

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082021\
 Data File : BM031838.D
 Acq On : 20 Aug 2021 12:46
 Operator : CG/JU
 Sample : M3397-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-06-0002

Quant Time: Aug 20 13:47:10 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 18 14:13:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

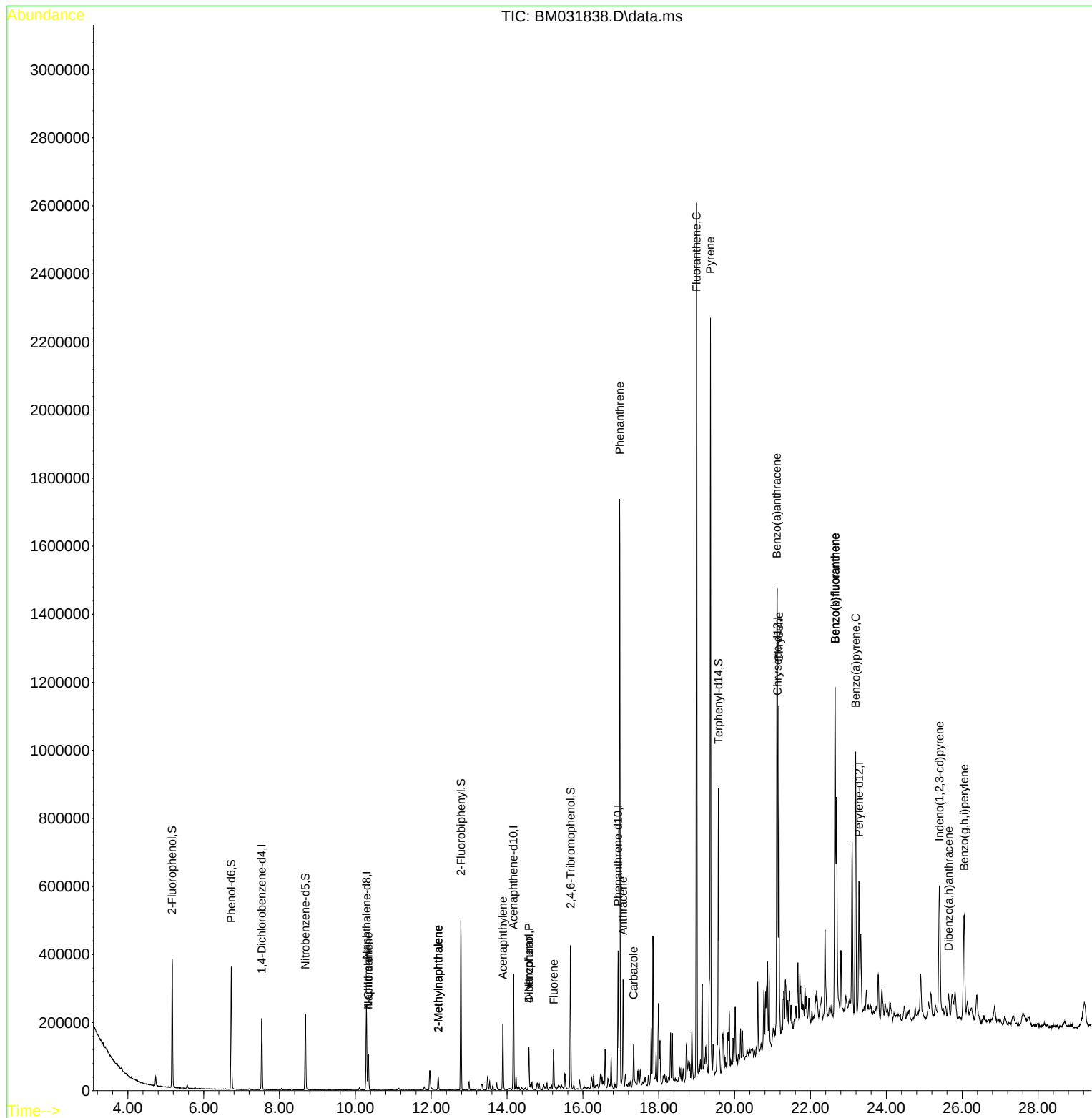
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.534	152	46918	20.000	ng	0.00
21) Naphthalene-d8	10.292	136	185093	20.000	ng	# 0.00
39) Acenaphthene-d10	14.169	164	104588	20.000	ng	-0.01
64) Phenanthrene-d10	16.927	188	212972	20.000	ng	0.00
76) Chrysene-d12	21.133	240	217968	20.000	ng	0.00
86) Perylene-d12	23.280	264	223456	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.169	112	137569	47.060	ng	0.00
7) Phenol-d6	6.728	99	166883	39.398	ng	0.00
23) Nitrobenzene-d5	8.681	82	121369	27.456	ng	-0.01
42) 2,4,6-Tribromophenol	15.674	330	48388	37.564	ng	0.00
45) 2-Fluorobiphenyl	12.781	172	222016	28.254	ng	-0.01
79) Terphenyl-d14	19.574	244	314100	24.280	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.340	128	77081	7.274	ng	97
33) 4-Chloroaniline	10.340	127	9607	2.181	ng	# 41
37) 2-Methylnaphthalene	12.186	142	16742	2.111	ng	94
38) 1-Methylnaphthalene	12.186	142	16739	2.210	ng	# 93
49) Acenaphthylene	13.892	152	130173	12.306	ng	98
55) Dibenzofuran	14.575	168	58266	5.411	ng	# 89
56) 4-Nitrophenol	14.575	139	25535	15.064	ng	# 5
58) Fluorene	15.227	166	48240	5.396	ng	96
71) Phenanthrene	16.968	178	910997	70.137	ng	99
72) Anthracene	17.057	178	176014	13.823	ng	98
73) Carbazole	17.339	167	67341	5.279	ng	97
75) Fluoranthene	18.998	202	1361578	87.517	ng	98
78) Pyrene	19.362	202	1174291	74.367	ng	99
81) Benzo(a)anthracene	21.115	228	538643	33.738	ng	93
83) Chrysene	21.168	228	451295	28.999	ng	97
87) Indeno(1,2,3-cd)pyrene	25.403	276	341916	21.713	ng	97
88) Benzo(b)fluoranthene	22.650	252	856872	51.073	ng	97
89) Benzo(k)fluoranthene	22.650	252	856872	52.915	ng	# 97
90) Benzo(a)pyrene	23.192	252	470010	31.641	ng	98
91) Dibenzo(a,h)anthracene	25.644	278	60040	4.335	ng	96
92) Benzo(g,h,i)perylene	26.050	276	331869	26.315	ng	98

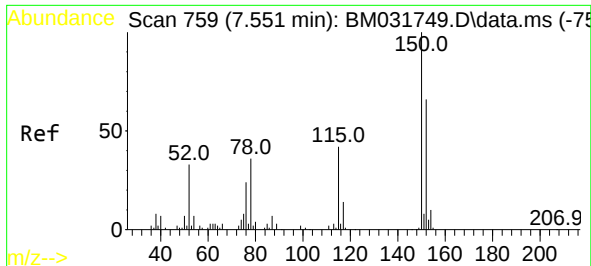
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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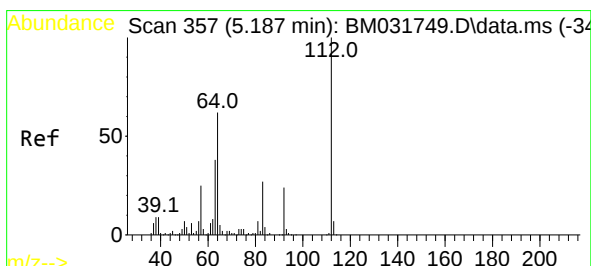
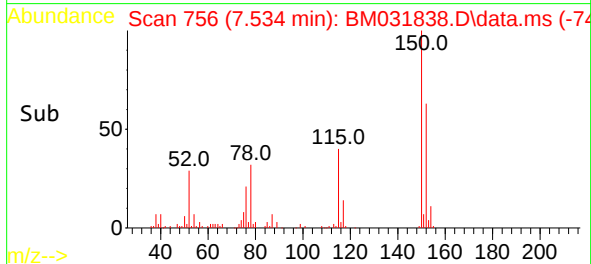
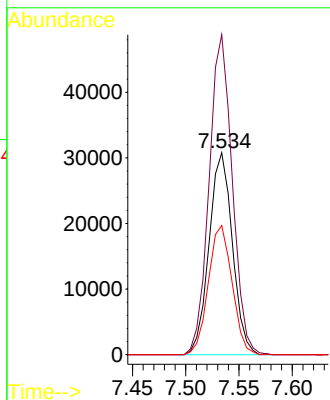
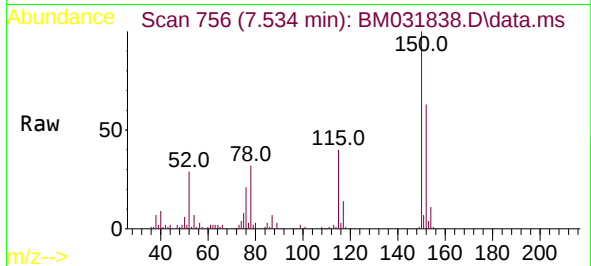




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

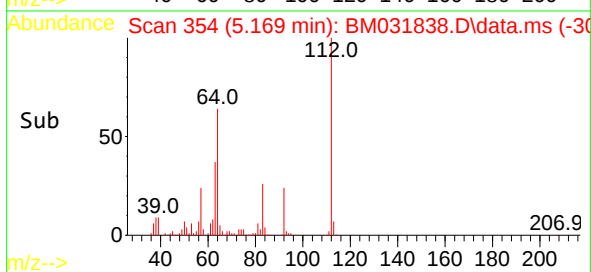
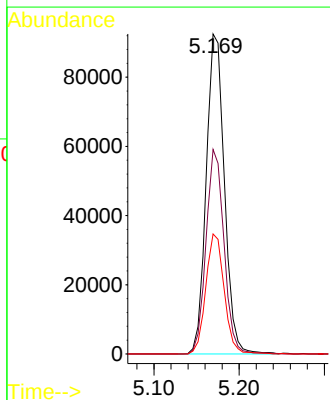
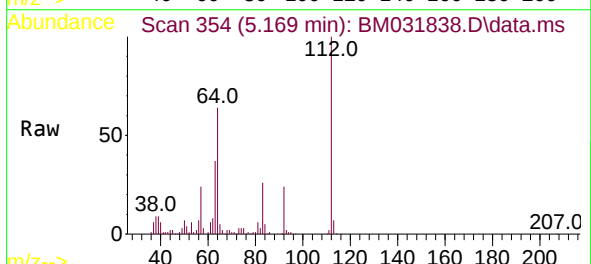
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002

