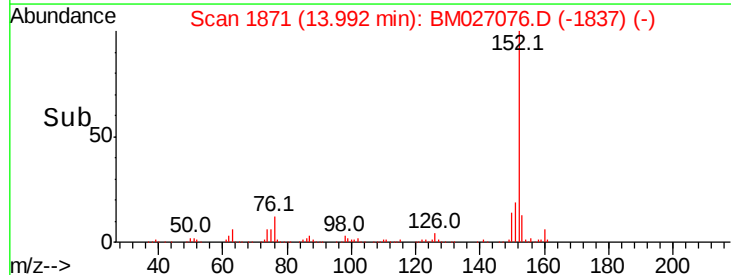
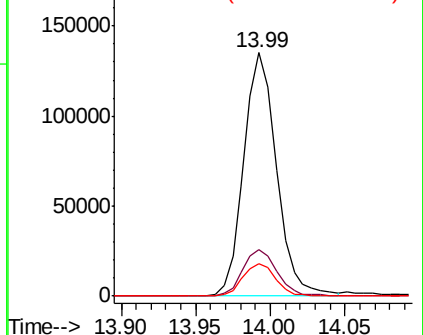


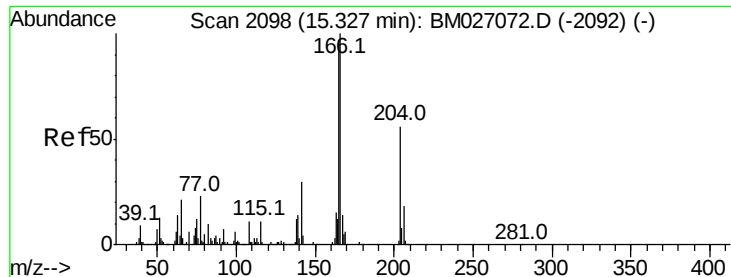
Abundance

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





#59

Fluorene

Concen: 1.572 ng/ul

RT: 15.33 min Scan# 2098

Delta R.T. 0.00 min

Lab File: BM027076.D

Acq: 14 Aug 2020 01:31

Instrument :

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ClientSampleId :

BFML2

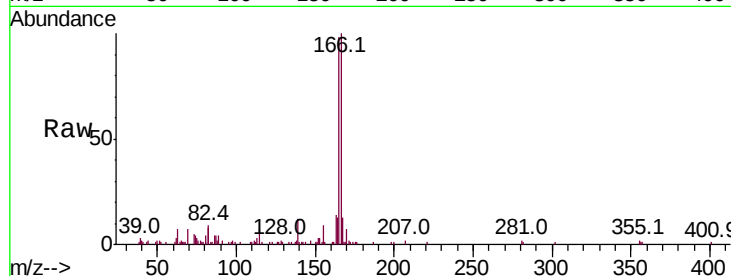
Tot Ion:166 Resp: 43712

Ion Ratio Lower Upper

166 100

165 97.6 76.9 115.3

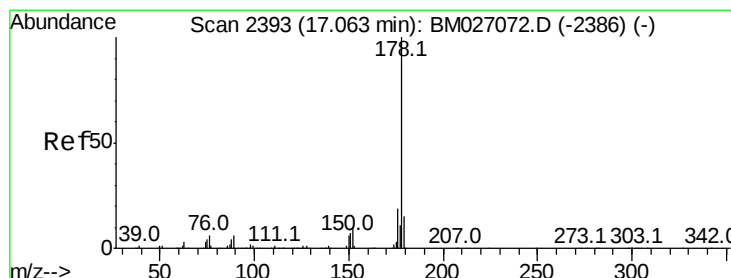
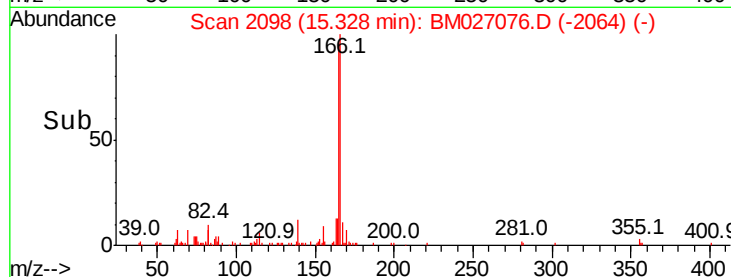
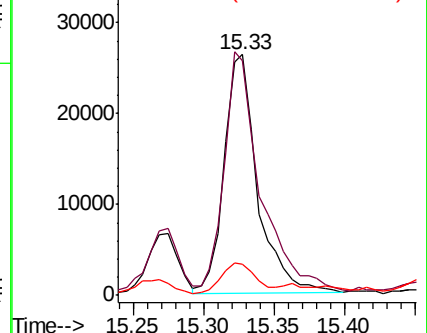
167 12.8 10.5 15.7



