

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082021\
 Data File : BM031861.D
 Acq On : 21 Aug 2021 03:06
 Operator : CG/JU
 Sample : M3397-12DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-06-0002DL

Quant Time: Aug 21 04:28:32 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)

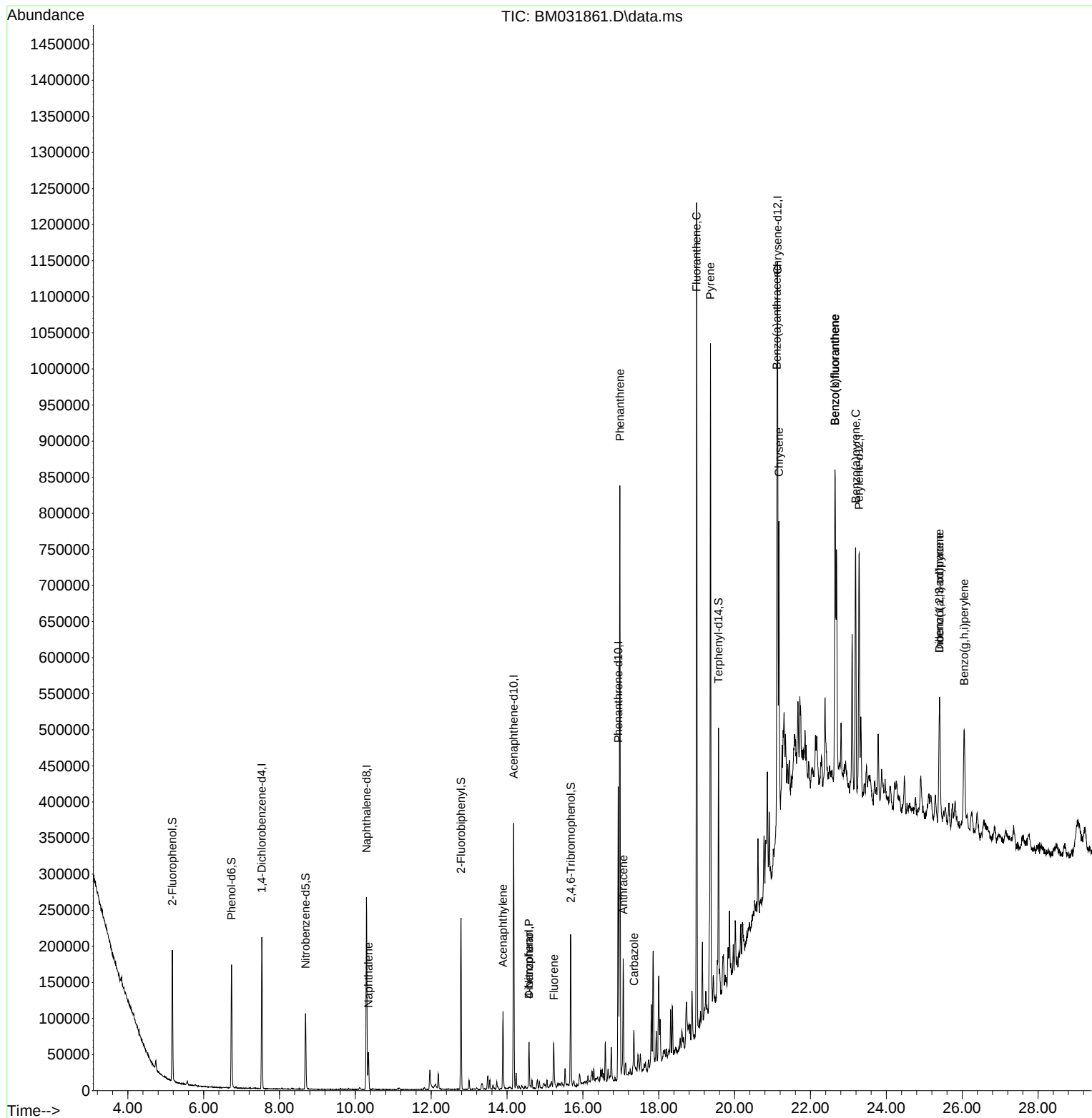
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.533	152	47509	20.000	ng	0.00
21) Naphthalene-d8	10.292	136	192016	20.000	ng	# 0.00
39) Acenaphthene-d10	14.174	164	112599	20.000	ng	0.00
64) Phenanthrene-d10	16.933	188	218016	20.000	ng	0.00
76) Chrysene-d12	21.133	240	199340	20.000	ng	0.00
86) Perylene-d12	23.280	264	202567	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	64659	21.844	ng	0.00
7) Phenol-d6	6.734	99	79844	18.615	ng	0.00
23) Nitrobenzene-d5	8.686	82	56063	12.225	ng	0.00
42) 2,4,6-Tribromophenol	15.680	330	22565	16.271	ng	0.00
45) 2-Fluorobiphenyl	12.786	172	106878	12.634	ng	0.00
79) Terphenyl-d14	19.574	244	137640	11.634	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.345	128	37602	3.420	ng	97
49) Acenaphthylene	13.892	152	67413	5.919	ng	98
55) Dibenzofuran	14.574	168	29554	2.549	ng	# 87
56) 4-Nitrophenol	14.574	139	13185	7.225	ng	# 5
58) Fluorene	15.233	166	25180	2.616	ng	96
71) Phenanthrene	16.974	178	426998	32.114	ng	100
72) Anthracene	17.062	178	89296	6.850	ng	98
73) Carbazole	17.345	167	31509	2.413	ng	# 95
75) Fluoranthene	18.997	202	584706	36.713	ng	98
78) Pyrene	19.362	202	502408	34.791	ng	99
81) Benzo(a)anthracene	21.115	228	229254	15.701	ng	94
83) Chrysene	21.168	228	192364	13.516	ng	97
87) Indeno(1,2,3-cd)pyrene	25.403	276	146133	10.237	ng	97
88) Benzo(b)fluoranthene	22.644	252	358848	23.594	ng	# 95
89) Benzo(k)fluoranthene	22.644	252	358848	24.445	ng	# 95
90) Benzo(a)pyrene	23.191	252	199591	14.822	ng	# 96
91) Dibenzo(a,h)anthracene	25.403	278	32537	2.592	ng	# 84
92) Benzo(g,h,i)perylene	26.050	276	142986	12.507	ng	96

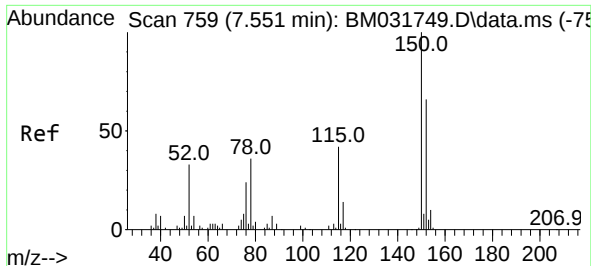
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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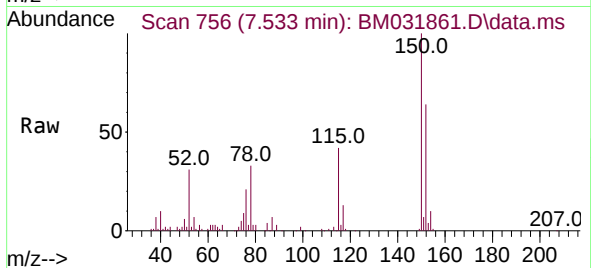
Quant Time: Aug 21 04:28:32 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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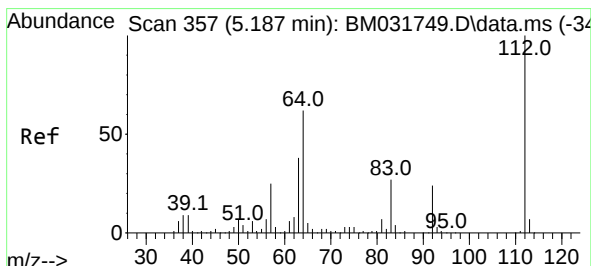
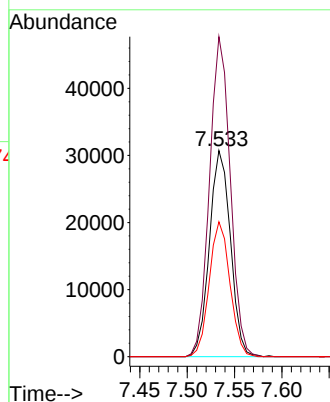
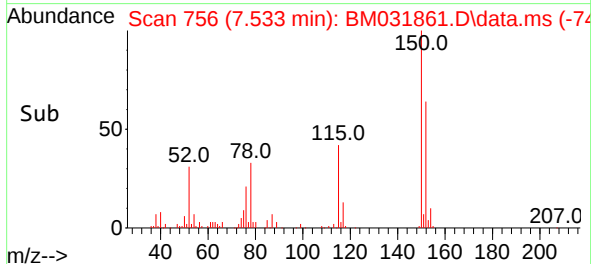


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.533 min Scan# 756
Delta R.T. -0.007 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

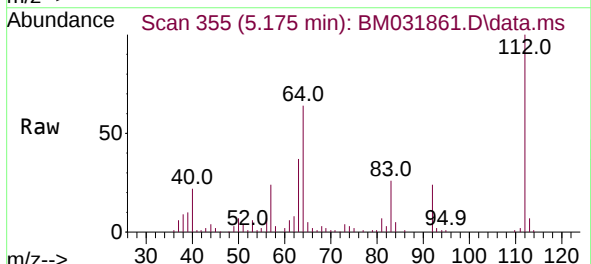
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002DL



