

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082021\
 Data File : BM031860.D
 Acq On : 21 Aug 2021 02:30
 Operator : CG/JU
 Sample : M3435-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-17-0003

Manual Integrations
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Quant Time: Aug 21 04:28:14 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 18 14:13:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.534	152	42482	20.000	ng	0.00
21) Naphthalene-d8	10.292	136	171677	20.000	ng	# 0.00
39) Acenaphthene-d10	14.175	164	102125	20.000	ng	0.00
64) Phenanthrene-d10	16.933	188	199357	20.000	ng	# 0.00
76) Chrysene-d12	21.145	240	224873	20.000	ng	# 0.01
86) Perylene-d12	23.303	264	214387	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	305317	115.351	ng	0.00
7) Phenol-d6	6.734	99	381711	99.524	ng	0.00
23) Nitrobenzene-d5	8.687	82	280846	68.497	ng	0.00
42) 2,4,6-Tribromophenol	15.680	330	113930	90.578	ng	0.00
45) 2-Fluorobiphenyl	12.786	172	496194	64.670	ng	0.00
79) Terphenyl-d14	19.580	244	655548	49.117	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.310	107	17048	4.501	ng	79
31) Naphthalene	10.345	128	195897	19.930	ng	98
37) 2-Methylnaphthalene	11.963	142	105312	14.318	ng	95
38) 1-Methylnaphthalene	12.186	142	52028	7.406	ng	# 98
46) 1,1'-Biphenyl	12.998	154	27837	3.464	ng	96
49) Acenaphthylene	13.892	152	218210	21.125	ng	98
52) Acenaphthene	14.233	154	96287	15.302	ng	97
55) Dibenzofuran	14.575	168	122005	11.603	ng	# 89
58) Fluorene	15.227	166	180780	20.710	ng	99
71) Phenanthrene	16.980	178	1884987	155.035	ng	99
72) Anthracene	17.068	178	571297	47.930	ng	99
73) Carbazole	17.345	167	179098	14.999	ng	# 96
74) Di-n-butylphthalate	17.915	149	29929	2.012	ng	# 88
75) Fluoranthene	19.015	202	2931461	201.291	ng	98
78) Pyrene	19.374	202	2476439	152.016	ng	99
81) Benzo(a)anthracene	21.127	228	1272668	77.265	ng	95
83) Chrysene	21.180	228	1182994	73.681	ng	96
84) Bis(2-ethylhexyl)phtha...	21.068	149	191569	15.877	ng	96
87) Indeno(1,2,3-cd)pyrene	25.444	276	634900	42.024	ng	99
88) Benzo(b)fluoranthene	22.674	252	1555993m	96.666	ng	
89) Benzo(k)fluoranthene	22.703	252	446150m	28.717	ng	
90) Benzo(a)pyrene	23.221	252	1071242	75.166	ng	# 96
91) Dibenzo(a,h)anthracene	25.444	278	163857	12.332	ng	# 81
92) Benzo(g,h,i)perylene	26.103	276	615962	50.908	ng	96

