

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090420\
 Data File : BM027347.D
 Acq On : 05 Sep 2020 01:24
 Operator : JU/CG
 Sample : L3843-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

Quant Time: Sep 05 02:06:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Sep 05 01:38:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	152068	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	627936	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.21	164	477944	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	1198107	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	1468198	20.00	ng/ul	0.00
86) Perylene-d12	23.33	264	1450627	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	15162	4.44	ng/uL	0.00
5) Phenol-d5	6.75	99	261996	20.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	200111	24.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	213658	23.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	223511	21.87	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	113575	24.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	126081	24.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	242570	21.74	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	298505	22.63	ng/ul	0.00
44) Dimethylphthalate-d6	13.63	166	970165	25.51	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	1041433	24.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	96562	14.42	ng/ul	0.00
58) Fluorene-d10	15.21	176	820462	24.09	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.33	200	107530	14.02	ng/ul	0.00
71) Anthracene-d10	17.06	188	1370488	24.19	ng/ul	0.00
79) Pyrene-d10	19.36	212	1703799	26.05	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.19	264	1807514	23.23	ng/ul	0.00

Target Compounds

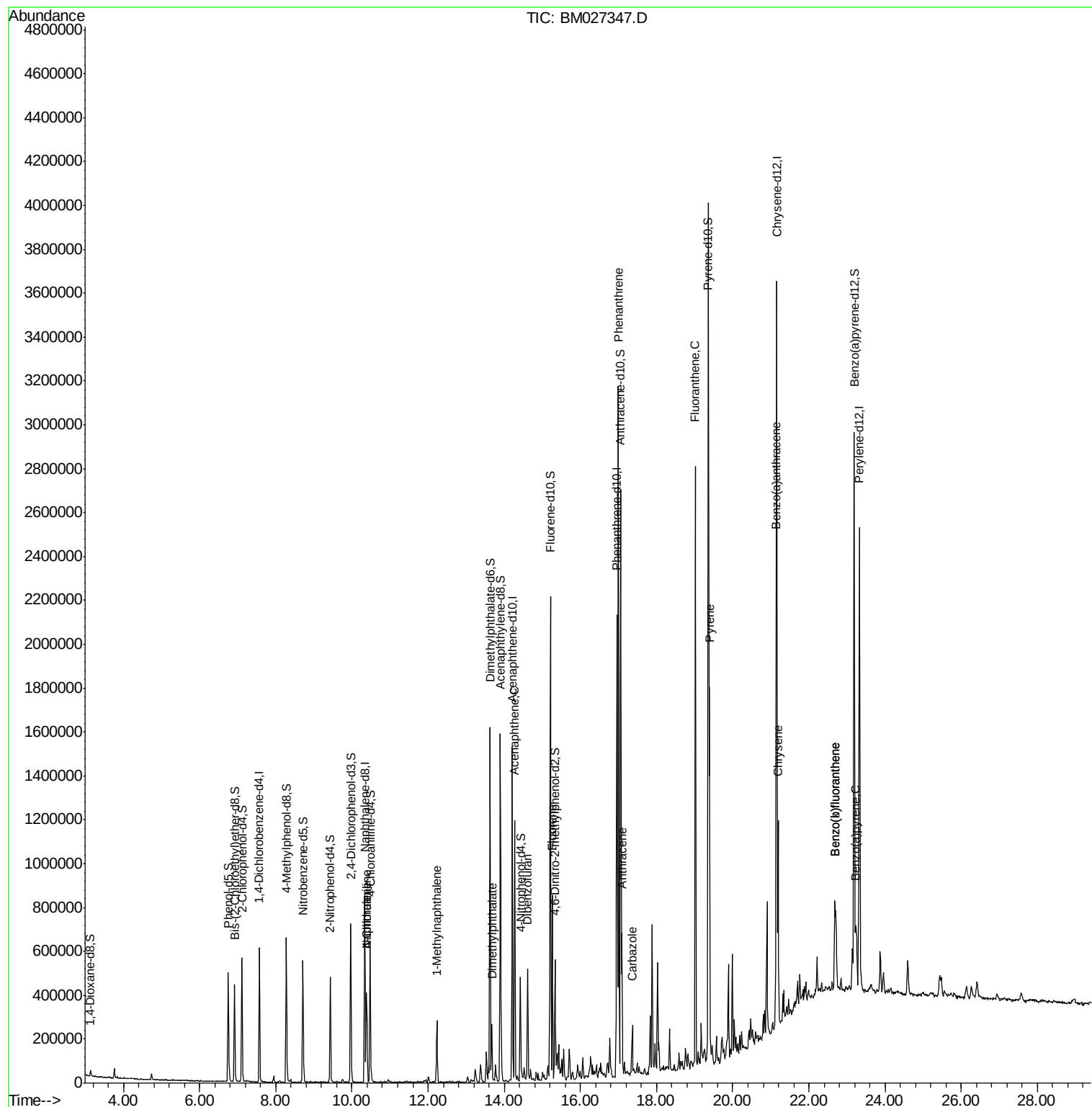
					Ovalue	
28) Naphthalene	10.39	128	294878	8.838	ng/ul	97
30) 4-Chloroaniline	10.39	127	39013	2.935	ng/ul#	4
35) 1-Methylnaphthalene	12.23	142	120605	4.805	ng/ul	98
45) Dimethylphthalate	13.67	163	152267	3.799	ng/ul	99
50) Acenaphthene	14.27	153	441823	14.186	ng/ul	98
54) Dibenzofuran	14.61	168	284875	6.117	ng/ul	97
59) Fluorene	15.26	166	332823	8.315	ng/ul	99
70) Phenanthrene	17.00	178	1779350	25.932	ng/ul	99
72) Anthracene	17.09	178	376898	5.392	ng/ul	99
75) Carbazole	17.36	167	131261	2.218	ng/ul	99
77) Fluoranthene	19.02	202	1492422	17.652	ng/ul	99
80) Pyrene	19.39	202	1025109	11.542	ng/ul	98
83) Benzo(a)anthracene	21.14	228	400991	4.215	ng/ul	99
85) Chrysene	21.19	228	467915	4.978	ng/ul	99
88) Benzo(b)fluoranthene	22.68	252	344007	3.592	ng/ul	97
89) Benzo(k)fluoranthene	22.68	252	344007	3.583	ng/ul	97
91) Benzo(a)pyrene	23.23	252	189945	2.126	ng/ul	99