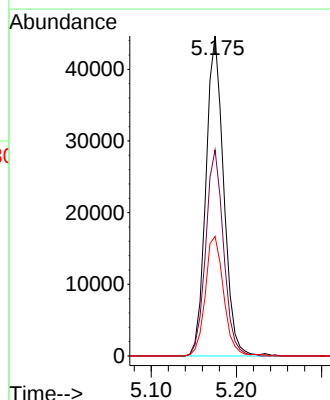
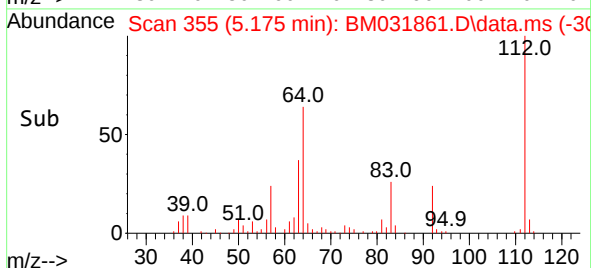
Tgt Ion:152 Resp: 47509
Ion Ratio Lower Upper
152 100
150 155.3 125.9 188.9
115 65.4 44.6 67.0

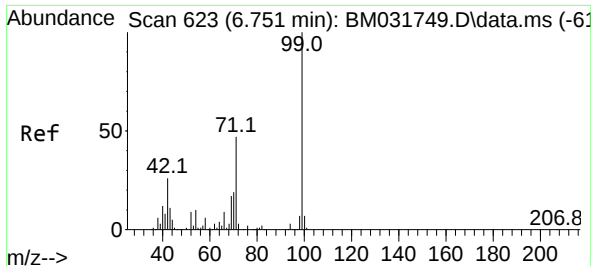


#5
2-Fluorophenol
Concen: 21.844 ng
RT: 5.175 min Scan# 355
Delta R.T. -0.000 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06



Tgt Ion:112 Resp: 64659
Ion Ratio Lower Upper
112 100
64 64.4 47.1 70.7
63 37.4 27.3 40.9

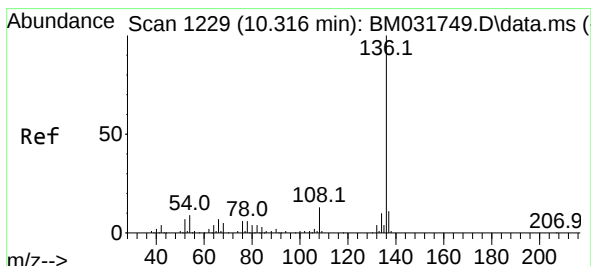
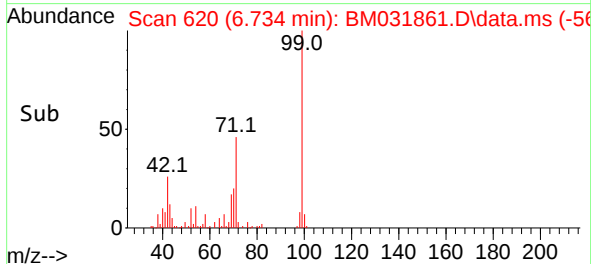
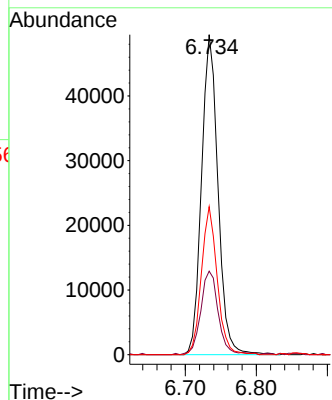
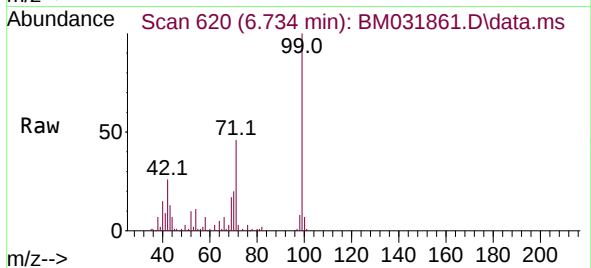




#7
Phenol-d6
Concen: 18.615 ng
RT: 6.734 min Scan# 620
Delta R.T. -0.000 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

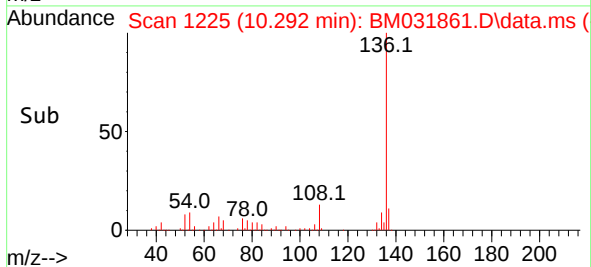
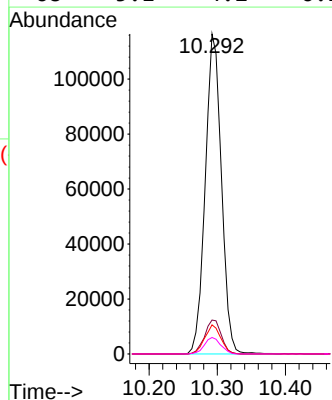
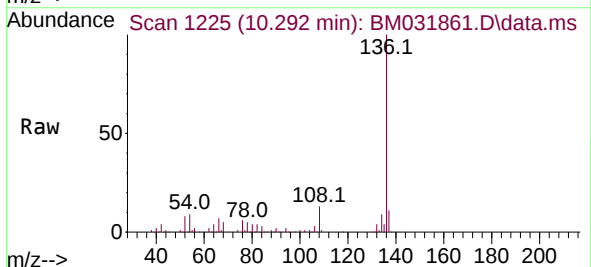
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002DL

Tgt Ion:	99	Resp:	79844
Ion	Ratio	Lower	Upper
99	100		
42	26.1	18.0	27.0
71	46.3	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: BM031861.D
Acq: 21 Aug 2021 03:06

Tgt Ion:	136	Resp:	192016
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	9.1	5.5	8.3#
68	5.1	4.2	6.2

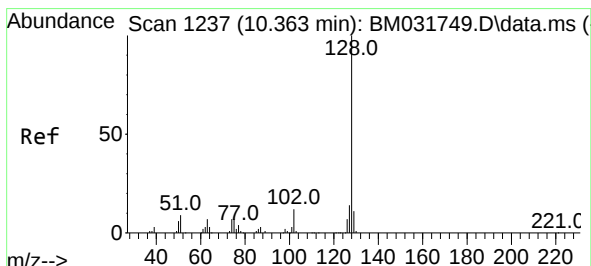
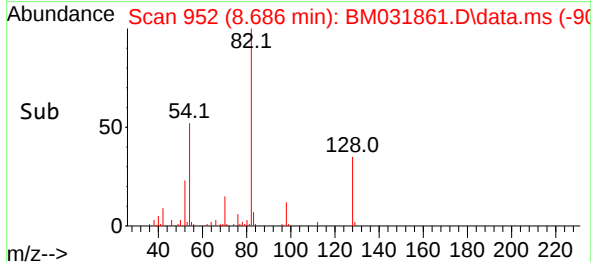
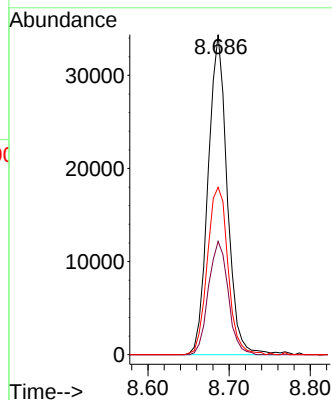
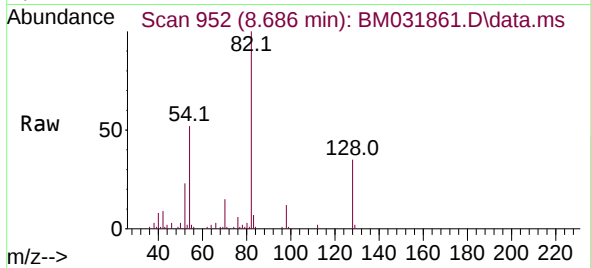




#23
Nitrobenzene-d5
Concen: 12.225 ng
RT: 8.686 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

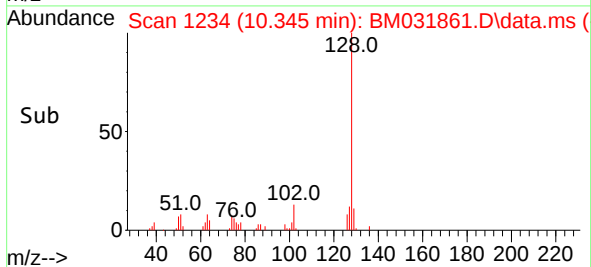
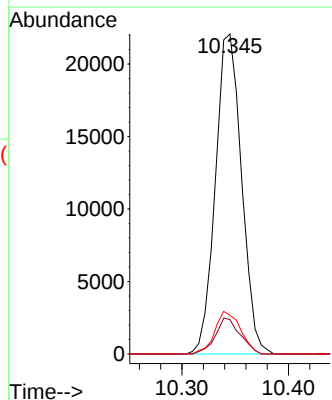
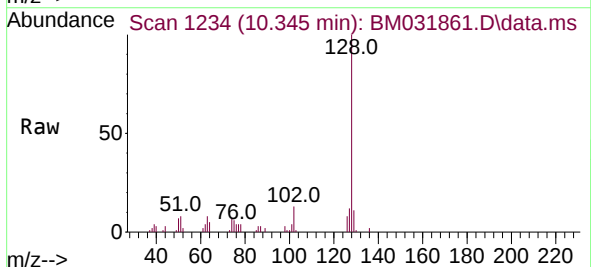
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002DL