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

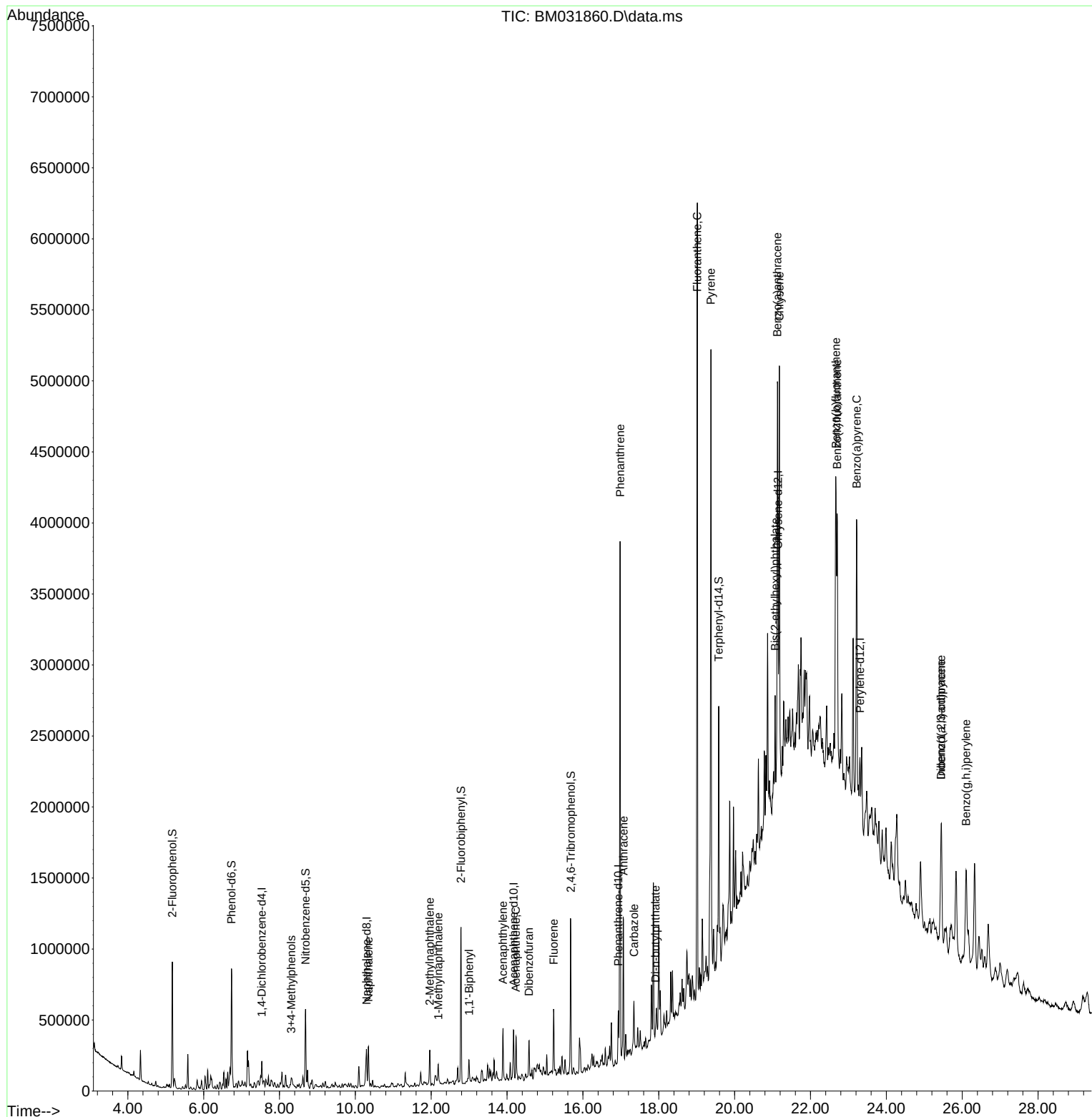
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082021\
Data File : BM031860.D
Acq On : 21 Aug 2021 02:30
Operator : CG/JU
Sample : M3435-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

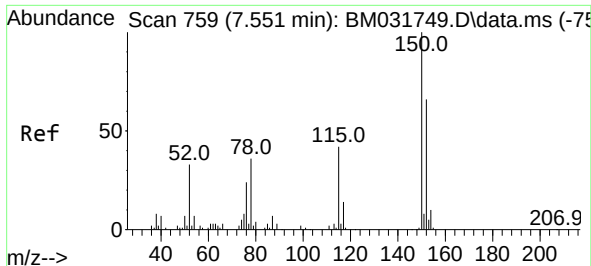
Instrument :
BNA_M
ClientSampleId :
SWCS-17-0003

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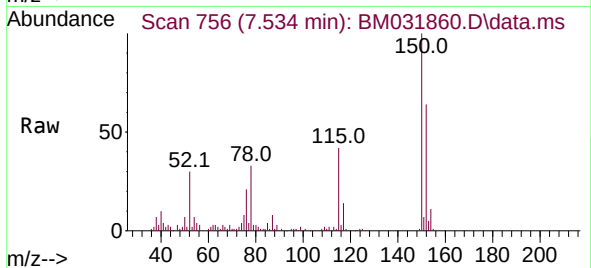
Quant Time: Aug 21 04:28:14 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 18 14:13:35 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