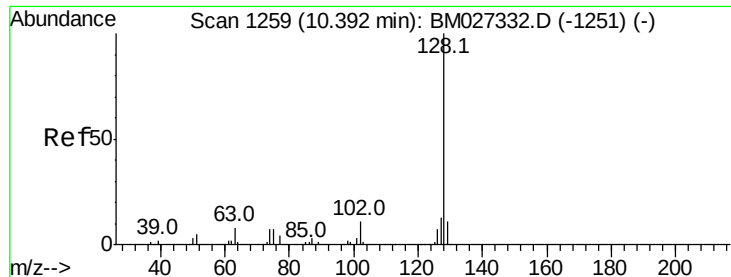
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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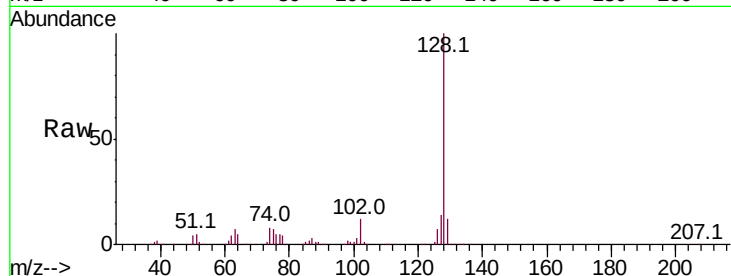




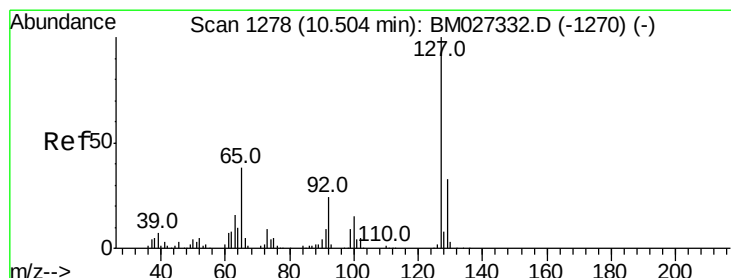
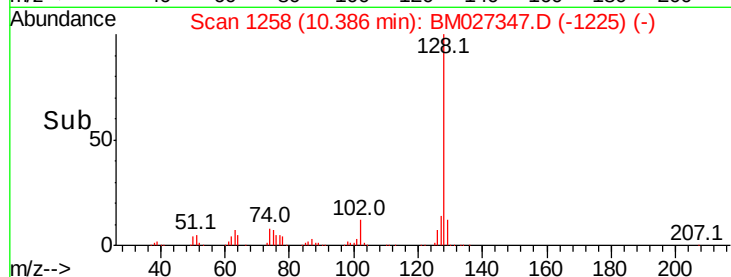
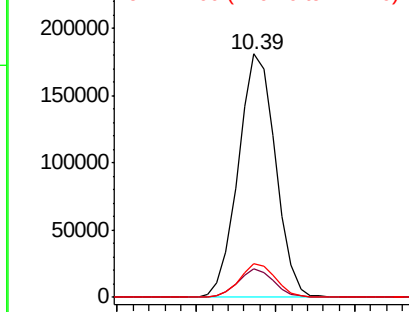
#28
Naphthalene
Concen: 8.838 ng/ul
RT: 10.39 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BM027347.D
Acq: 05 Sep 2020 01:24

Instrument :
BNA_M
ClientSampleId :
C0AC8

Tot Ion:128 Resp: 294878
Ion Ratio Lower Upper
128 100
129 11.8 8.4 12.6
127 13.7 10.3 15.5

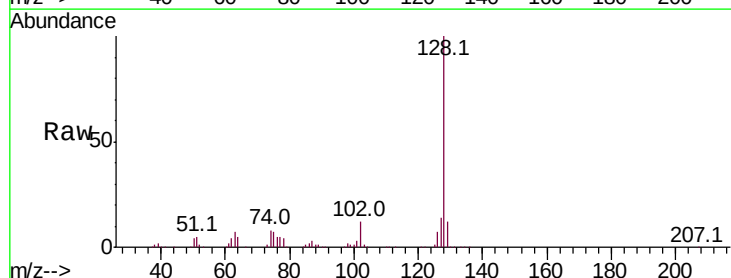


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

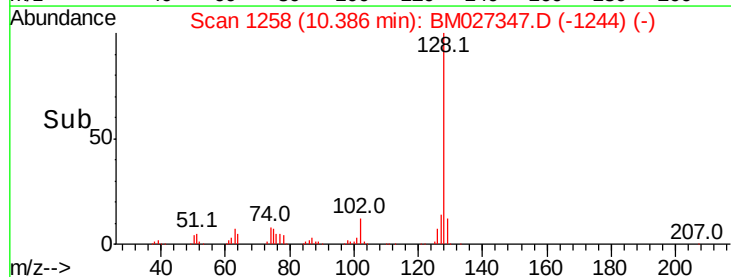
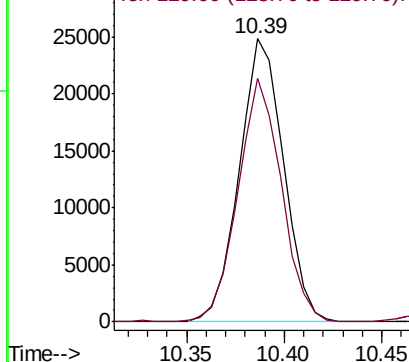


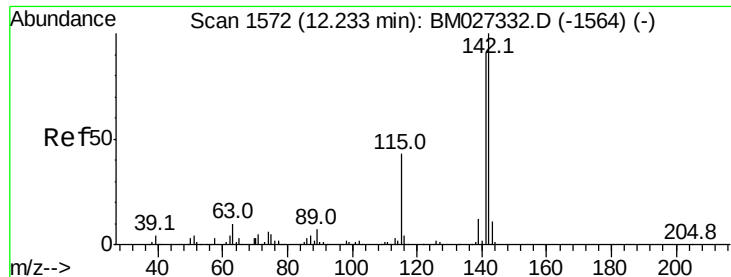
#30
4-Chloroaniline
Concen: 2.935 ng/ul
RT: 10.39 min Scan# 1258
Delta R.T. -0.12 min
Lab File: BM027347.D
Acq: 05 Sep 2020 01:24