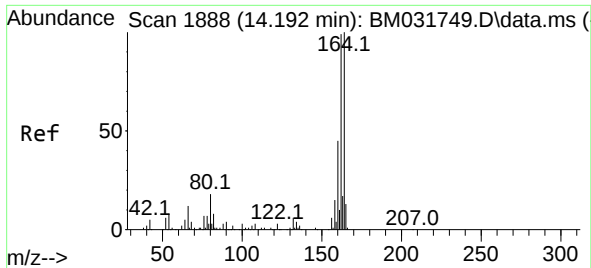
Tgt Ion: 82 Resp: 56063
Ion Ratio Lower Upper
82 100
128 35.4 31.1 46.7
54 52.3 37.3 55.9



#31
Naphthalene
Concen: 3.420 ng
RT: 10.345 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

Tgt Ion: 128 Resp: 37602
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 12.0 10.8 16.2

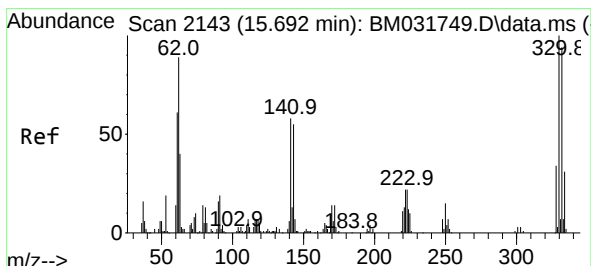
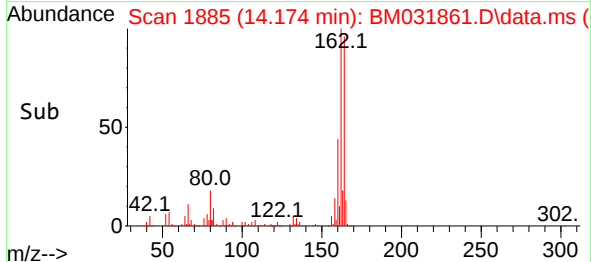
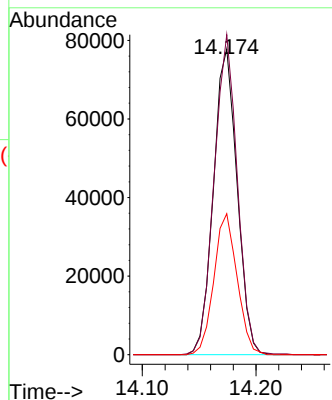
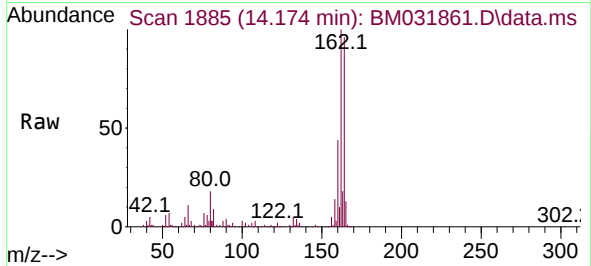




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.174 min Scan# 1885
Delta R.T. -0.006 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

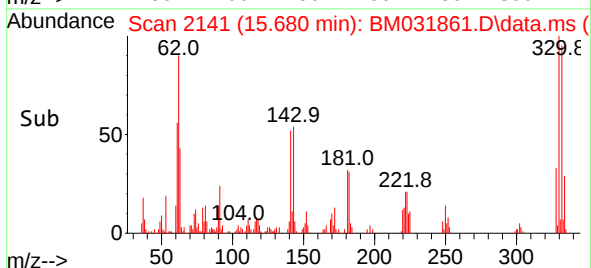
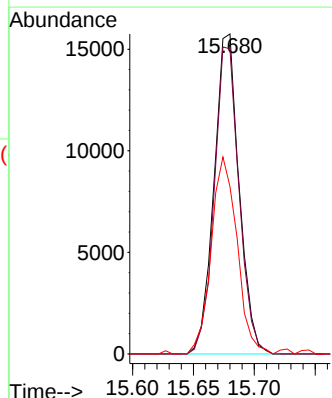
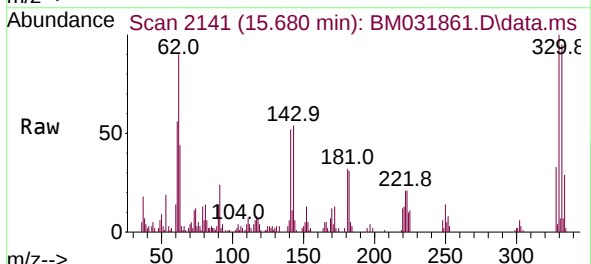
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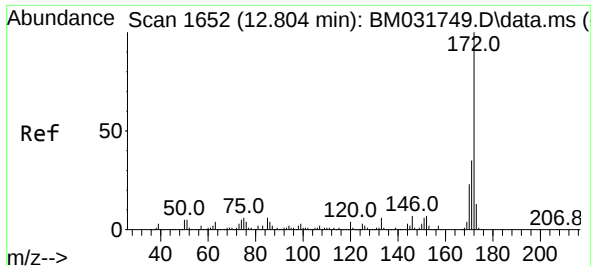
Tgt Ion:164 Resp: 112599
Ion Ratio Lower Upper
164 100
162 104.6 83.4 125.0
160 46.1 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 16.271 ng
RT: 15.680 min Scan# 2141
Delta R.T. -0.000 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

Tgt Ion:330 Resp: 22565
Ion Ratio Lower Upper
330 100
332 94.8 77.0 115.4
141 63.3 30.2 45.2#

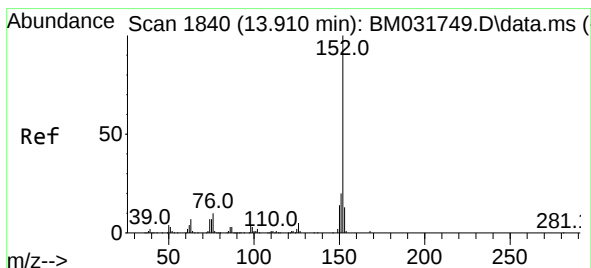
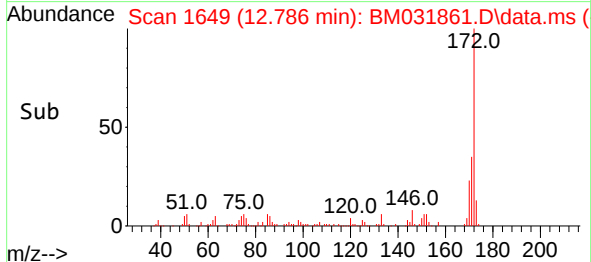
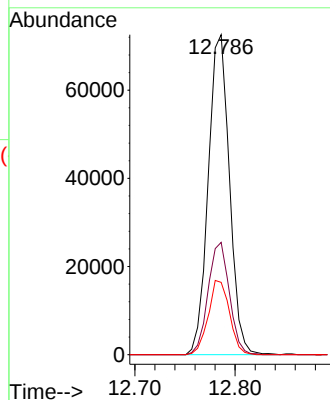
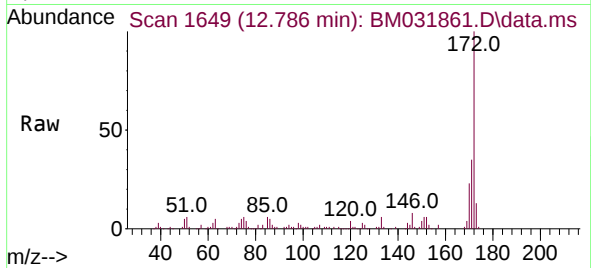




#45
2-Fluorobiphenyl
Concen: 12.634 ng
RT: 12.786 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