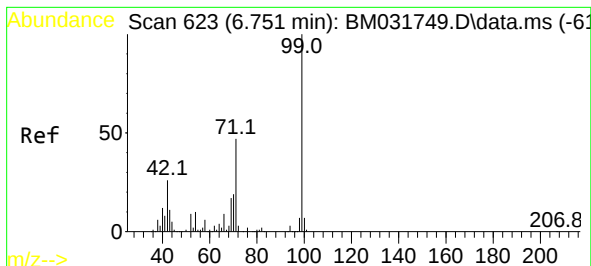
Tgt Ion:152 Resp: 46918
Ion Ratio Lower Upper
152 100
150 158.4 125.9 188.9
115 63.9 44.6 67.0



#5
2-Fluorophenol
Concen: 47.060 ng
RT: 5.169 min Scan# 354
Delta R.T. -0.006 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

Tgt Ion:112 Resp: 137569
Ion Ratio Lower Upper
112 100
64 63.9 47.1 70.7
63 37.5 27.3 40.9

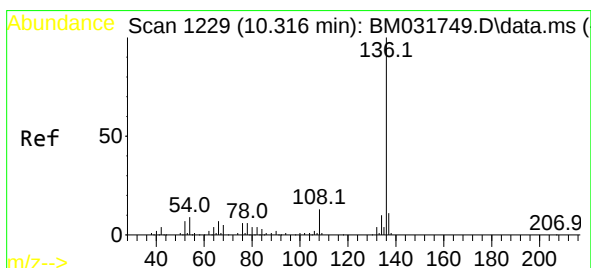
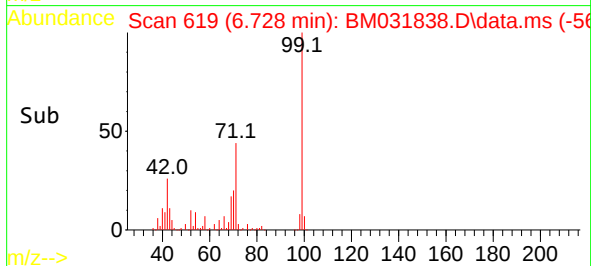
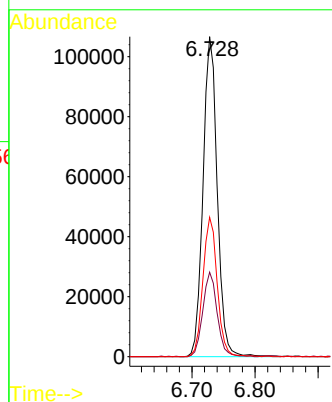
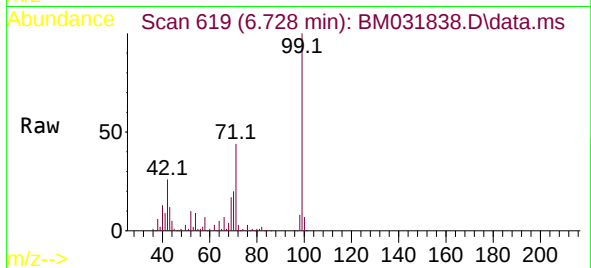




#7
Phenol-d6
Concen: 39.398 ng
RT: 6.728 min Scan# 619
Delta R.T. -0.006 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

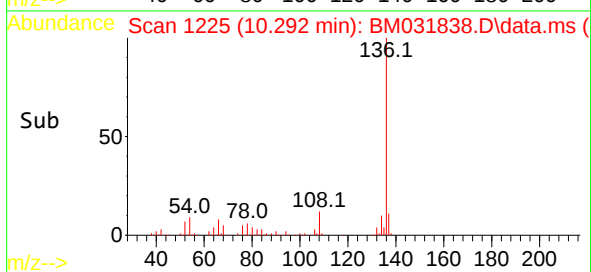
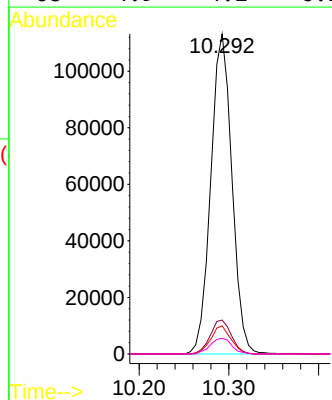
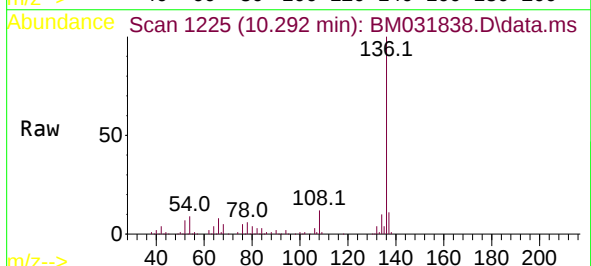
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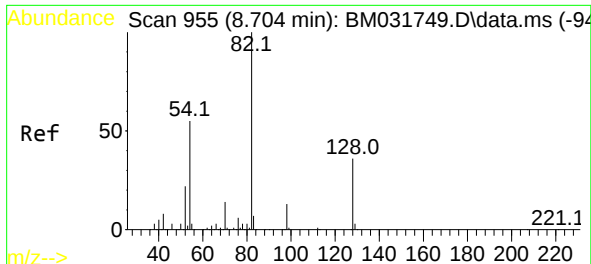
Tgt Ion: 99 Resp: 166883
Ion Ratio Lower Upper
99 100
42 26.4 18.0 27.0
71 43.5 30.9 46.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.292 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

Tgt Ion: 136 Resp: 185093
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 8.8 5.5 8.3#
68 4.9 4.2 6.2

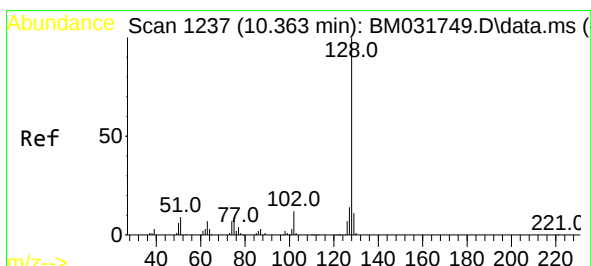
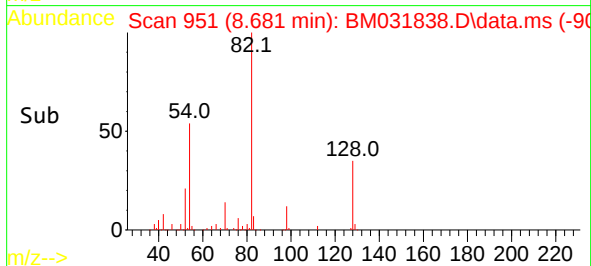
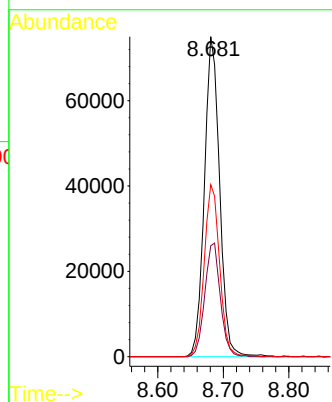
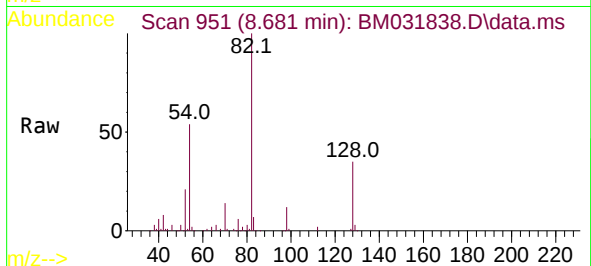




#23
Nitrobenzene-d5
Concen: 27.456 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.012 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

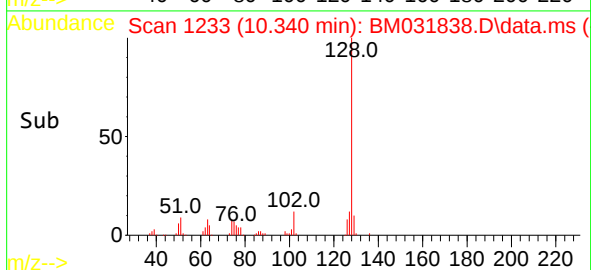
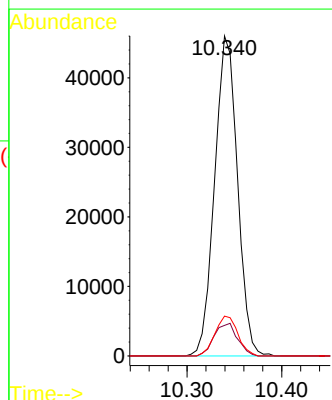
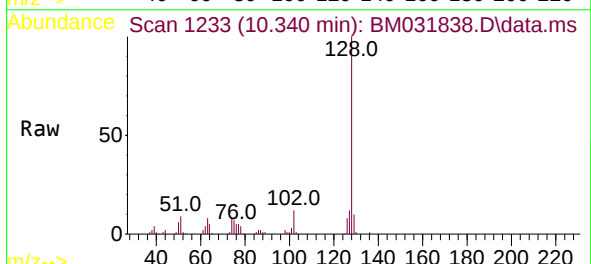
Instrument :
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ClientSampleId :
SWCS-06-0002

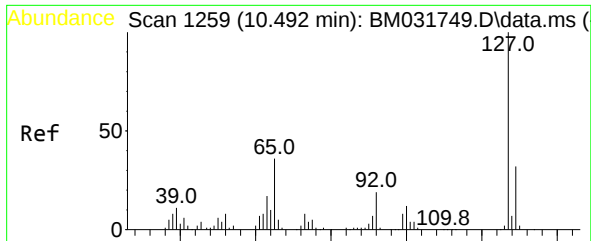
Tgt Ion: 82 Resp: 121369
Ion Ratio Lower Upper
82 100
128 34.6 31.1 46.7
54 53.8 37.3 55.9



#31
Naphthalene
Concen: 7.274 ng
RT: 10.340 min Scan# 1233
Delta R.T. -0.012 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

Tgt Ion: 128 Resp: 77081
Ion Ratio Lower Upper
128 100
129 9.6 9.0 13.6
127 12.5 10.8 16.2

