

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082021\
 Data File : BM031841.D
 Acq On : 20 Aug 2021 14:37
 Operator : CG/JU
 Sample : M3394-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-02-0205

Quant Time: Aug 20 15:29:47 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)

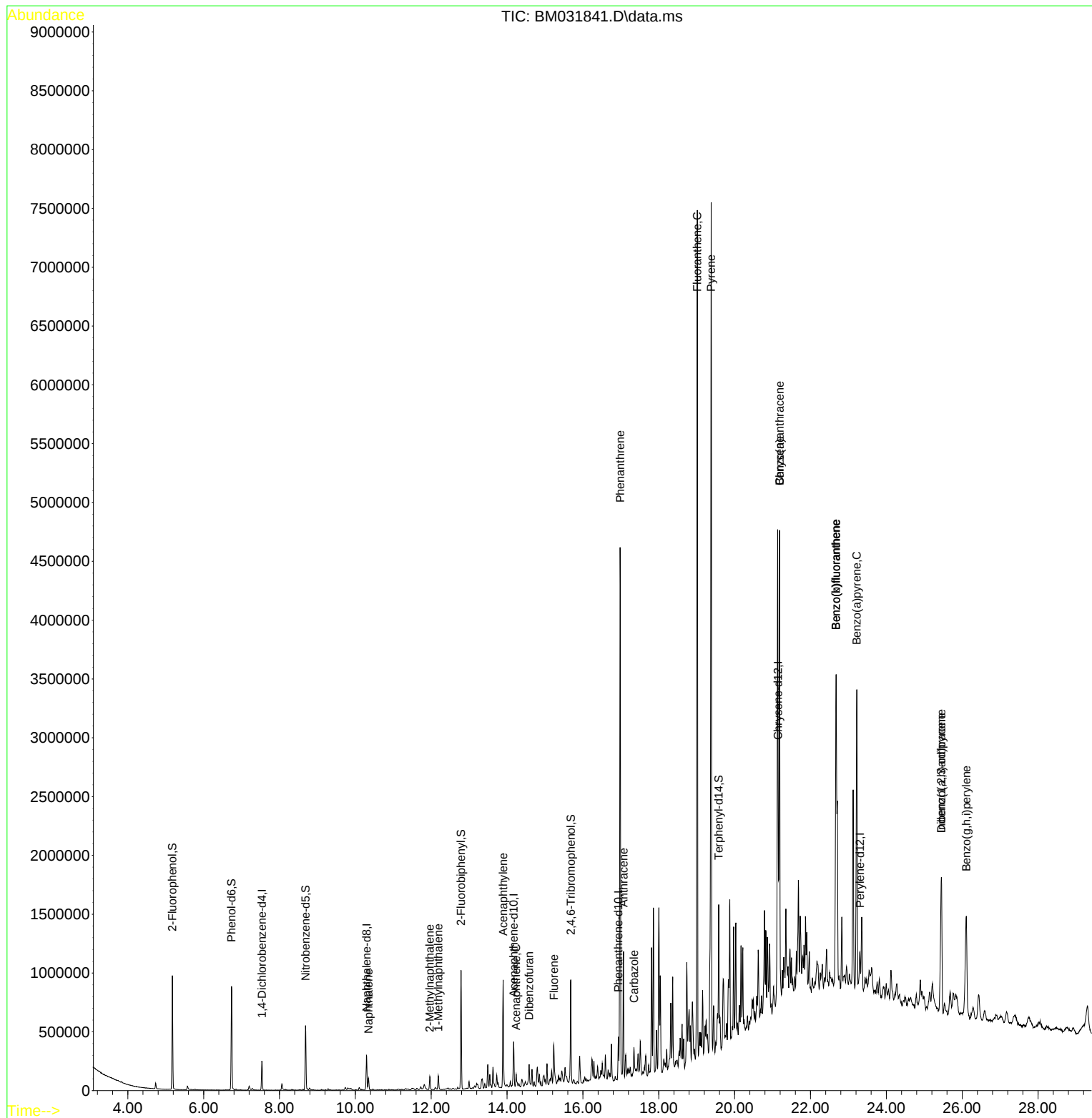
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.539	152	56574	20.000	ng	0.00
21) Naphthalene-d8	10.298	136	215702	20.000	ng	# 0.00
39) Acenaphthene-d10	14.174	164	115896	20.000	ng	0.00
64) Phenanthrene-d10	16.933	188	202205	20.000	ng	0.00
76) Chrysene-d12	21.144	240	206417	20.000	ng	0.01
86) Perylene-d12	23.303	264	200229	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	336579	95.487	ng	0.00
7) Phenol-d6	6.734	99	415910	81.429	ng	0.00
23) Nitrobenzene-d5	8.686	82	292304	56.741	ng	0.00
42) 2,4,6-Tribromophenol	15.680	330	97371	68.215	ng	0.00
45) 2-Fluorobiphenyl	12.786	172	442627	50.834	ng	0.00
79) Terphenyl-d14	19.580	244	451052	36.817	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.345	128	68817	5.572	ng	99
37) 2-Methylnaphthalene	11.963	142	48131	5.208	ng	# 94
38) 1-Methylnaphthalene	12.186	142	48734	5.521	ng	# 97
49) Acenaphthylene	13.898	152	641655	54.739	ng	99
52) Acenaphthene	14.239	154	36913	5.169	ng	99
55) Dibenzofuran	14.580	168	46174	3.869	ng	# 75
58) Fluorene	15.233	166	155705	15.718	ng	98
71) Phenanthrene	16.980	178	2476079	200.782	ng	99
72) Anthracene	17.068	178	587636	48.606	ng	99
73) Carbazole	17.345	167	115613	9.546	ng	# 95
75) Fluoranthene	19.015	202	4060519	274.892	ng	97
78) Pyrene	19.380	202	4121454	275.616	ng	99
81) Benzo(a)anthracene	21.186	228	1894282	125.287	ng	95
83) Chrysene	21.186	228	1894282	128.532	ng	98
87) Indeno(1,2,3-cd)pyrene	25.450	276	959639	68.010	ng	98
88) Benzo(b)fluoranthene	22.674	252	2783448	185.149	ng	# 97
89) Benzo(k)fluoranthene	22.674	252	2783448	191.826	ng	# 96
90) Benzo(a)pyrene	23.221	252	1531498	115.060	ng	97
91) Dibenzo(a,h)anthracene	25.450	278	260584	20.998	ng	# 88
92) Benzo(g,h,i)perylene	26.109	276	926471	81.985	ng	98

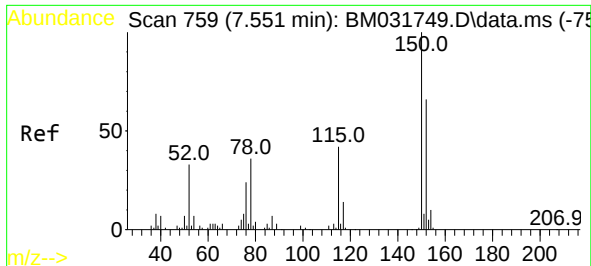
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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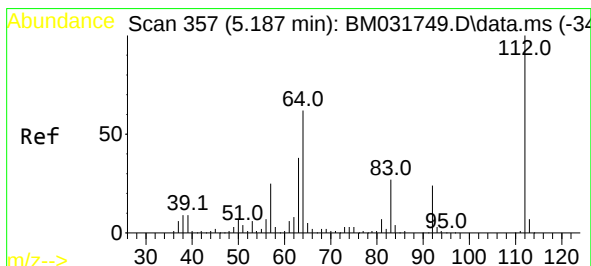
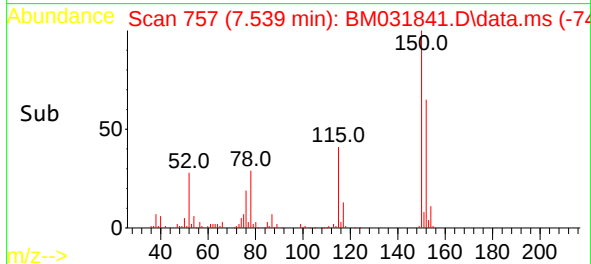
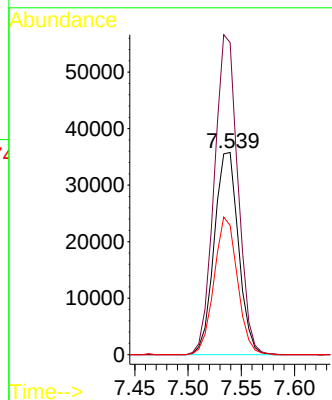
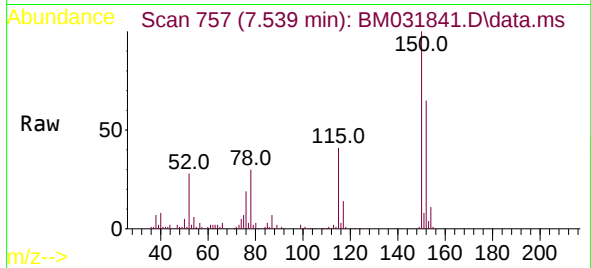




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.539 min Scan# 757
Delta R.T. -0.001 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

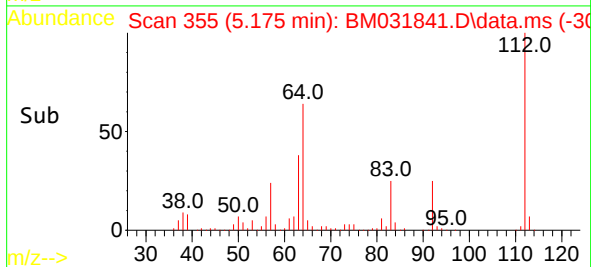
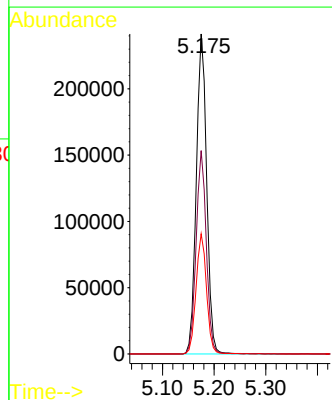
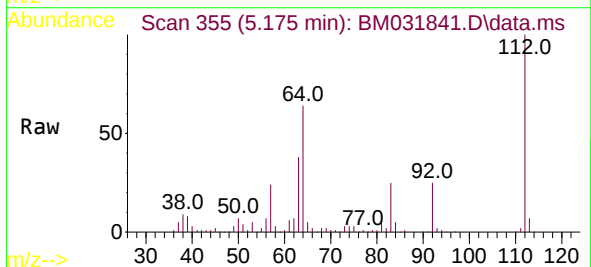
Instrument :
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SWCS-02-0205