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: 37.326 ng/ul

RT: 17.06 min Scan# 2393

Delta R.T. 0.01 min

Lab File: BM027076.D

Acq: 14 Aug 2020 01:31

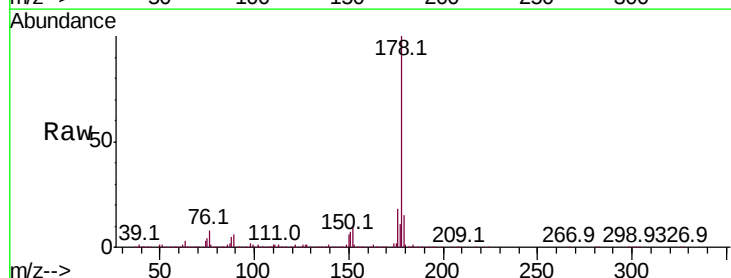
Tgt Ion:178 Resp: 1568819

Ion Ratio Lower Upper

178 100

179 15.0 11.9 17.9

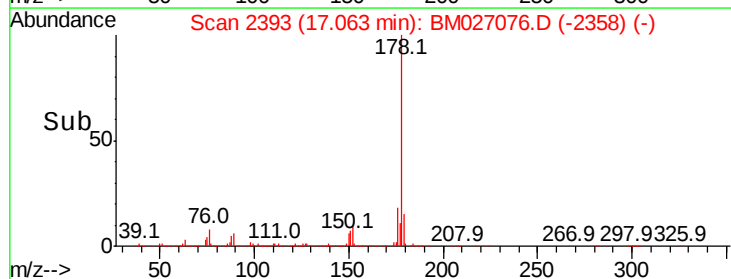
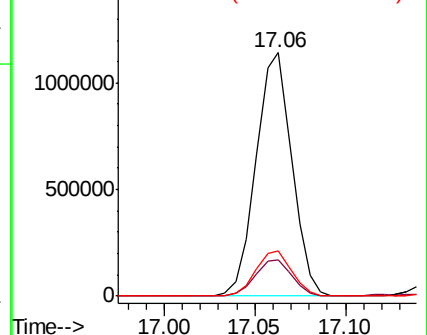
176 18.5 14.6 22.0

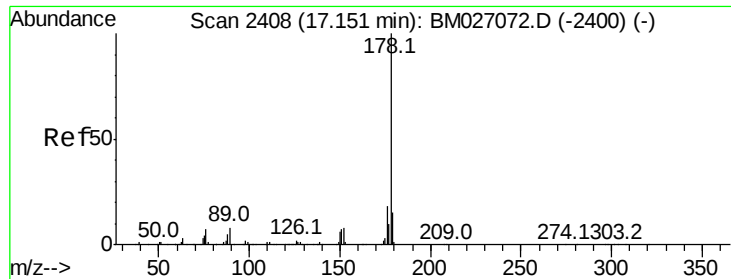


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.925 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BM027076.D

Acq: 14 Aug 2020 01:31

Instrument :

BNA_M

ClientSampleId :

BFML2

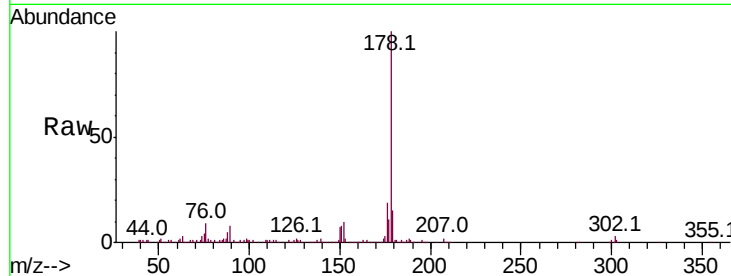
Tot Ion:178 Resp: 125101

Ion Ratio Lower Upper

178 100

179 15.1 12.0 18.0

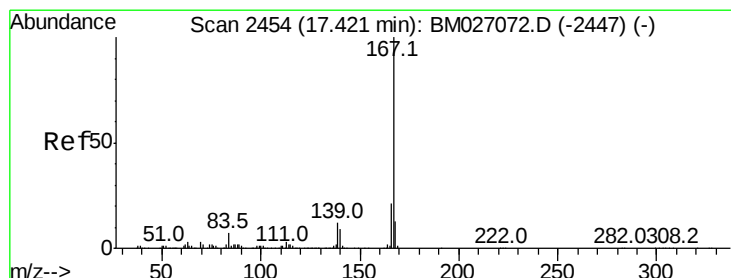
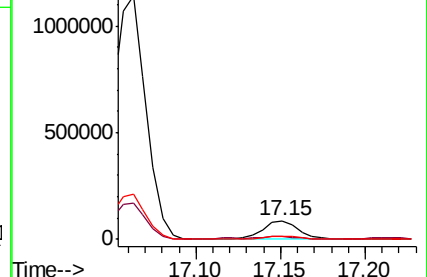
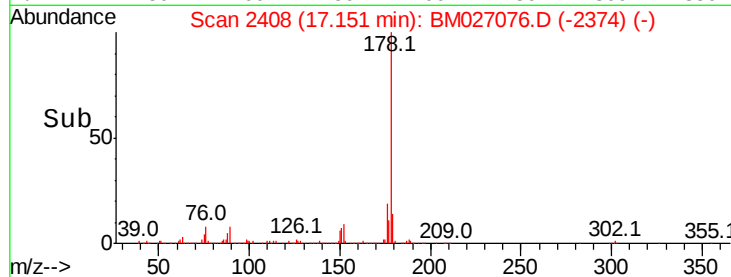
176 18.9 14.3 21.5