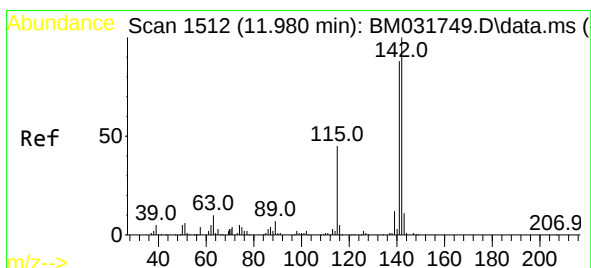
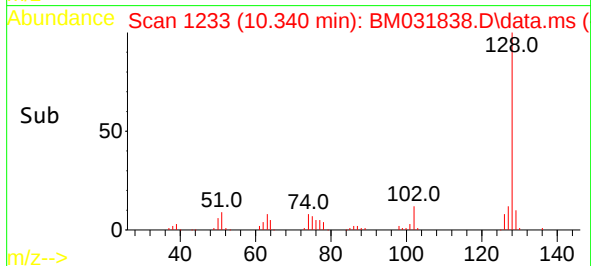
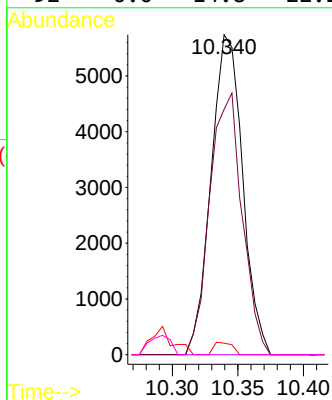
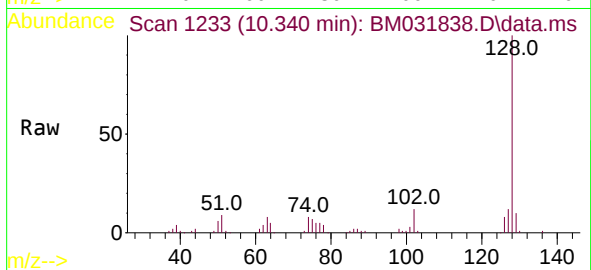




#33
4-Chloroaniline
Concen: 2.181 ng
RT: 10.340 min Scan# 1233
Delta R.T. -0.135 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

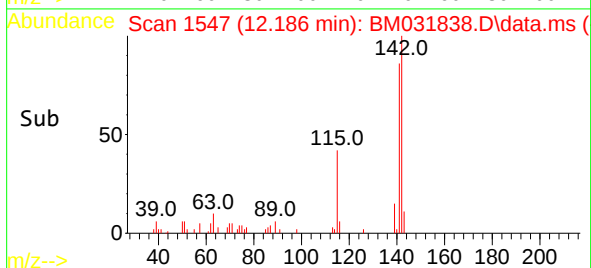
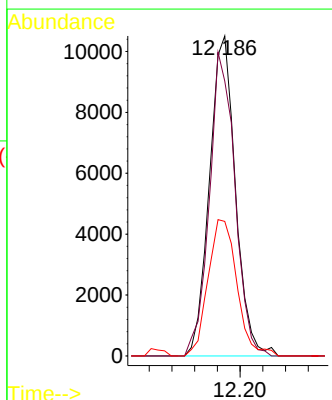
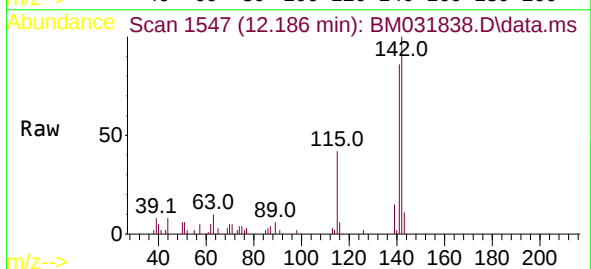
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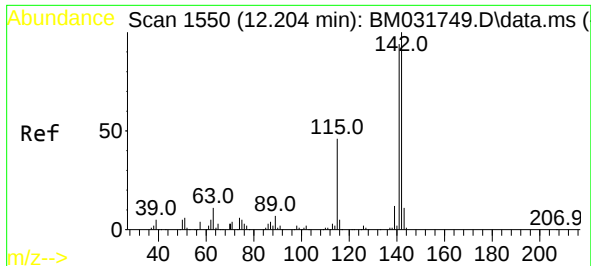
Tgt Ion:	127	Resp:	9607
Ion	Ratio	Lower	Upper
127	100		
129	76.7	26.8	40.2#
65	3.6	25.2	37.8#
92	0.0	14.8	22.2#



#37
2-Methylnaphthalene
Concen: 2.111 ng
RT: 12.186 min Scan# 1547
Delta R.T. 0.218 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

Tgt Ion:	142	Resp:	16742
Ion	Ratio	Lower	Upper
142	100		
141	85.9	71.7	107.5
115	42.1	29.1	43.7

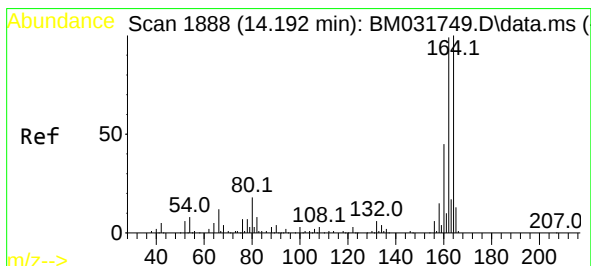
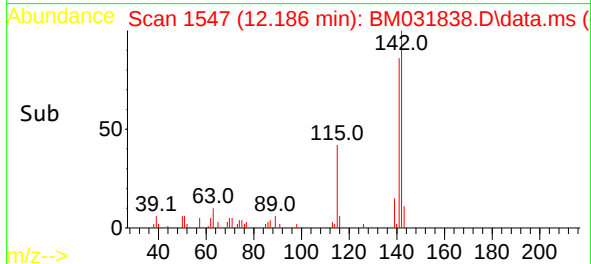
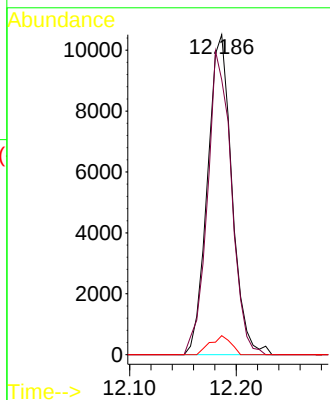
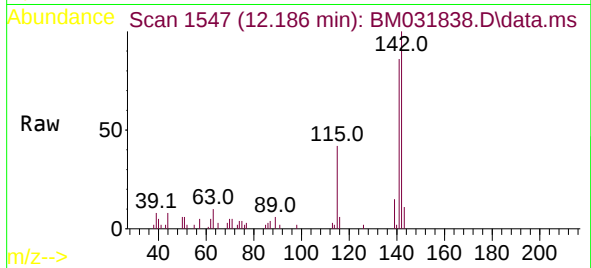




#38
1-Methylnaphthalene
Concen: 2.210 ng
RT: 12.186 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

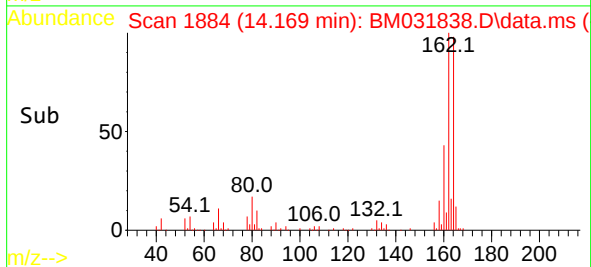
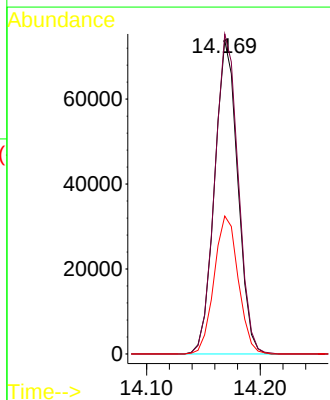
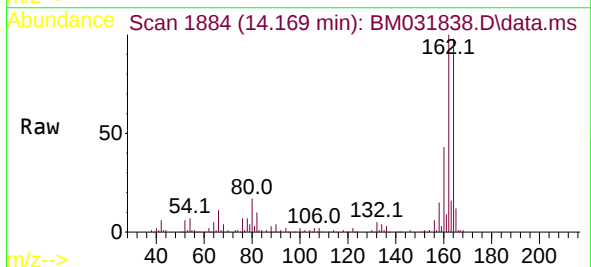
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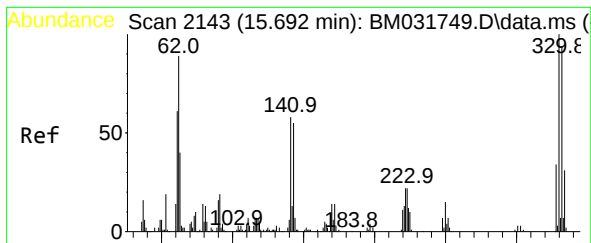
Tgt Ion:142 Resp: 16739
Ion Ratio Lower Upper
142 100
141 85.9 74.2 111.4
116 6.0 3.0 4.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.169 min Scan# 1884
Delta R.T. -0.012 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

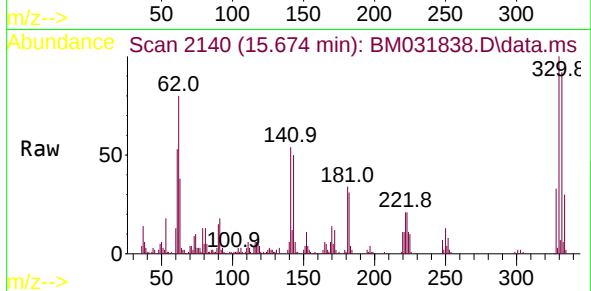
Tgt Ion:164 Resp: 104588
Ion Ratio Lower Upper
164 100
162 102.1 83.4 125.0
160 44.0 37.2 55.8