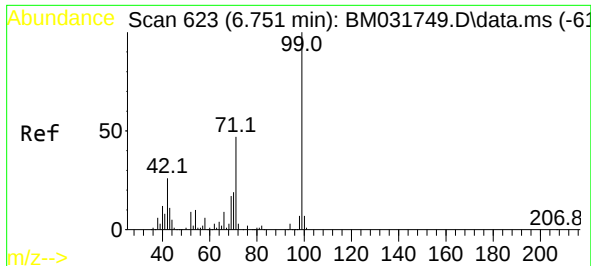
Tgt Ion:152 Resp: 56574
Ion Ratio Lower Upper
152 100
150 154.4 125.9 188.9
115 64.0 44.6 67.0



#5
2-Fluorophenol
Concen: 95.487 ng
RT: 5.175 min Scan# 355
Delta R.T. -0.000 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Tgt Ion:112 Resp: 336579
Ion Ratio Lower Upper
112 100
64 63.5 47.1 70.7
63 37.6 27.3 40.9

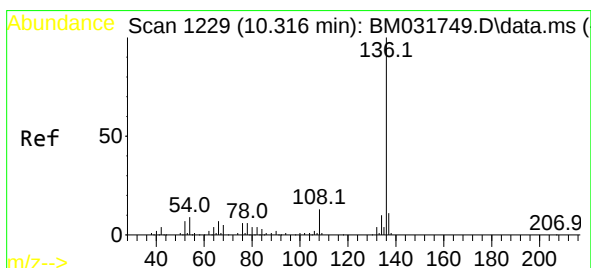
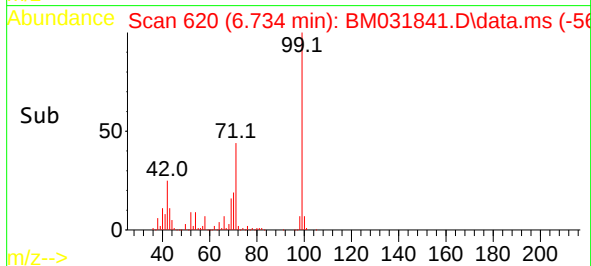
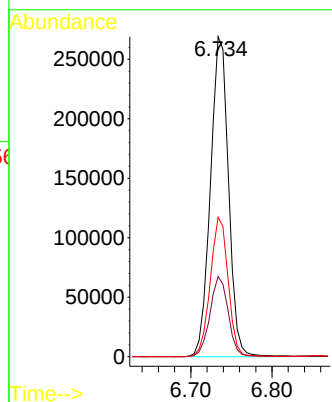
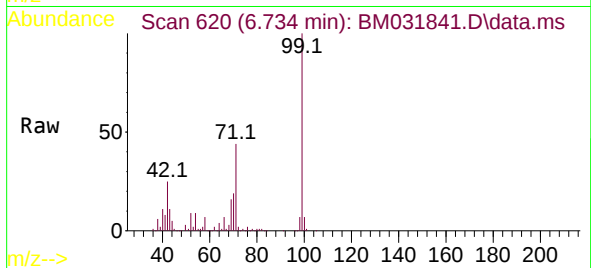




#7
Phenol-d6
Concen: 81.429 ng
RT: 6.734 min Scan# 620
Delta R.T. -0.000 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

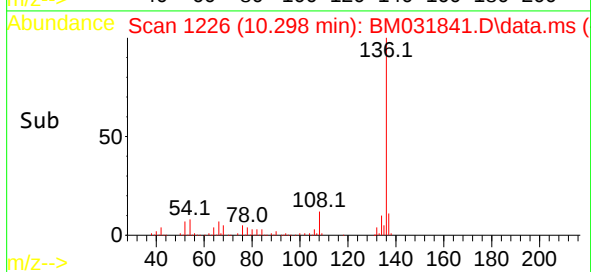
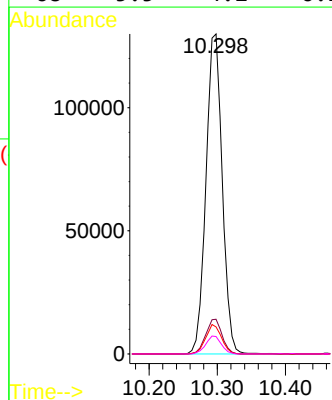
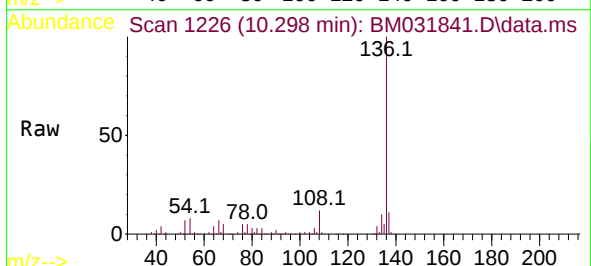
Instrument :
BNA_M
ClientSampleId :
SWCS-02-0205

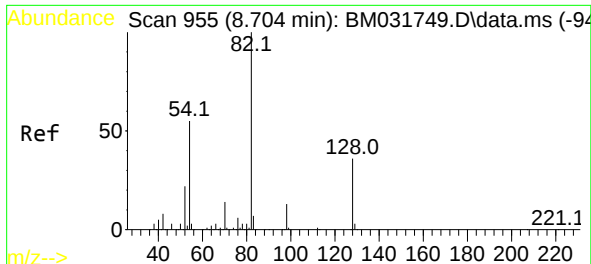
Tgt Ion: 99 Resp: 415910
Ion Ratio Lower Upper
99 100
42 25.0 18.0 27.0
71 43.6 30.9 46.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.298 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Tgt Ion: 136 Resp: 215702
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.5 5.5 8.3#
68 5.5 4.2 6.2

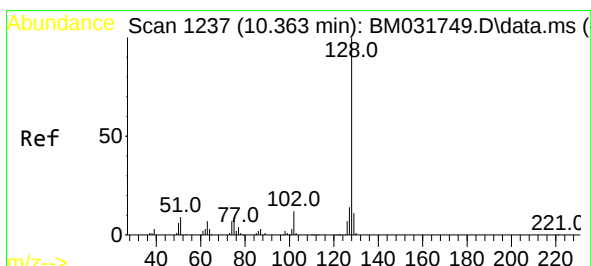
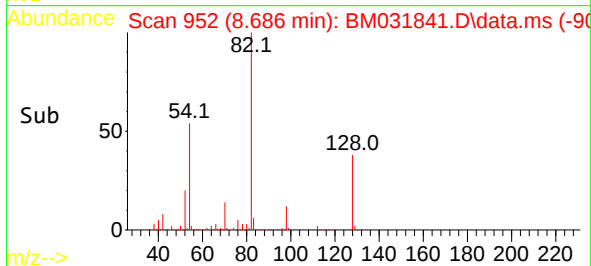
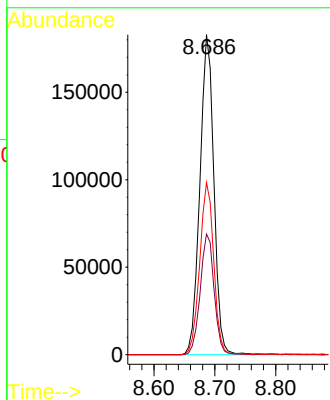
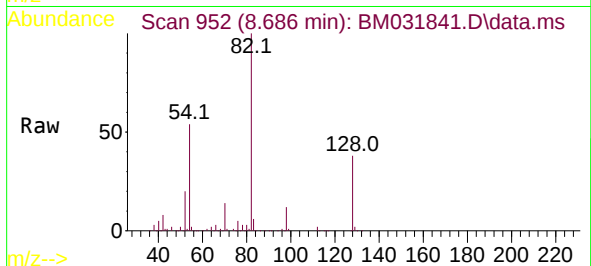




#23
Nitrobenzene-d5
Concen: 56.741 ng
RT: 8.686 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

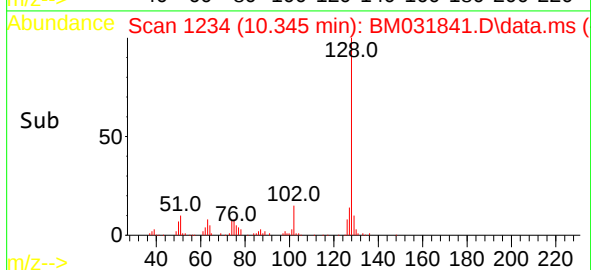
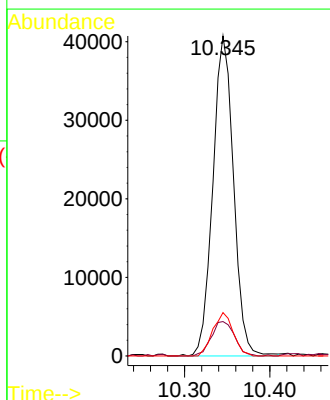
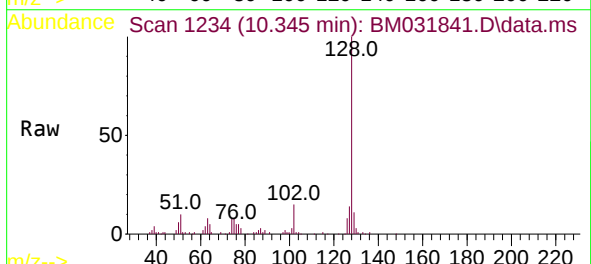
Instrument :
BNA_M
ClientSampleId :
SWCS-02-0205