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: 1.208 ng/ul

RT: 17.42 min Scan# 2453

Delta R.T. 0.00 min

Lab File: BM027076.D

Acq: 14 Aug 2020 01:31

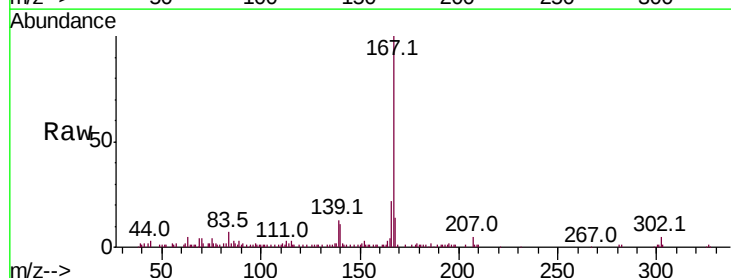
Tgt Ion:167 Resp: 43603

Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

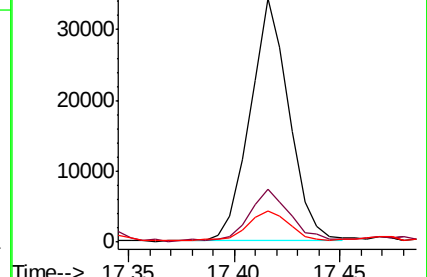
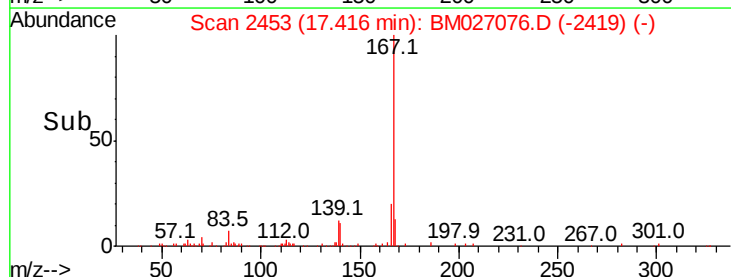
139 13.0 9.8 14.6

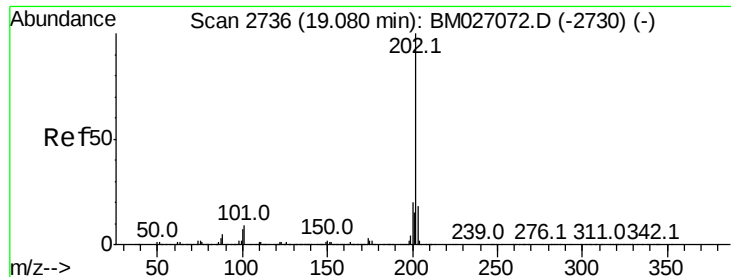


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 44.305 ng/ul

RT: 19.08 min Scan# 2736

Delta R.T. 0.00 min

Lab File: BM027076.D

Acq: 14 Aug 2020 01:31

Instrument :

BNA_M

ClientSampleId :