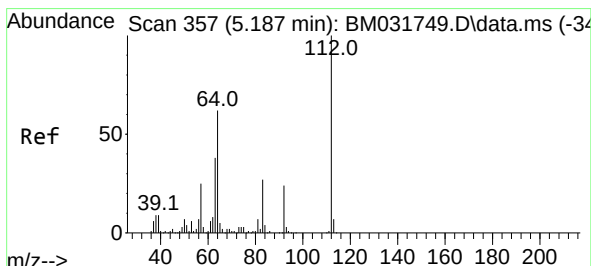
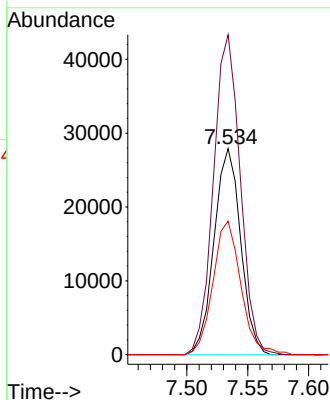
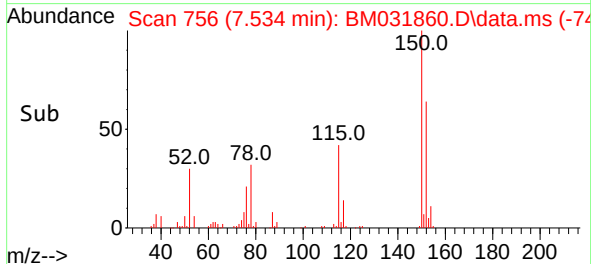
Instrument :
BNA_M
ClientSampleId :
SWCS-17-0003



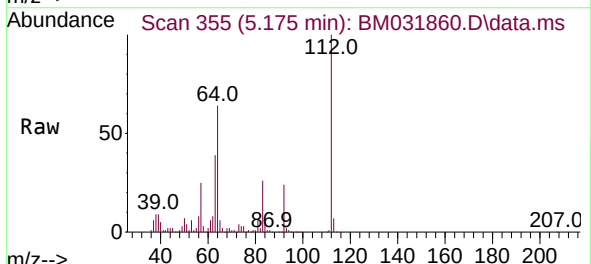
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.9	188.9
115	64.9	44.6	67.0

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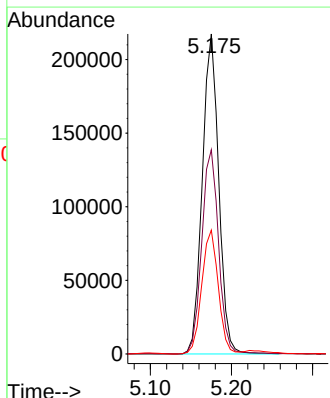
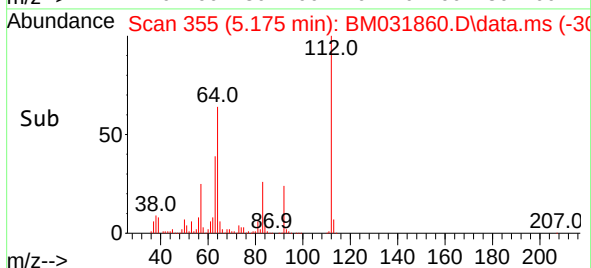
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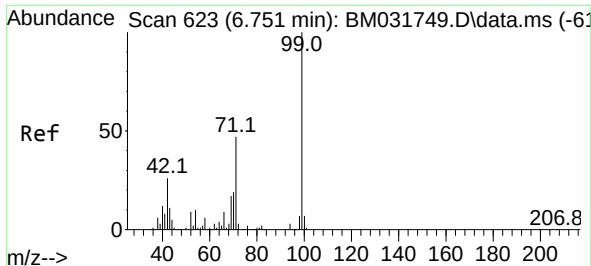


#5
2-Fluorophenol
Concen: 115.351 ng
RT: 5.175 min Scan# 355
Delta R.T. 0.000 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30



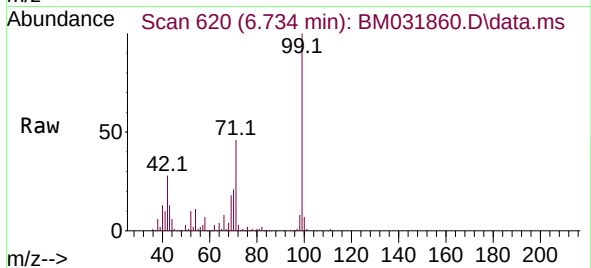
Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	47.1	70.7
63	38.7	27.3	40.9





#7
Phenol-d6
Concen: 99.524 ng
RT: 6.734 min Scan# 620
Delta R.T. 0.000 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