Tgt Ion:127 Resp: 39013
Ion Ratio Lower Upper
127 100
129 86.0 25.9 38.9#



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

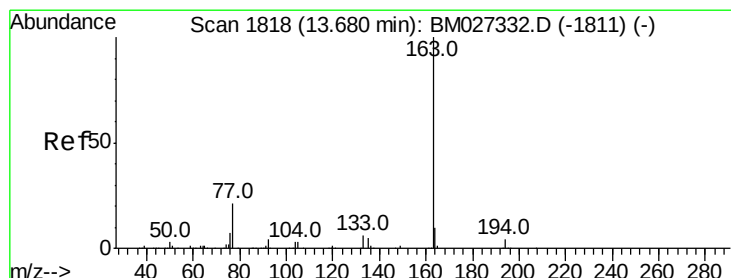
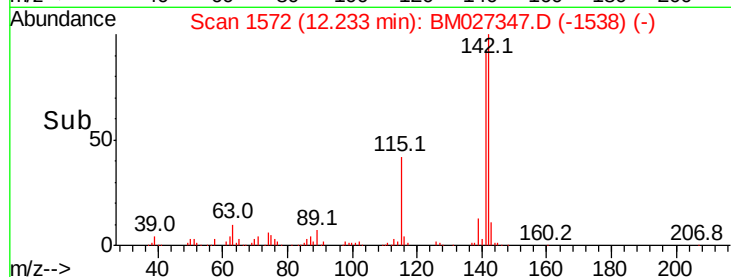
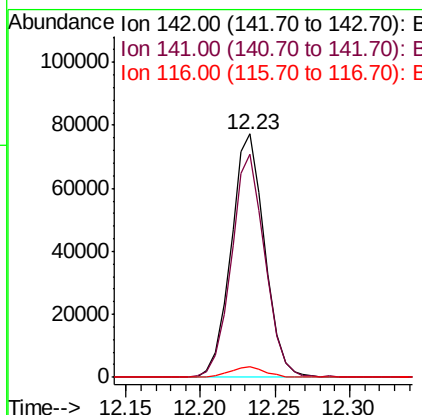
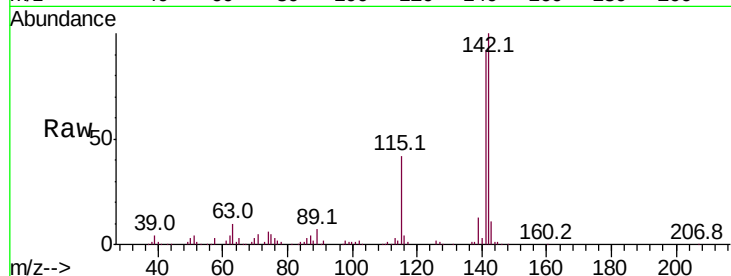




#35
 1-Methylnaphthalene
 Concen: 4.805 ng/ul
 RT: 12.23 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BM027347.D
 Acq: 05 Sep 2020 01:24

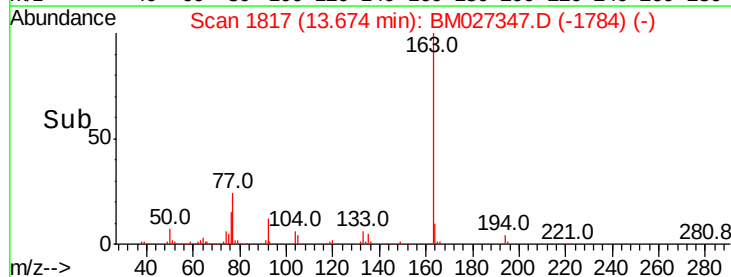
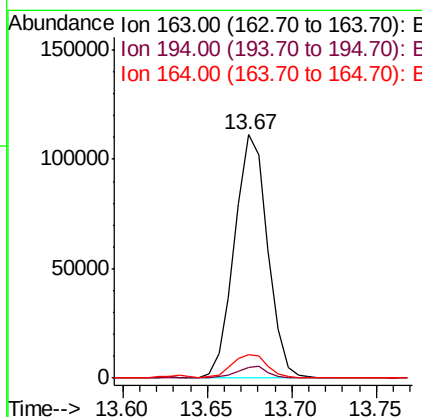
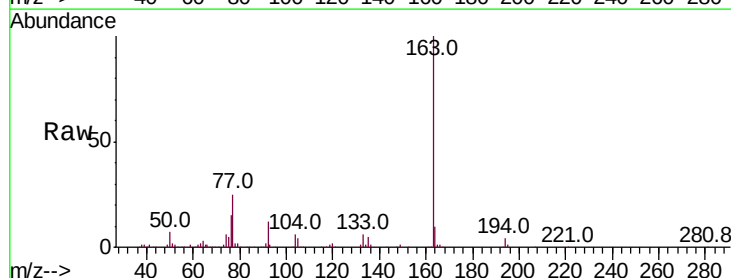
Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

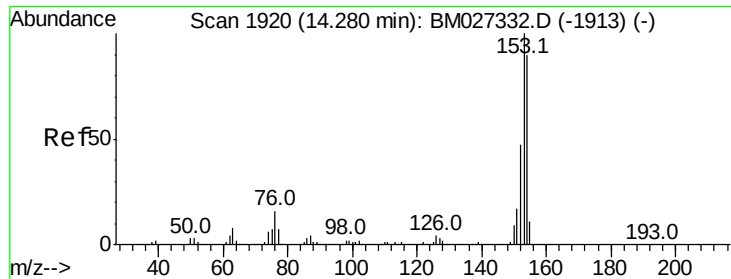
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.7	74.6	111.8
116	4.3	3.6	5.4



#45
 Dimethylphthalate
 Concen: 3.799 ng/ul
 RT: 13.67 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BM027347.D
 Acq: 05 Sep 2020 01:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	9.7	8.1	12.1





#50

Acenaphthene

Concen: 14.186 ng/ul

RT: 14.27 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BM027347.D

Acq: 05 Sep 2020 01:24

Instrument :

BNA_M

ClientSampleId :