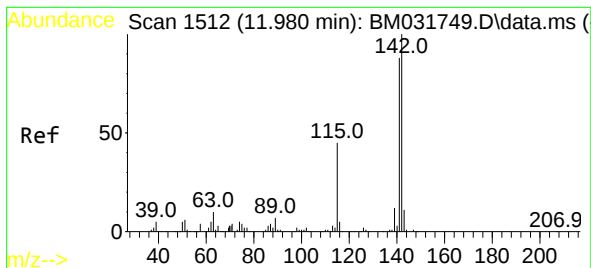
Tgt Ion: 82 Resp: 292304
Ion Ratio Lower Upper
82 100
128 37.7 31.1 46.7
54 53.8 37.3 55.9



#31
Naphthalene
Concen: 5.572 ng
RT: 10.345 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Tgt Ion: 128 Resp: 68817
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 13.6 10.8 16.2

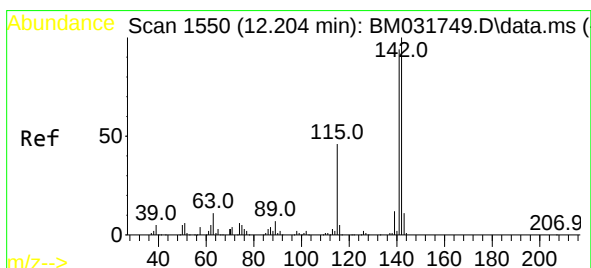
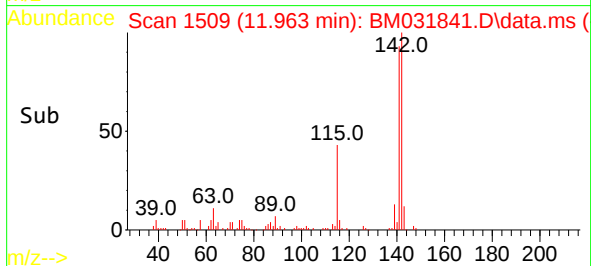
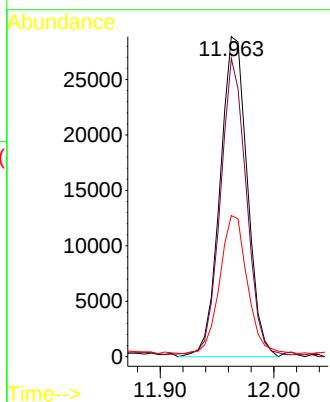
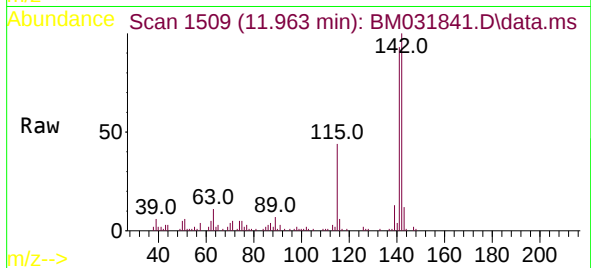




#37
2-Methylnaphthalene
Concen: 5.208 ng
RT: 11.963 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

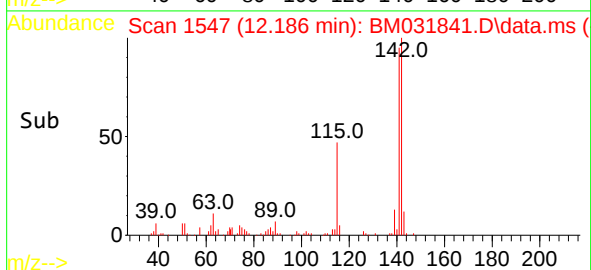
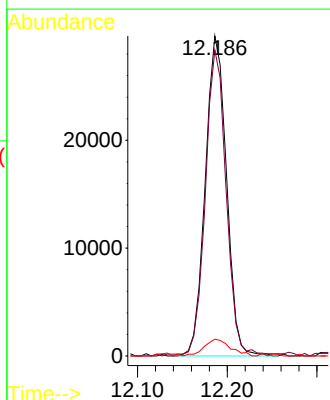
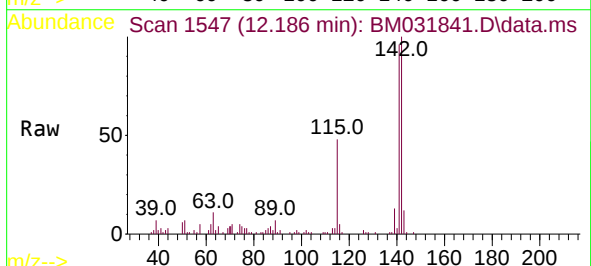
Instrument :
BNA_M
ClientSampleId :
SWCS-02-0205

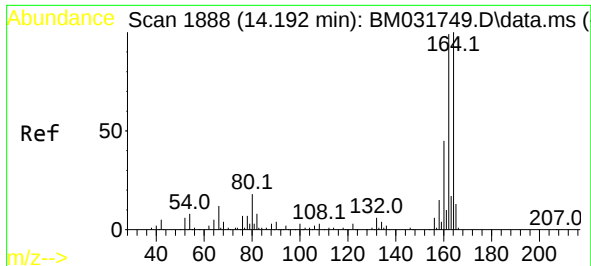
Tgt Ion:142 Resp: 48131
Ion Ratio Lower Upper
142 100
141 93.2 71.7 107.5
115 44.1 29.1 43.7#



#38
1-Methylnaphthalene
Concen: 5.521 ng
RT: 12.186 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Tgt Ion:142 Resp: 48734
Ion Ratio Lower Upper
142 100
141 95.6 74.2 111.4
116 5.2 3.0 4.6#

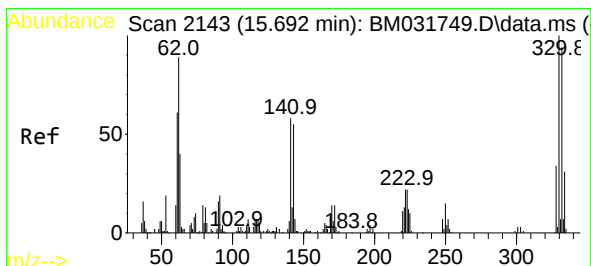
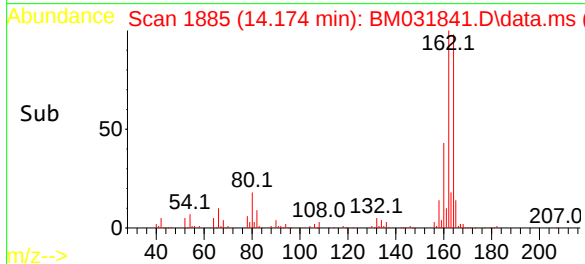
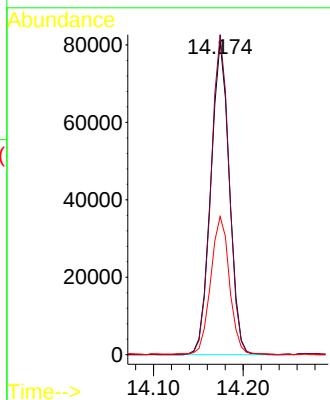
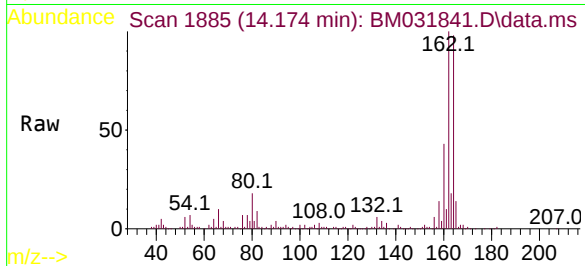




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.174 min Scan# 1885
Delta R.T. -0.006 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

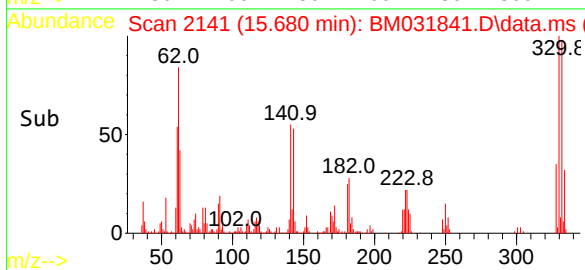
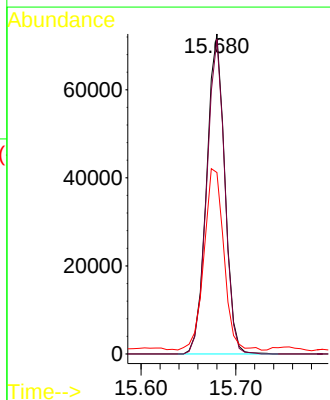
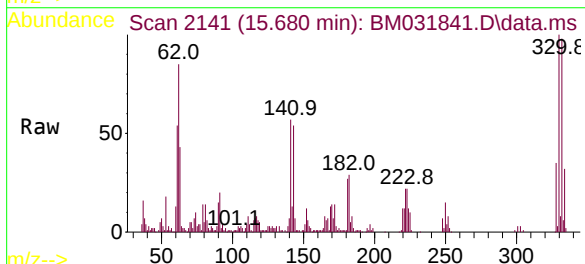
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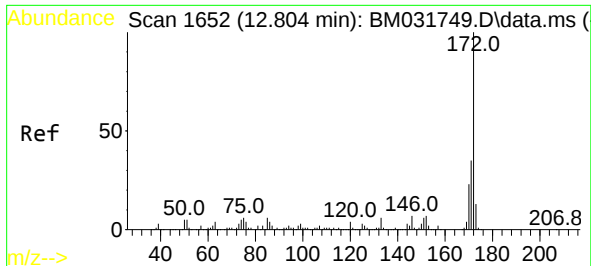
Tgt Ion:164 Resp: 115896
Ion Ratio Lower Upper
164 100
162 102.2 83.4 125.0
160 44.1 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 68.215 ng
RT: 15.680 min Scan# 2141
Delta R.T. -0.000 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Tgt Ion:330 Resp: 97371
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.4
141 61.8 30.2 45.2#

