

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082021\
 Data File : BM031843.D
 Acq On : 20 Aug 2021 15:52
 Operator : CG/JU
 Sample : M3397-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-07-0205

Quant Time: Aug 20 16:40:38 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)

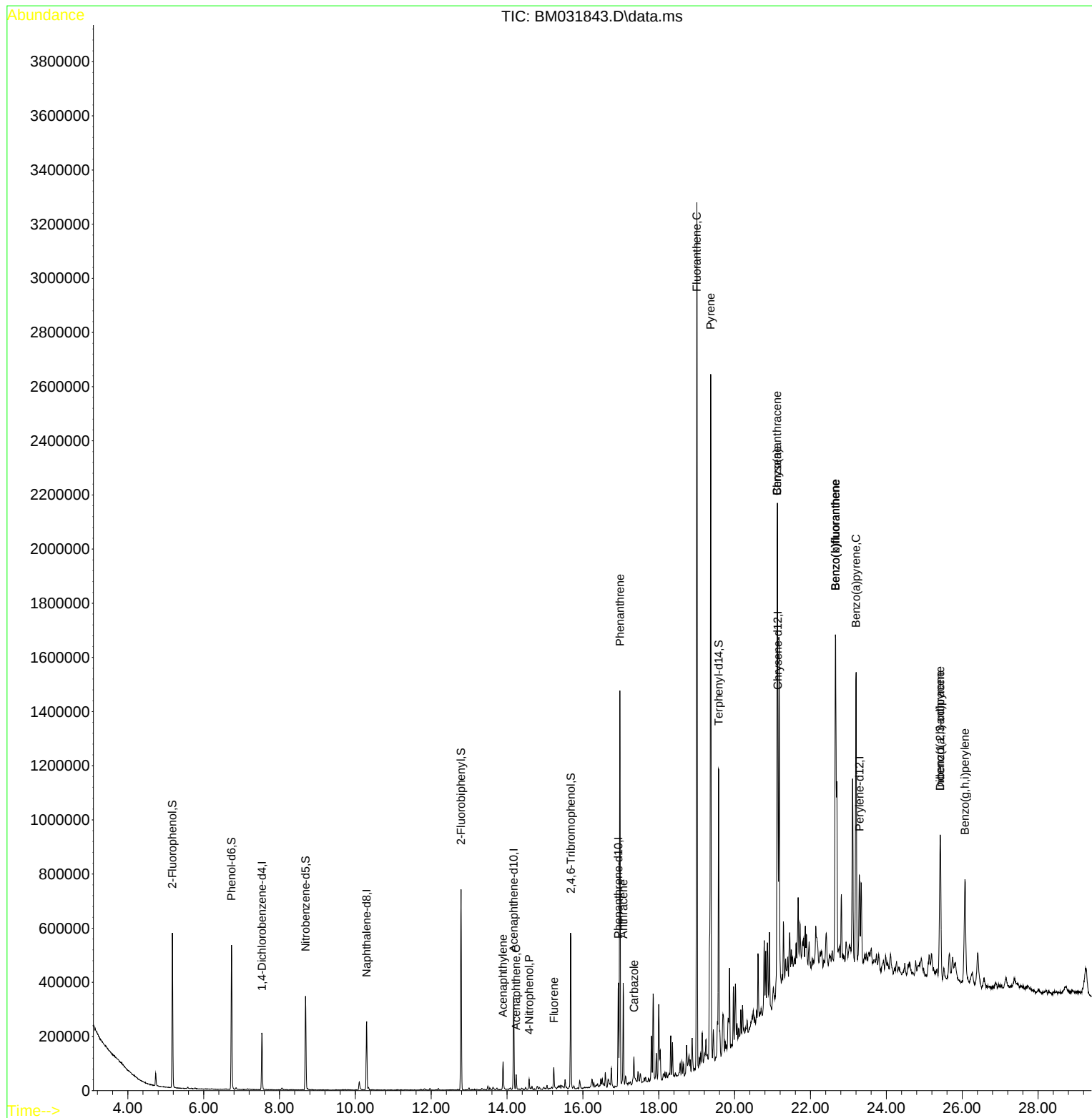
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.540	152	48654	20.000	ng	0.00
21) Naphthalene-d8	10.298	136	185790	20.000	ng	# 0.00
39) Acenaphthene-d10	14.174	164	104903	20.000	ng	0.00
64) Phenanthrene-d10	16.933	188	202799	20.000	ng	0.00
76) Chrysene-d12	21.139	240	195692	20.000	ng	0.00
86) Perylene-d12	23.292	264	194312	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	200923	66.280	ng	0.00
7) Phenol-d6	6.734	99	248383	56.546	ng	0.00
23) Nitrobenzene-d5	8.687	82	183932	41.452	ng	0.00
42) 2,4,6-Tribromophenol	15.680	330	68236	52.813	ng	0.00
45) 2-Fluorobiphenyl	12.786	172	332118	42.139	ng	0.00
79) Terphenyl-d14	19.580	244	418681	36.048	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	13.892	152	74191	6.992	ng	99
52) Acenaphthene	14.239	154	18271	2.827	ng	95
56) 4-Nitrophenol	14.580	139	6716	3.950	ng	# 8
58) Fluorene	15.233	166	32220	3.593	ng	98
71) Phenanthrene	16.974	178	755291	61.066	ng	100
72) Anthracene	17.063	178	198987	16.411	ng	99
73) Carbazole	17.345	167	51941	4.276	ng	98
75) Fluoranthene	19.004	202	1721106	116.175	ng	98
78) Pyrene	19.368	202	1435126	101.232	ng	99
81) Benzo(a)anthracene	21.121	228	775265	54.086	ng	98
83) Chrysene	21.121	228	775265	55.487	ng	97
87) Indeno(1,2,3-cd)pyrene	25.421	276	432684	31.598	ng	97
88) Benzo(b)fluoranthene	22.656	252	1208153	82.811	ng	# 98
89) Benzo(k)fluoranthene	22.656	252	1208153	85.797	ng	# 97
90) Benzo(a)pyrene	23.203	252	639604	49.516	ng	97
91) Dibenzo(a,h)anthracene	25.421	278	111164	9.231	ng	# 86
92) Benzo(g,h,i)perylene	26.074	276	402731	36.723	ng	97

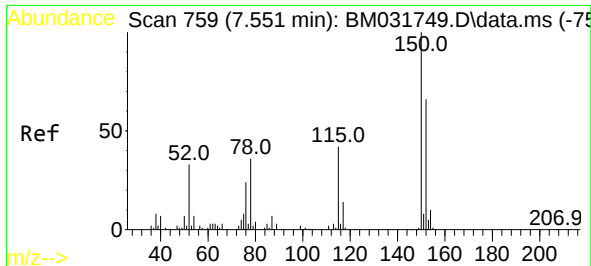
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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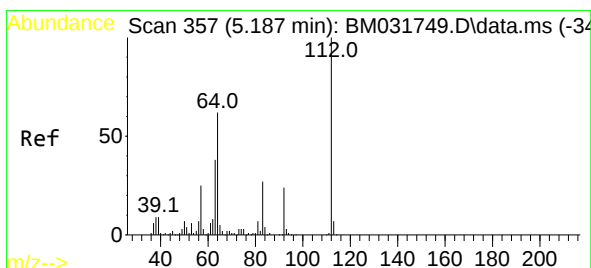
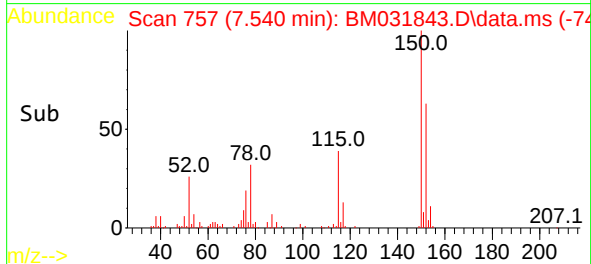
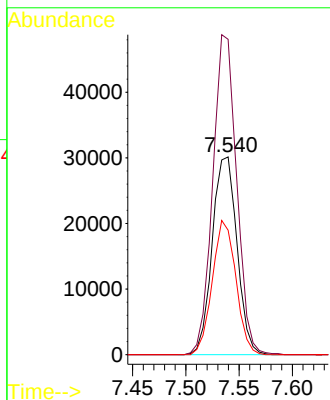
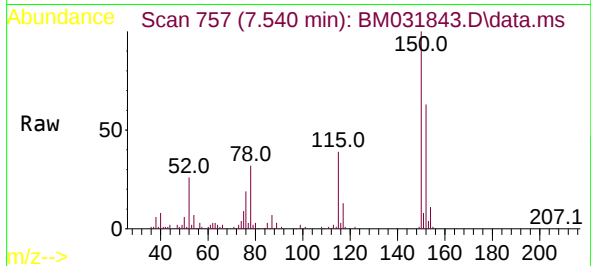




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.540 min Scan# 757
Delta R.T. -0.000 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