C0AC8

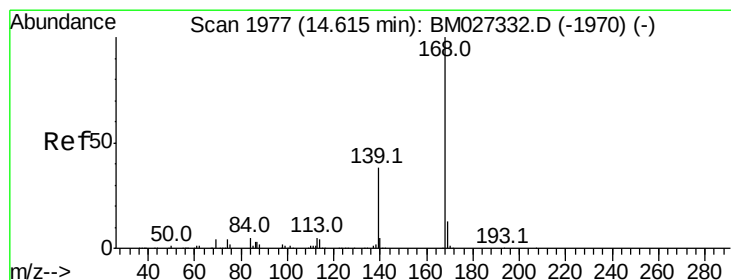
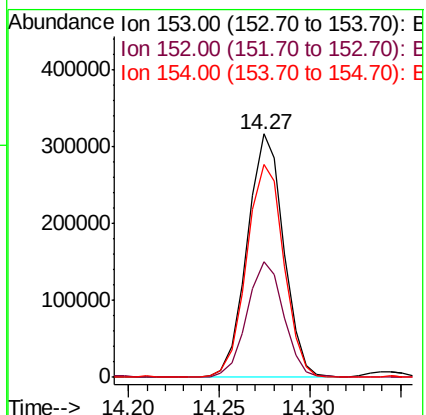
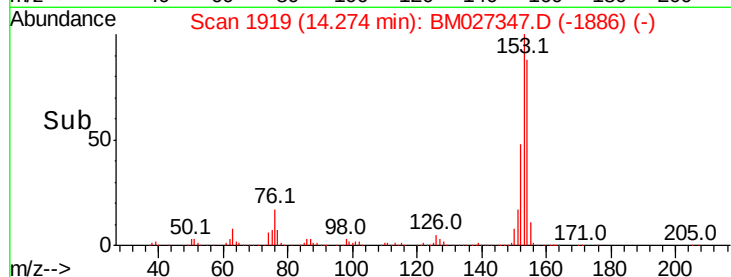
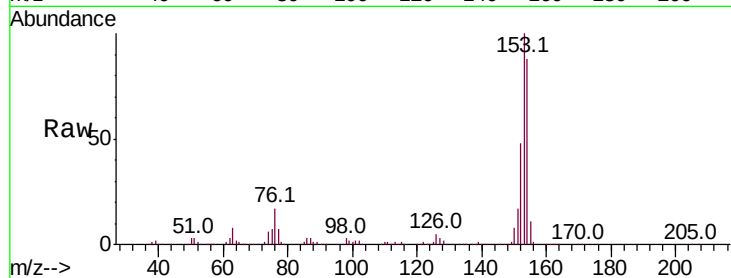
Tot Ion:153 Resp: 441823

Ion Ratio Lower Upper

153 100

152 47.5 38.1 57.1

154 87.7 72.5 108.7



#54

Dibenzofuran

Concen: 6.117 ng/ul

RT: 14.61 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM027347.D

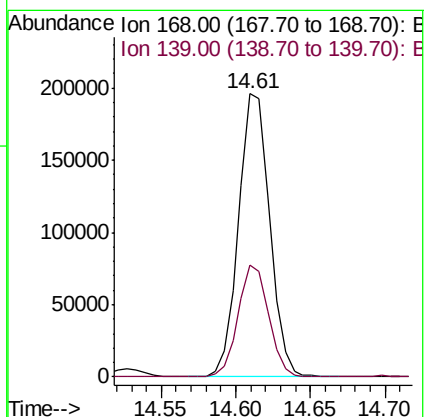
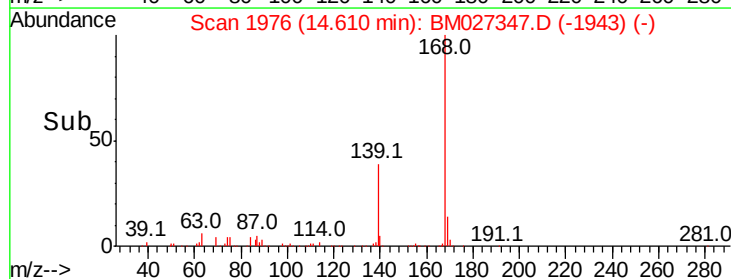
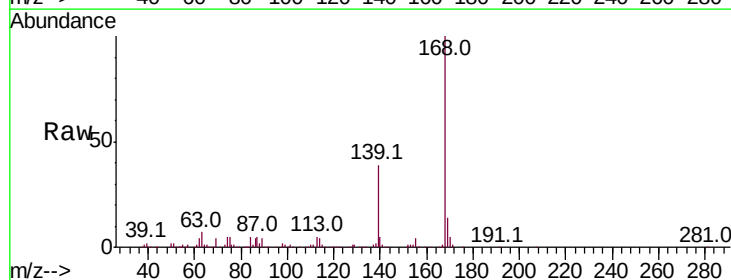
Acq: 05 Sep 2020 01:24

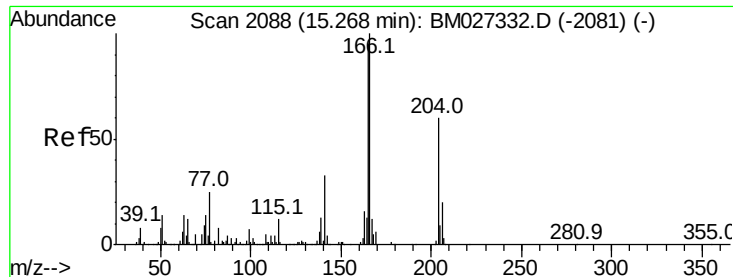
Tgt Ion:168 Resp: 284875

Ion Ratio Lower Upper

168 100

139 39.5 30.3 45.5





#59

Fluorene

Concen: 8.315 ng/ul

RT: 15.26 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BM027347.D

Acq: 05 Sep 2020 01:24

Instrument :

BNA_M

ClientSampleId :

C0AC8

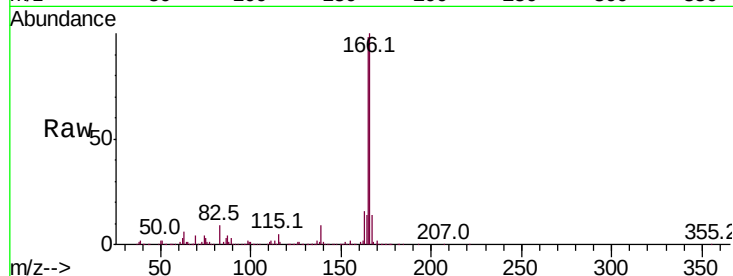
Tot Ion:166 Resp: 332823

Ion Ratio Lower Upper

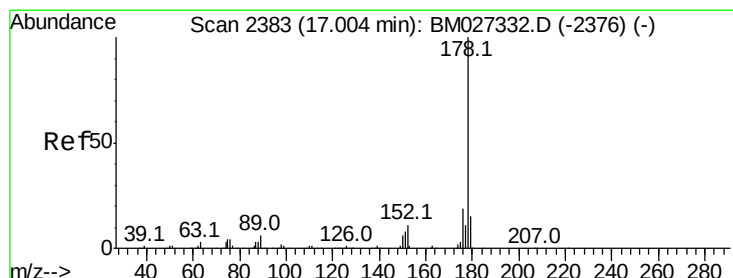
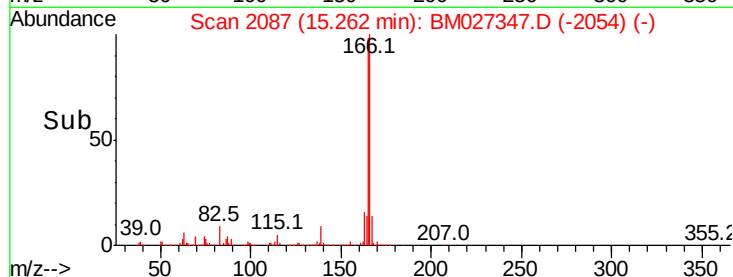
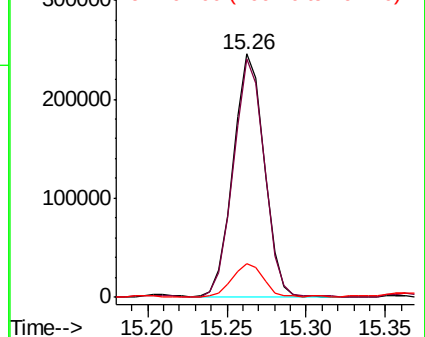
166 100