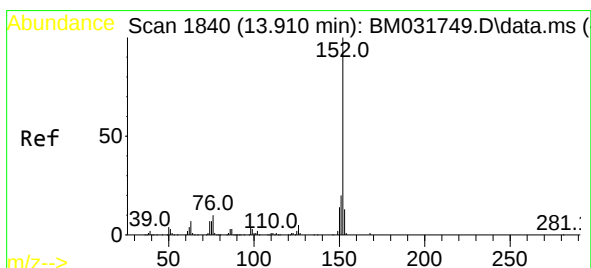
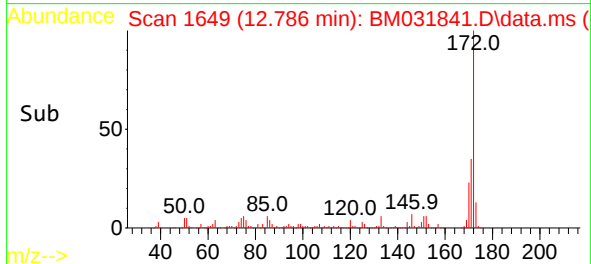
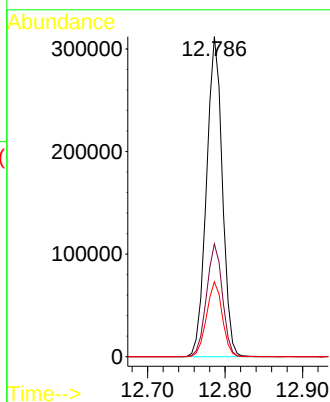
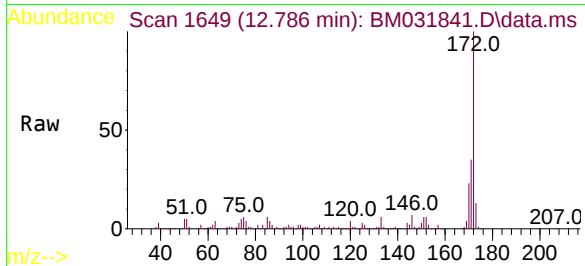




#45
2-Fluorobiphenyl
Concen: 50.834 ng
RT: 12.786 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

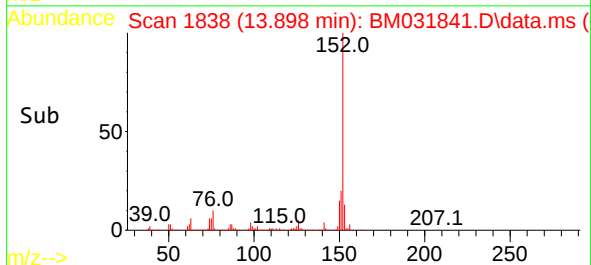
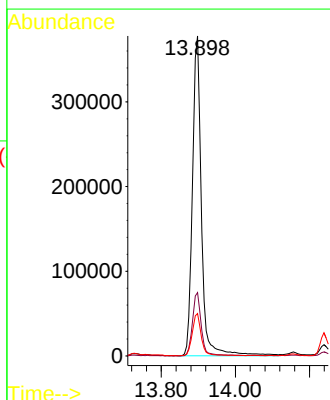
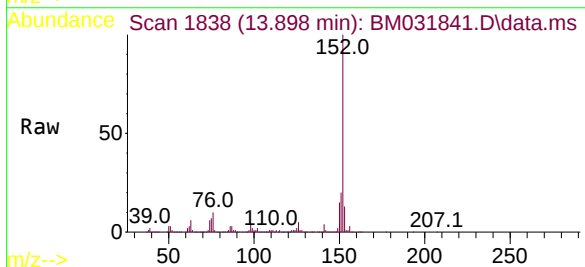
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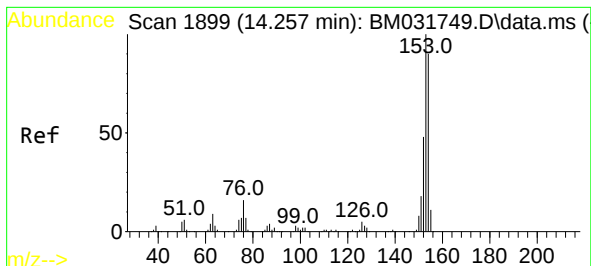
Tgt Ion:172	Resp: 442627
Ion Ratio	Lower Upper
172 100	
171 35.3	28.6 43.0
170 23.4	18.4 27.6



#49
Acenaphthylene
Concen: 54.739 ng
RT: 13.898 min Scan# 1838
Delta R.T. -0.000 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Tgt Ion:152	Resp: 641655
Ion Ratio	Lower Upper
152 100	
151 19.8	16.3 24.5
153 13.2	10.2 15.4





#52

Acenaphthene

Concen: 5.169 ng

RT: 14.239 min Scan# 1896

Delta R.T. -0.006 min

Lab File: BM031841.D

Acq: 20 Aug 2021 14:37

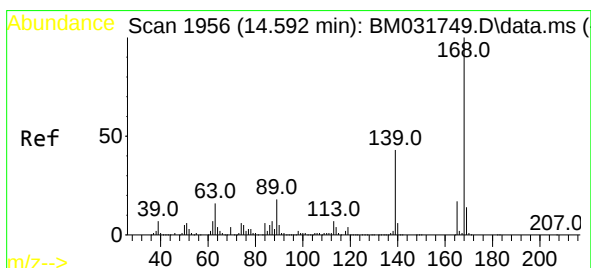
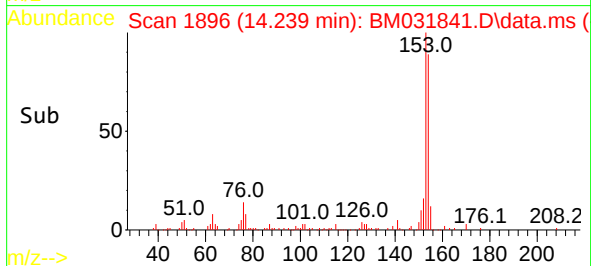
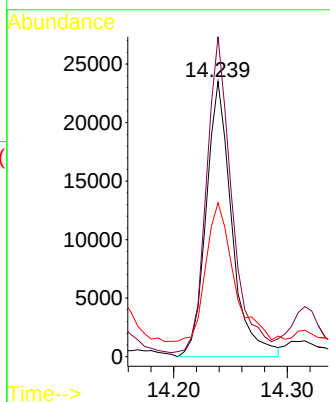
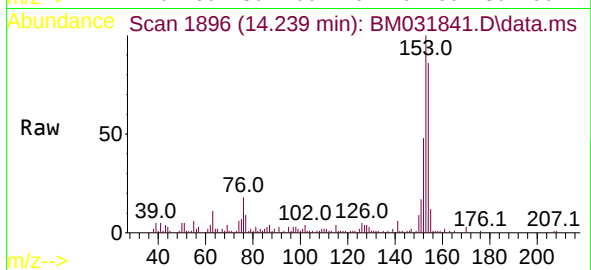
Tgt Ion:	154	Resp:	36913
Ion Ratio	Lower	Upper	
154	100		
153	116.3	92.2	138.2
152	55.9	43.4	65.2

Instrument :

BNA_M

ClientSampleId :

SWCS-02-0205



#55

Dibenzofuran

Concen: 3.869 ng

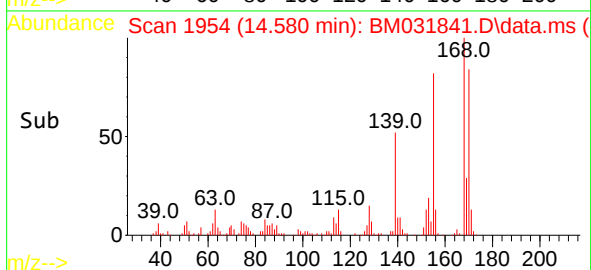
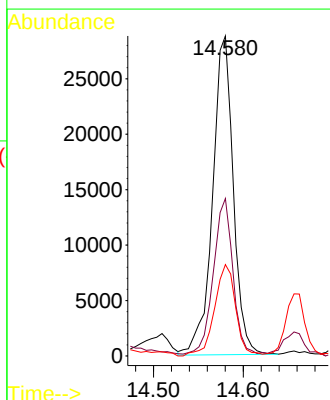
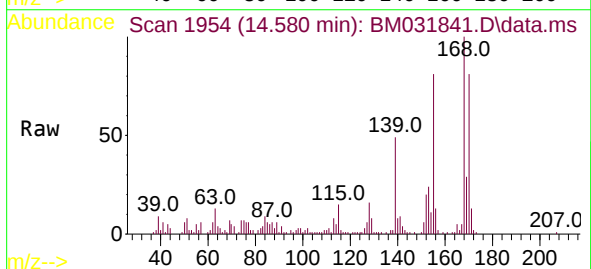
RT: 14.580 min Scan# 1954

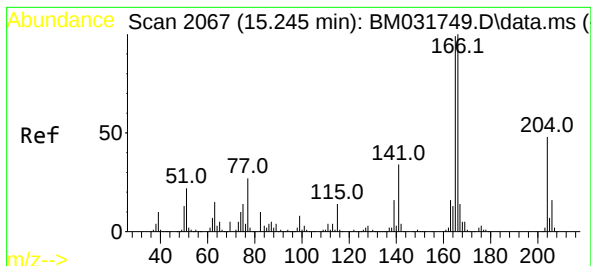
Delta R.T. -0.000 min

Lab File: BM031841.D

Acq: 20 Aug 2021 14:37

Tgt Ion:	168	Resp:	46174
Ion Ratio	Lower	Upper	
168	100		
139	49.2	29.4	44.0#
169	28.5	10.8	16.2#