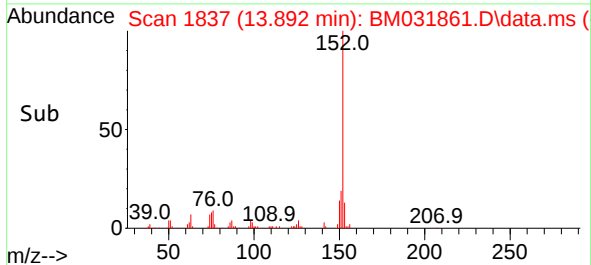
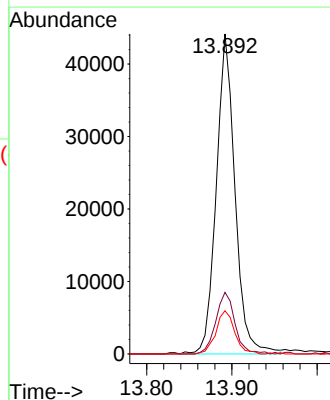
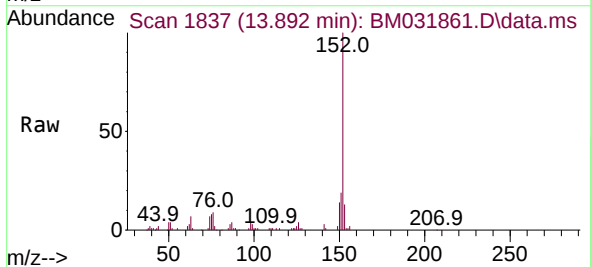
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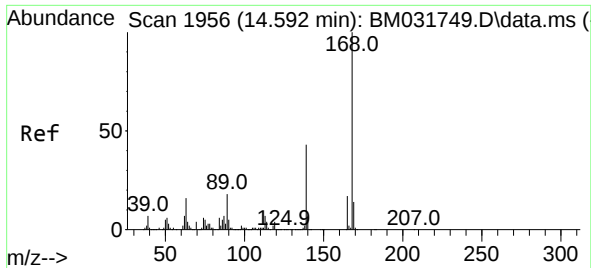
Tgt Ion:172	Resp: 106878
Ion Ratio	Lower Upper
172	100
171	35.1 28.6 43.0
170	22.6 18.4 27.6



#49
Acenaphthylene
Concen: 5.919 ng
RT: 13.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

Tgt Ion:152	Resp: 67413
Ion Ratio	Lower Upper
152	100
151	19.2 16.3 24.5
153	13.5 10.2 15.4

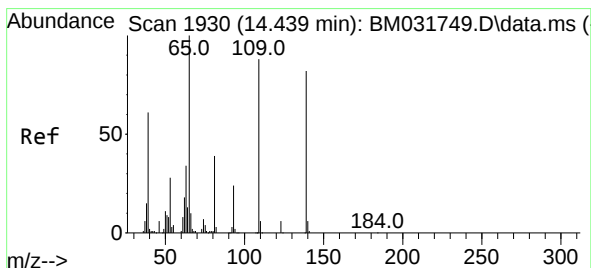
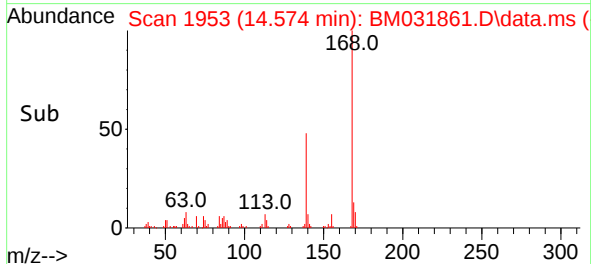
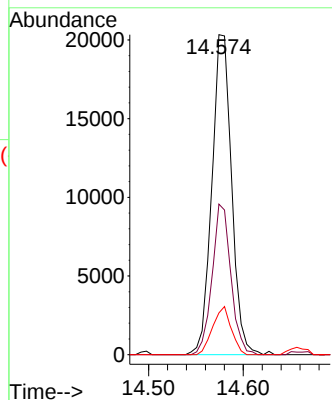
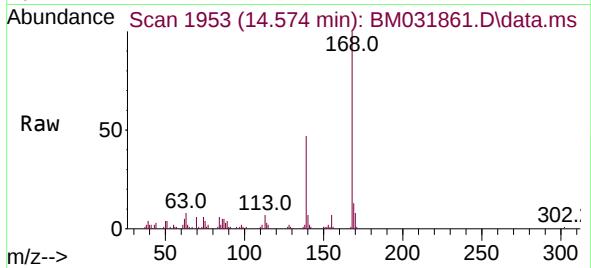




#55
Dibenzenofuran
Concen: 2.549 ng
RT: 14.574 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

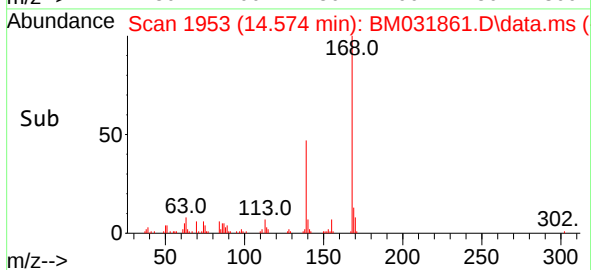
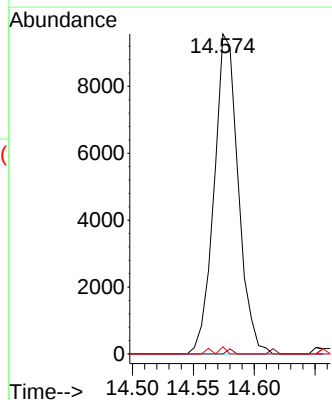
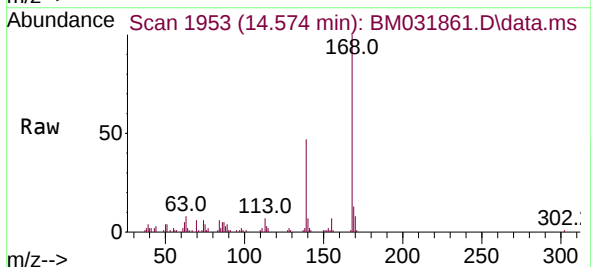
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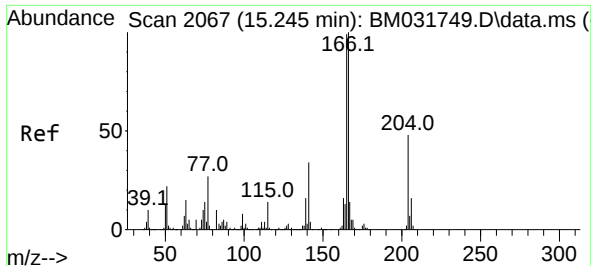
Tgt Ion:168 Resp: 29554
Ion Ratio Lower Upper
168 100
139 47.0 29.4 44.0#
169 13.0 10.8 16.2



#56
4-Nitrophenol
Concen: 7.225 ng
RT: 14.574 min Scan# 1953
Delta R.T. 0.147 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

Tgt Ion:139 Resp: 13185
Ion Ratio Lower Upper
139 100
109 0.0 64.5 104.5#
65 2.3 78.9 118.9#

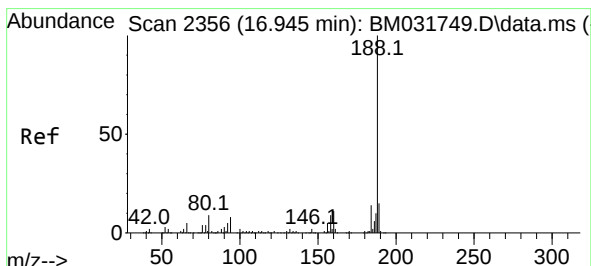
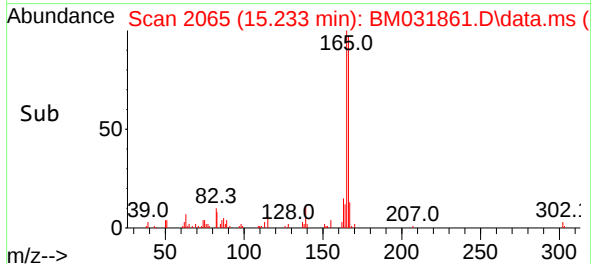
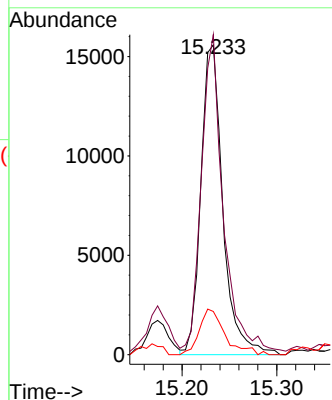
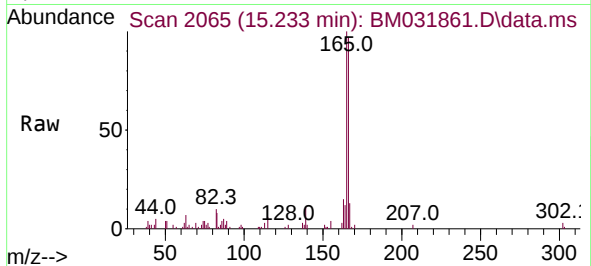




#58
Fluorene
Concen: 2.616 ng
RT: 15.233 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