165 98.1 77.8 116.6

167 14.1 10.7 16.1



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: 25.932 ng/ul

RT: 17.00 min Scan# 2382

Delta R.T. -0.01 min

Lab File: BM027347.D

Acq: 05 Sep 2020 01:24

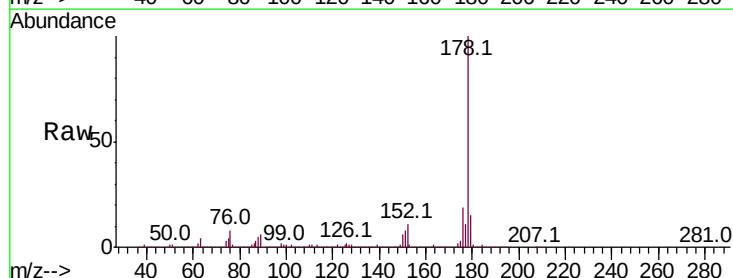
Tgt Ion:178 Resp: 1779350

Ion Ratio Lower Upper

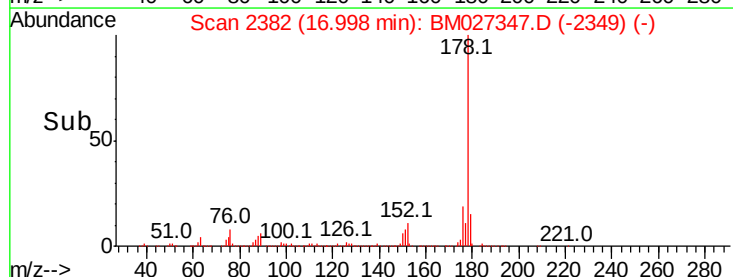
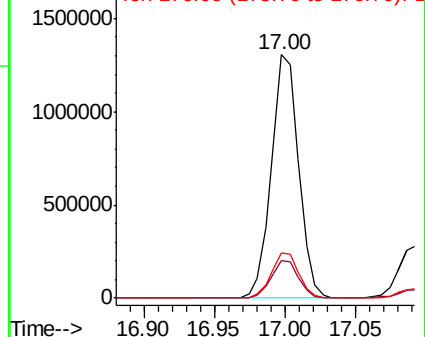
178 100

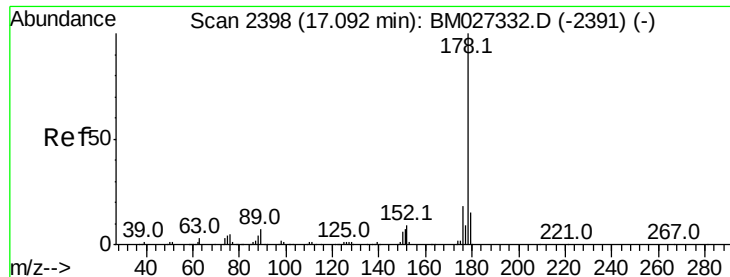
179 15.4 12.2 18.4

176 18.5 15.1 22.7



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: 5.392 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM027347.D

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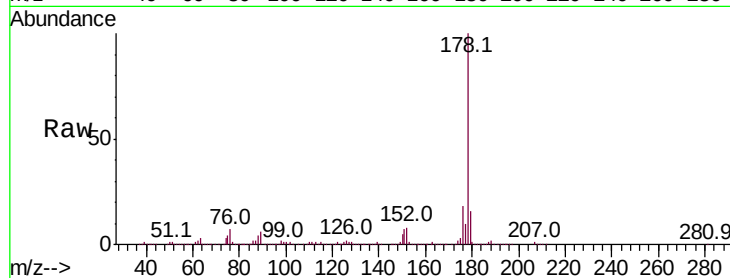
Tot Ion:178 Resp: 376898

Ion Ratio Lower Upper

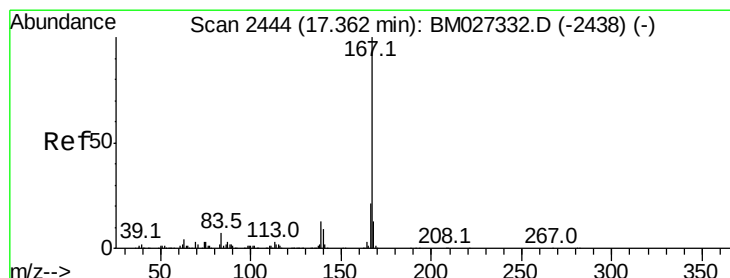
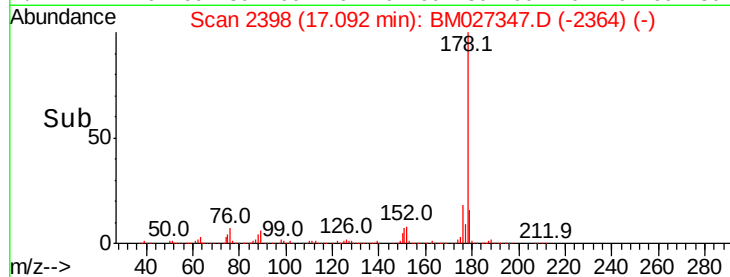
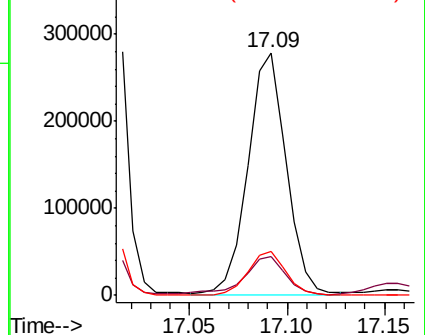
178 100