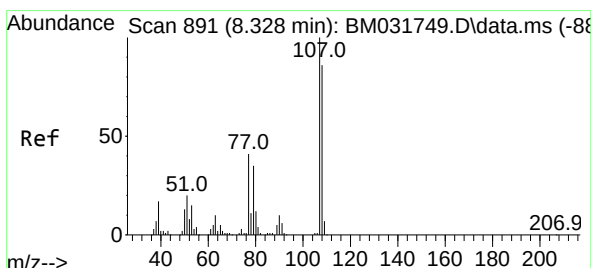
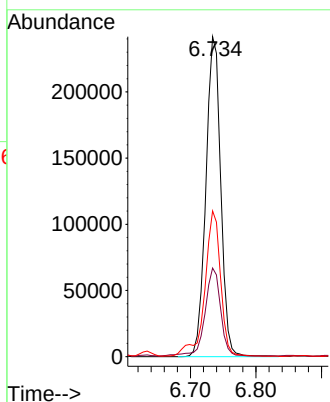
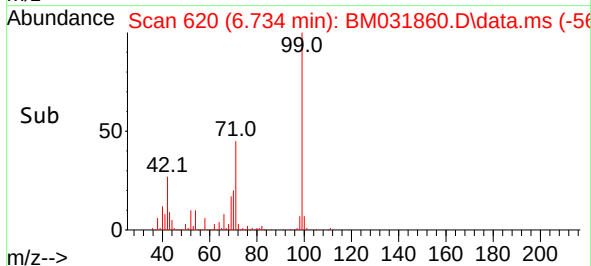
Instrument :
BNA_M
ClientSampleId :
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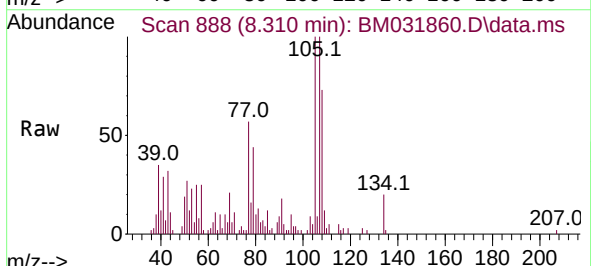
Tgt Ion: 99 Resp: 381711
Ion Ratio Lower Upper
99 100
42 27.7 18.0 27.0#
71 45.6 30.9 46.3

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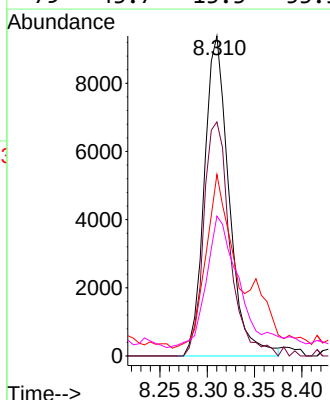
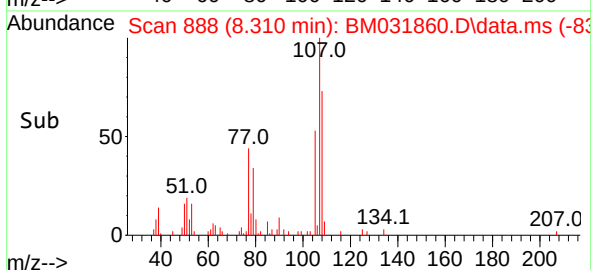
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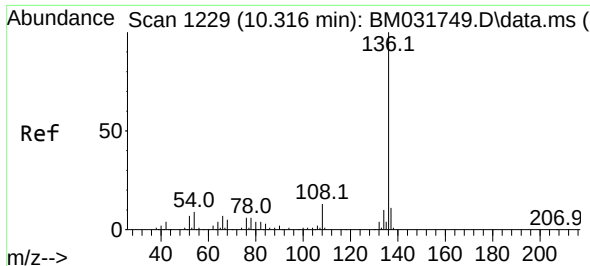


#20
3+4-Methylphenols
Concen: 4.501 ng
RT: 8.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30



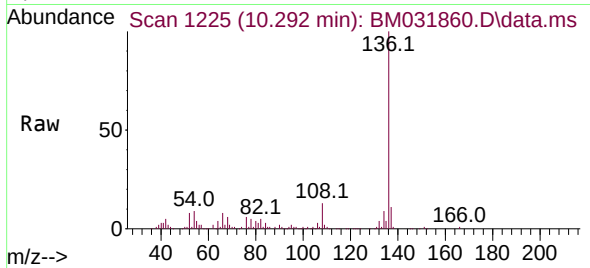
Tgt Ion: 107 Resp: 17048
Ion Ratio Lower Upper
107 100
108 73.2 69.9 109.9
77 56.7 17.3 57.3
79 43.7 13.3 53.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.292 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