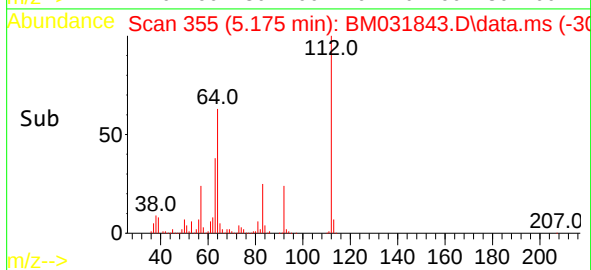
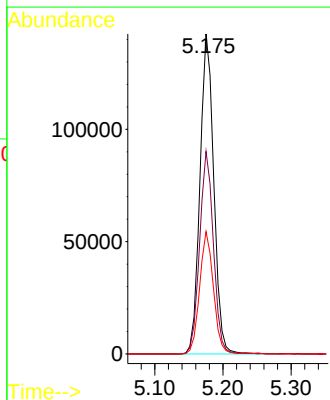
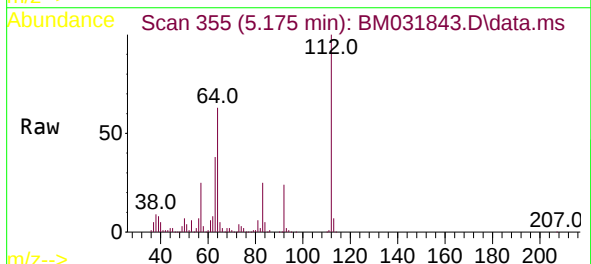
Instrument :
BNA_M
ClientSampleId :
SWCS-07-0205

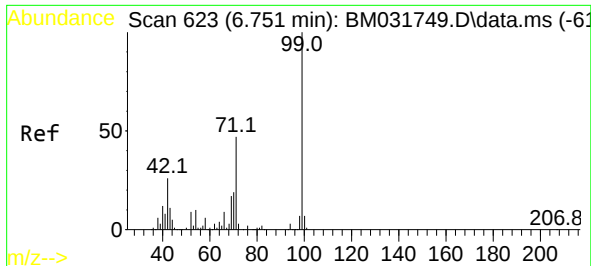
Tgt Ion:152 Resp: 48654
Ion Ratio Lower Upper
152 100
150 159.5 125.9 188.9
115 63.0 44.6 67.0



#5
2-Fluorophenol
Concen: 66.280 ng
RT: 5.175 min Scan# 355
Delta R.T. 0.000 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

Tgt Ion:112 Resp: 200923
Ion Ratio Lower Upper
112 100
64 63.3 47.1 70.7
63 38.2 27.3 40.9

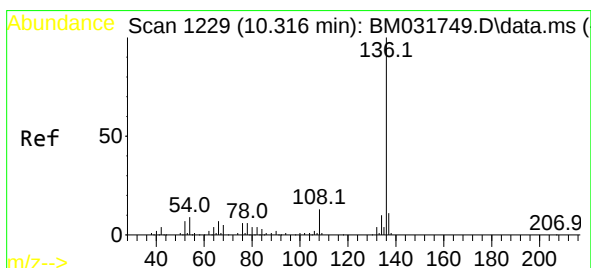
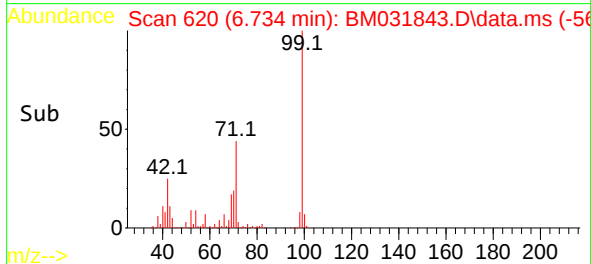
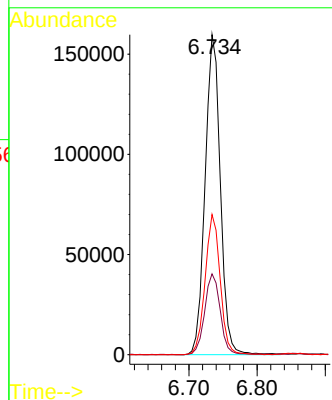
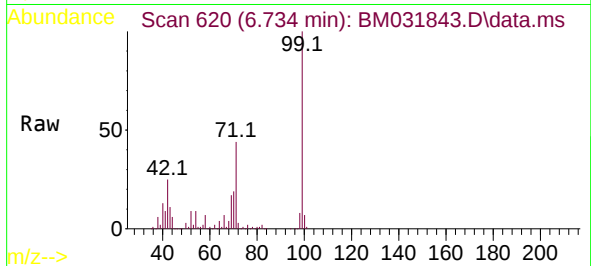




#7
Phenol-d6
Concen: 56.546 ng
RT: 6.734 min Scan# 620
Delta R.T. 0.000 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

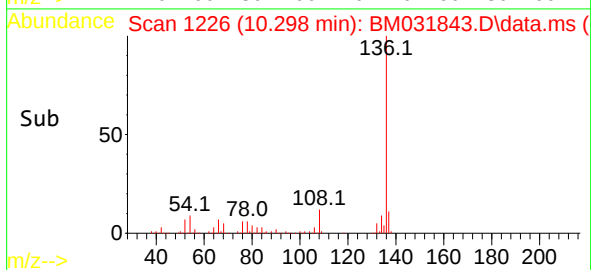
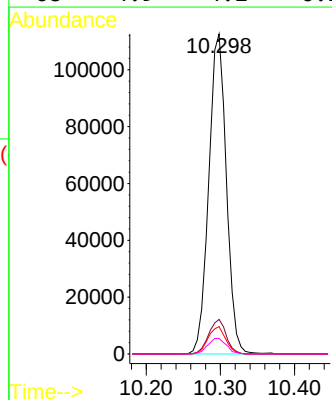
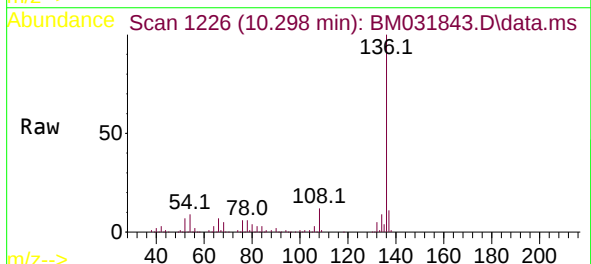
Instrument :
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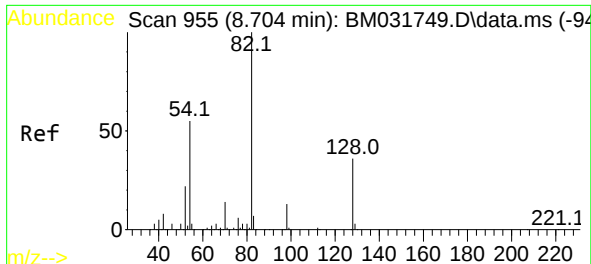
Tgt Ion:	99	Resp:	248383
Ion	Ratio	Lower	Upper
99	100		
42	25.2	18.0	27.0
71	43.8	30.9	46.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.298 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

Tgt Ion:	136	Resp:	185790
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	8.6	5.5	8.3#
68	4.9	4.2	6.2

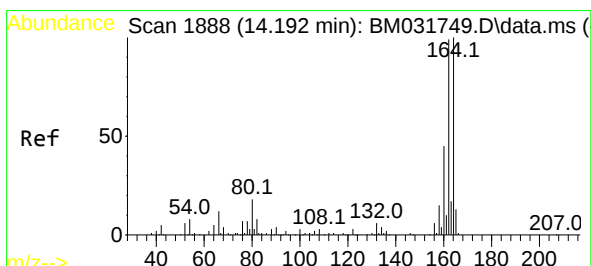
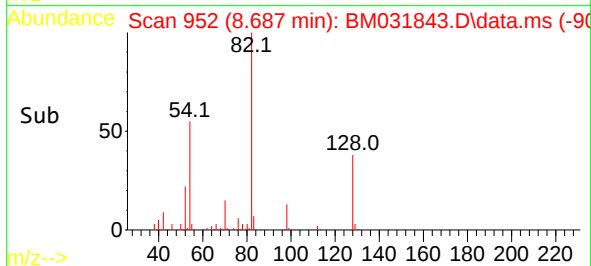
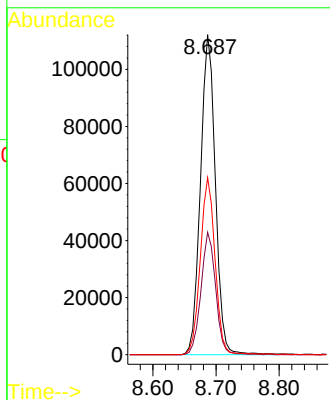
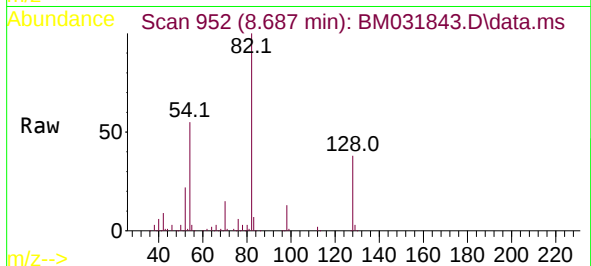




#23
Nitrobenzene-d5
Concen: 41.452 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