179 15.8 12.5 18.7

176 18.0 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



#75

Carbazole

Concen: 2.218 ng/ul

RT: 17.36 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BM027347.D

Acq: 05 Sep 2020 01:24

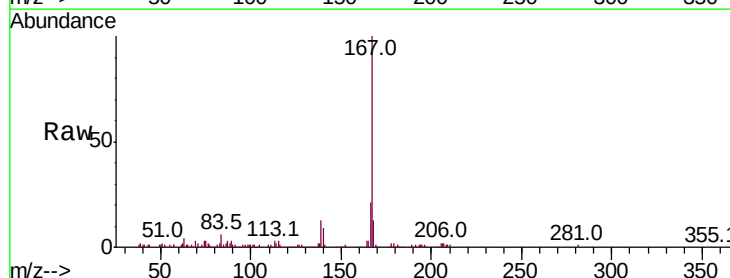
Tgt Ion:167 Resp: 131261

Ion Ratio Lower Upper

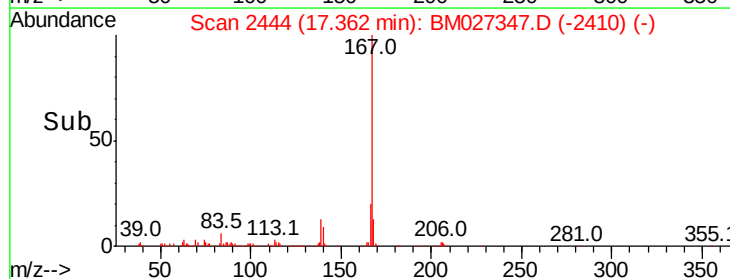
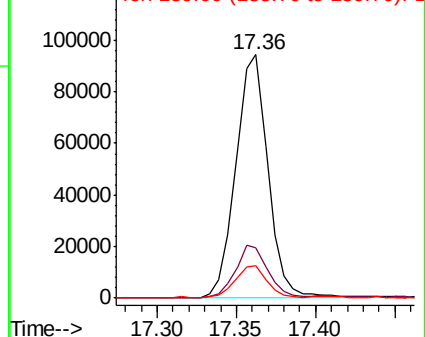
167 100

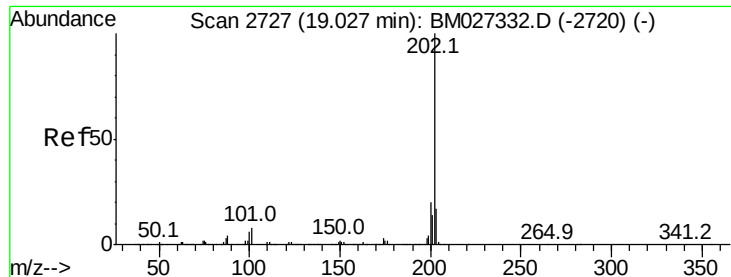
166 20.9 16.8 25.2

139 13.3 10.1 15.1



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



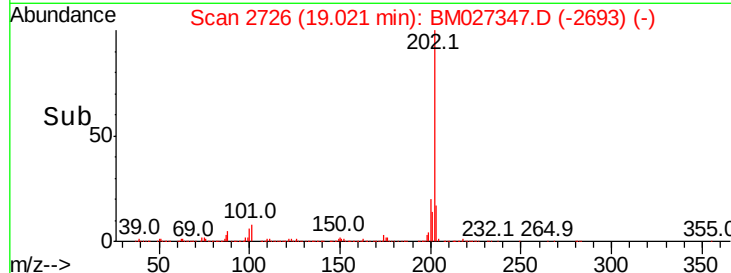
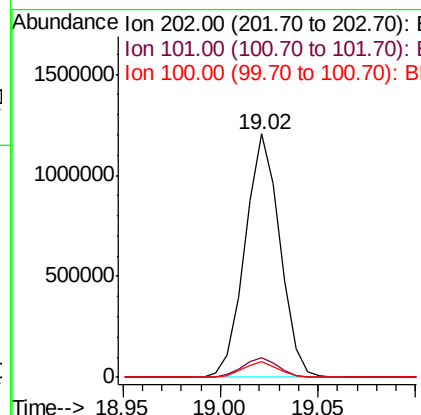
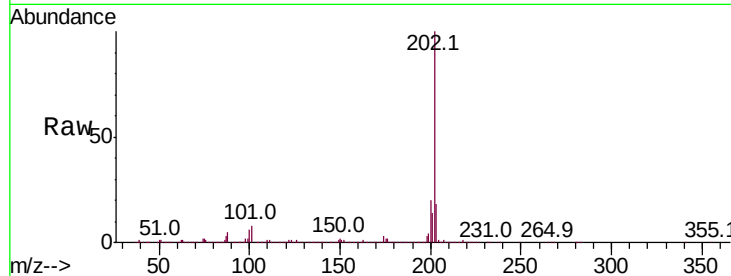


#77
Fluoranthene
 Concen: 17.652 ng/ul
 RT: 19.02 min Scan# 2726
 Delta R.T. -0.01 min
 Lab File: BM027347.D
 Acq: 05 Sep 2020 01:24

Instrument :
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 ClientSampleId :
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Tot Ion:202 Resp: 1492422

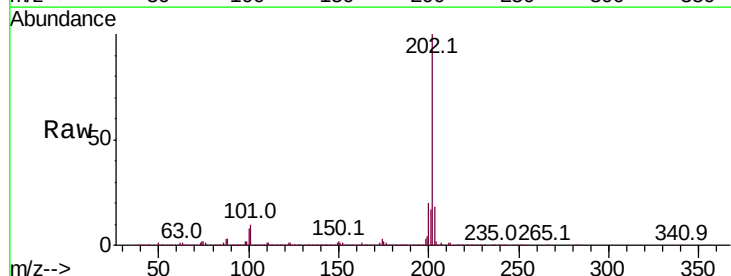
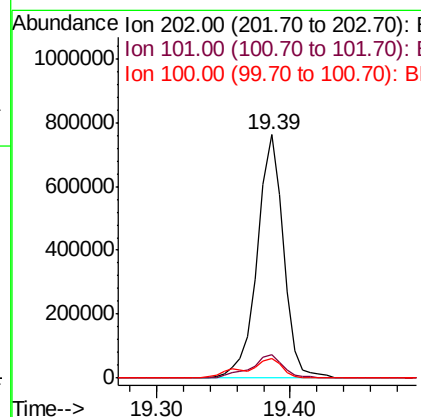
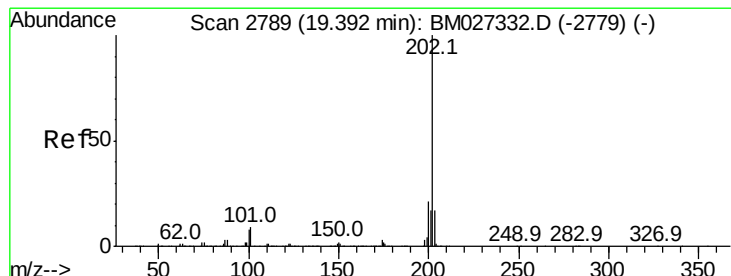
Ion	Ratio	Lower	Upper
202	100		
101	8.2	6.2	9.2
100	6.4	5.0	7.6