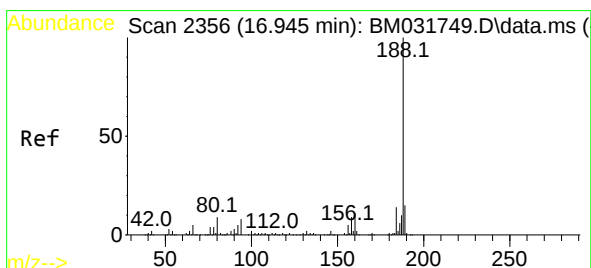
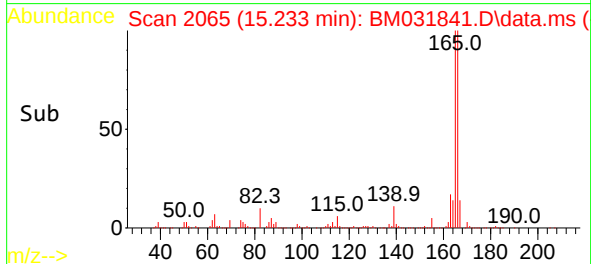
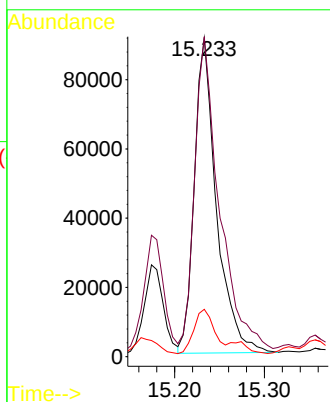
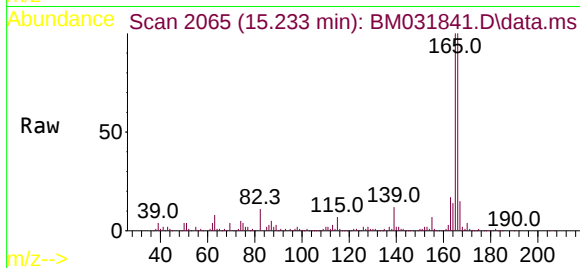




#58
Fluorene
Concen: 15.718 ng
RT: 15.233 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

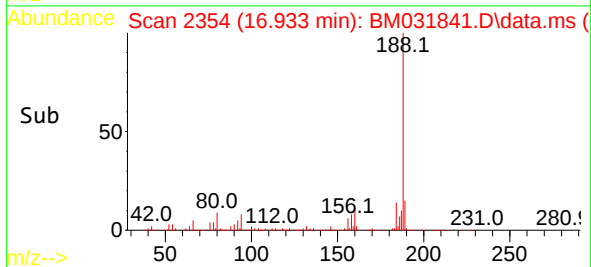
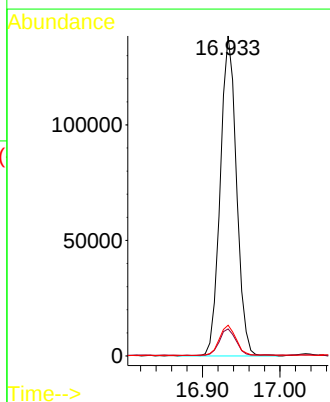
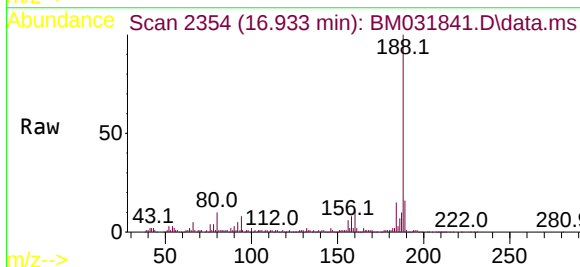
Instrument :
BNA_M
ClientSampleId :
SWCS-02-0205

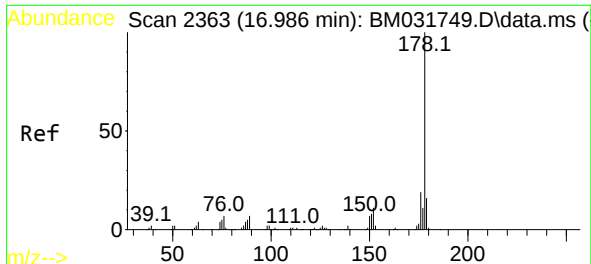
Tgt Ion:166 Resp: 155705
Ion Ratio Lower Upper
166 100
165 100.5 79.0 118.6
167 14.9 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.933 min Scan# 2354
Delta R.T. -0.000 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Tgt Ion:188 Resp: 202205
Ion Ratio Lower Upper
188 100
94 8.4 6.0 9.0
80 9.6 6.6 9.8

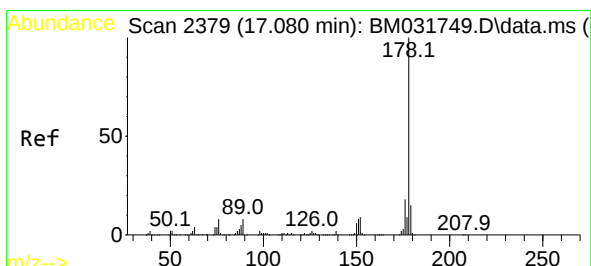
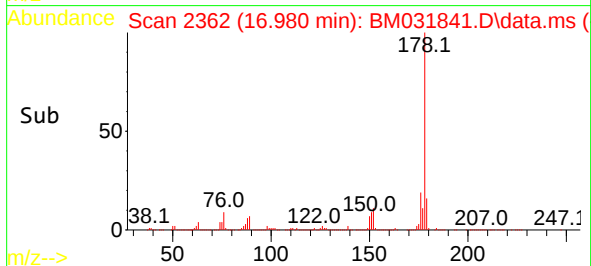
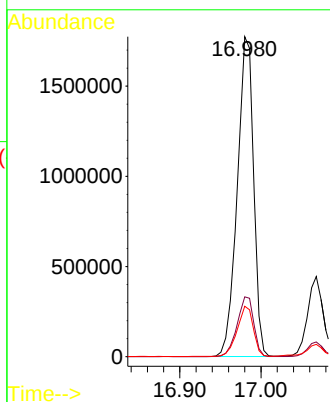
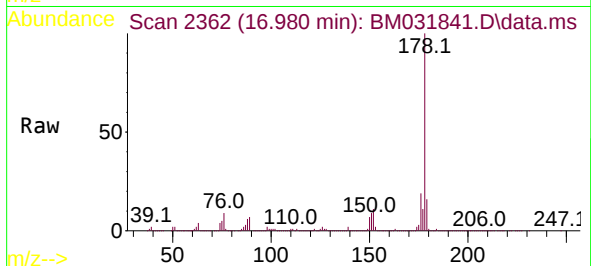




#71
Phenanthrene
Concen: 200.782 ng
RT: 16.980 min Scan# 2362
Delta R.T. 0.006 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

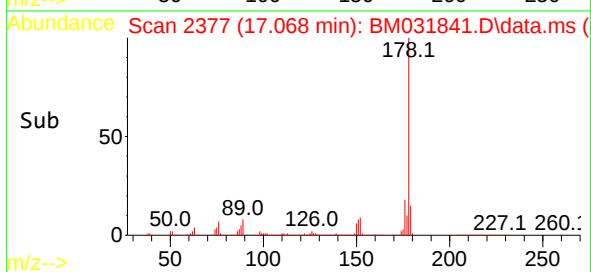
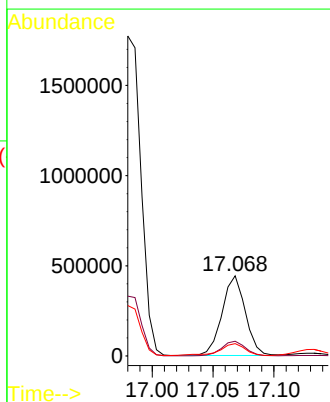
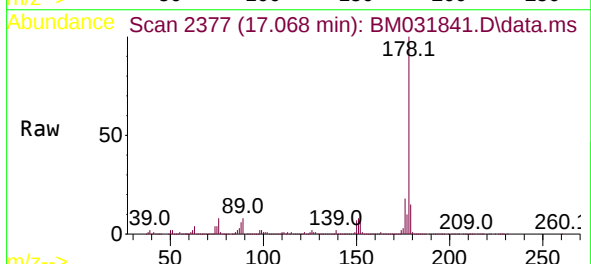
Instrument :
BNA_M
ClientSampleId :
SWCS-02-0205

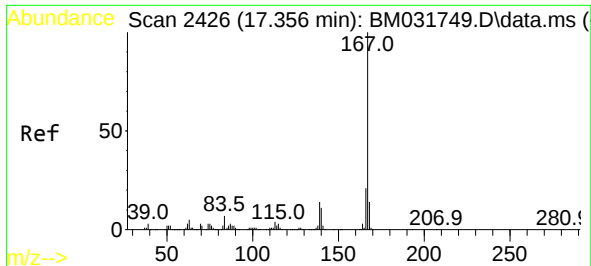
Tgt Ion:178 Resp: 2476079
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.7 12.2 18.4



#72
Anthracene
Concen: 48.606 ng
RT: 17.068 min Scan# 2377
Delta R.T. -0.000 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Tgt Ion:178 Resp: 587636
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.4 12.5 18.7

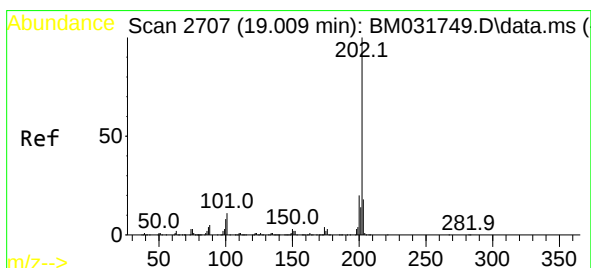
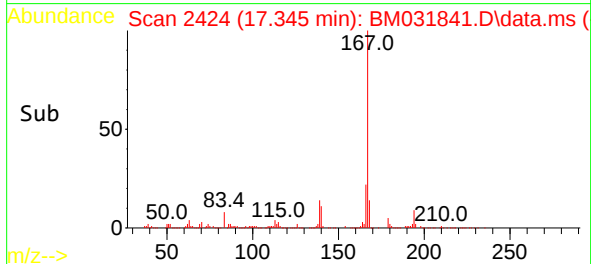
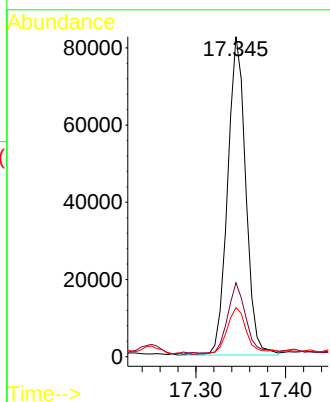
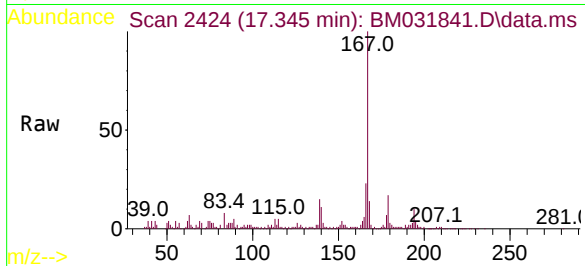