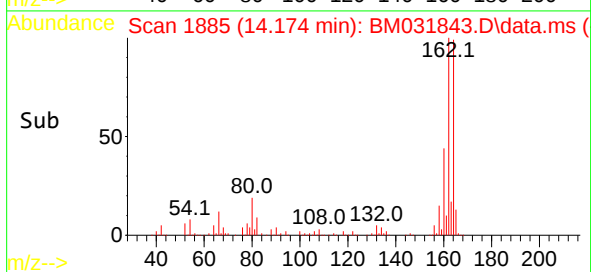
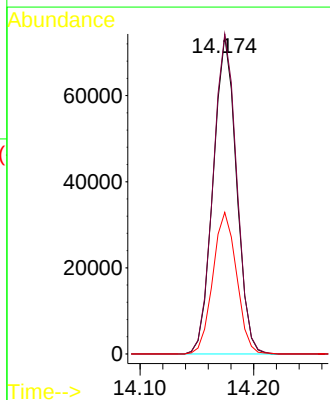
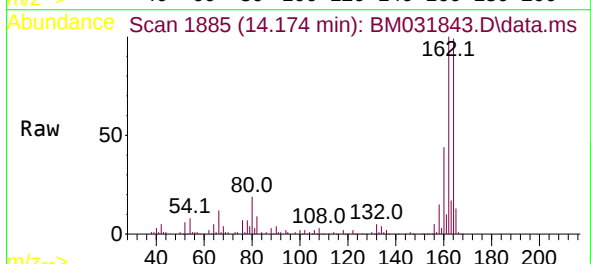
Instrument :
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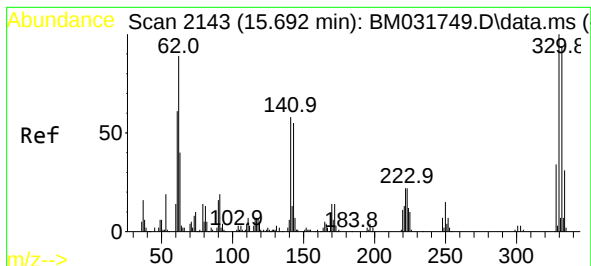
Tgt Ion: 82 Resp: 183932
Ion Ratio Lower Upper
82 100
128 38.3 31.1 46.7
54 55.3 37.3 55.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.174 min Scan# 1885
Delta R.T. -0.006 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

Tgt Ion: 164 Resp: 104903
Ion Ratio Lower Upper
164 100
162 100.8 83.4 125.0
160 44.6 37.2 55.8

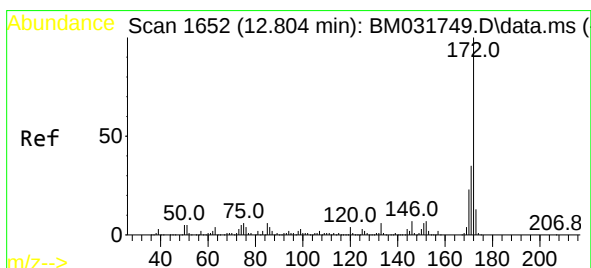
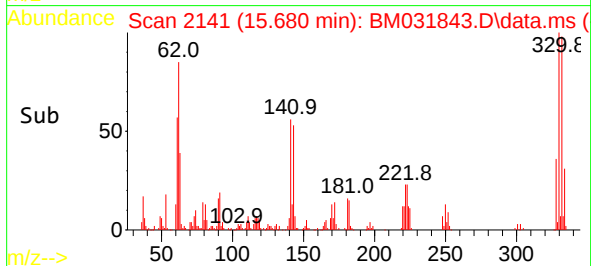
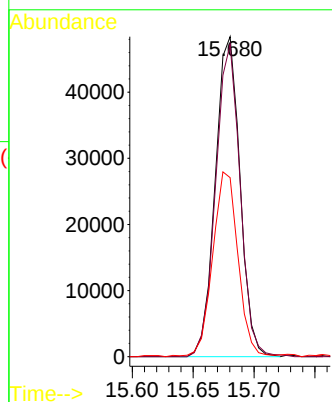
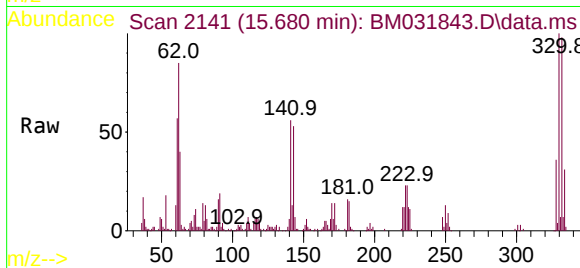




#42
2,4,6-Tribromophenol
Concen: 52.813 ng
RT: 15.680 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

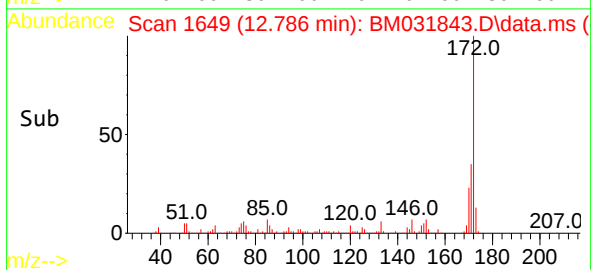
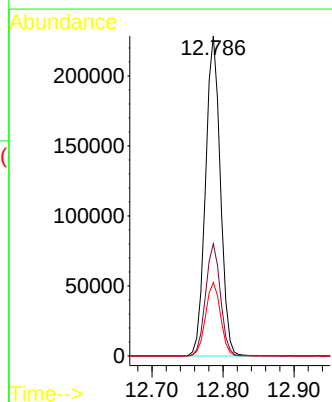
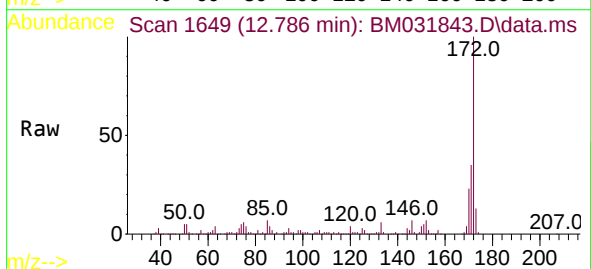
Instrument :
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ClientSampleId :
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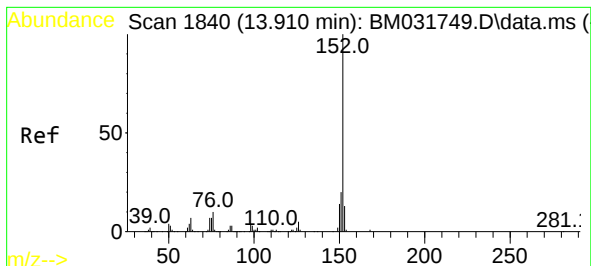
Tgt Ion:330 Resp: 68236
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.4
141 59.2 30.2 45.2#



#45
2-Fluorobiphenyl
Concen: 42.139 ng
RT: 12.786 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

Tgt Ion:172 Resp: 332118
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 22.9 18.4 27.6

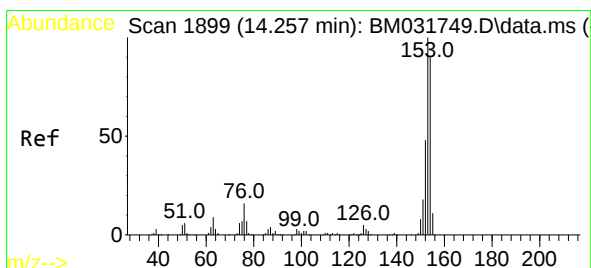
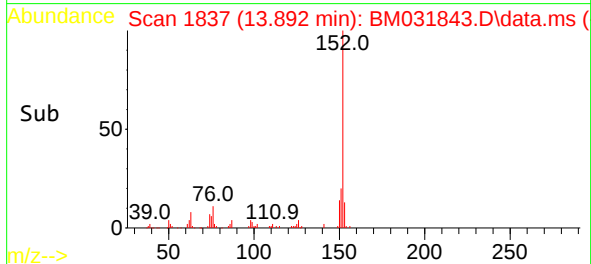
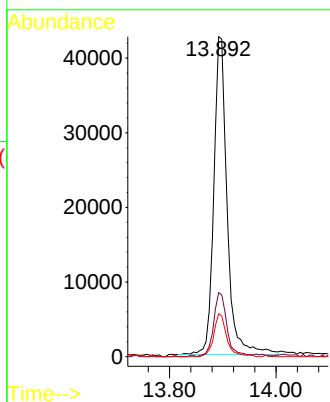
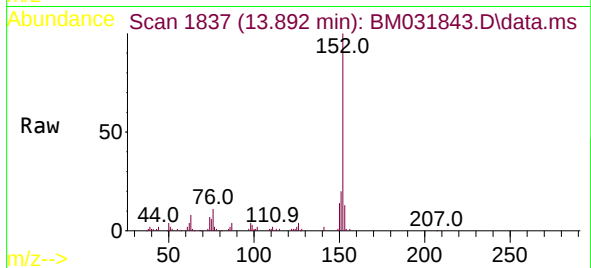




#49
Acenaphthylene
Concen: 6.992 ng
RT: 13.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