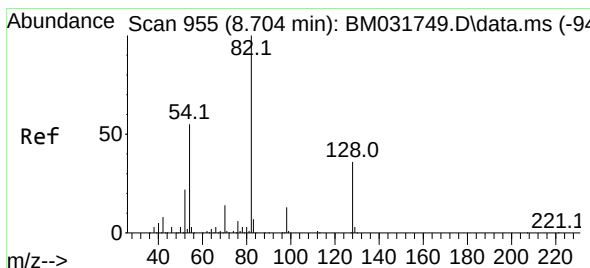
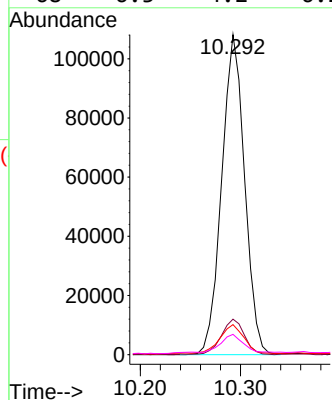
Instrument :
BNA_M
ClientSampleId :
SWCS-17-0003



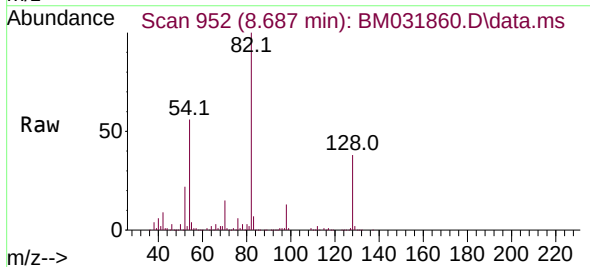
Tgt Ion:136 Resp: 171677
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 9.4 5.5 8.3#
68 6.3 4.2 6.2#

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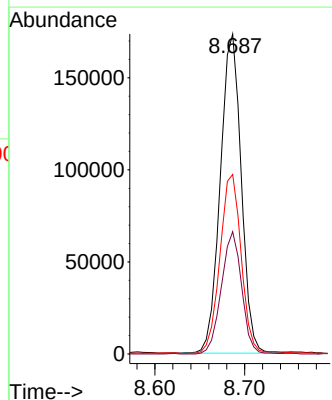
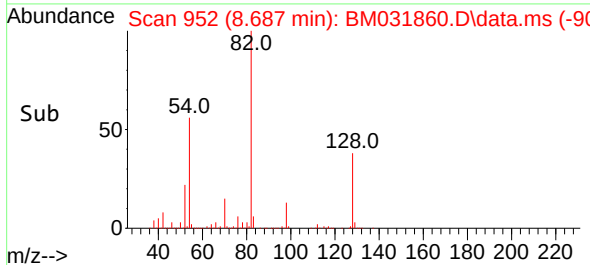
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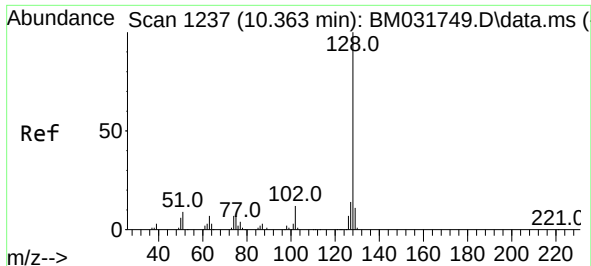


#23
Nitrobenzene-d5
Concen: 68.497 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30



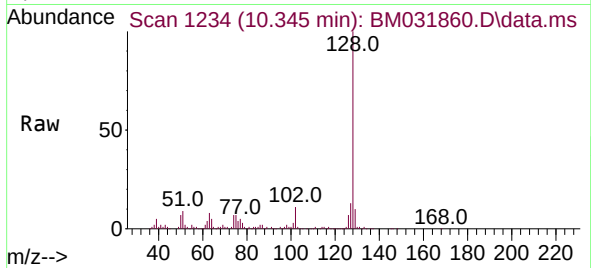
Tgt Ion: 82 Resp: 280846
Ion Ratio Lower Upper
82 100
128 38.2 31.1 46.7
54 56.1 37.3 55.9#





#31
Naphthalene
Concen: 19.930 ng
RT: 10.345 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