BFML2

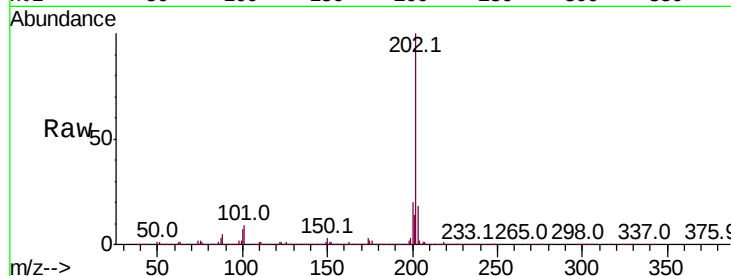
Tot Ion:202 Resp: 2258095

Ion Ratio Lower Upper

202 100

101 8.7 6.7 10.1

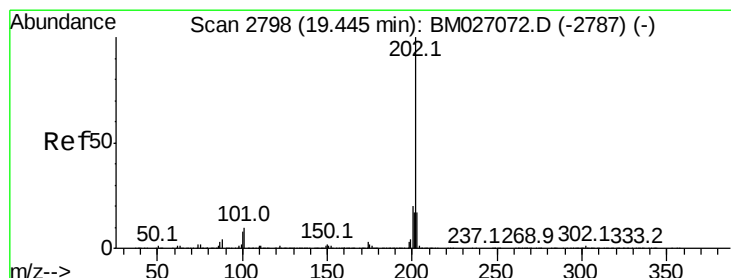
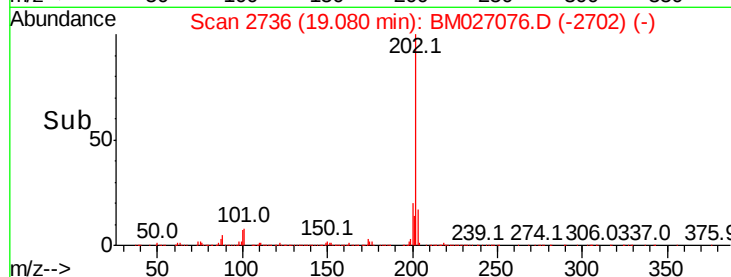
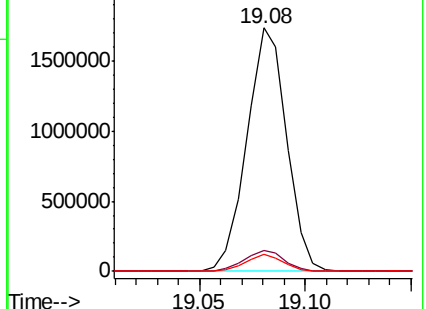
100 6.7 5.4 8.2



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

Pyrene

Concen: 57.391 ng/ul

RT: 19.44 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BM027076.D

Acq: 14 Aug 2020 01:31

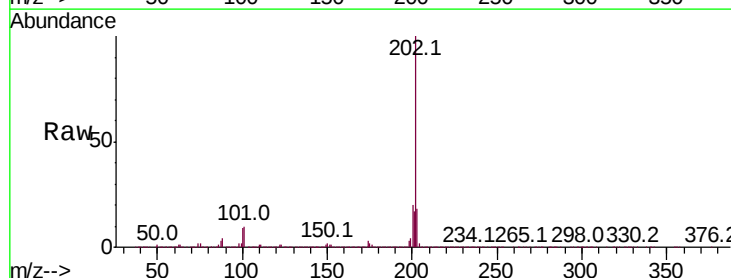
Tgt Ion:202 Resp: 2724750

Ion Ratio Lower Upper

202 100

101 10.1 7.6 11.4

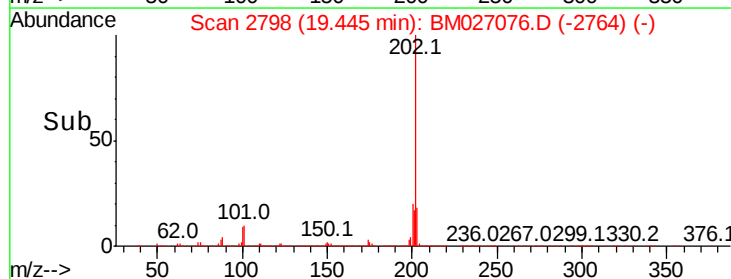
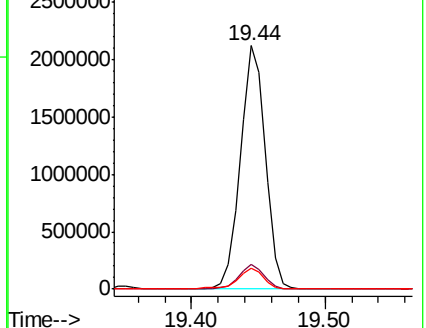
100 8.7 6.3 9.5