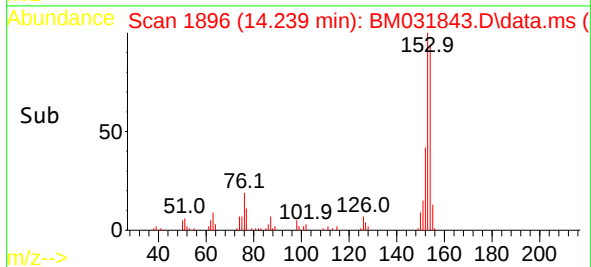
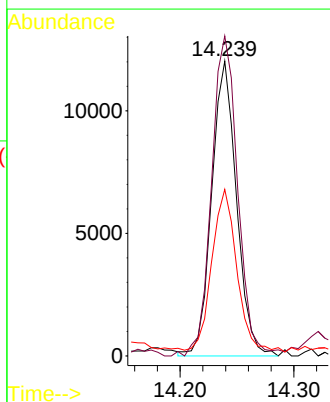
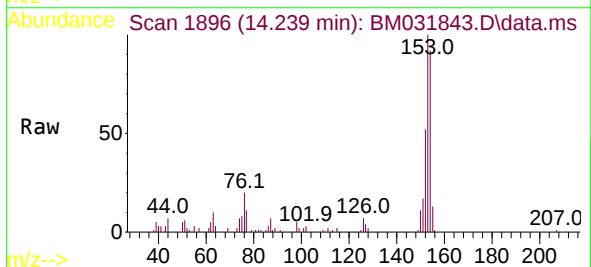
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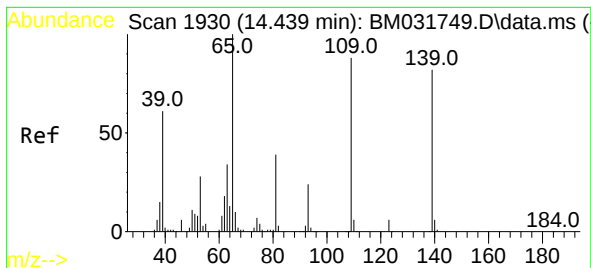
Tgt Ion:152 Resp: 74191
Ion Ratio Lower Upper
152 100
151 20.0 16.3 24.5
153 13.4 10.2 15.4



#52
Acenaphthene
Concen: 2.827 ng
RT: 14.239 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

Tgt Ion:154 Resp: 18271
Ion Ratio Lower Upper
154 100
153 108.5 92.2 138.2
152 56.5 43.4 65.2

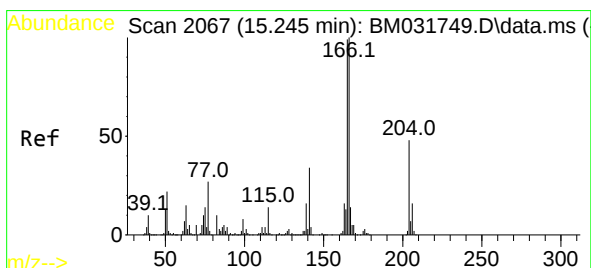
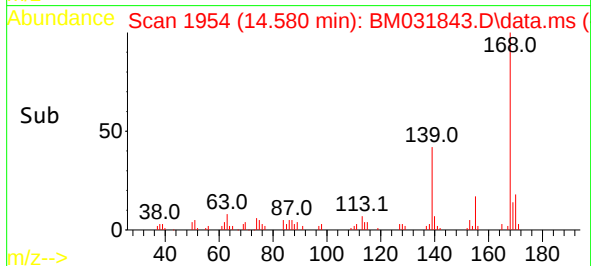
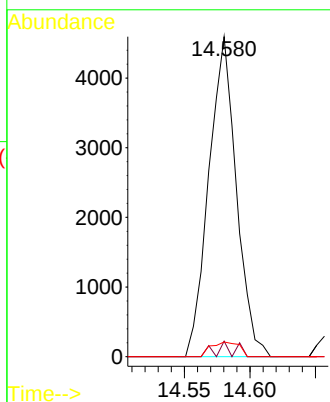
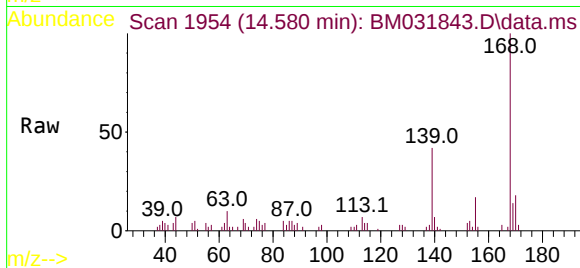




#56
4-Nitrophenol
Concen: 3.950 ng
RT: 14.580 min Scan# 1954
Delta R.T. 0.153 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

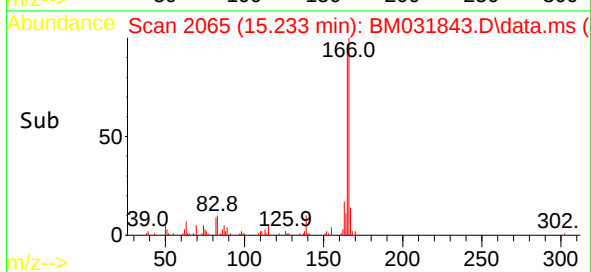
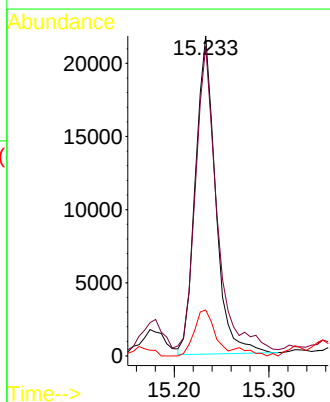
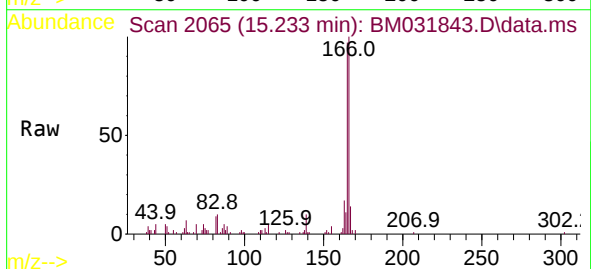
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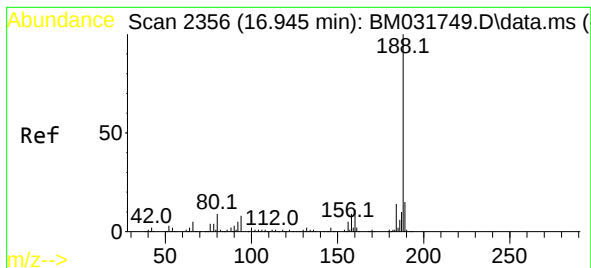
Tgt Ion	Ratio	Lower	Upper
139	100		
109	4.8	64.5	104.5#
65	4.6	78.9	118.9#



#58
Fluorene
Concen: 3.593 ng
RT: 15.233 min Scan# 2065
Delta R.T. 0.000 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	79.0	118.6
167	14.4	10.8	16.2

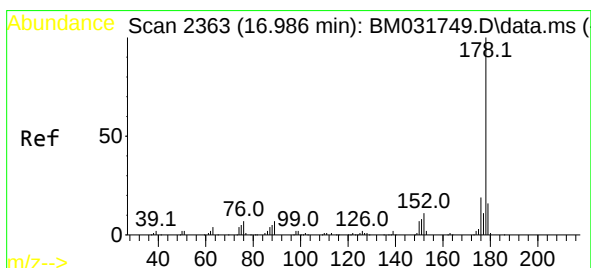
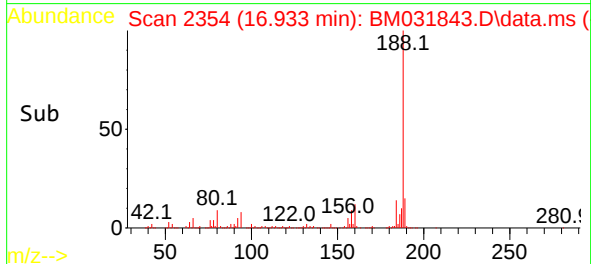
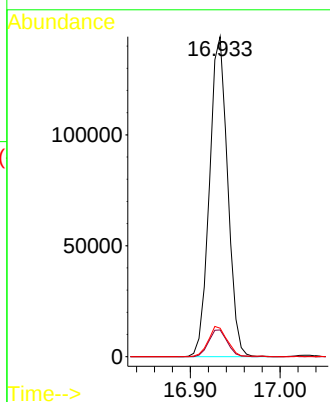
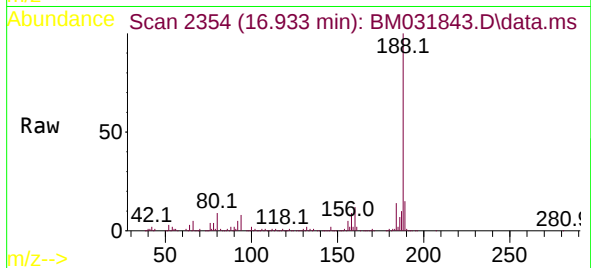




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.933 min Scan# 2354
Delta R.T. 0.000 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