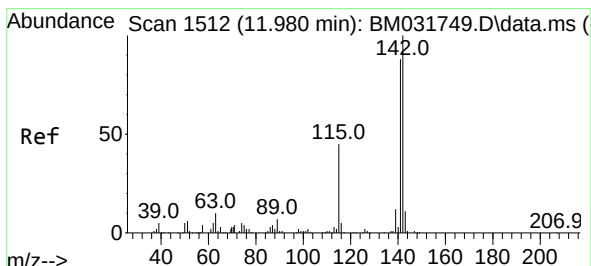
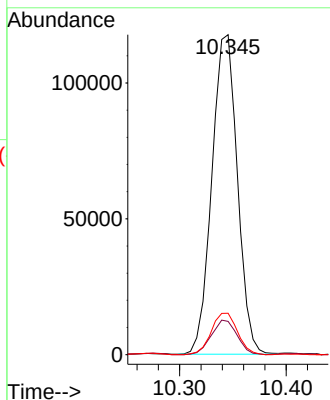
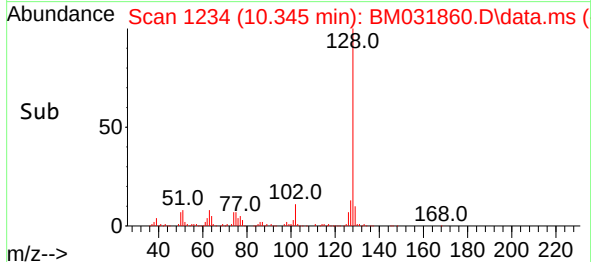
Instrument :
BNA_M
ClientSampleId :
SWCS-17-0003



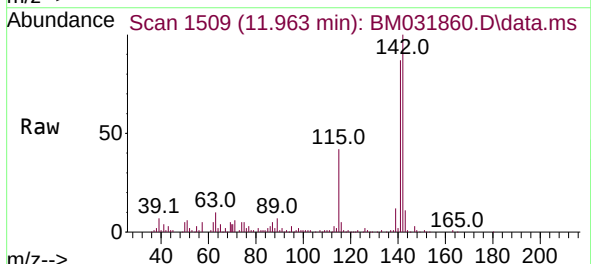
Tgt Ion:128 Resp: 195897
Ion Ratio Lower Upper
128 100
129 10.4 9.0 13.6
127 13.0 10.8 16.2

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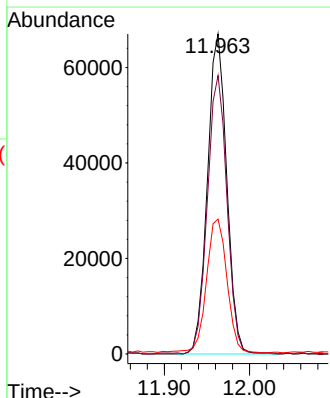
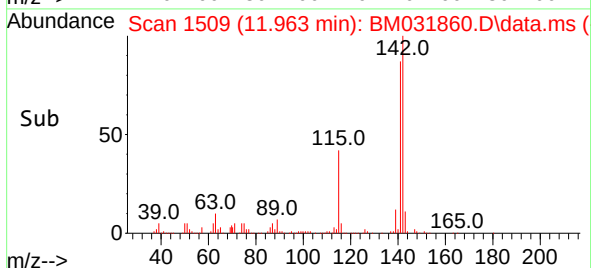
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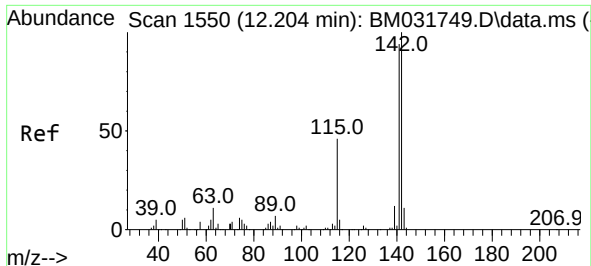


#37
2-Methylnaphthalene
Concen: 14.318 ng
RT: 11.963 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30



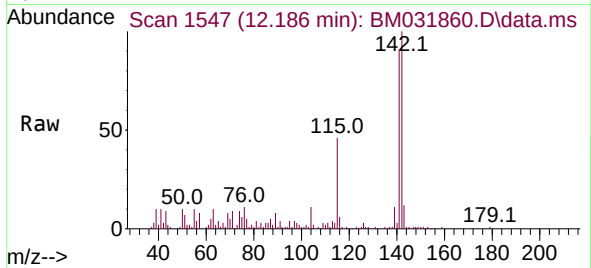
Tgt Ion:142 Resp: 105312
Ion Ratio Lower Upper
142 100
141 87.0 71.7 107.5
115 42.2 29.1 43.7