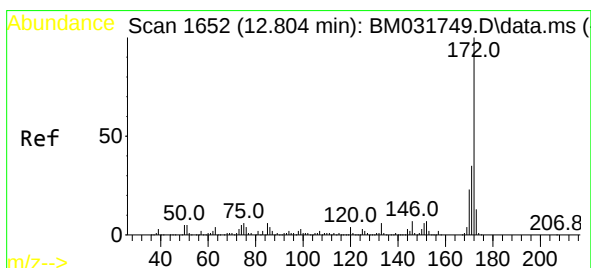
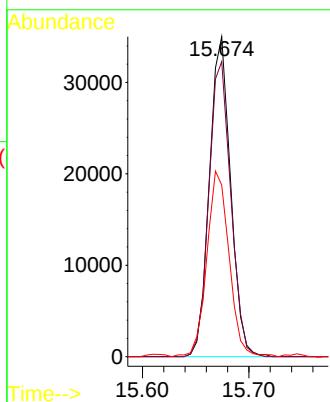
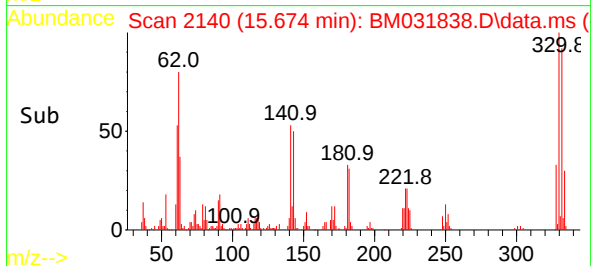


#42
2,4,6-Tribromophenol
Concen: 37.564 ng
RT: 15.674 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

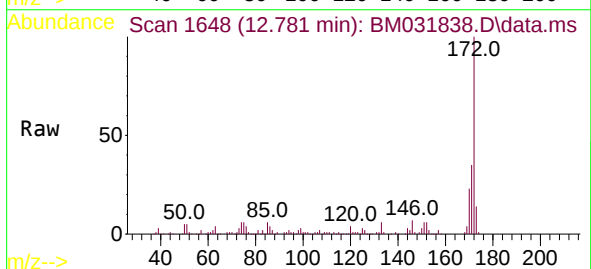
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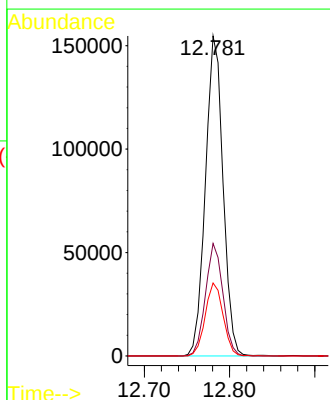
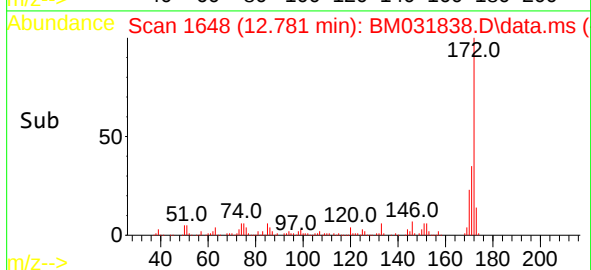
Tgt Ion:330 Resp: 48388
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.4
141 60.7 30.2 45.2#

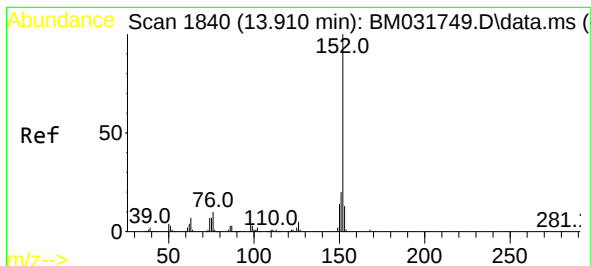


#45
2-Fluorobiphenyl
Concen: 28.254 ng
RT: 12.781 min Scan# 1648
Delta R.T. -0.012 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46



Tgt Ion:172 Resp: 222016
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 22.8 18.4 27.6

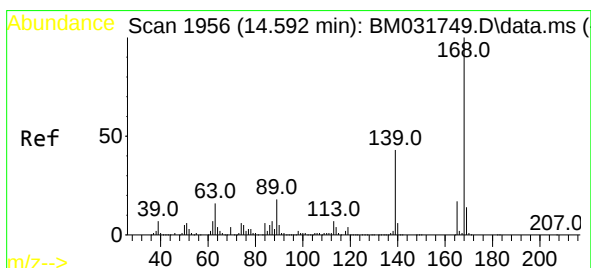
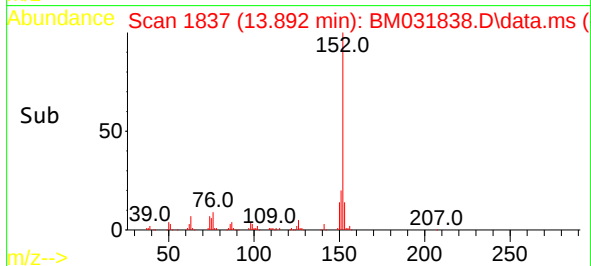
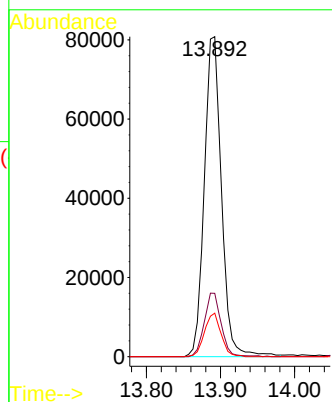
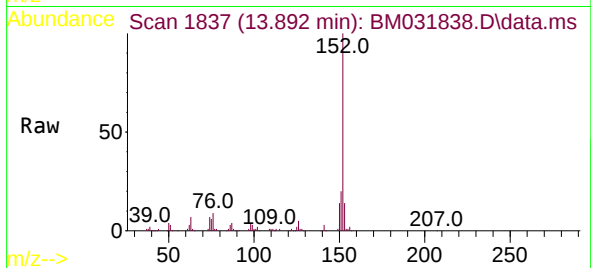




#49
Acenaphthylene
Concen: 12.306 ng
RT: 13.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

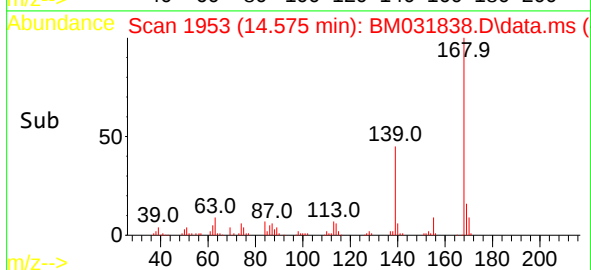
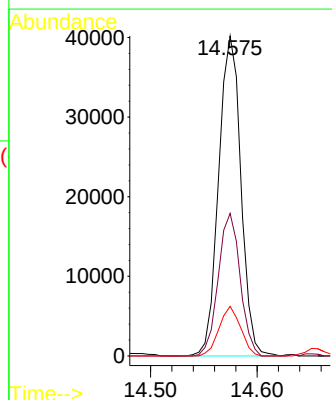
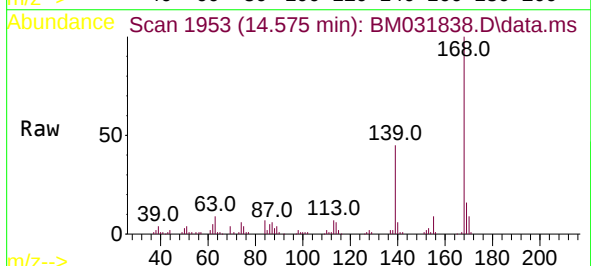
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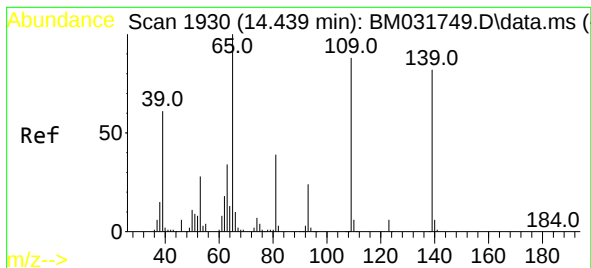
Tgt Ion:152 Resp: 130173
Ion Ratio Lower Upper
152 100
151 19.8 16.3 24.5
153 13.6 10.2 15.4



#55
Dibenzofuran
Concen: 5.411 ng
RT: 14.575 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

Tgt Ion:168 Resp: 58266
Ion Ratio Lower Upper
168 100
139 44.5 29.4 44.0#
169 15.5 10.8 16.2

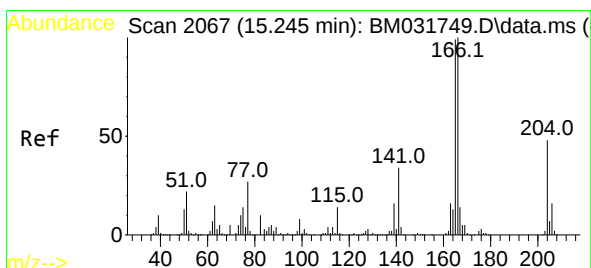
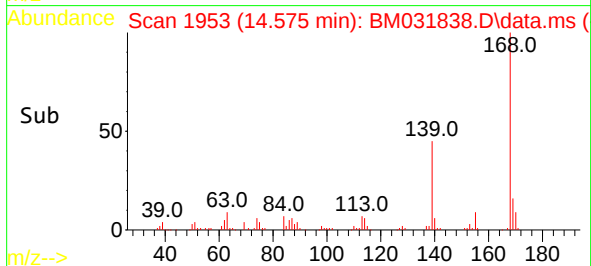
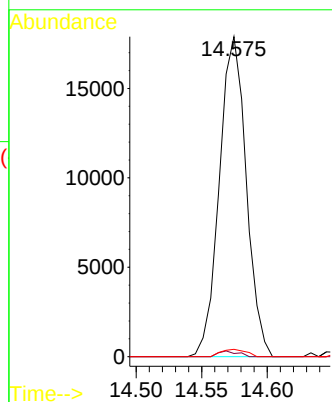
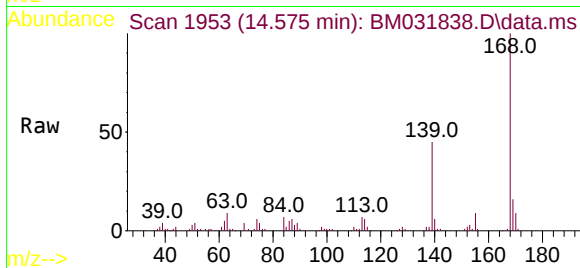




#56
4-Nitrophenol
Concen: 15.064 ng
RT: 14.575 min Scan# 1953
Delta R.T. 0.147 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