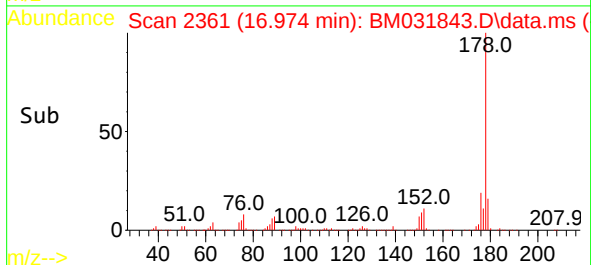
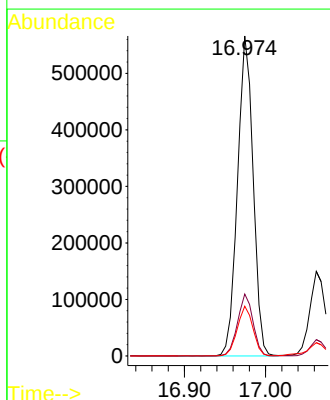
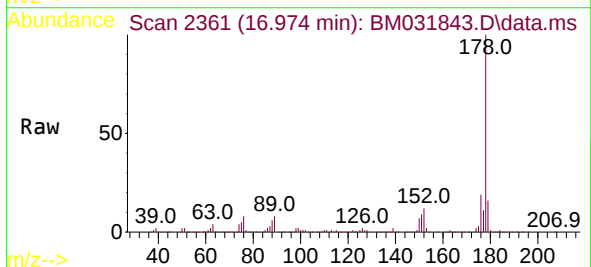
Instrument :
BNA_M
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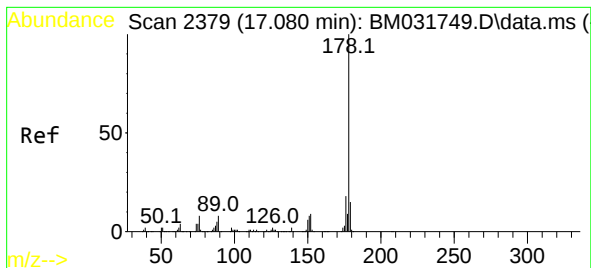
Tgt Ion:188 Resp: 202799
Ion Ratio Lower Upper
188 100
94 8.4 6.0 9.0
80 8.9 6.6 9.8



#71
Phenanthrene
Concen: 61.066 ng
RT: 16.974 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

Tgt Ion:178 Resp: 755291
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.6 12.2 18.4

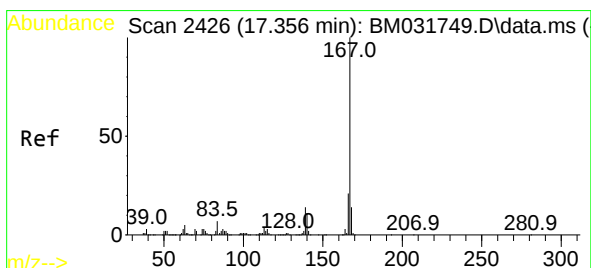
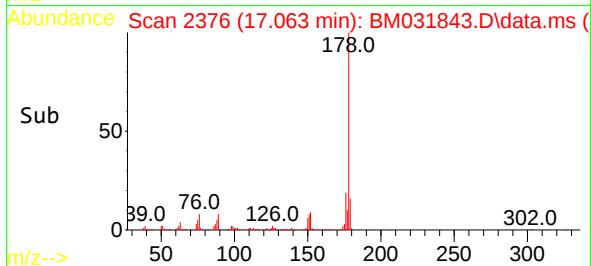
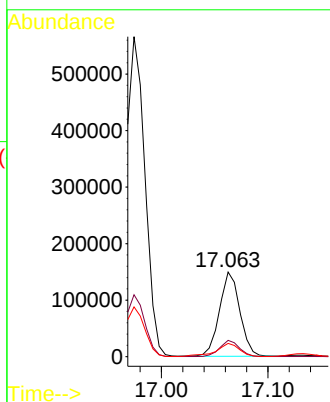
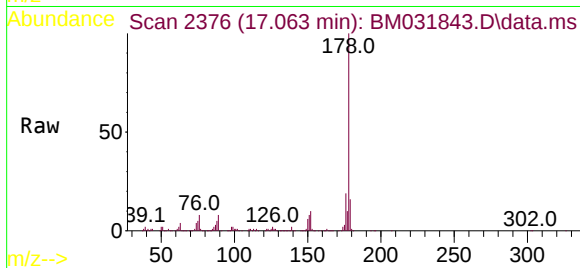




#72
 Anthracene
 Concen: 16.411 ng
 RT: 17.063 min Scan# 2376
 Delta R.T. -0.006 min
 Lab File: BM031843.D
 Acq: 20 Aug 2021 15:52

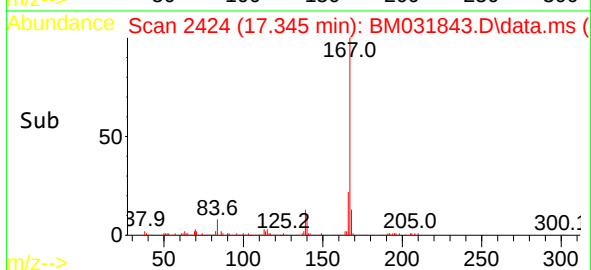
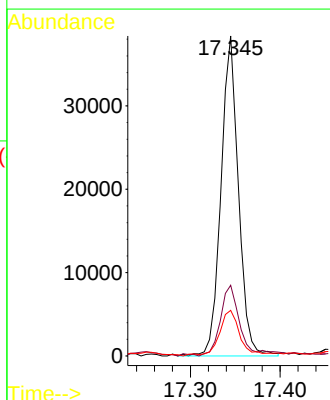
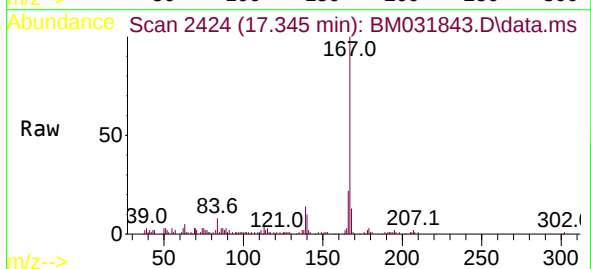
Instrument :
 BNA_M
 ClientSampleId :
 SWCS-07-0205

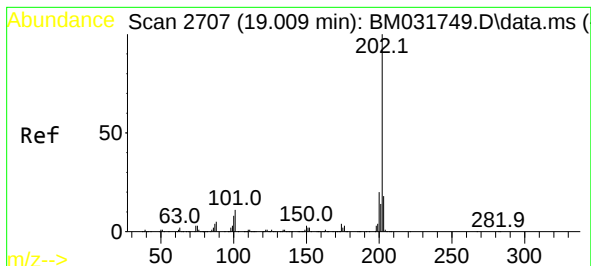
Tgt Ion:178 Resp: 198987
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.0 22.4
 179 15.6 12.5 18.7



#73
 Carbazole
 Concen: 4.276 ng
 RT: 17.345 min Scan# 2424
 Delta R.T. 0.000 min
 Lab File: BM031843.D
 Acq: 20 Aug 2021 15:52

Tgt Ion:167 Resp: 51941
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.0
 139 14.3 9.8 14.6

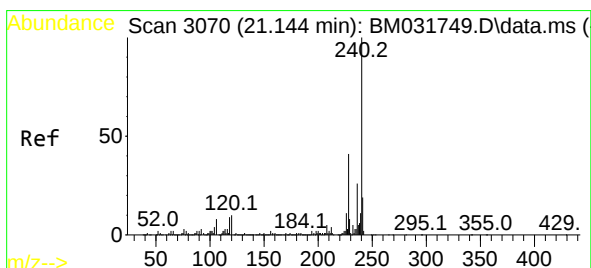
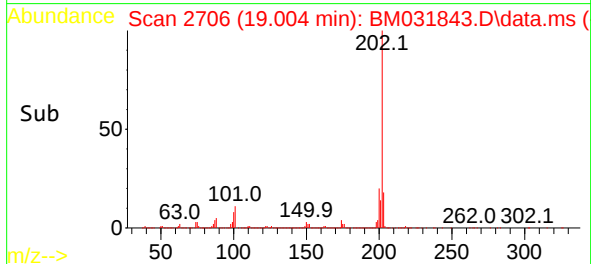
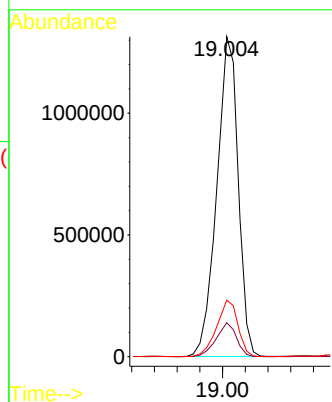
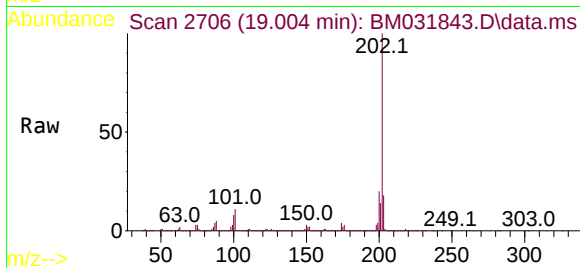