#38
1-Methylnaphthalene
Concen: 7.406 ng
RT: 12.186 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

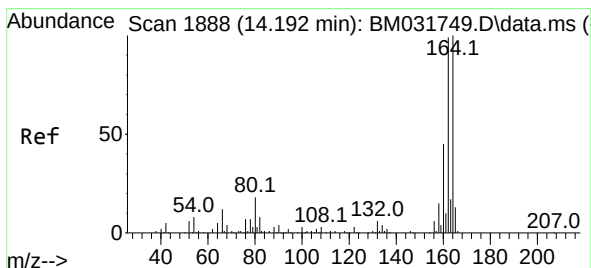
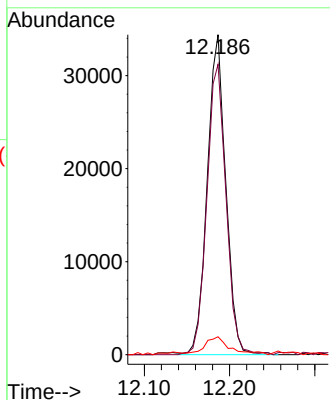
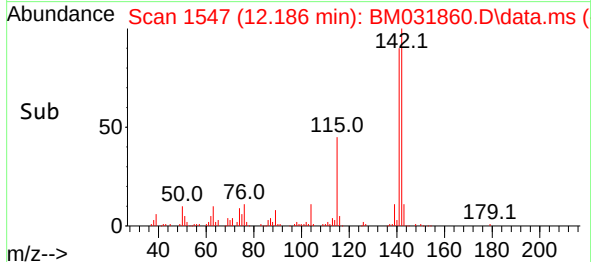
Instrument :
BNA_M
ClientSampleId :
SWCS-17-0003



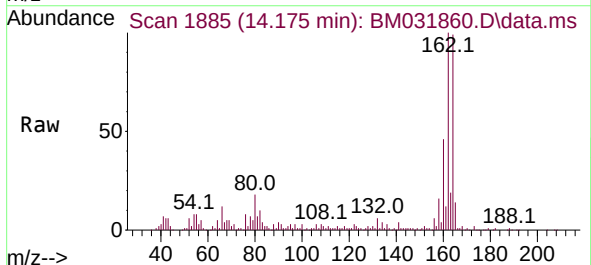
Tgt Ion:142 Resp: 52028
Ion Ratio Lower Upper
142 100
141 90.8 74.2 111.4
116 5.6 3.0 4.6#

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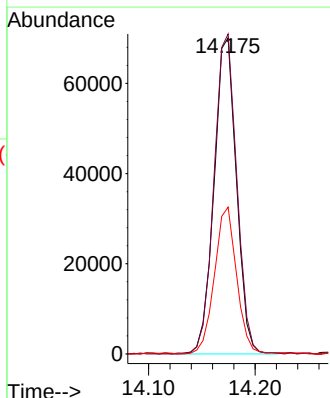
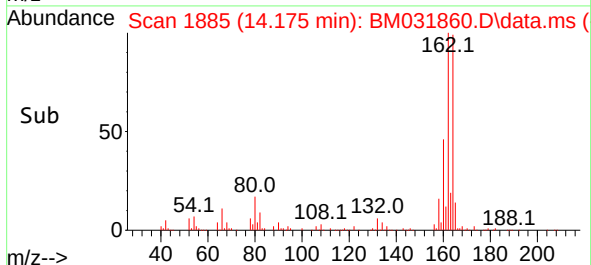
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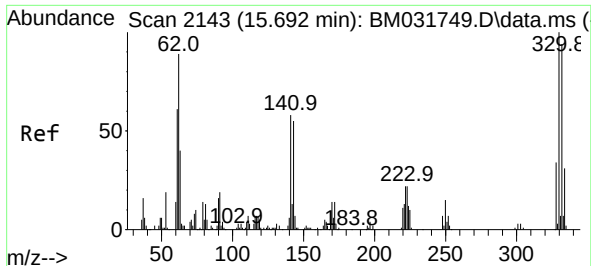


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.175 min Scan# 1885
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30