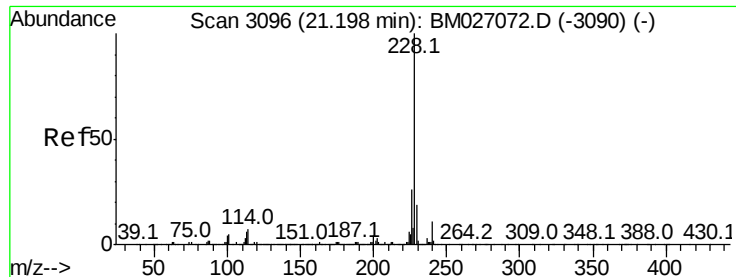


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

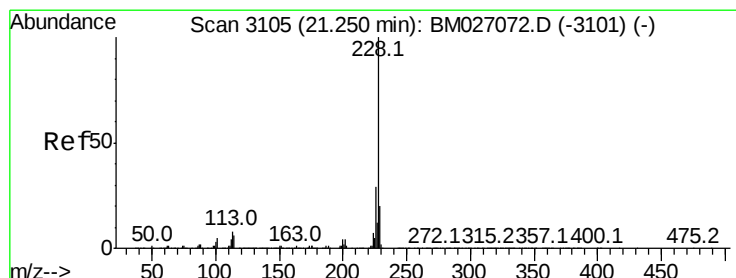
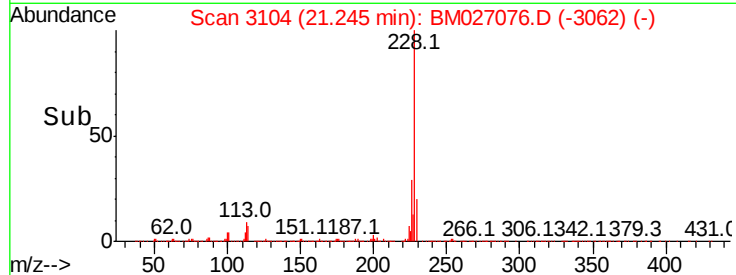
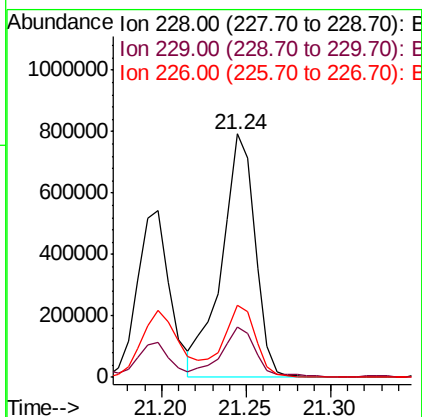
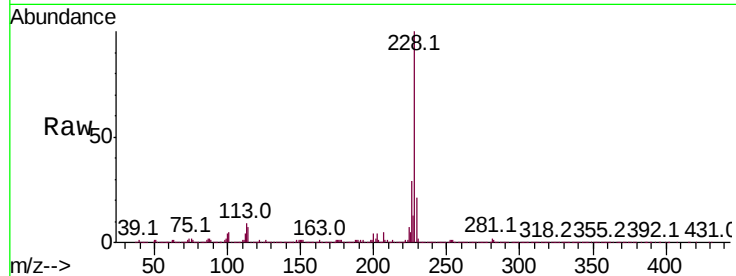




#83
Benzo(a)anthracene
Concen: 23.127 ng/ul
RT: 21.24 min Scan# 3104
Delta R.T. 0.05 min
Lab File: BM027076.D
Acq: 14 Aug 2020 01:31

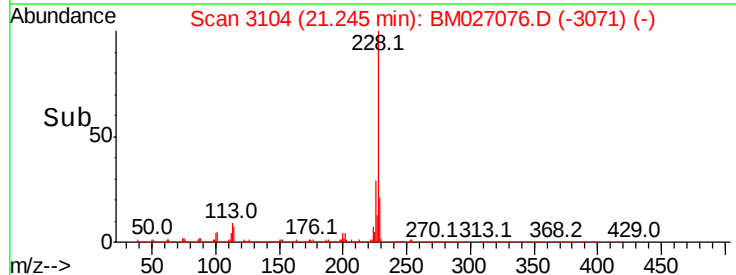
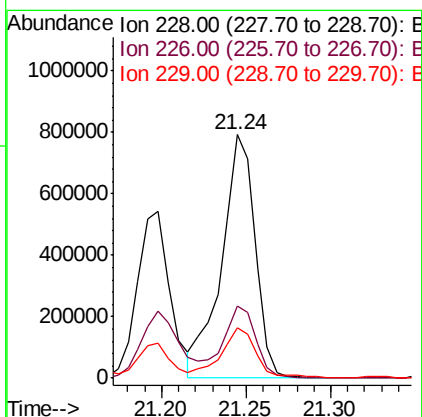
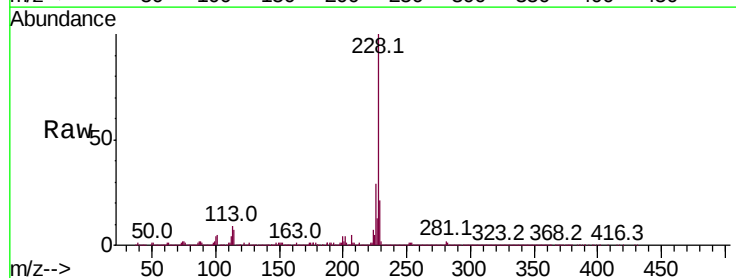
Instrument :
BNA_M
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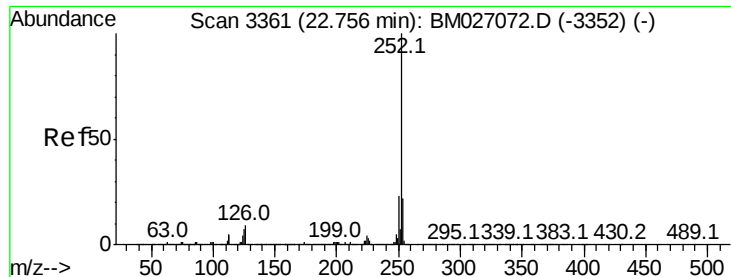
Tot Ion:228 Resp: 1088970
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.6
226 29.5 21.2 31.8



#85
Chrysene
Concen: 23.561 ng/ul
RT: 21.24 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BM027076.D
Acq: 14 Aug 2020 01:31