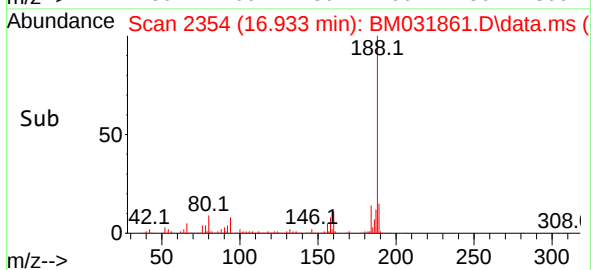
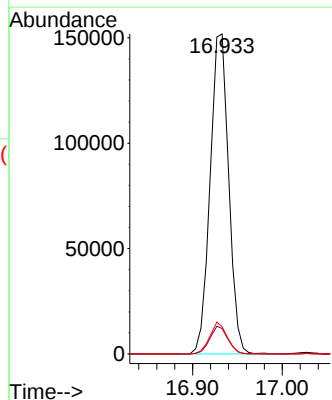
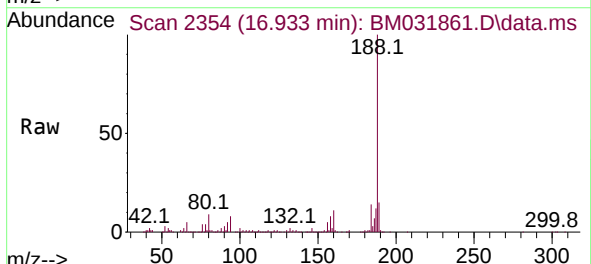
Instrument :
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ClientSampleId :
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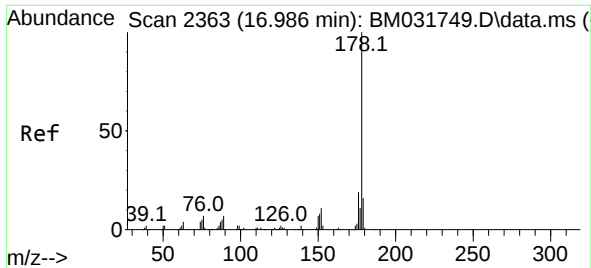
Tgt Ion:166 Resp: 25180
Ion Ratio Lower Upper
166 100
165 103.3 79.0 118.6
167 13.9 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.933 min Scan# 2354
Delta R.T. -0.000 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

Tgt Ion:188 Resp: 218016
Ion Ratio Lower Upper
188 100
94 7.9 6.0 9.0
80 8.5 6.6 9.8

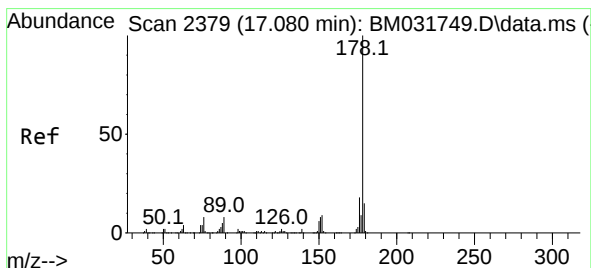
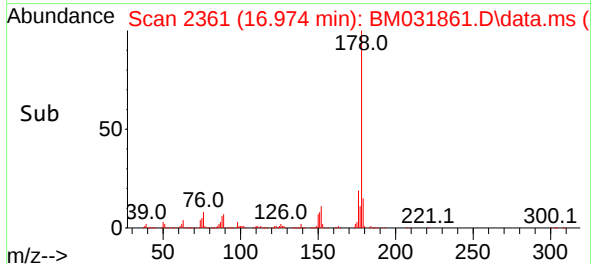
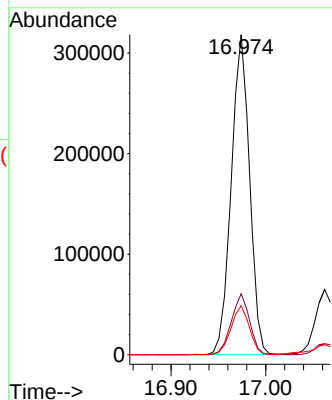
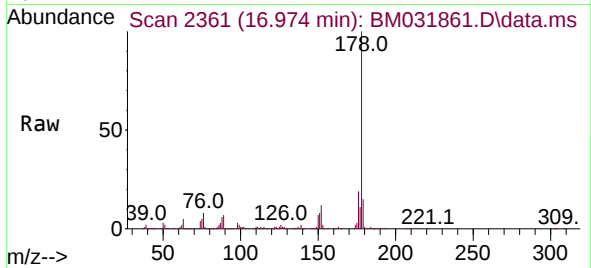




#71
Phenanthrene
Concen: 32.114 ng
RT: 16.974 min Scan# 2361
Delta R.T. -0.000 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

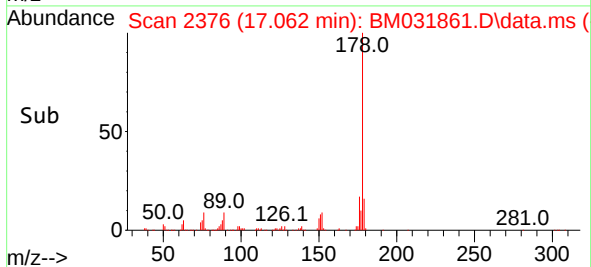
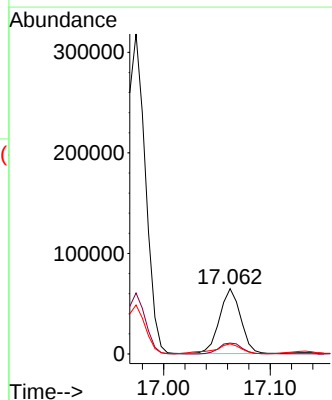
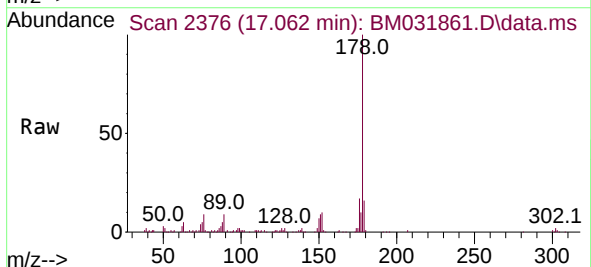
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002DL

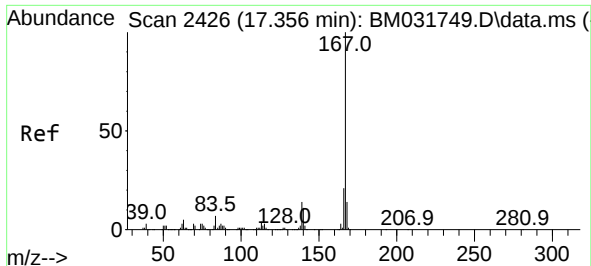
Tgt Ion:178 Resp: 426998
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.3 12.2 18.4



#72
Anthracene
Concen: 6.850 ng
RT: 17.062 min Scan# 2376
Delta R.T. -0.006 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

Tgt Ion:178 Resp: 89296
Ion Ratio Lower Upper
178 100
176 16.8 15.0 22.4
179 15.6 12.5 18.7

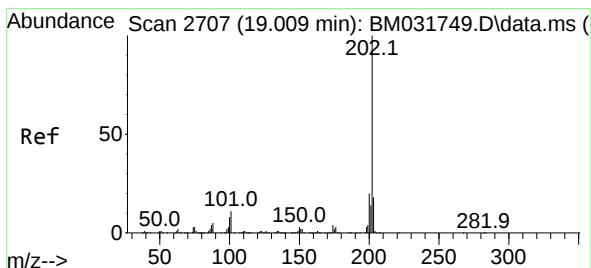
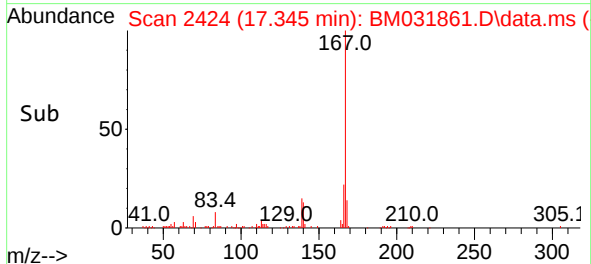
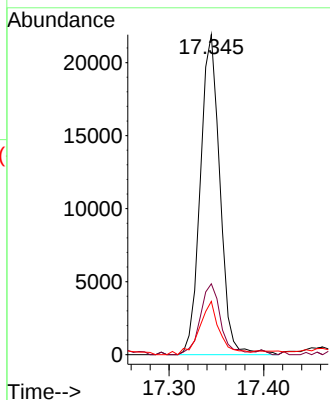
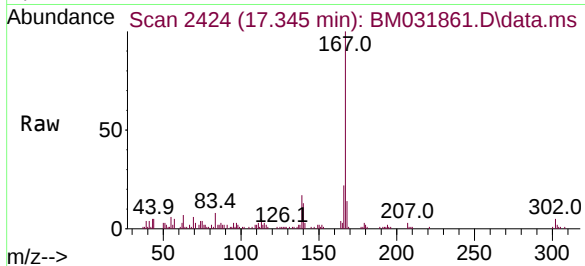




#73
 Carbazole
 Concen: 2.413 ng
 RT: 17.345 min Scan# 2424
 Delta R.T. -0.000 min
 Lab File: BM031861.D
 Acq: 21 Aug 2021 03:06