#73
 Carbazole
 Concen: 9.546 ng
 RT: 17.345 min Scan# 2424
 Delta R.T. -0.000 min
 Lab File: BM031841.D
 Acq: 20 Aug 2021 14:37

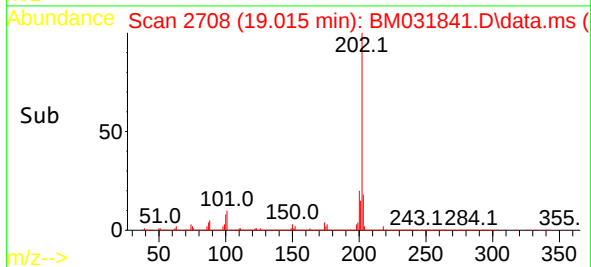
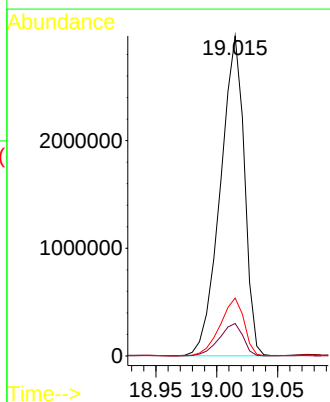
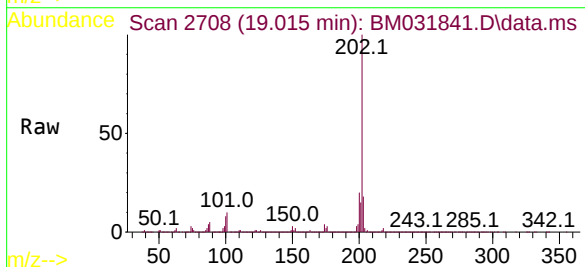
Instrument :
 BNA_M
 ClientSampleId :
 SWCS-02-0205

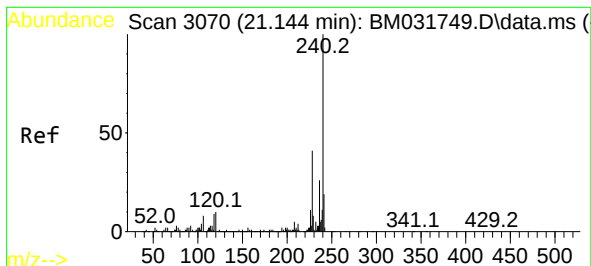
Tgt Ion:167 Resp: 115613
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.4 26.0
 139 15.3 9.8 14.6#



#75
 Fluoranthene
 Concen: 274.892 ng
 RT: 19.015 min Scan# 2708
 Delta R.T. 0.017 min
 Lab File: BM031841.D
 Acq: 20 Aug 2021 14:37

Tgt Ion:202 Resp: 4060519
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 28.6
 203 18.1 0.0 37.3

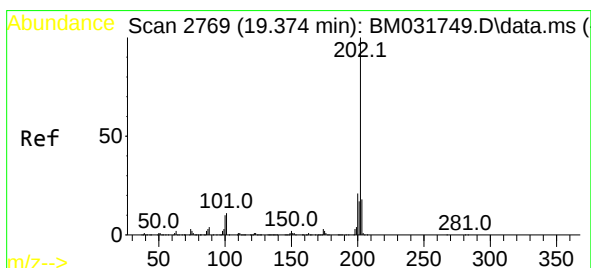
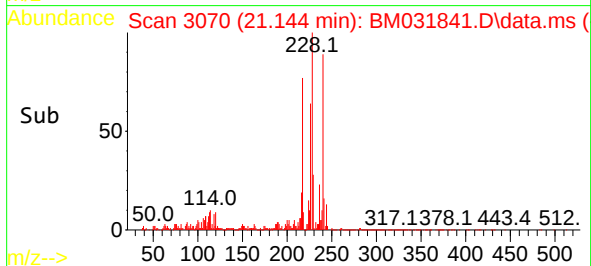
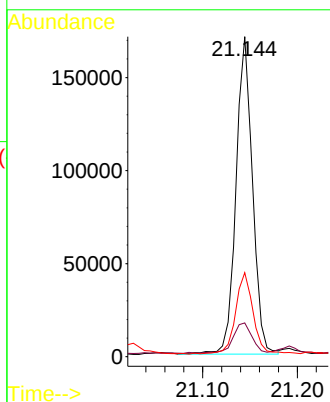
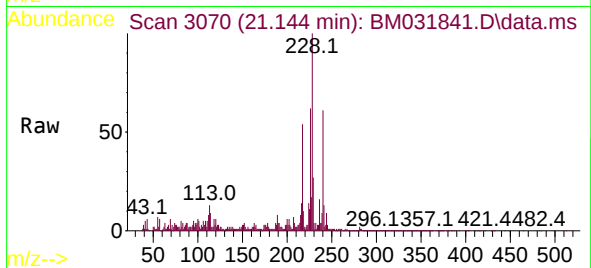




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.144 min Scan# 3070
Delta R.T. 0.012 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

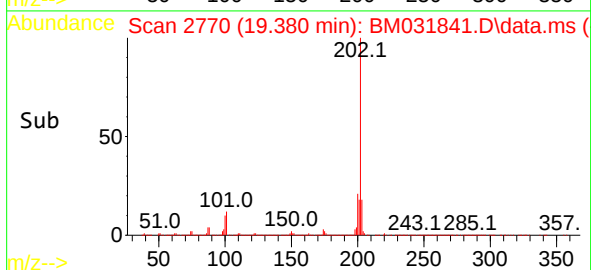
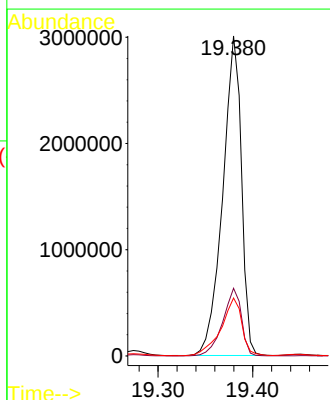
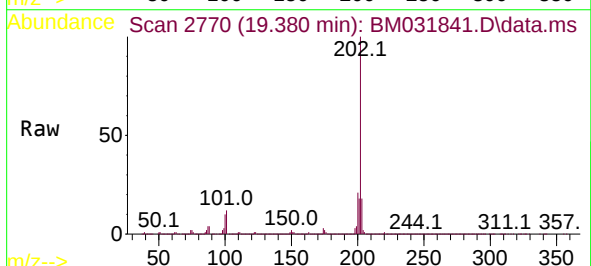
Instrument :
BNA_M
ClientSampleId :
SWCS-02-0205

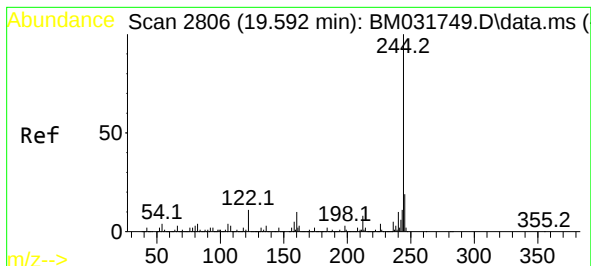
Tgt Ion:240 Resp: 206417
Ion Ratio Lower Upper
240 100
120 10.6 7.0 10.6
236 26.3 21.0 31.4



#78
Pyrene
Concen: 275.616 ng
RT: 19.380 min Scan# 2770
Delta R.T. 0.017 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Tgt Ion:202 Resp: 4121454
Ion Ratio Lower Upper
202 100
200 21.2 17.3 25.9
203 18.1 13.9 20.9





#79

Terphenyl-d14

Concen: 36.817 ng

RT: 19.580 min Scan# 2804

Delta R.T. -0.000 min

Lab File: BM031841.D

Acq: 20 Aug 2021 14:37

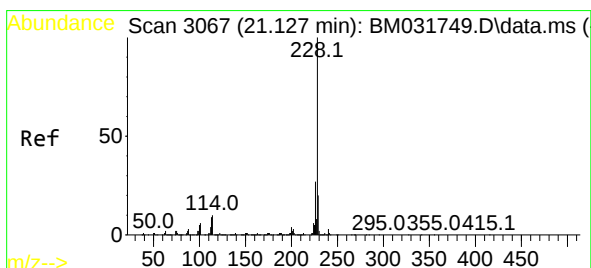
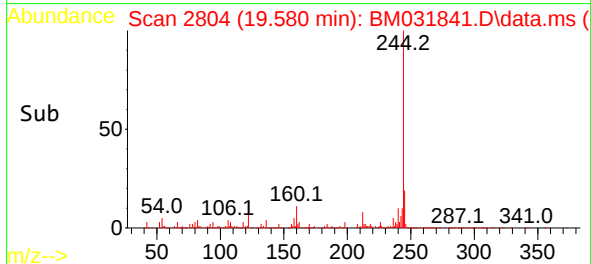
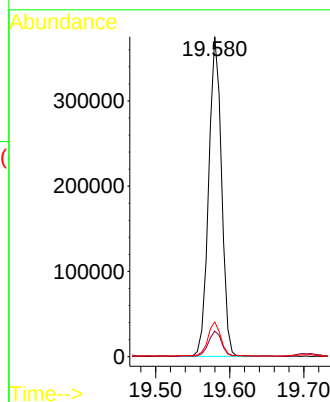
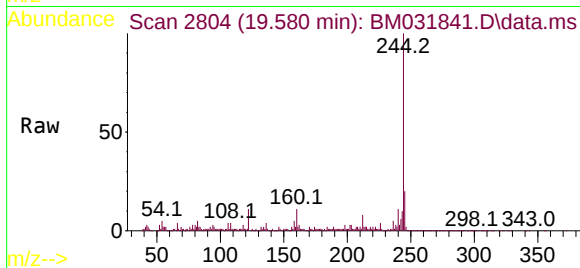
Tgt Ion:244	Resp: 451052
Ion Ratio	Lower Upper
244	100
212	8.0 6.3 9.5
122	10.9 6.9 10.3#