Tgt Ion:228 Resp: 1088970
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.6
229 20.8 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 26.137 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. 0.00 min

Lab File: BM027076.D

Acq: 14 Aug 2020 01:31

Instrument :

BNA_M

ClientSampleId :

BFML2

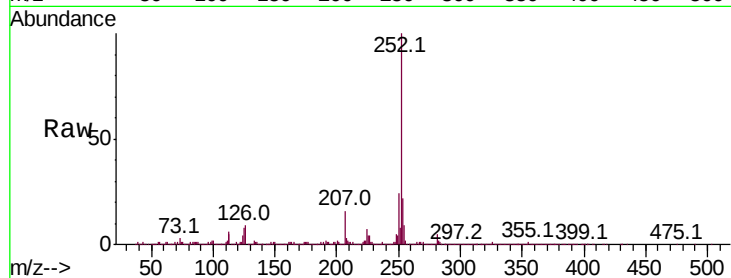
Tot Ion:252 Resp: 1279994

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

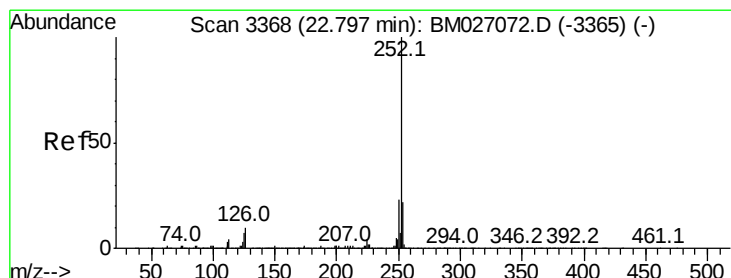
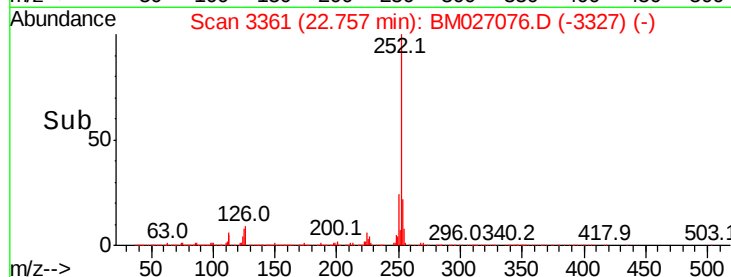
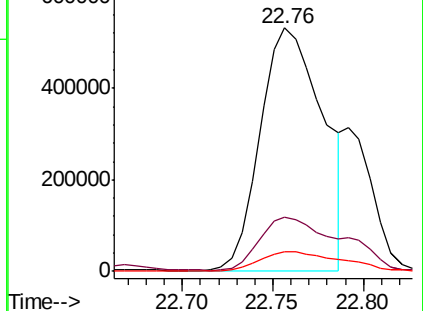
125 8.1 6.0 9.0



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: 26.372 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.04 min

Lab File: BM027076.D

Acq: 14 Aug 2020 01:31

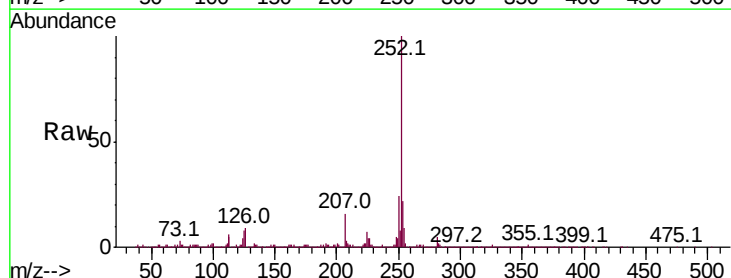
Tgt Ion:252 Resp: 1279994

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

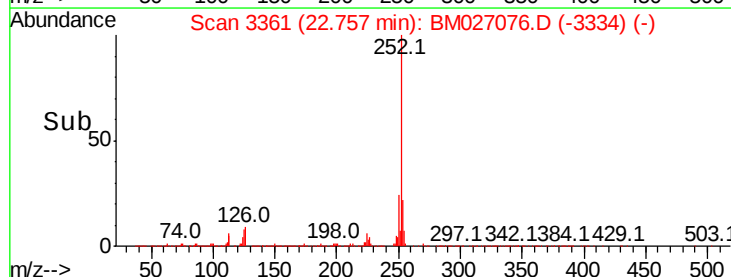
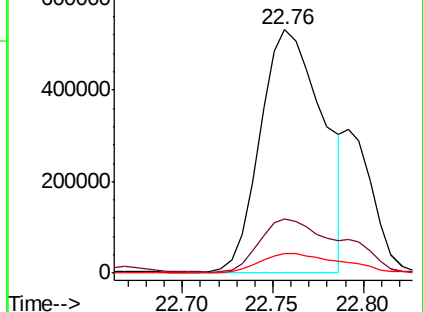
125 8.1 5.5 8.3