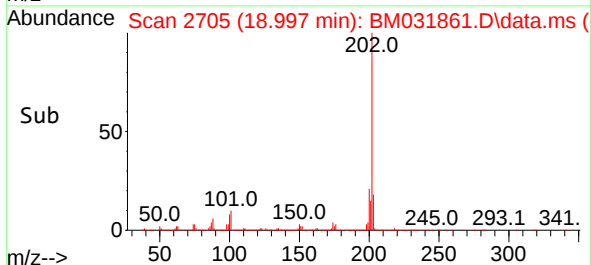
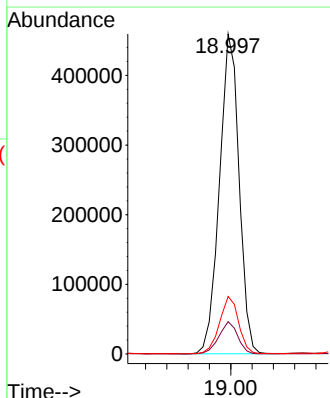
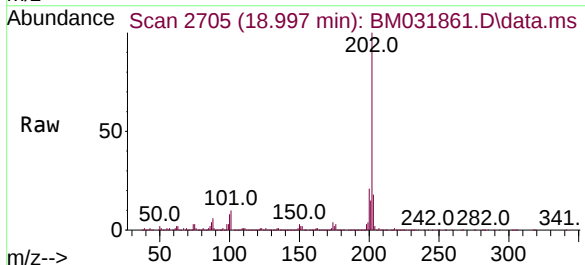
Instrument :
 BNA_M
 ClientSampleId :
 SWCS-06-0002DL

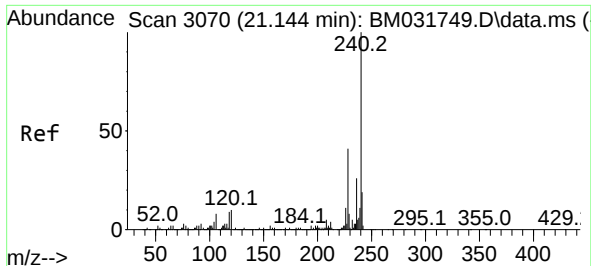
Tgt Ion:167 Resp: 31509
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 16.7 9.8 14.6#



#75
 Fluoranthene
 Concen: 36.713 ng
 RT: 18.997 min Scan# 2705
 Delta R.T. -0.000 min
 Lab File: BM031861.D
 Acq: 21 Aug 2021 03:06

Tgt Ion:202 Resp: 584706
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 28.6
 203 18.0 0.0 37.3

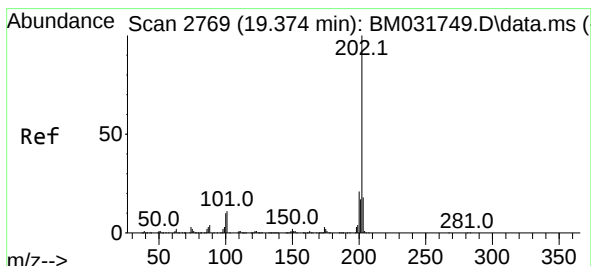
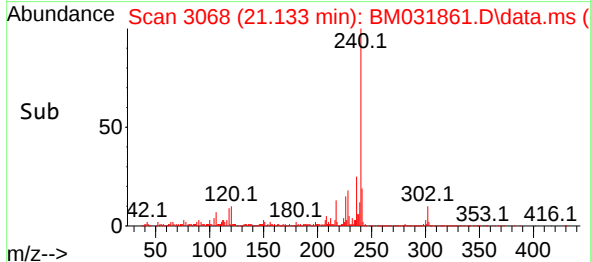
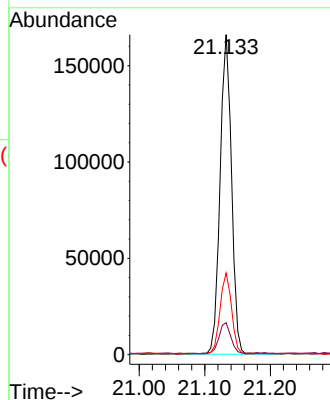
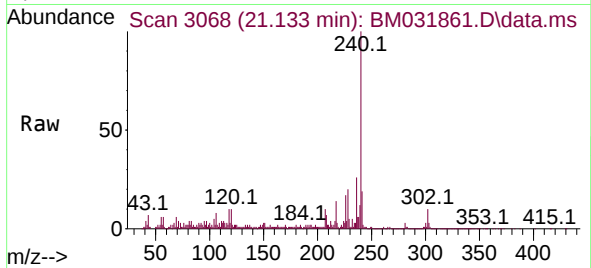




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.133 min Scan# 3068
Delta R.T. -0.000 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

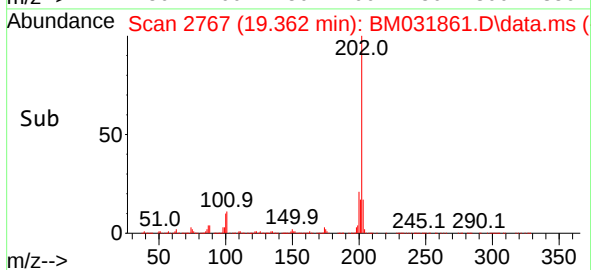
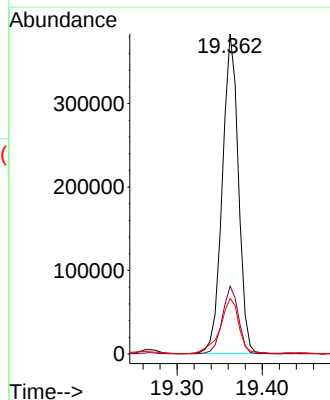
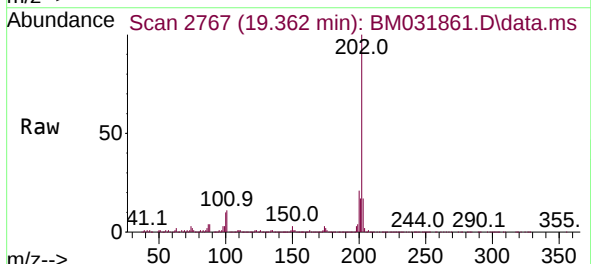
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002DL

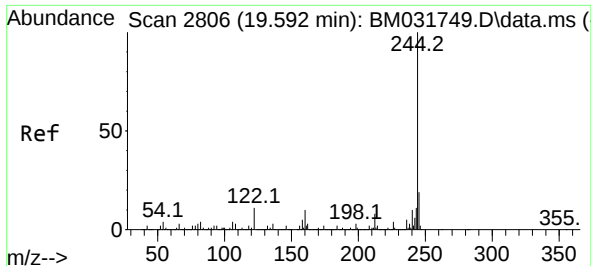
Tgt Ion:240 Resp: 199340
Ion Ratio Lower Upper
240 100
120 10.0 7.0 10.6
236 25.6 21.0 31.4



#78
Pyrene
Concen: 34.791 ng
RT: 19.362 min Scan# 2767
Delta R.T. -0.000 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

Tgt Ion:202 Resp: 502408
Ion Ratio Lower Upper
202 100
200 21.2 17.3 25.9
203 17.3 13.9 20.9

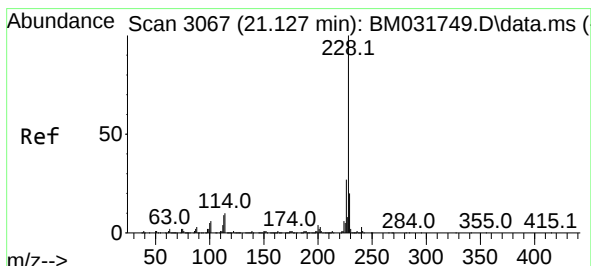
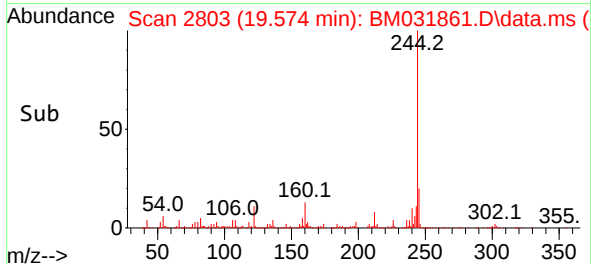
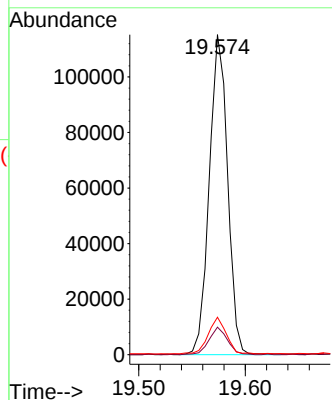
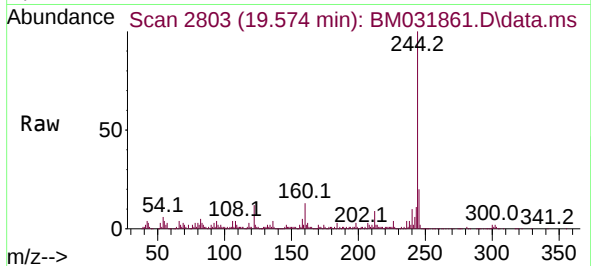




#79
 Terphenyl-d14
 Concen: 11.634 ng
 RT: 19.574 min Scan# 2803
 Delta R.T. -0.006 min
 Lab File: BM031861.D
 Acq: 21 Aug 2021 03:06