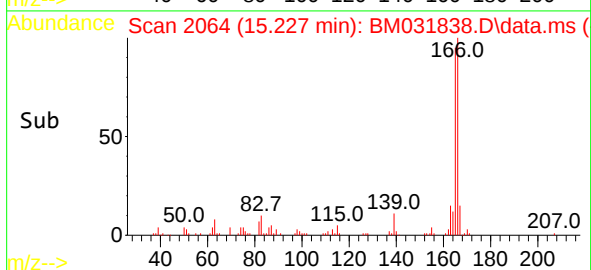
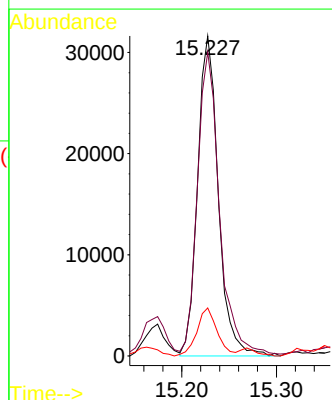
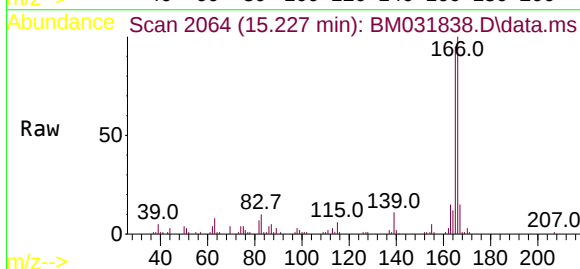
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002

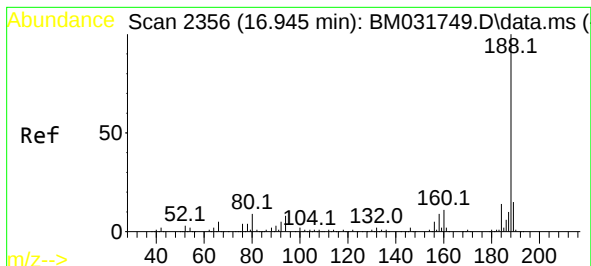
Tgt Ion:139 Resp: 25535
Ion Ratio Lower Upper
139 100
109 1.0 64.5 104.5#
65 2.3 78.9 118.9#



#58
Fluorene
Concen: 5.396 ng
RT: 15.227 min Scan# 2064
Delta R.T. -0.006 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

Tgt Ion:166 Resp: 48240
Ion Ratio Lower Upper
166 100
165 95.0 79.0 118.6
167 15.0 10.8 16.2

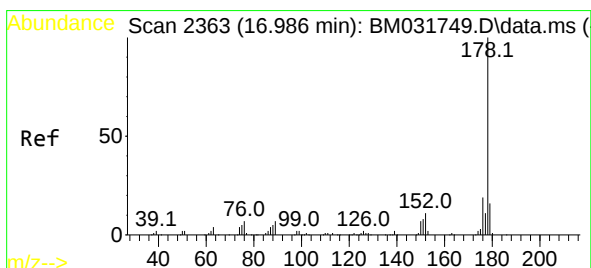
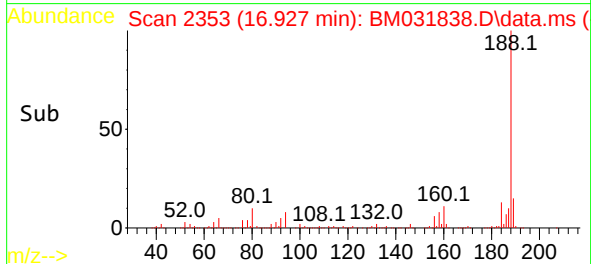
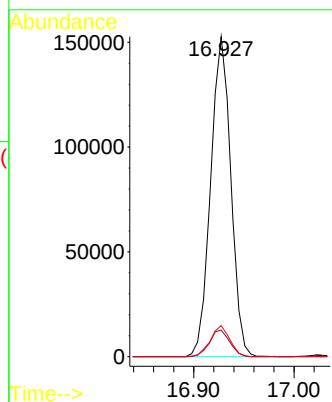
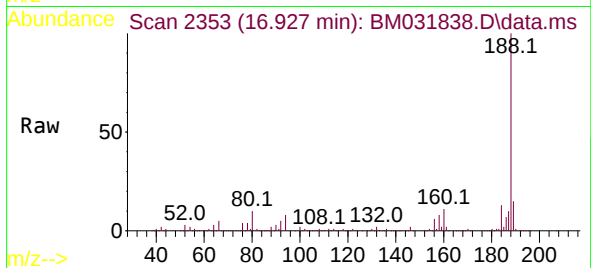




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.927 min Scan# 2353
Delta R.T. -0.006 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

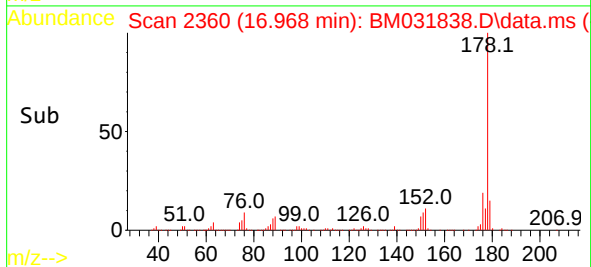
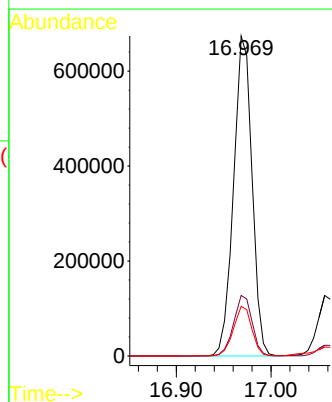
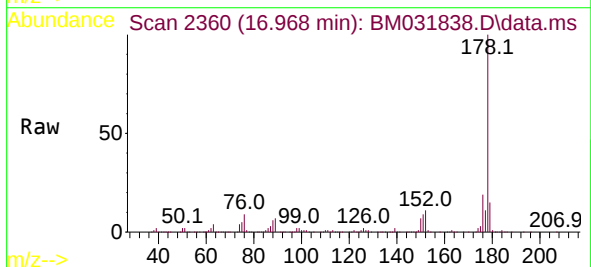
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002

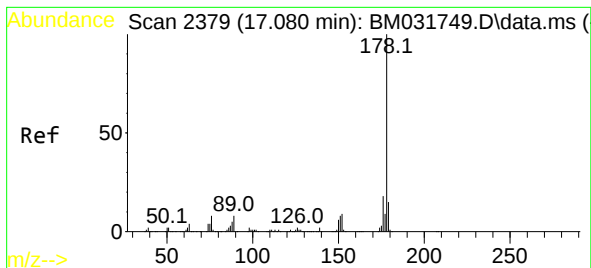
Tgt Ion:188 Resp: 212972
Ion Ratio Lower Upper
188 100
94 8.3 6.0 9.0
80 9.7 6.6 9.8



#71
Phenanthrene
Concen: 70.137 ng
RT: 16.968 min Scan# 2360
Delta R.T. -0.006 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

Tgt Ion:178 Resp: 910997
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.5 12.2 18.4

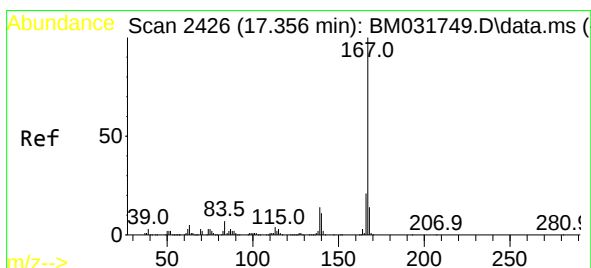
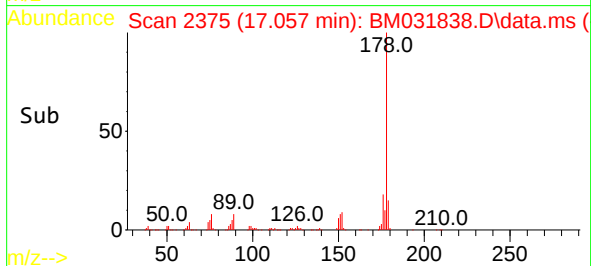
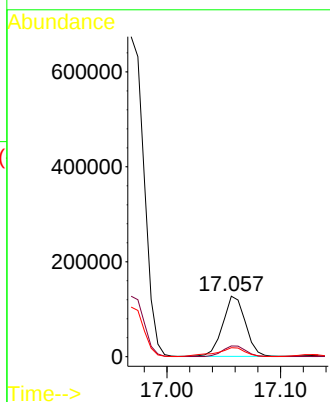
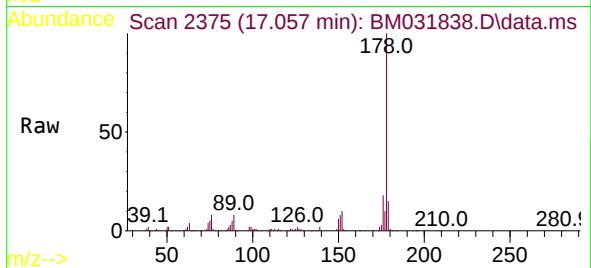




#72
 Anthracene
 Concen: 13.823 ng
 RT: 17.057 min Scan# 2375
 Delta R.T. -0.012 min
 Lab File: BM031838.D
 Acq: 20 Aug 2021 12:46

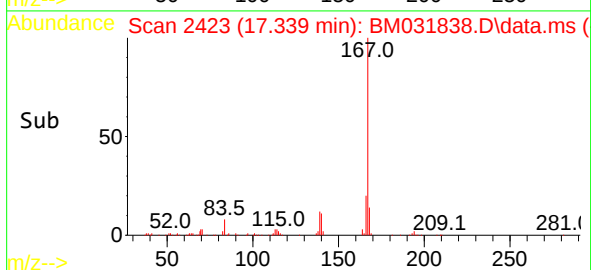
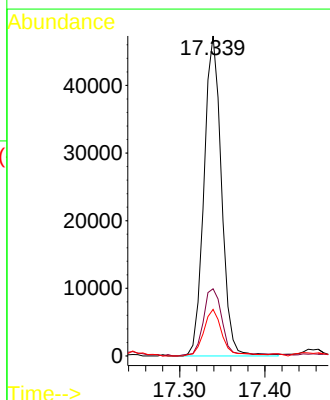
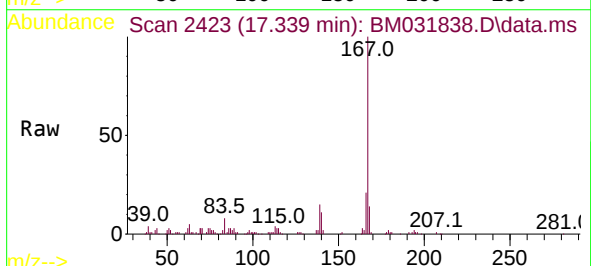
Instrument :
 BNA_M
 ClientSampleId :
 SWCS-06-0002