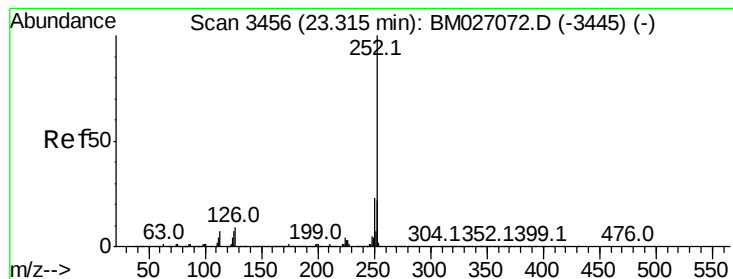


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 18.101 ng/ul

RT: 23.32 min Scan# 3456

Delta R.T. 0.00 min

Lab File: BM027076.D

Acq: 14 Aug 2020 01:31

Instrument :

BNA_M

ClientSampleId :

BFML2

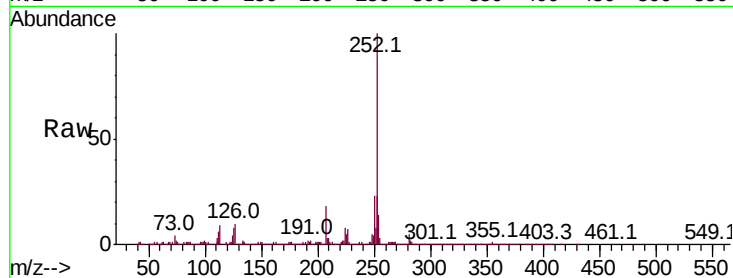
Tot Ion:252 Resp: 806743

Ion Ratio Lower Upper

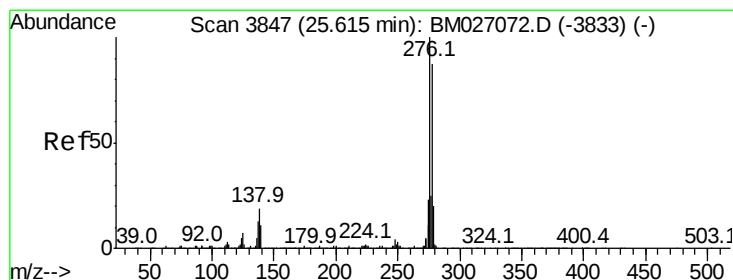
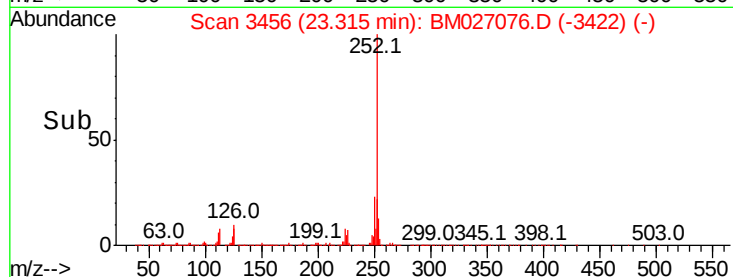
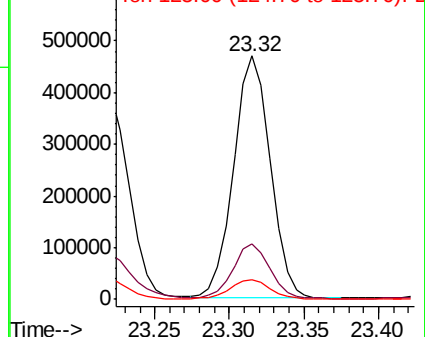
252 100