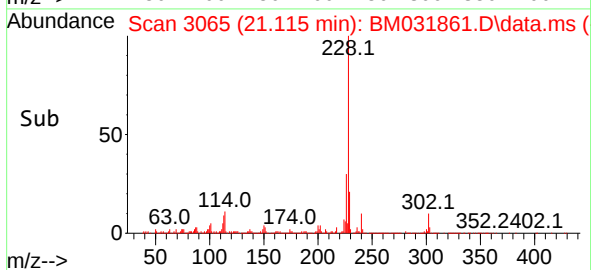
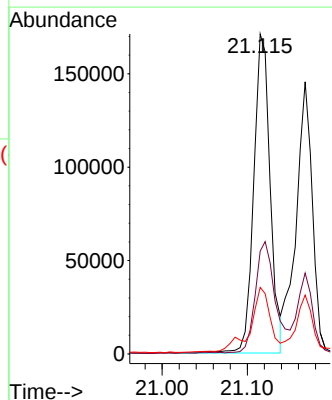
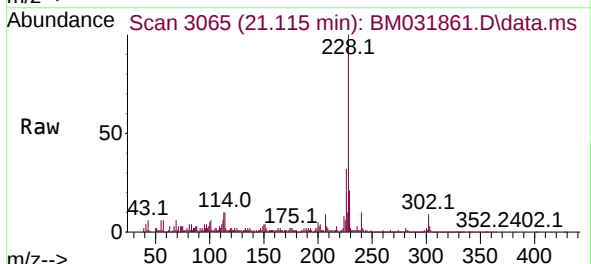
Instrument :
 BNA_M
 ClientSampleId :
 SWCS-06-0002DL

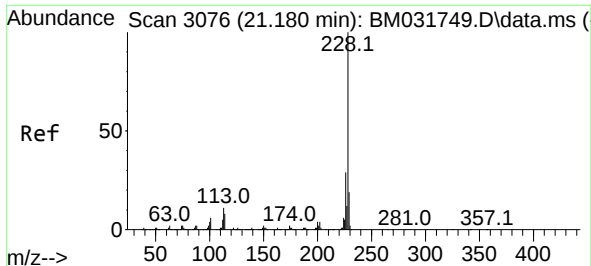
Tgt Ion:244 Resp: 137640
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.3 9.5
 122 11.7 6.9 10.3#



#81
 Benzo(a)anthracene
 Concen: 15.701 ng
 RT: 21.115 min Scan# 3065
 Delta R.T. -0.006 min
 Lab File: BM031861.D
 Acq: 21 Aug 2021 03:06

Tgt Ion:228 Resp: 229254
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.3 33.5
 229 20.8 15.7 23.5

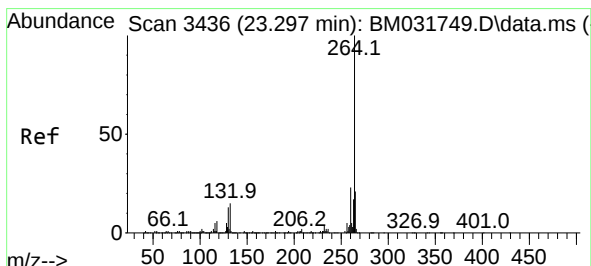
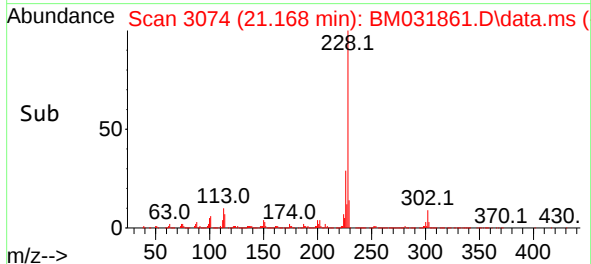
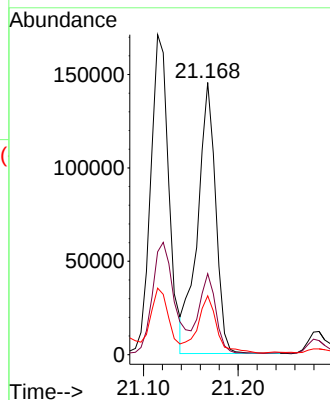
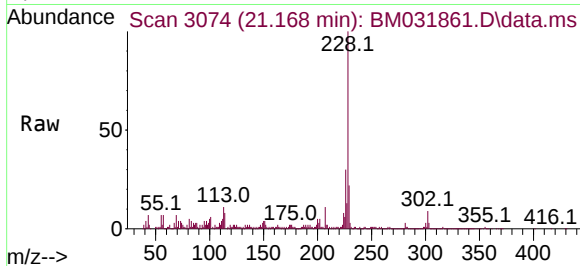




#83
Chrysene
Concen: 13.516 ng
RT: 21.168 min Scan# 3074
Delta R.T. -0.006 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

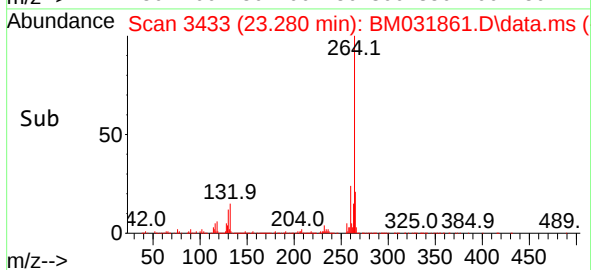
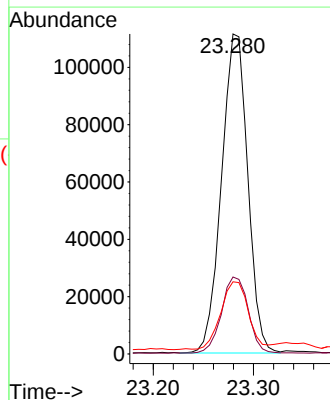
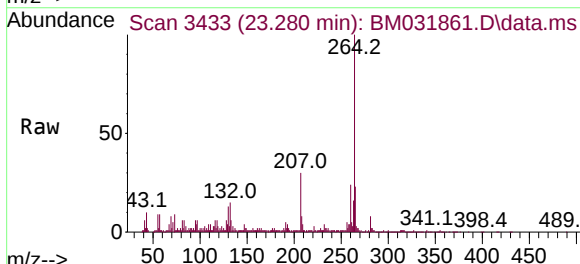
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002DL

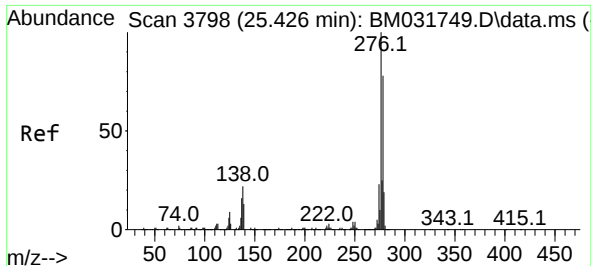
Tgt Ion:228	Resp: 192364
Ion Ratio	Lower Upper
228	100
226	29.8 24.6 36.8
229	21.7 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.280 min Scan# 3433
Delta R.T. -0.000 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

Tgt Ion:264	Resp: 202567
Ion Ratio	Lower Upper
264	100
260	24.1 19.8 29.8
265	22.6 17.7 26.5

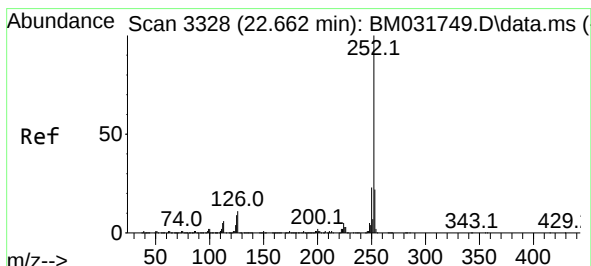
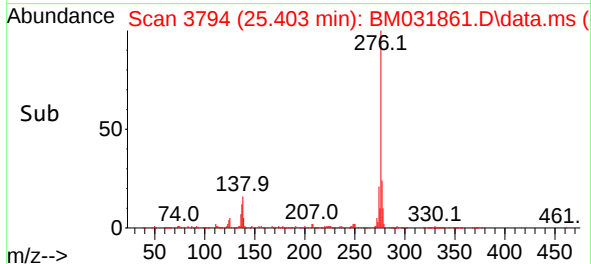
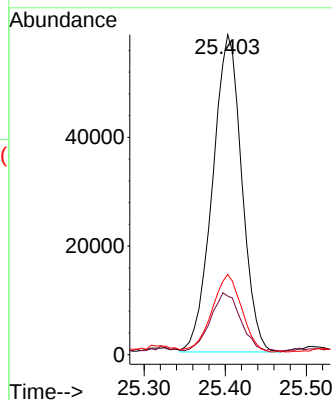
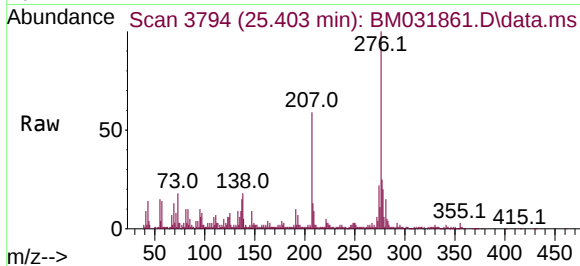




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.237 ng
RT: 25.403 min Scan# 3794
Delta R.T. -0.006 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