Instrument :

BNA_M

ClientSampleId :

SWCS-02-0205



#81

Benzo(a)anthracene

Concen: 125.287 ng

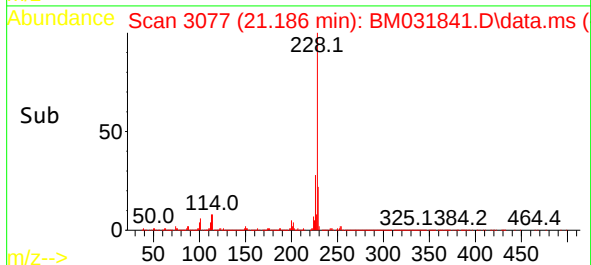
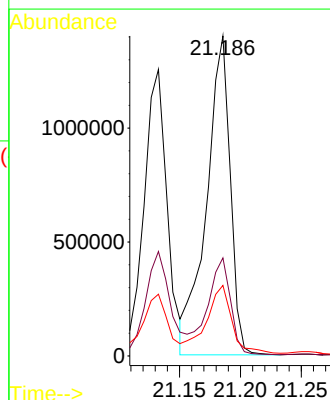
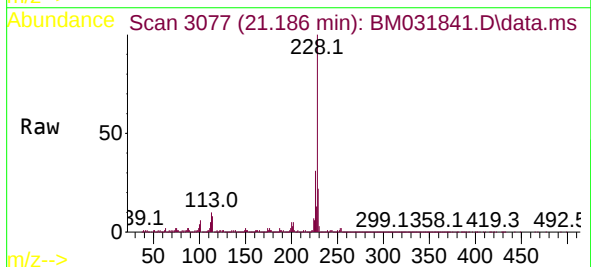
RT: 21.186 min Scan# 3077

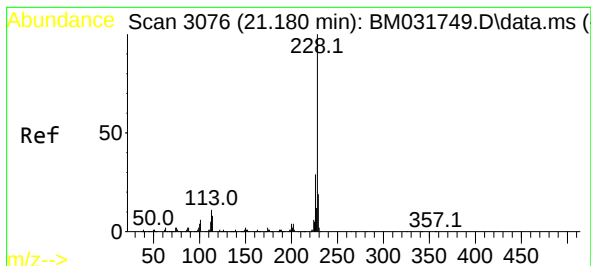
Delta R.T. 0.065 min

Lab File: BM031841.D

Acq: 20 Aug 2021 14:37

Tgt Ion:228	Resp: 1894282
Ion Ratio	Lower Upper
228	100
226	30.6 22.3 33.5
229	22.0 15.7 23.5





#83

Chrysene

Concen: 128.532 ng

RT: 21.186 min Scan# 3077

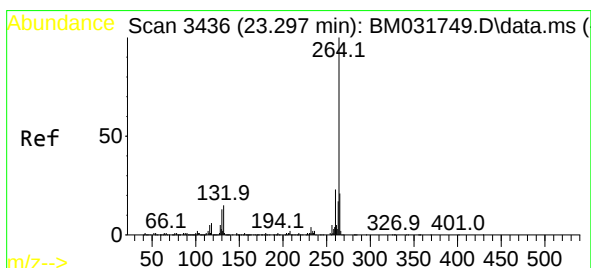
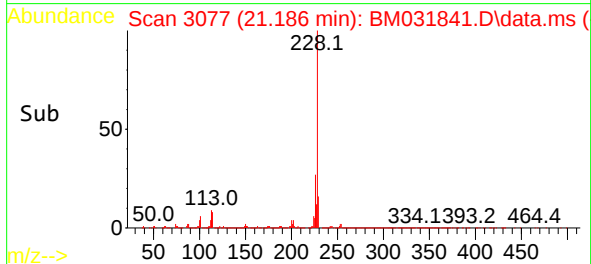
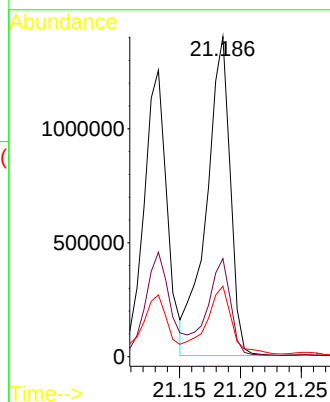
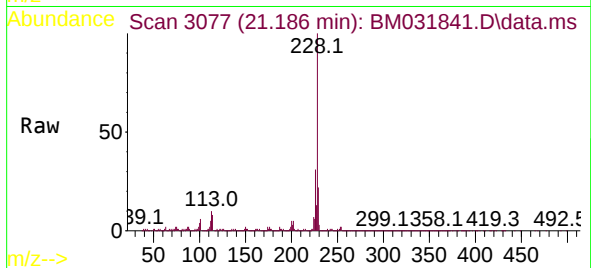
Delta R.T. 0.012 min

Lab File: BM031841.D

Acq: 20 Aug 2021 14:37

Tgt Ion:228 Resp: 1894282

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	36.8
229	22.0	15.5	23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.303 min Scan# 3437

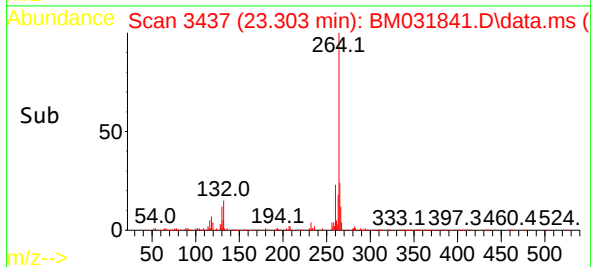
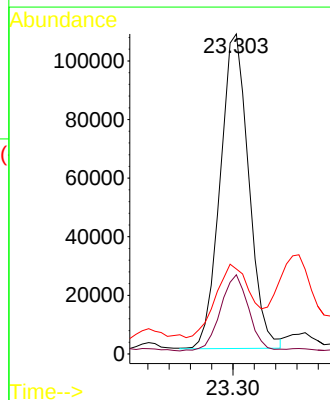
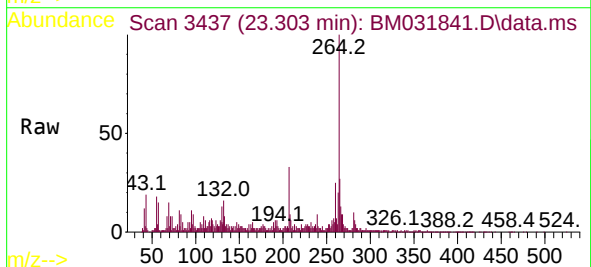
Delta R.T. 0.023 min

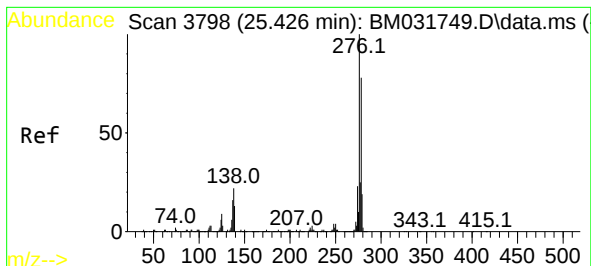
Lab File: BM031841.D

Acq: 20 Aug 2021 14:37

Tgt Ion:264 Resp: 200229

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.8	29.8
265	26.5	17.7	26.5#



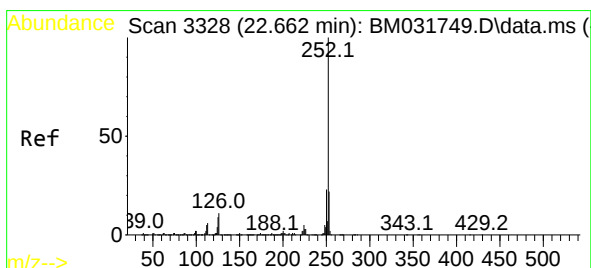
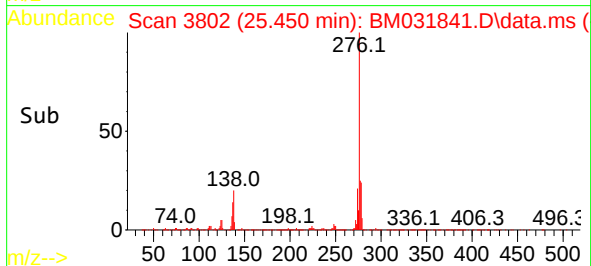
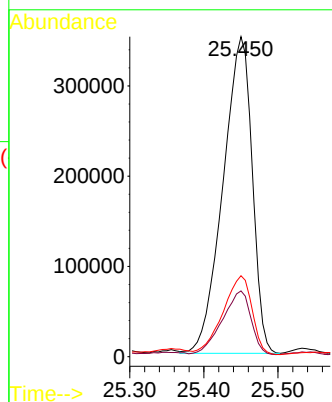
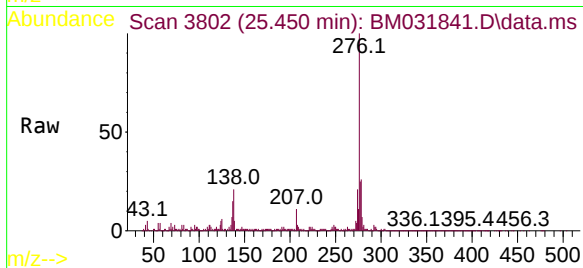