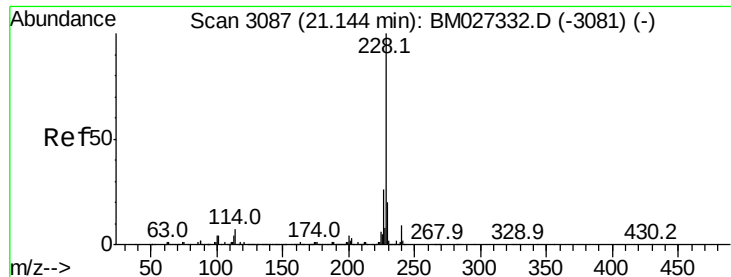


#80
Pyrene
 Concen: 11.542 ng/ul
 RT: 19.39 min Scan# 2788
 Delta R.T. -0.01 min
 Lab File: BM027347.D
 Acq: 05 Sep 2020 01:24

Tgt Ion:202 Resp: 1025109

Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.1	10.7
100	8.0	6.1	9.1





#83

Benzo(a)anthracene

Concen: 4.215 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM027347.D

Acq: 05 Sep 2020 01:24

Instrument :

BNA_M

ClientSampleId :

C0AC8

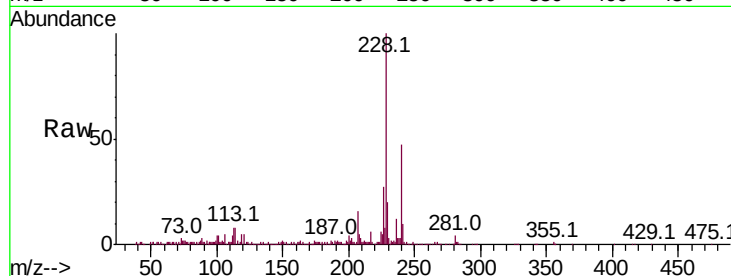
Tot Ion:228 Resp: 400991

Ion Ratio Lower Upper

228 100

229 20.0 15.8 23.6

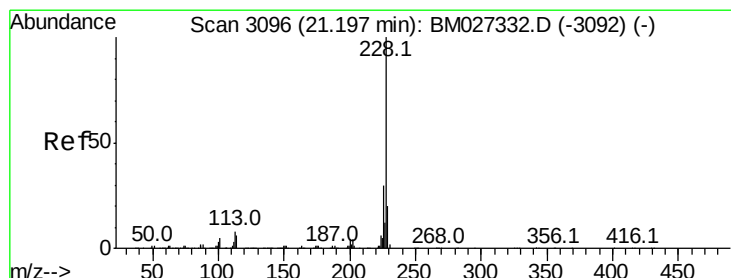
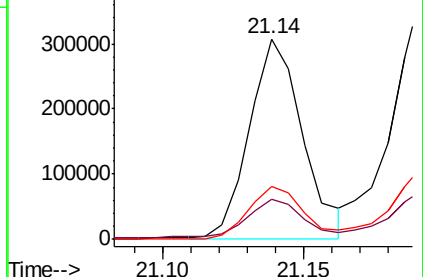
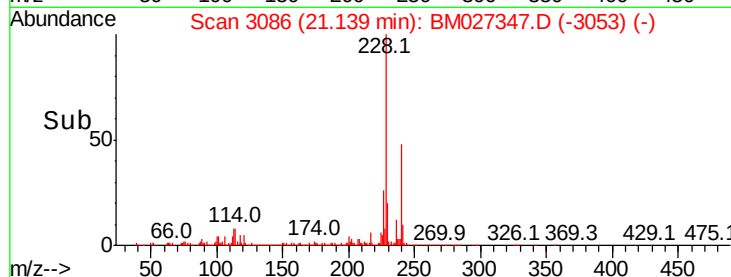
226 26.6 21.5 32.3



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



#85

Chrysene

Concen: 4.978 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM027347.D

Acq: 05 Sep 2020 01:24

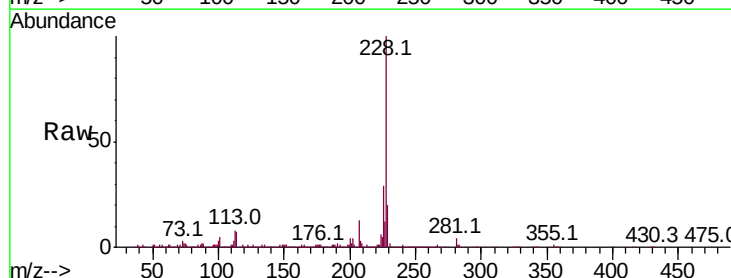
Tgt Ion:228 Resp: 467915

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.2

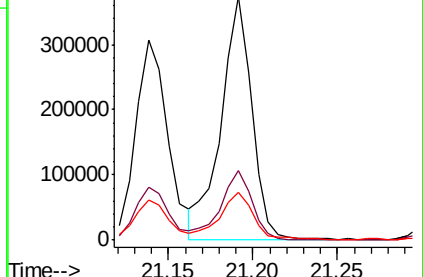
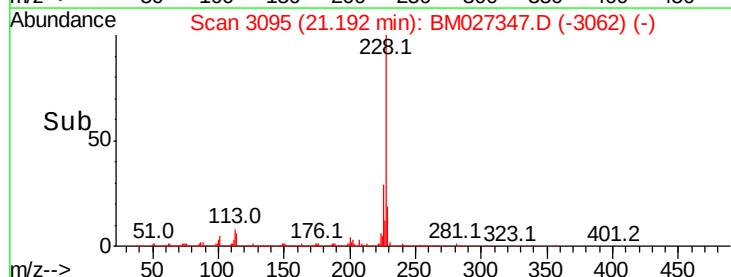
229 19.8 15.8 23.8

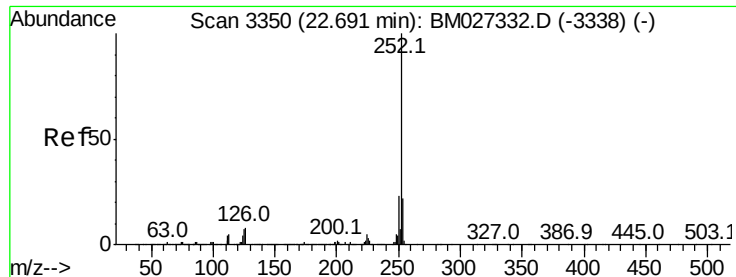


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 3.592 ng/ul

RT: 22.68 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BM027347.D

Acq: 05 Sep 2020 01:24

Instrument :