#75
Fluoranthene
Concen: 116.175 ng
RT: 19.004 min Scan# 2706
Delta R.T. 0.006 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

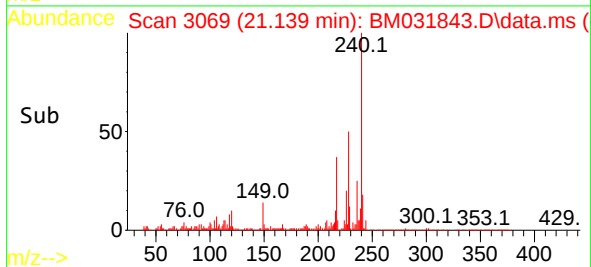
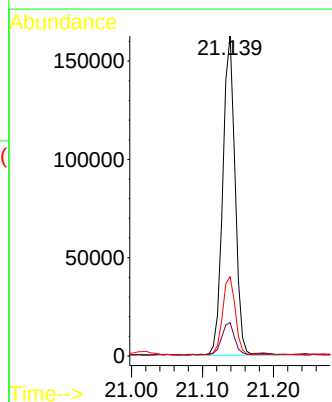
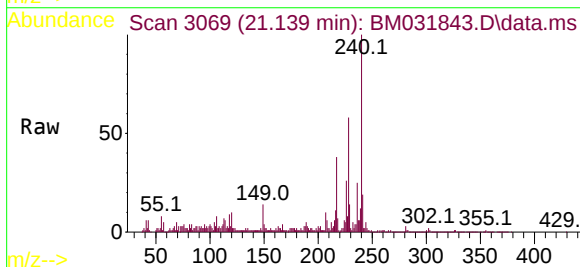
Instrument :
BNA_M
ClientSampleId :
SWCS-07-0205

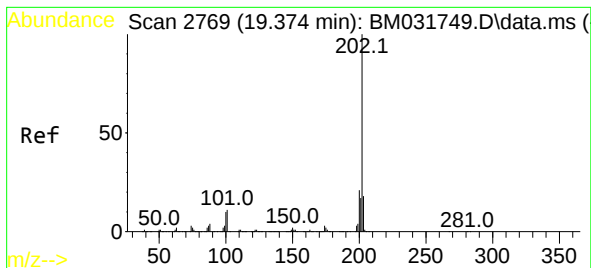
Tgt Ion:202 Resp: 1721106
Ion Ratio Lower Upper
202 100
101 10.6 0.0 28.6
203 17.7 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.139 min Scan# 3069
Delta R.T. 0.006 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

Tgt Ion:240 Resp: 195692
Ion Ratio Lower Upper
240 100
120 10.5 7.0 10.6
236 24.8 21.0 31.4





#78

Pyrene

Concen: 101.232 ng

RT: 19.368 min Scan# 2768

Delta R.T. 0.006 min

Lab File: BM031843.D

Acq: 20 Aug 2021 15:52

Tgt Ion:202 Resp: 1435126

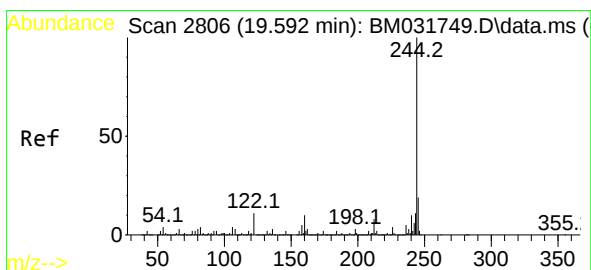
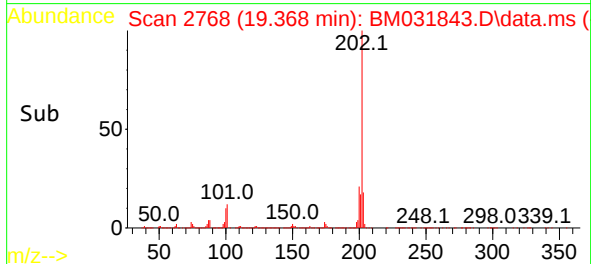
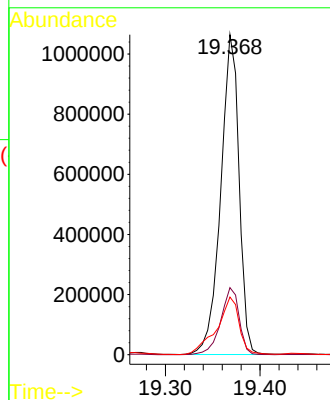
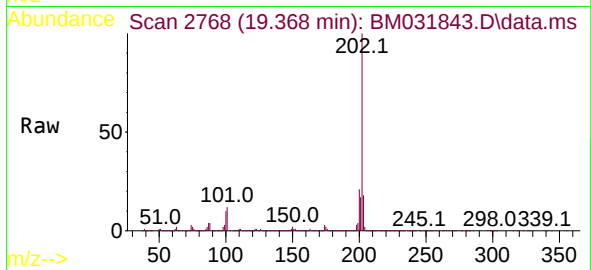
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.3	25.9
203	18.0	13.9	20.9

Instrument :

BNA_M

ClientSampleId :

SWCS-07-0205



#79

Terphenyl-d14

Concen: 36.048 ng

RT: 19.580 min Scan# 2804

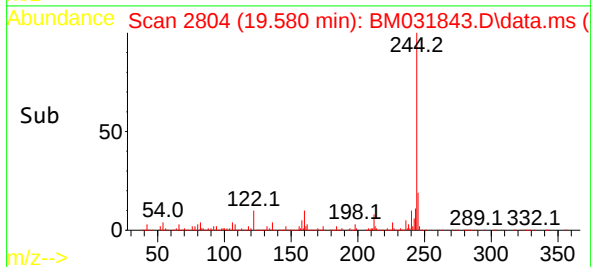
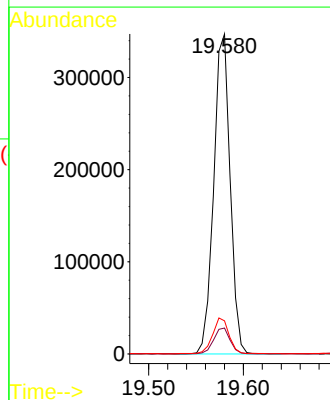
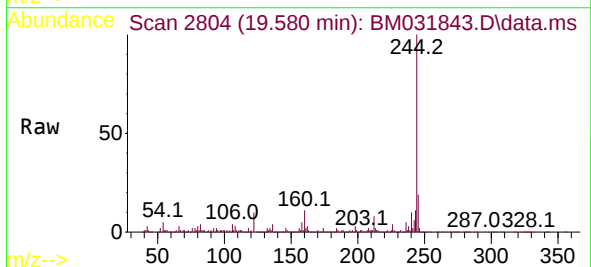
Delta R.T. 0.000 min

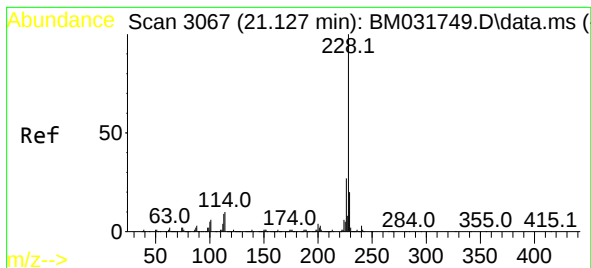
Lab File: BM031843.D

Acq: 20 Aug 2021 15:52

Tgt Ion:244 Resp: 418681

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.3	9.5
122	10.4	6.9	10.3





#81

Benzo(a)anthracene

Concen: 54.086 ng

RT: 21.121 min Scan# 3066

Delta R.T. 0.000 min

Lab File: BM031843.D

Acq: 20 Aug 2021 15:52

Tgt Ion:228 Resp: 775265

Ion Ratio Lower Upper

228 100

226 29.1 22.3 33.5

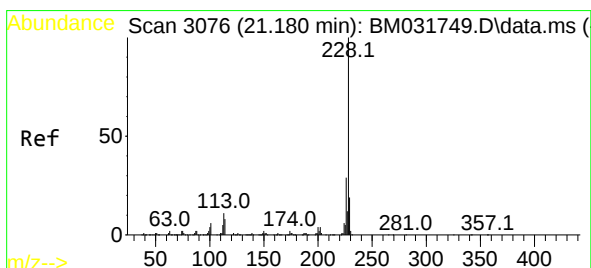
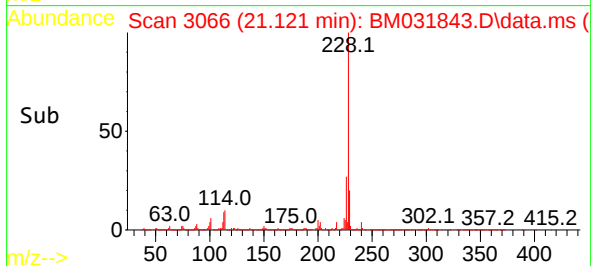
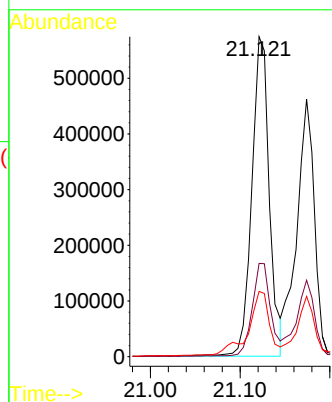
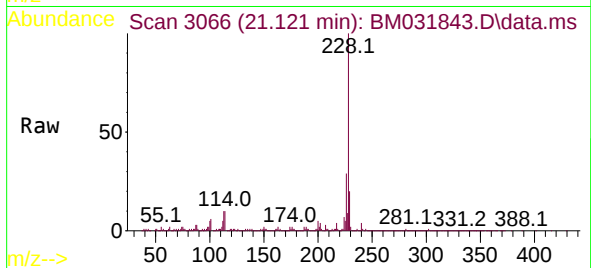
229 20.4 15.7 23.5