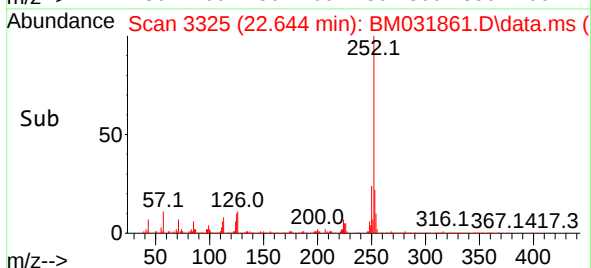
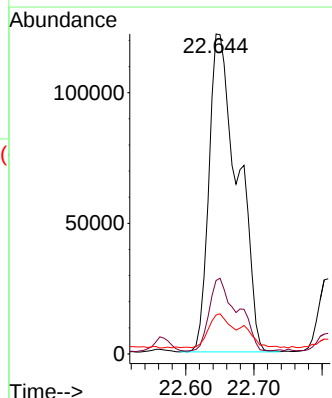
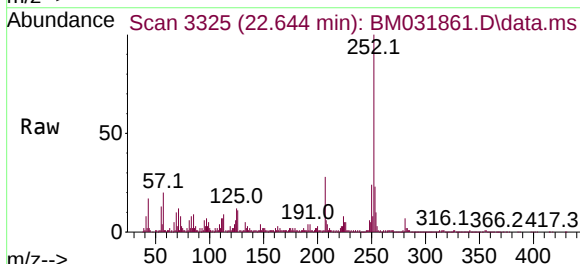
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002DL

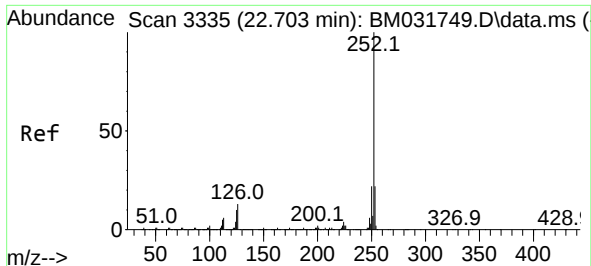
Tgt Ion:276 Resp: 146133
Ion Ratio Lower Upper
276 100
138 18.8 17.1 25.7
277 24.7 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 23.594 ng
RT: 22.644 min Scan# 3325
Delta R.T. -0.000 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

Tgt Ion:252 Resp: 358848
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 12.1 6.8 10.2#

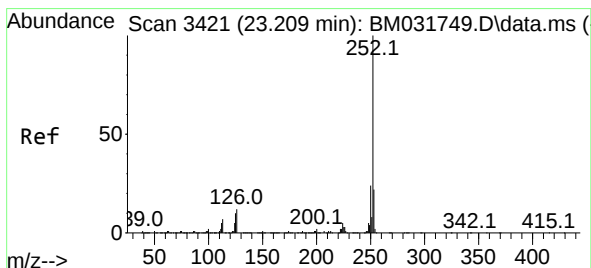
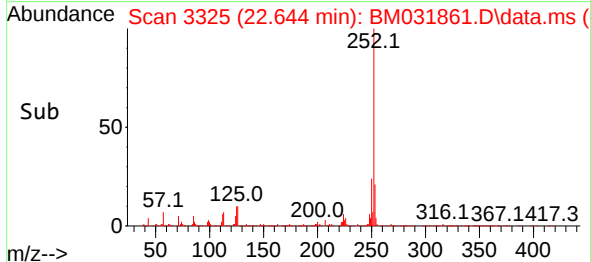
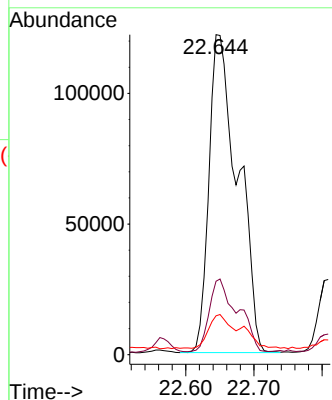
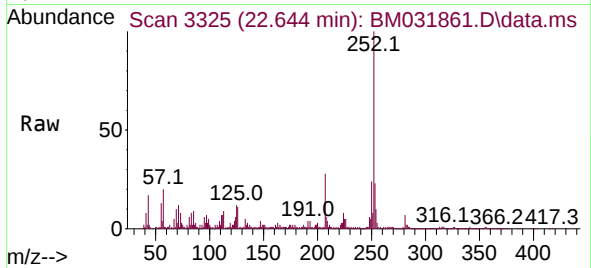




#89
Benzo(k)fluoranthene
Concen: 24.445 ng
RT: 22.644 min Scan# 3325
Delta R.T. -0.047 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

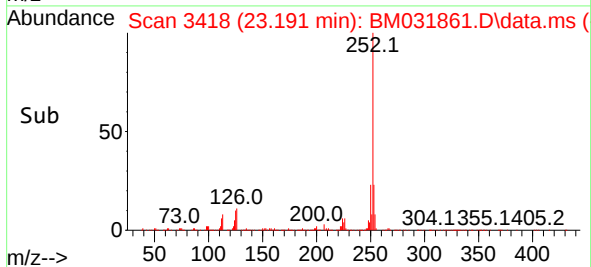
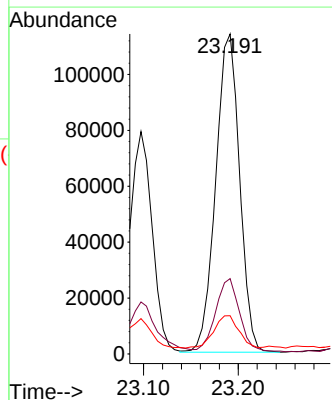
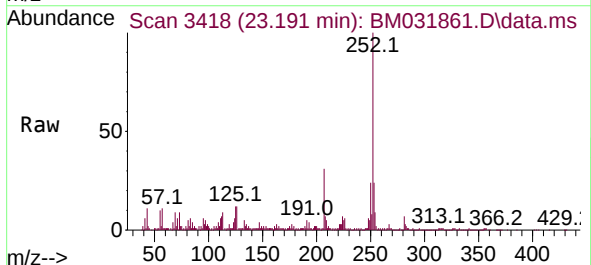
Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002DL

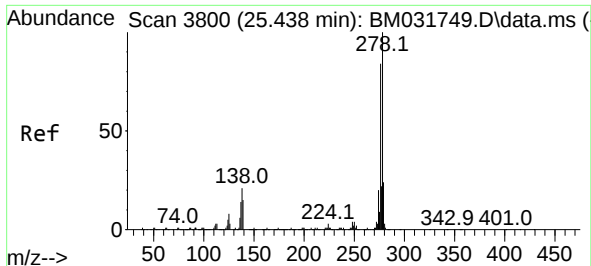
Tgt Ion:252 Resp: 358848
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 12.1 6.2 9.2#



#90
Benzo(a)pyrene
Concen: 14.822 ng
RT: 23.191 min Scan# 3418
Delta R.T. -0.000 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

Tgt Ion:252 Resp: 199591
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 12.0 7.3 10.9#

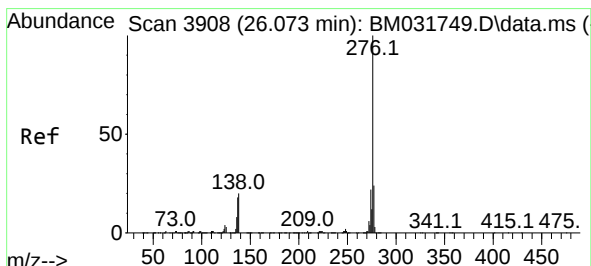
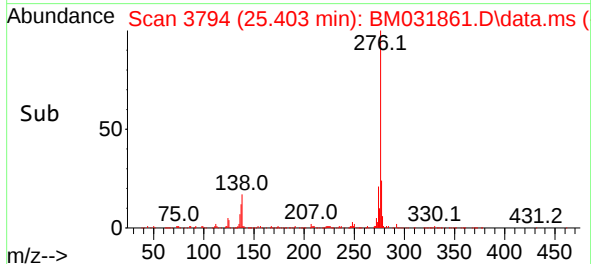
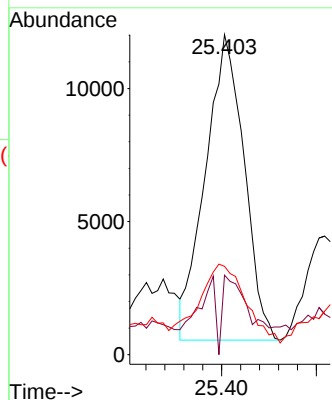
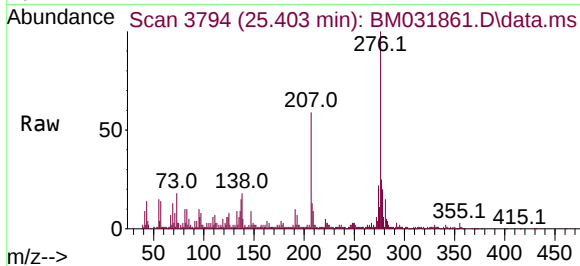




#91
Dibenzo(a,h)anthracene
Concen: 2.592 ng
RT: 25.403 min Scan# 3794
Delta R.T. -0.018 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

Instrument :
BNA_M
ClientSampleId :
SWCS-06-0002DL

Tgt Ion:278 Resp: 32537
Ion Ratio Lower Upper
278 100
139 24.9 11.0 16.4#
279 27.6 18.7 28.1



#92
Benzo(g,h,i)perylene
Concen: 12.507 ng
RT: 26.050 min Scan# 3904
Delta R.T. -0.000 min
Lab File: BM031861.D
Acq: 21 Aug 2021 03:06

Tgt Ion:276 Resp: 142986
Ion Ratio Lower Upper
276 100
277 25.9 19.4 29.2
138 20.2 14.4 21.6