BNA_M

ClientSampleId :

C0AC8

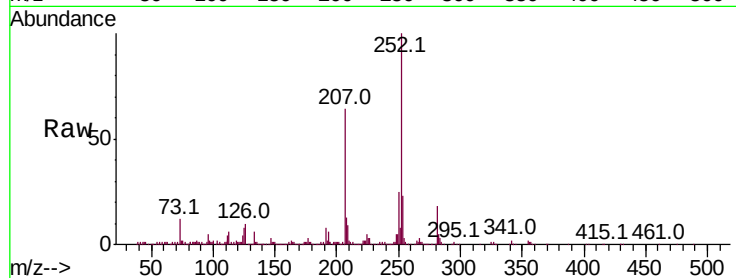
Tot Ion:252 Resp: 344007

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

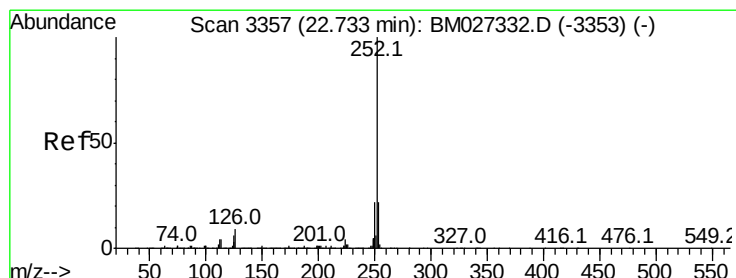
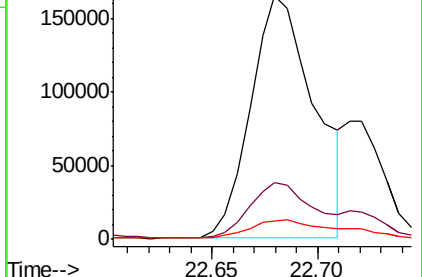
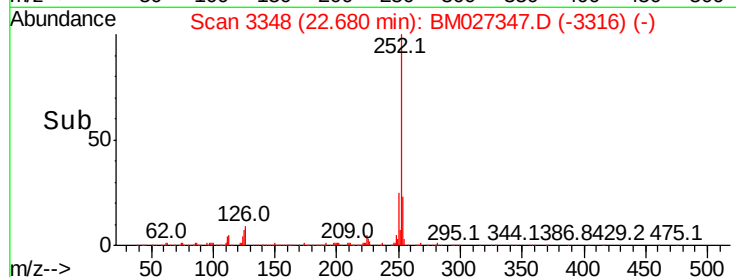
125 7.7 5.1 7.7



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: 3.583 ng/ul

RT: 22.68 min Scan# 3348

Delta R.T. -0.05 min

Lab File: BM027347.D

Acq: 05 Sep 2020 01:24

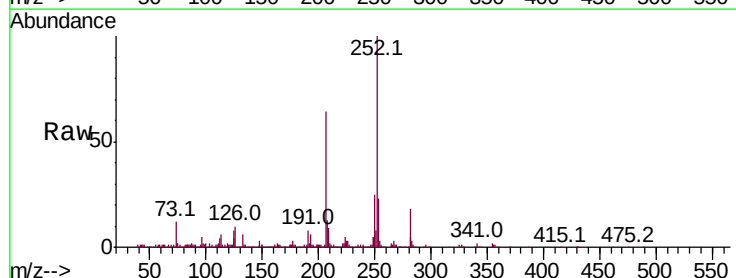
Tgt Ion:252 Resp: 344007

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

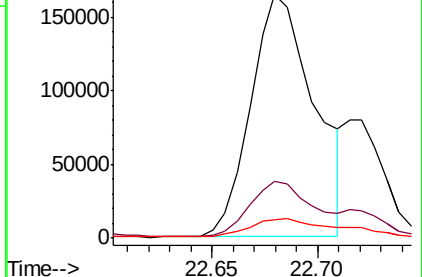
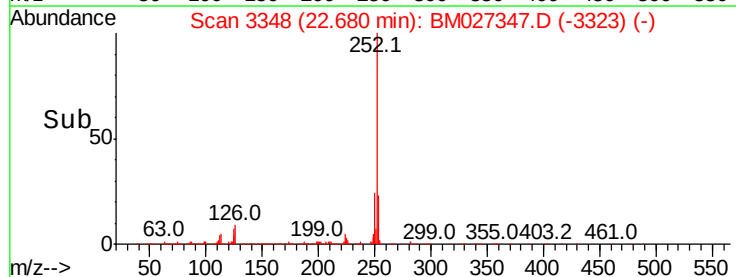
125 7.7 5.6 8.4

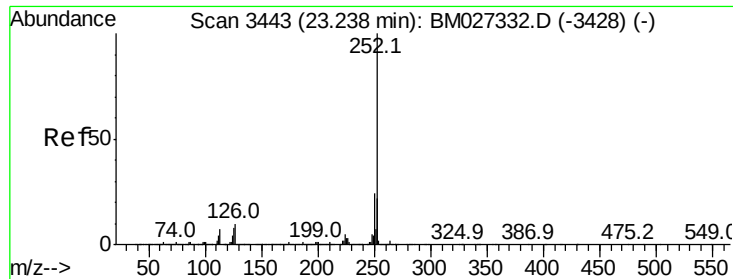


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 2.126 ng/ul

RT: 23.23 min Scan# 3442

Delta R.T. -0.01 min

Lab File: BM027347.D

Acq: 05 Sep 2020 01:24

Instrument :

BNA_M

ClientSampleId :

C0AC8

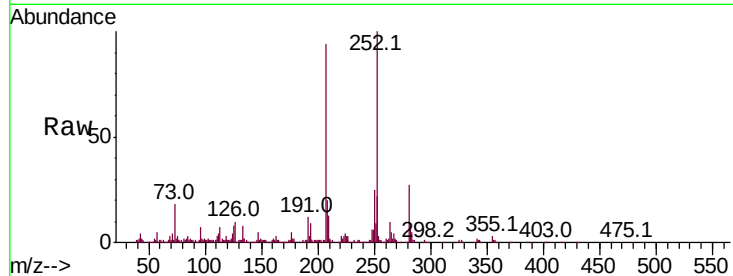
Tot Ion:252 Resp: 189945

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 8.0 6.6 10.0



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