#87

Indeno(1,2,3-cd)pyrene
Concen: 68.010 ng
RT: 25.450 min Scan# 3802
Delta R.T. 0.041 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Instrument :
BNA_M
ClientSampleId :
SWCS-02-0205

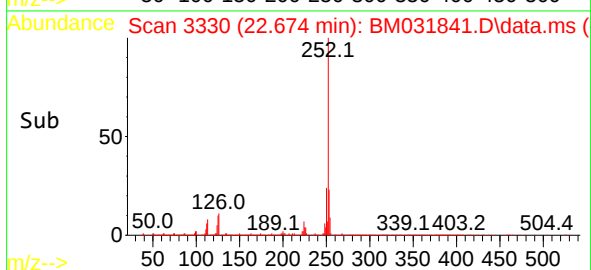
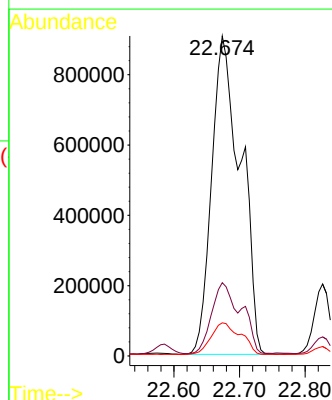
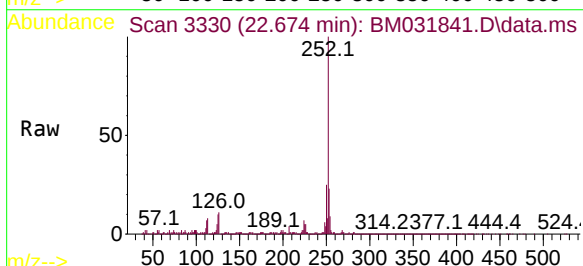
Tgt Ion:276 Resp: 959639
Ion Ratio Lower Upper
276 100
138 19.7 17.1 25.7
277 24.8 20.3 30.5

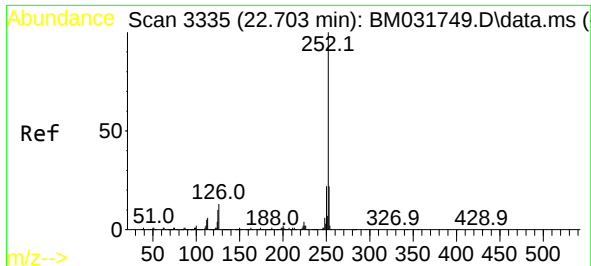


#88

Benzo(b)fluoranthene
Concen: 185.149 ng
RT: 22.674 min Scan# 3330
Delta R.T. 0.029 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Tgt Ion:252 Resp: 2783448
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 10.4 6.8 10.2#

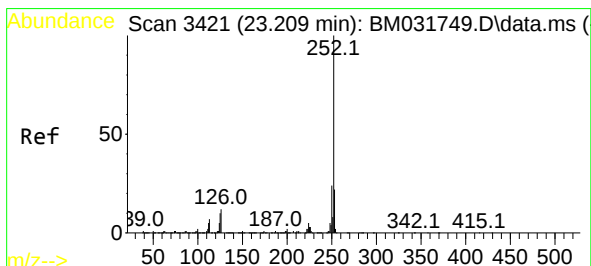
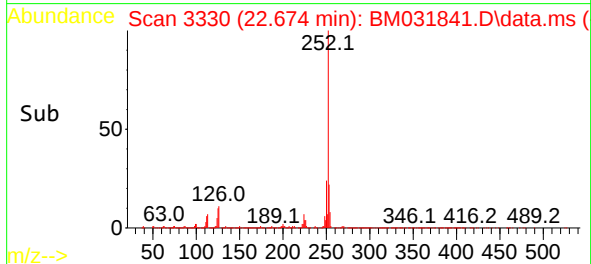
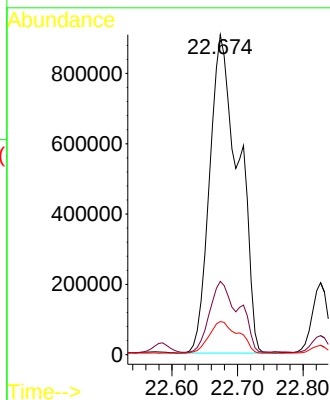
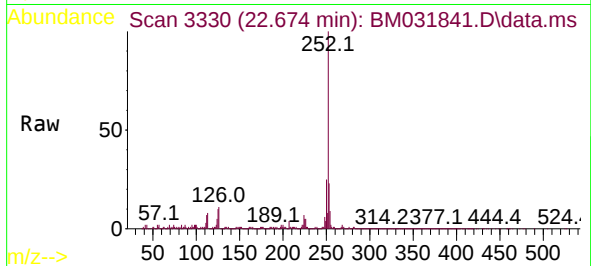




#89
Benzo(k)fluoranthene
Concen: 191.826 ng
RT: 22.674 min Scan# 3330
Delta R.T. -0.018 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

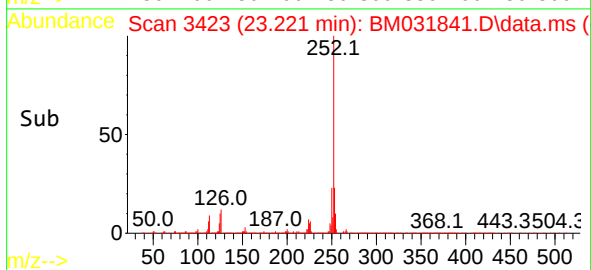
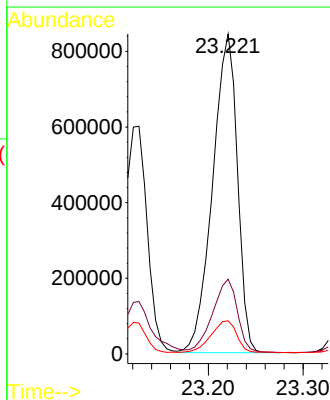
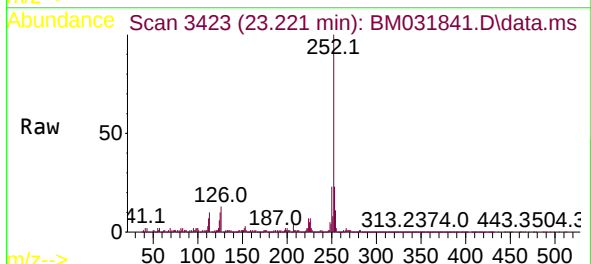
Instrument :
BNA_M
ClientSampleId :
SWCS-02-0205

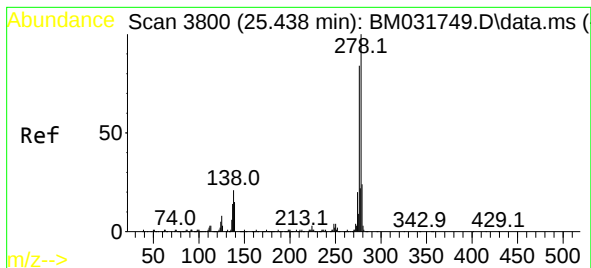
Tgt Ion:252 Resp: 2783448
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 10.4 6.2 9.2#



#90
Benzo(a)pyrene
Concen: 115.060 ng
RT: 23.221 min Scan# 3423
Delta R.T. 0.029 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Tgt Ion:252 Resp: 1531498
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 10.3 7.3 10.9

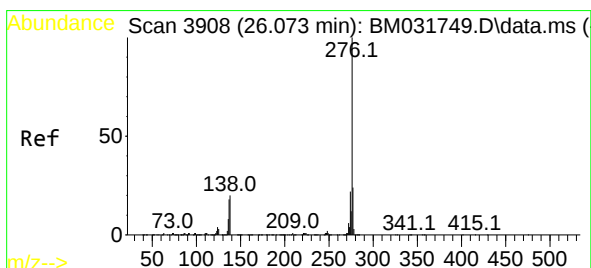
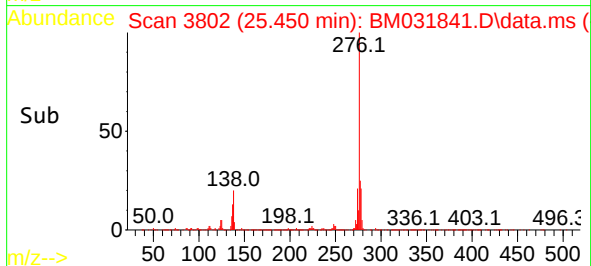
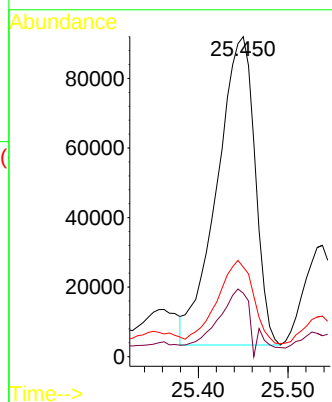
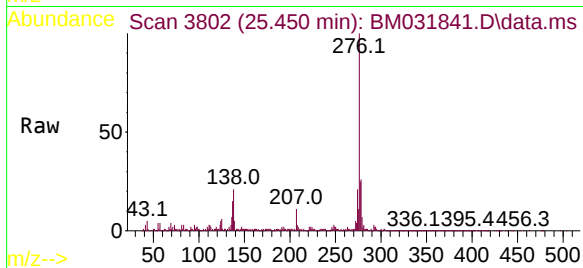




#91
Dibenzo(a,h)anthracene
Concen: 20.998 ng
RT: 25.450 min Scan# 3802
Delta R.T. 0.029 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Instrument :
BNA_M
ClientSampleId :
SWCS-02-0205

Tgt Ion:278 Resp: 260584
Ion Ratio Lower Upper
278 100
139 19.8 11.0 16.4#
279 28.0 18.7 28.1



#92
Benzo(g,h,i)perylene
Concen: 81.985 ng
RT: 26.109 min Scan# 3914
Delta R.T. 0.059 min
Lab File: BM031841.D
Acq: 20 Aug 2021 14:37

Tgt Ion:276 Resp: 926471
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.2
138 20.1 14.4 21.6