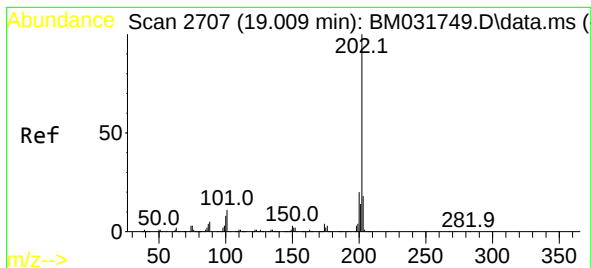
Tgt Ion:178 Resp: 176014
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.0 22.4
 179 14.8 12.5 18.7



#73
 Carbazole
 Concen: 5.279 ng
 RT: 17.339 min Scan# 2423
 Delta R.T. -0.006 min
 Lab File: BM031838.D
 Acq: 20 Aug 2021 12:46

Tgt Ion:167 Resp: 67341
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.4 26.0
 139 14.5 9.8 14.6

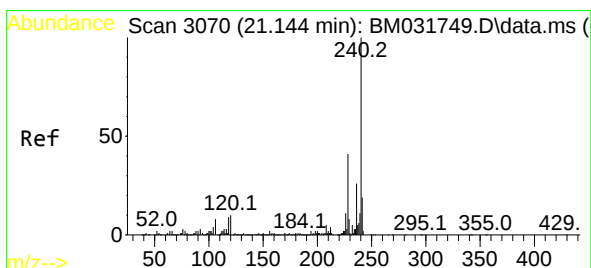
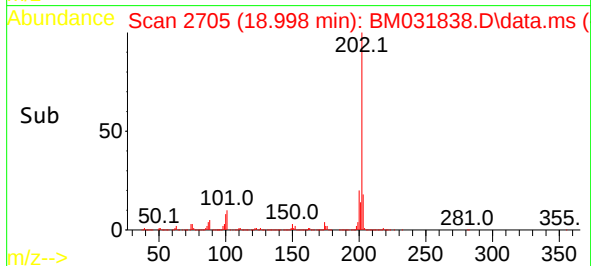
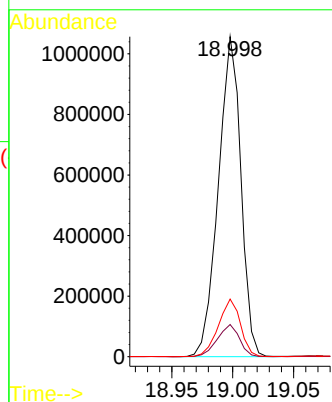
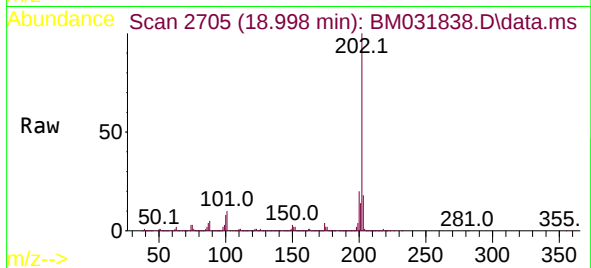




#75
Fluoranthene
Concen: 87.517 ng
RT: 18.998 min Scan# 2705
Delta R.T. 0.000 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

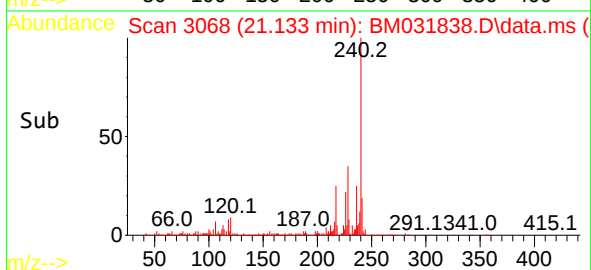
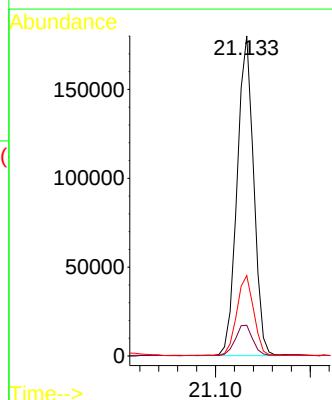
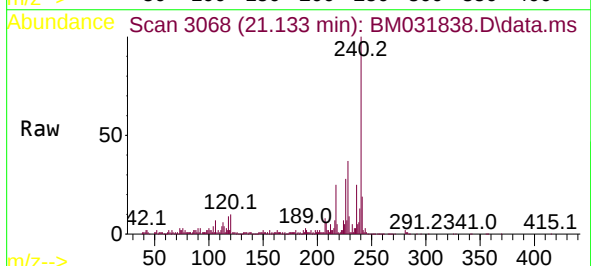
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002

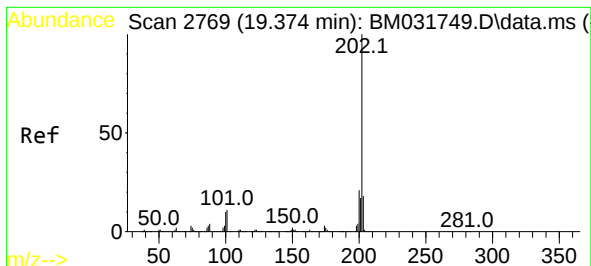
Tgt Ion:202 Resp: 1361578
Ion Ratio Lower Upper
202 100
101 10.1 0.0 28.6
203 18.0 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.133 min Scan# 3068
Delta R.T. 0.000 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

Tgt Ion:240 Resp: 217968
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.6
236 25.1 21.0 31.4





#78

Pyrene

Concen: 74.367 ng

RT: 19.362 min Scan# 2767

Delta R.T. 0.000 min

Lab File: BM031838.D

Acq: 20 Aug 2021 12:46

Tgt Ion:202 Resp: 1174291

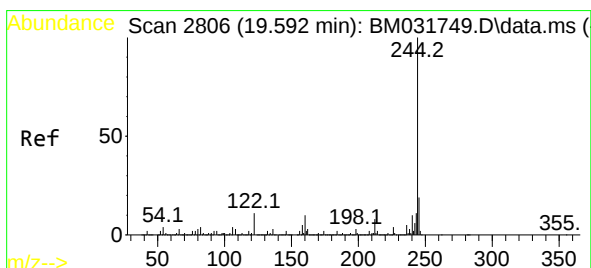
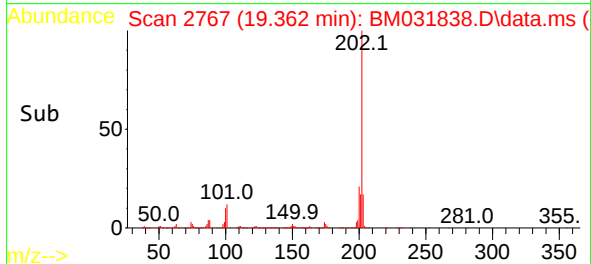
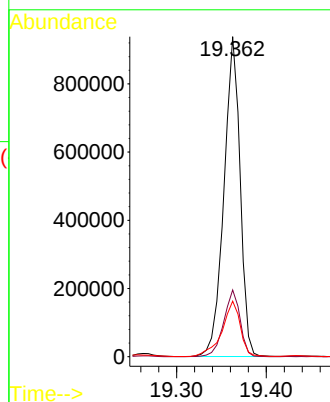
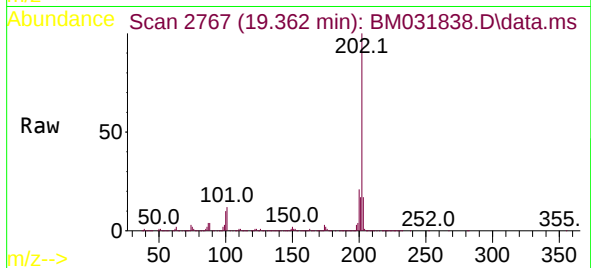
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.3	25.9
203	17.3	13.9	20.9

Instrument :

BNA_M

ClientSampleId :

SWCS-06-0002



#79

Terphenyl-d14

Concen: 24.280 ng

RT: 19.574 min Scan# 2803

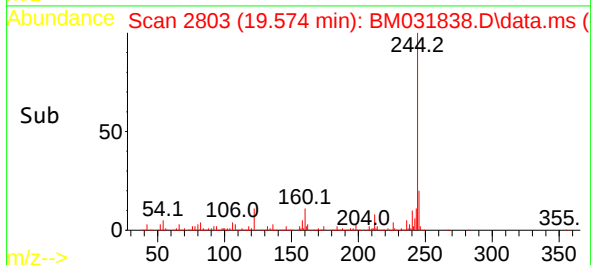
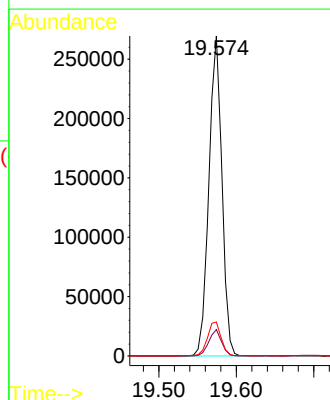
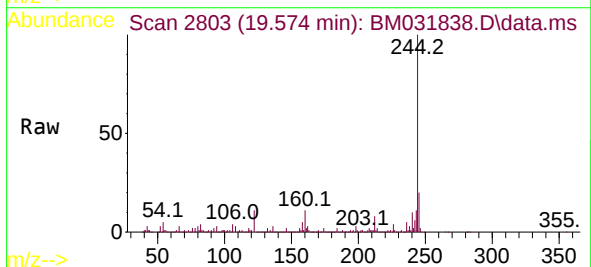
Delta R.T. -0.006 min