253 22.8 17.0 25.4

125 8.0 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: 11.342 ng/ul

RT: 25.61 min Scan# 3846

Delta R.T. 0.01 min

Lab File: BM027076.D

Acq: 14 Aug 2020 01:31

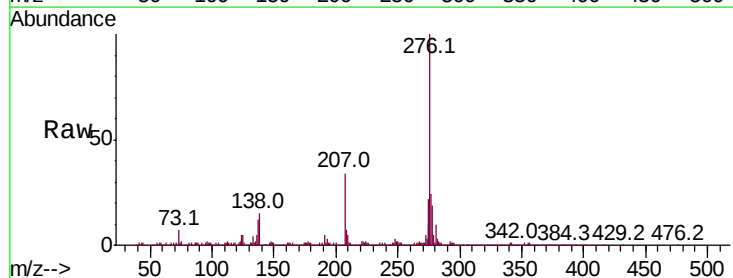
Tgt Ion:276 Resp: 651339

Ion Ratio Lower Upper

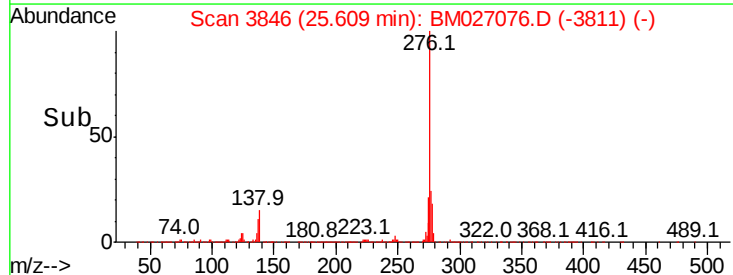
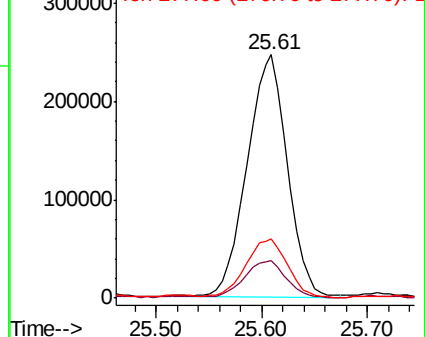
276 100

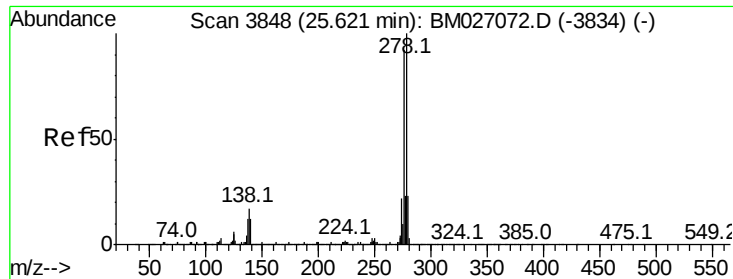
138 15.3 13.9 20.9

277 24.2 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: 2.923 ng/ul

RT: 25.62 min Scan# 3847

Delta R.T. 0.00 min

Lab File: BM027076.D

Acq: 14 Aug 2020 01:31

Instrument :

BNA_M

ClientSampleId :

BFML2

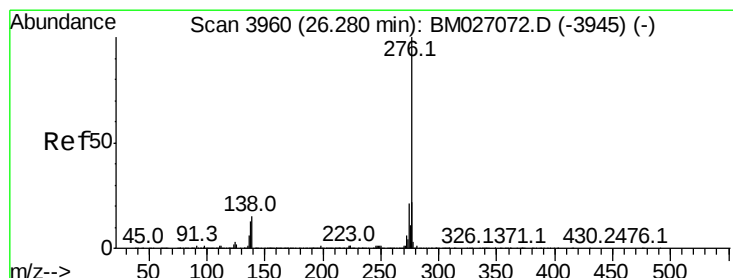
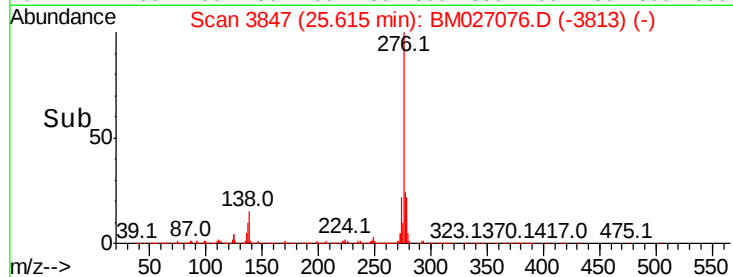
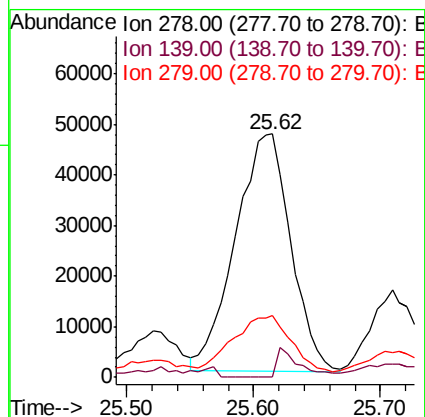
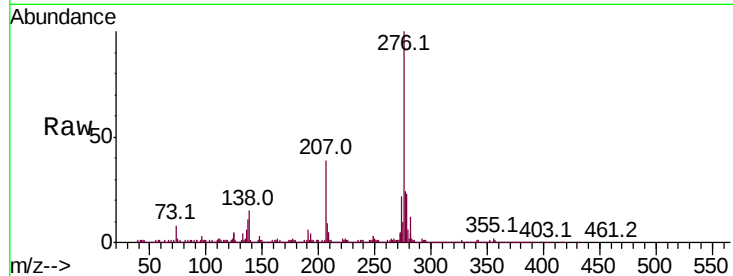
Tot Ion:278 Resp: 142196

Ion Ratio Lower Upper

278 100

139 0.0 9.4 14.0#

279 25.6 18.7 28.1



#94

Benzo(g,h,i)perylene

Concen: 11.385 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. -0.01 min

Lab File: BM027076.D

Acq: 14 Aug 2020 01:31

Tgt Ion:276 Resp: 540051

Ion Ratio Lower Upper

276 100

138 16.2 12.3 18.5

277 24.5 19.0 28.6