Instrument :

BNA_M

ClientSampleId :

SWCS-07-0205



#83

Chrysene

Concen: 55.487 ng

RT: 21.121 min Scan# 3066

Delta R.T. -0.053 min

Lab File: BM031843.D

Acq: 20 Aug 2021 15:52

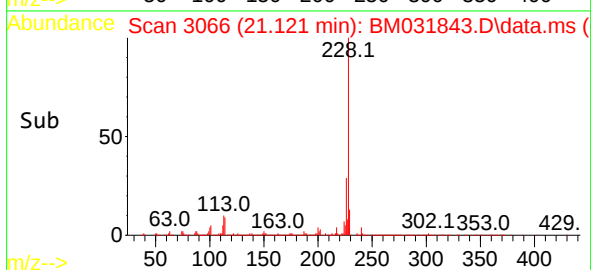
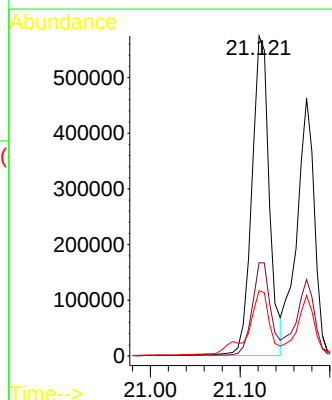
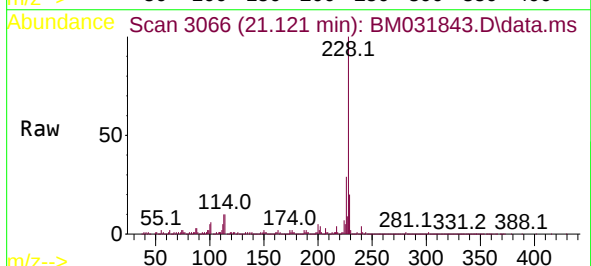
Tgt Ion:228 Resp: 775265

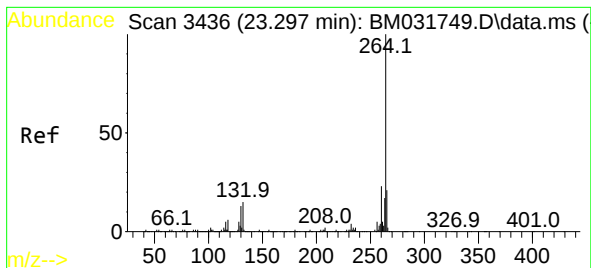
Ion Ratio Lower Upper

228 100

226 29.1 24.6 36.8

229 20.4 15.5 23.3

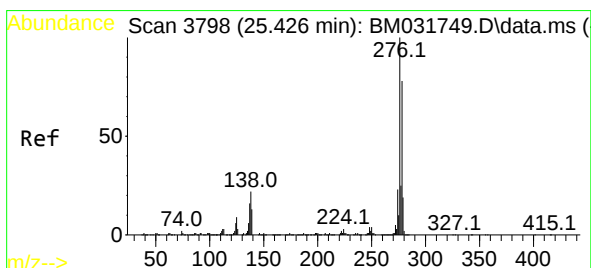
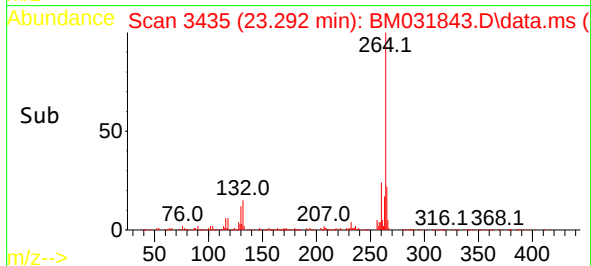
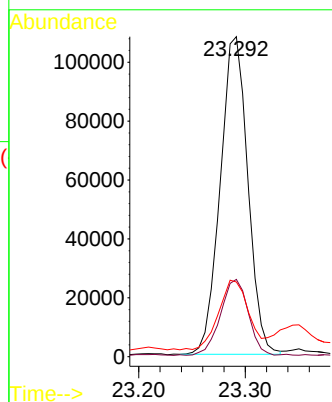
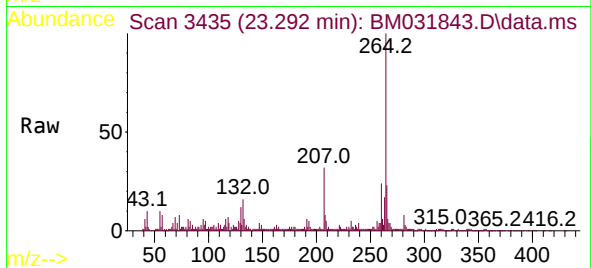




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.292 min Scan# 3435
 Delta R.T. 0.012 min
 Lab File: BM031843.D
 Acq: 20 Aug 2021 15:52

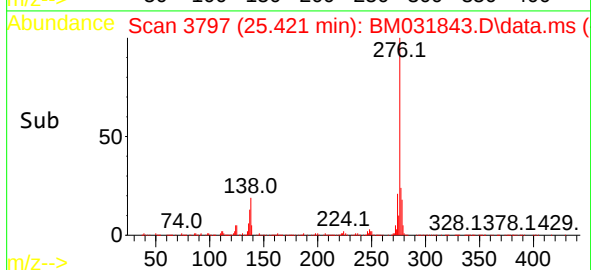
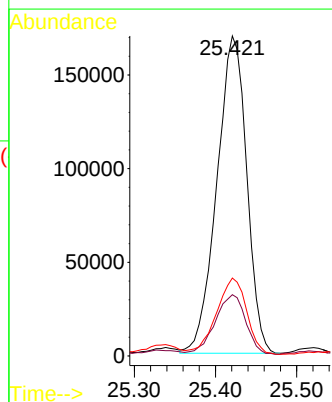
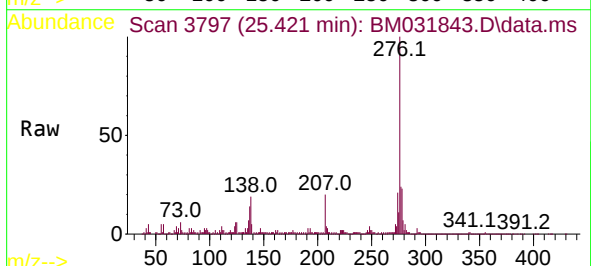
Instrument :
 BNA_M
 ClientSampleId :
 SWCS-07-0205

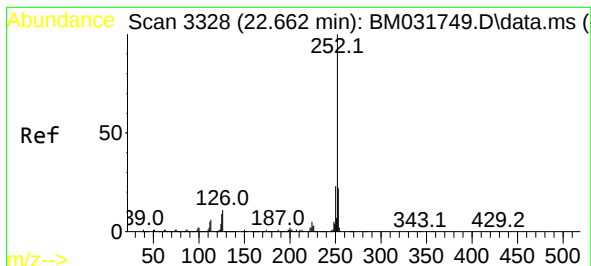
Tgt Ion:264 Resp: 194312
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.8 29.8
 265 23.4 17.7 26.5



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 31.598 ng
 RT: 25.421 min Scan# 3797
 Delta R.T. 0.012 min
 Lab File: BM031843.D
 Acq: 20 Aug 2021 15:52

Tgt Ion:276 Resp: 432684
 Ion Ratio Lower Upper
 276 100
 138 19.3 17.1 25.7
 277 24.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 82.811 ng