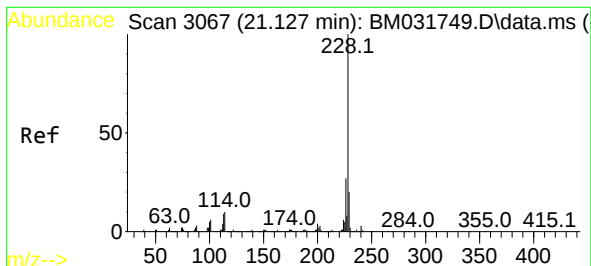
Lab File: BM031838.D

Acq: 20 Aug 2021 12:46

Tgt Ion:244 Resp: 314100

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.3	9.5
122	10.6	6.9	10.3





#81

Benzo(a)anthracene

Concen: 33.738 ng

RT: 21.115 min Scan# 3065

Delta R.T. -0.006 min

Lab File: BM031838.D

Acq: 20 Aug 2021 12:46

Tgt Ion:228 Resp: 538643

Ion Ratio Lower Upper

228 100

226 33.1 22.3 33.5

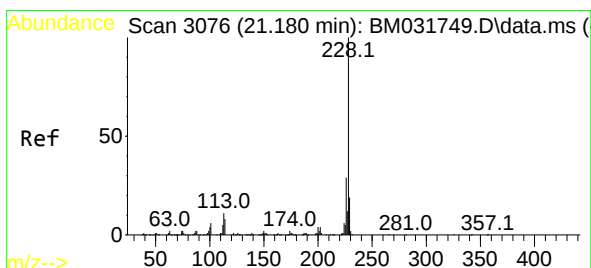
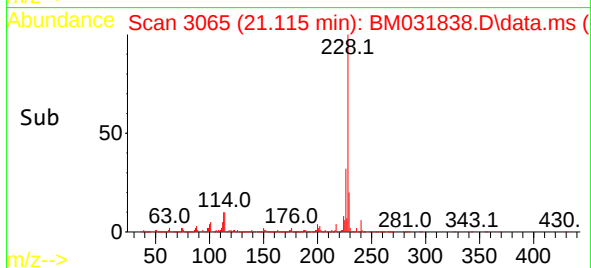
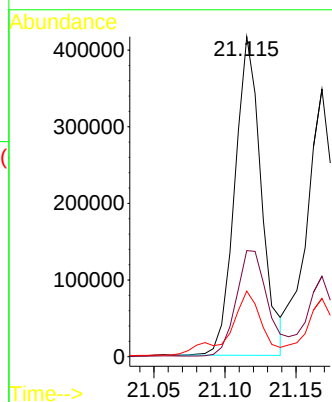
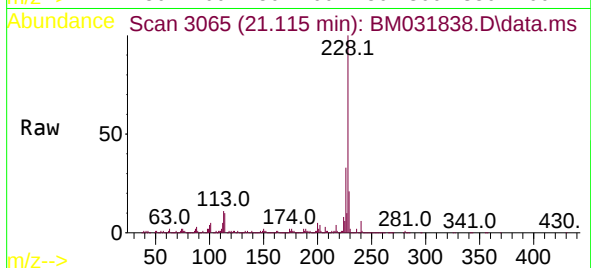
229 20.5 15.7 23.5

Instrument :

BNA_M

ClientSampleId :

SWCS-06-0002



#83

Chrysene

Concen: 28.999 ng

RT: 21.168 min Scan# 3074

Delta R.T. -0.006 min

Lab File: BM031838.D

Acq: 20 Aug 2021 12:46

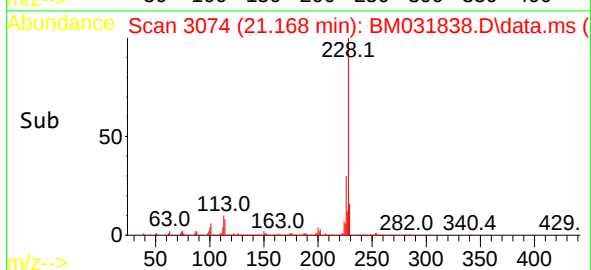
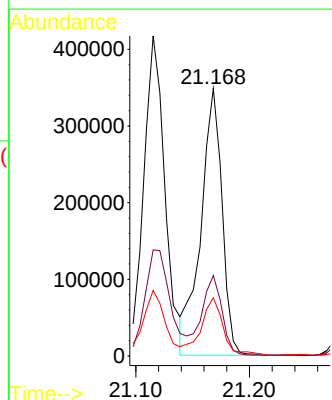
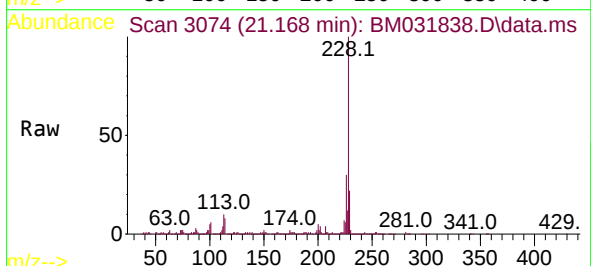
Tgt Ion:228 Resp: 451295

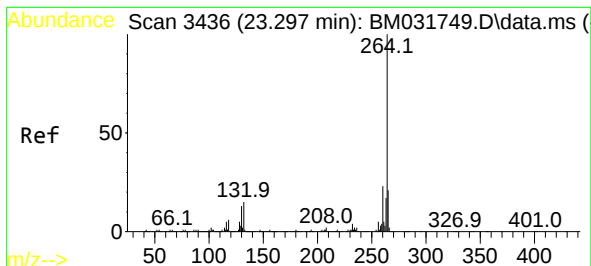
Ion Ratio Lower Upper

228 100

226 30.1 24.6 36.8

229 21.8 15.5 23.3

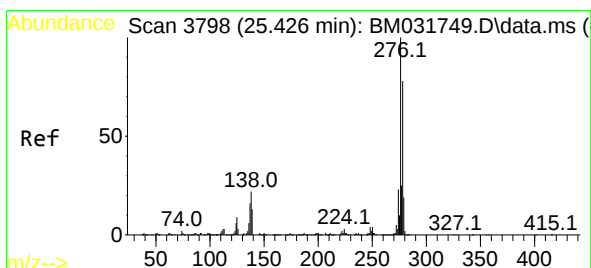
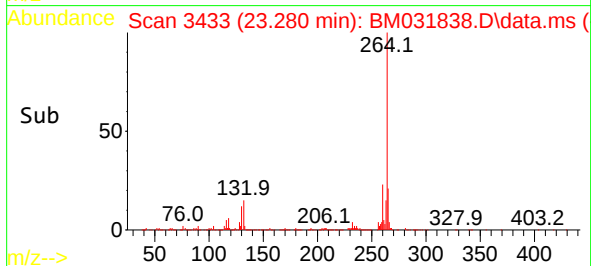
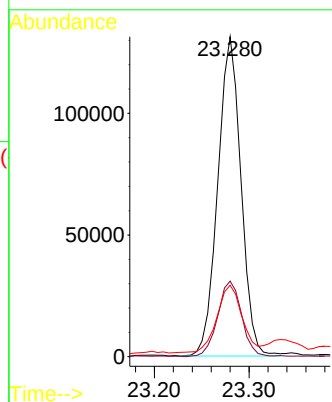
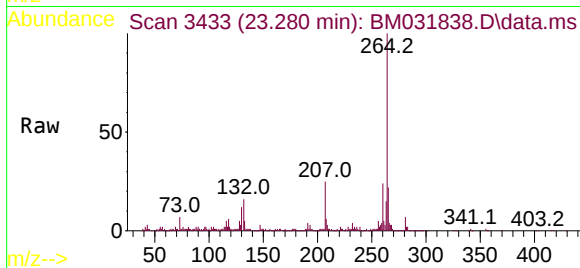




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.280 min Scan# 3433
 Delta R.T. 0.000 min
 Lab File: BM031838.D
 Acq: 20 Aug 2021 12:46

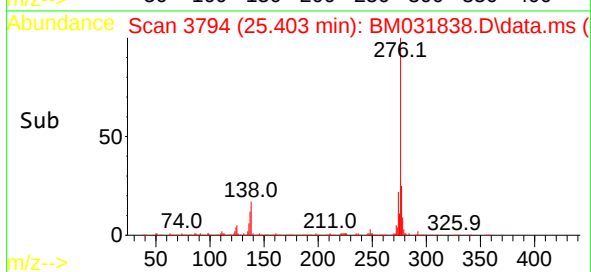
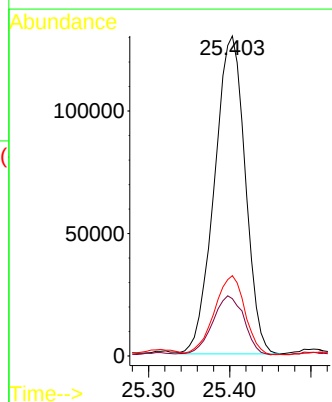
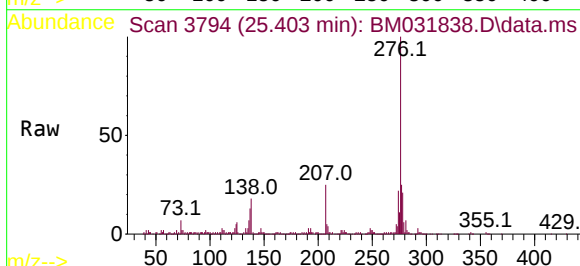
Instrument :
 BNA_M
 ClientSampleId :
 SWCS-06-0002

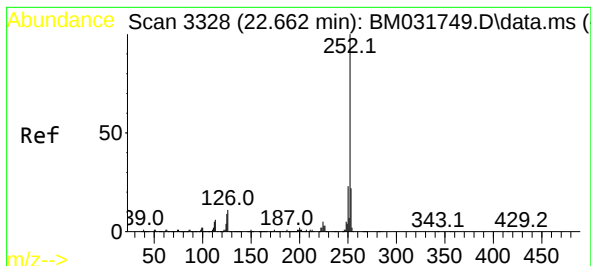
Tgt Ion:264 Resp: 223456
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.8 29.8
 265 22.3 17.7 26.5



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 21.713 ng
 RT: 25.403 min Scan# 3794
 Delta R.T. -0.006 min
 Lab File: BM031838.D
 Acq: 20 Aug 2021 12:46

Tgt Ion:276 Resp: 341916
 Ion Ratio Lower Upper
 276 100
 138 19.0 17.1 25.7
 277 24.8 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 51.073 ng