RT: 22.656 min Scan# 3327

Delta R.T. 0.012 min

Lab File: BM031843.D

Acq: 20 Aug 2021 15:52

Tgt Ion:252 Resp: 1208153

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

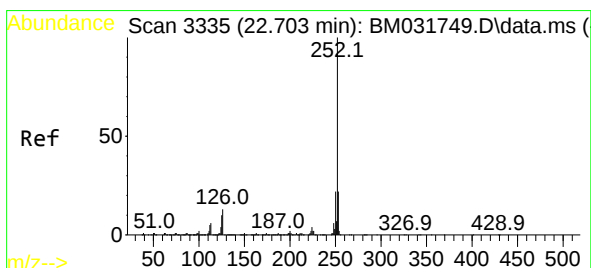
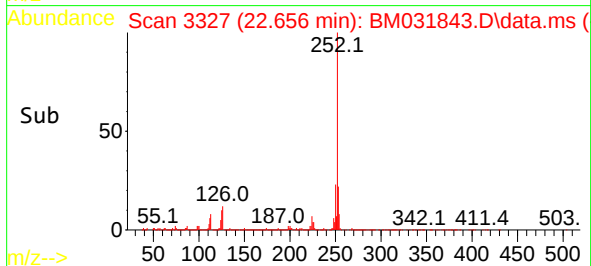
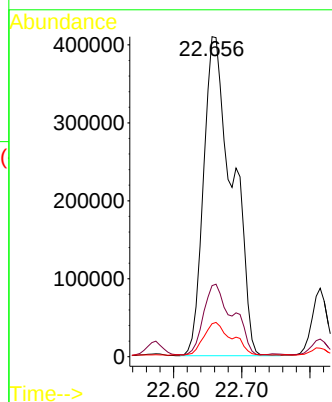
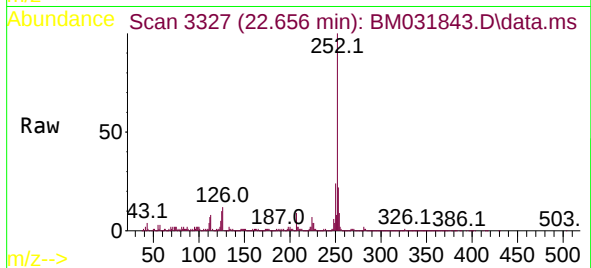
125 10.3 6.8 10.2#

Instrument :

BNA_M

ClientSampleId :

SWCS-07-0205



#89

Benzo(k)fluoranthene

Concen: 85.797 ng

RT: 22.656 min Scan# 3327

Delta R.T. -0.035 min

Lab File: BM031843.D

Acq: 20 Aug 2021 15:52

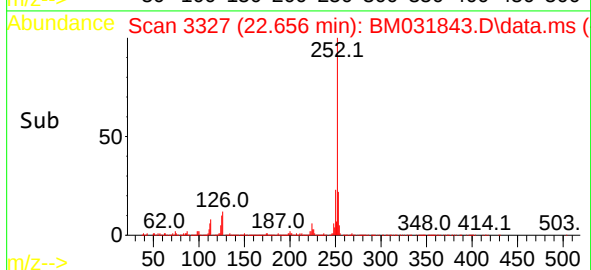
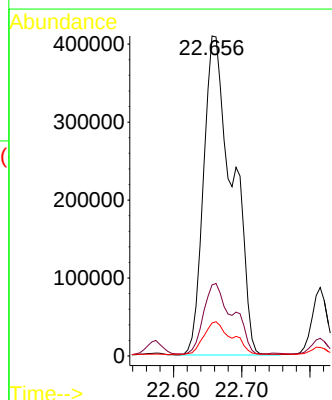
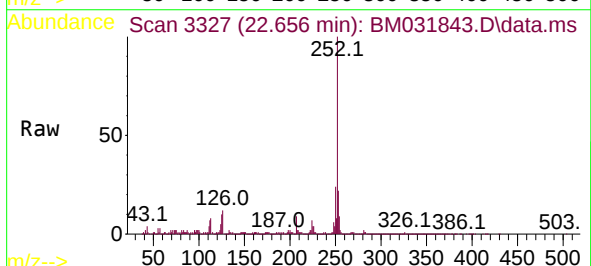
Tgt Ion:252 Resp: 1208153

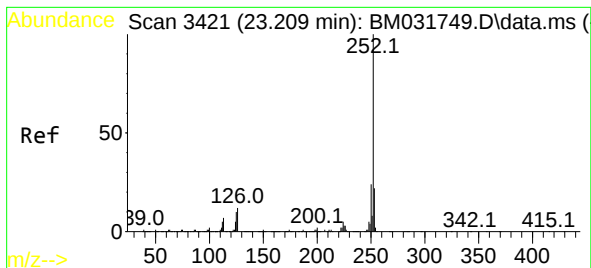
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 10.3 6.2 9.2#

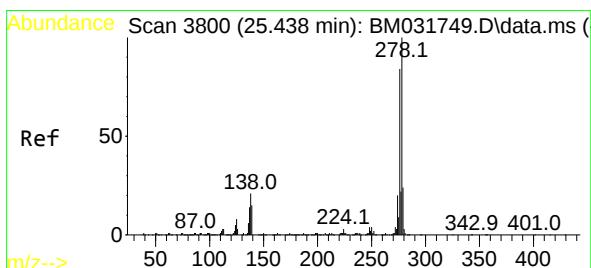
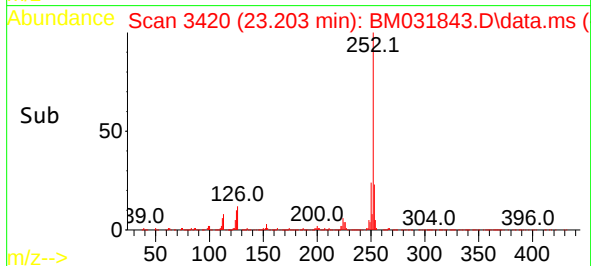
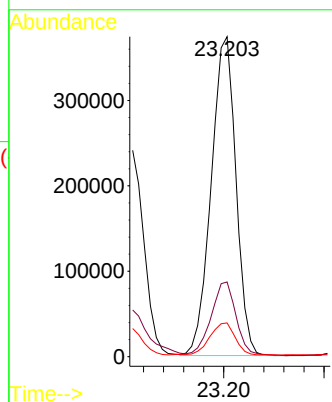
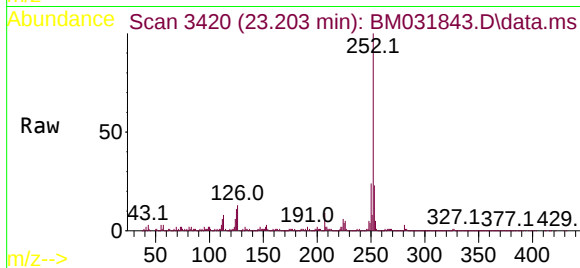




#90
Benzo(a)pyrene
Concen: 49.516 ng
RT: 23.203 min Scan# 3420
Delta R.T. 0.012 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

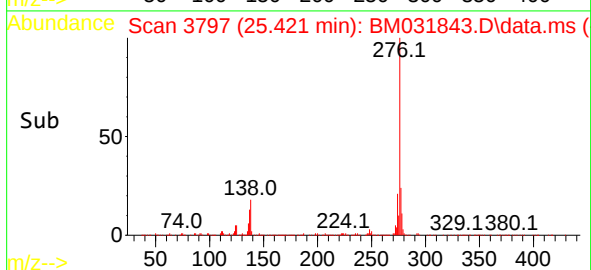
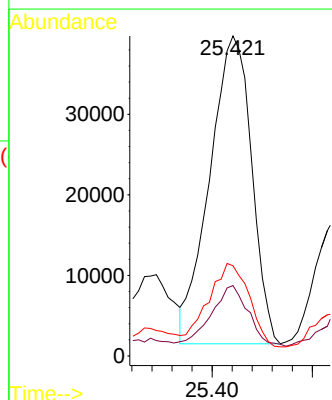
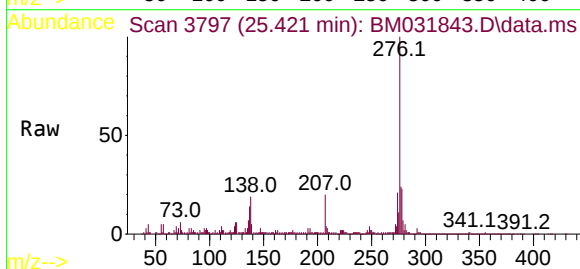
Instrument :
BNA_M
ClientSampleId :
SWCS-07-0205

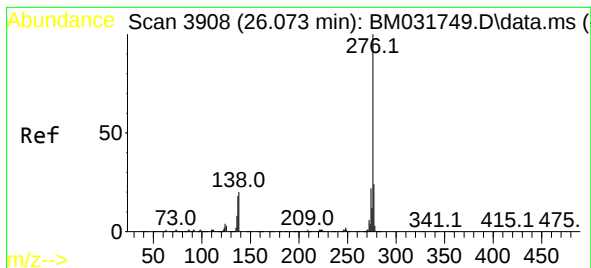
Tgt Ion:252 Resp: 639604
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 10.6 7.3 10.9



#91
Dibenzo(a,h)anthracene
Concen: 9.231 ng
RT: 25.421 min Scan# 3797
Delta R.T. 0.000 min
Lab File: BM031843.D
Acq: 20 Aug 2021 15:52

Tgt Ion:278 Resp: 111164
Ion Ratio Lower Upper
278 100
139 22.0 11.0 16.4#
279 28.2 18.7 28.1#





#92
 Benzo(g,h,i)perylene
 Concen: 36.723 ng
 RT: 26.074 min Scan# 3908
 Delta R.T. 0.024 min
 Lab File: BM031843.D
 Acq: 20 Aug 2021 15:52

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-07-0205

Tgt Ion:276 Resp: 402731
 Ion Ratio Lower Upper
 276 100
 277 23.8 19.4 29.2
 138 20.4 14.4 21.6