RT: 22.650 min Scan# 3326

Delta R.T. 0.006 min

Lab File: BM031838.D

Acq: 20 Aug 2021 12:46

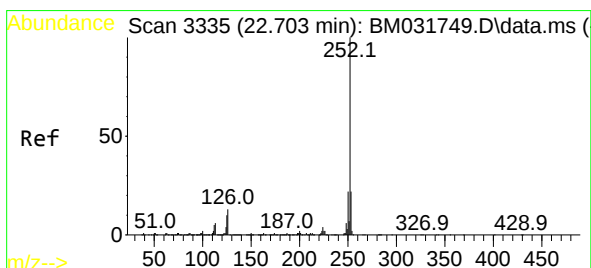
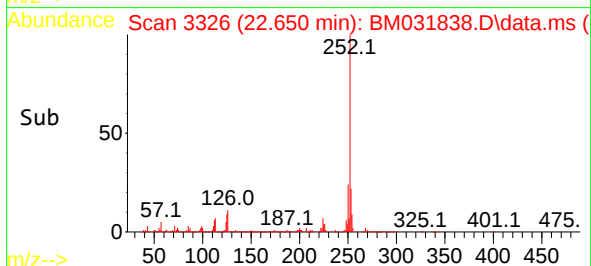
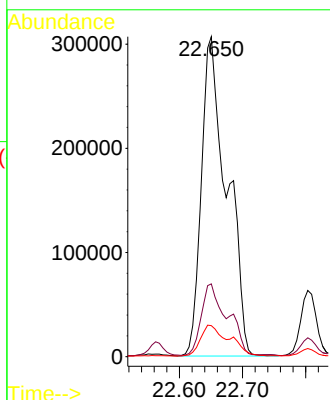
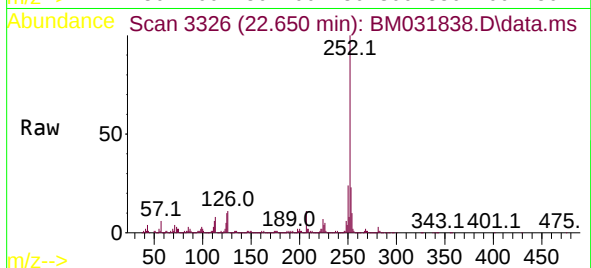
Instrument :

BNA_M

ClientSampleId :

SWCS-06-0002

Tgt Ion:	252	Resp:	856872
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.0
125	9.7	6.8	10.2



#89

Benzo(k)fluoranthene

Concen: 52.915 ng

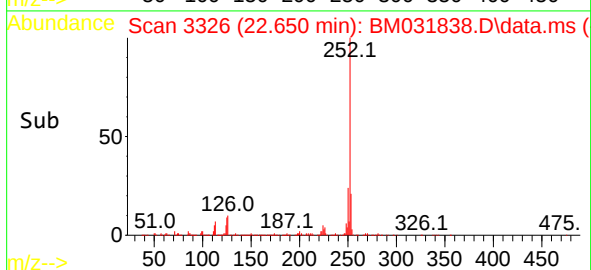
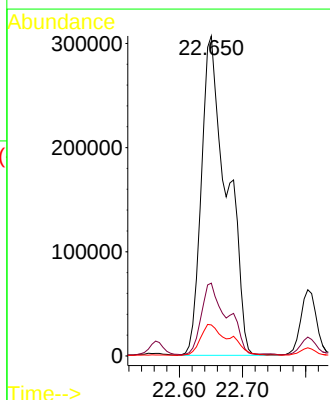
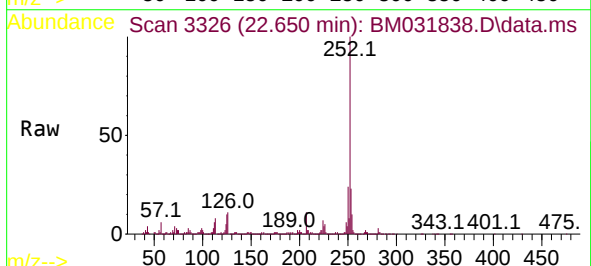
RT: 22.650 min Scan# 3326

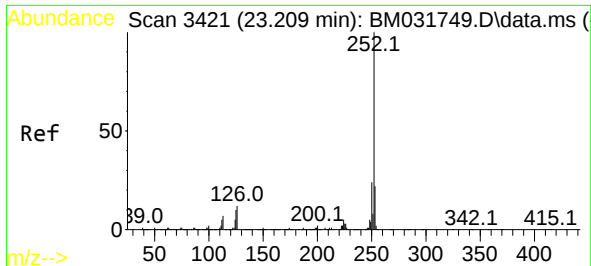
Delta R.T. -0.041 min

Lab File: BM031838.D

Acq: 20 Aug 2021 12:46

Tgt Ion:	252	Resp:	856872
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.2
125	9.7	6.2	9.2#

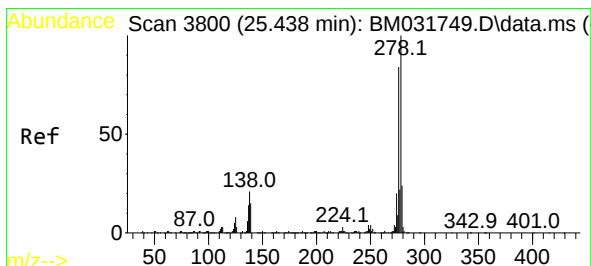
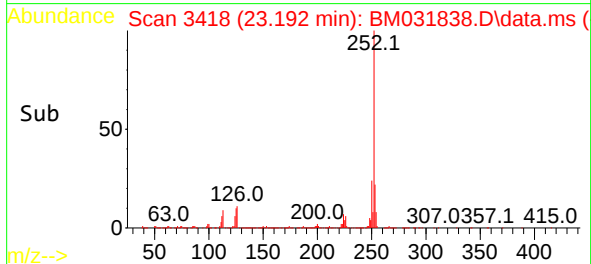
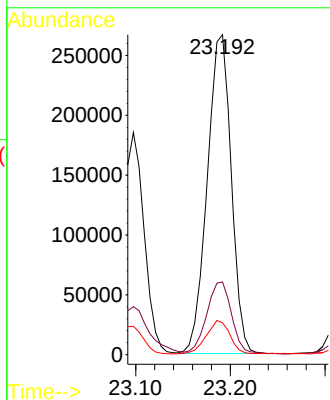
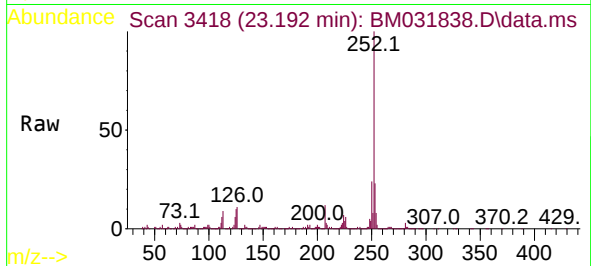




#90
Benzo(a)pyrene
Concen: 31.641 ng
RT: 23.192 min Scan# 3418
Delta R.T. 0.000 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

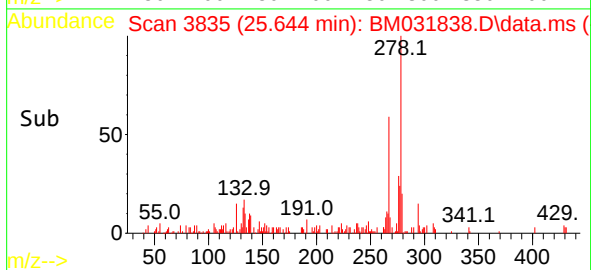
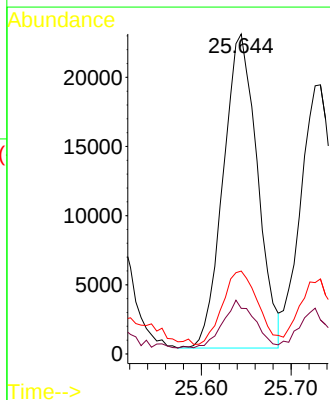
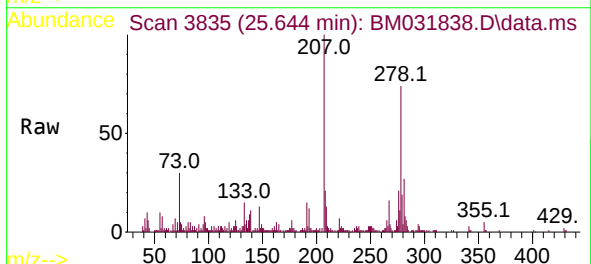
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002

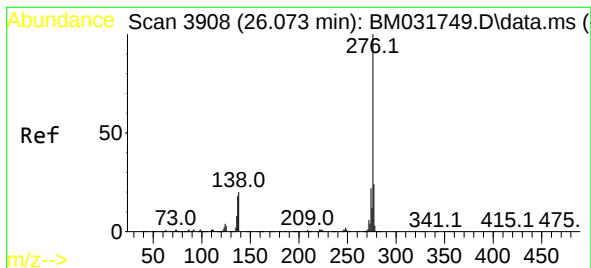
Tgt Ion:252 Resp: 470010
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 10.0 7.3 10.9



#91
Dibenzo(a,h)anthracene
Concen: 4.335 ng
RT: 25.644 min Scan# 3835
Delta R.T. 0.224 min
Lab File: BM031838.D
Acq: 20 Aug 2021 12:46

Tgt Ion:278 Resp: 60040
Ion Ratio Lower Upper
278 100
139 14.3 11.0 16.4
279 25.9 18.7 28.1





#92

Benzo(g,h,i)perylene

Concen: 26.315 ng

RT: 26.050 min Scan# 3904

Delta R.T. 0.000 min

Lab File: BM031838.D

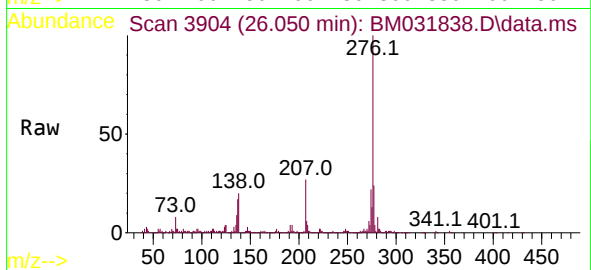
Acq: 20 Aug 2021 12:46

Instrument :

BNA_M

ClientSampleId :

SWCS-06-0002



Tgt Ion:276 Resp: 331869

Ion	Ratio	Lower	Upper
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276	100		
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277	24.3	19.4	29.2
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138	19.9	14.4	21.6
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