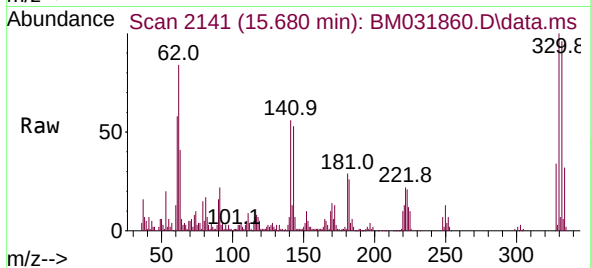
Tgt Ion:164 Resp: 102125
Ion Ratio Lower Upper
164 100
162 101.2 83.4 125.0
160 46.5 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 90.578 ng
RT: 15.680 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

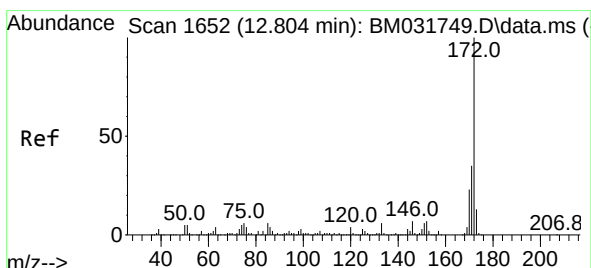
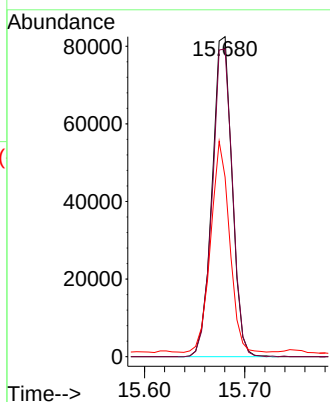
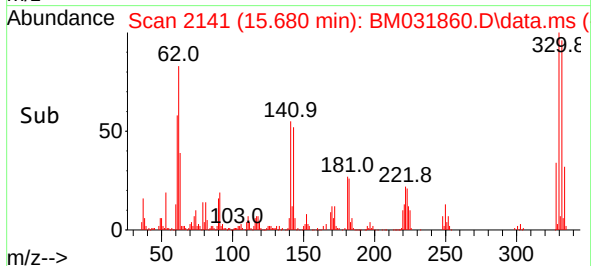
Instrument :
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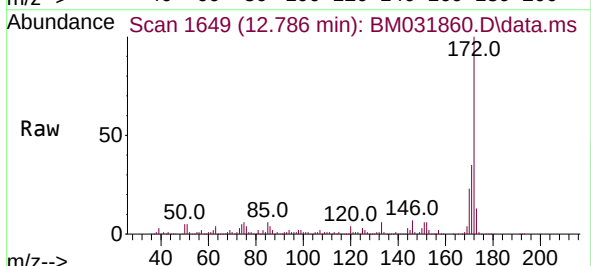
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Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.4
141 62.2 30.2 45.2#

Manual Integrations
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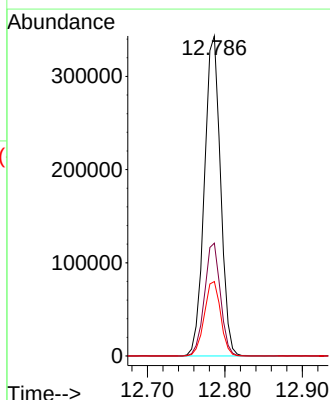
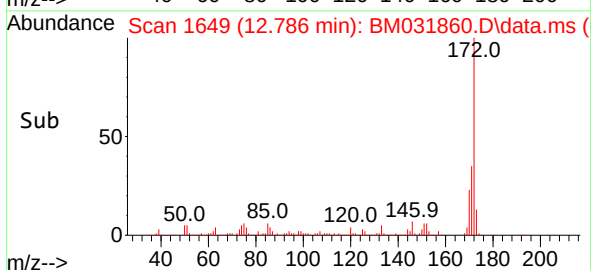
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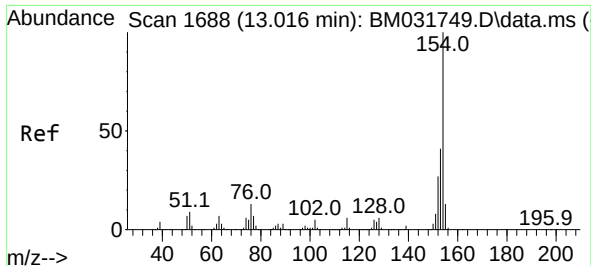


#45
2-Fluorobiphenyl
Concen: 64.670 ng
RT: 12.786 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30



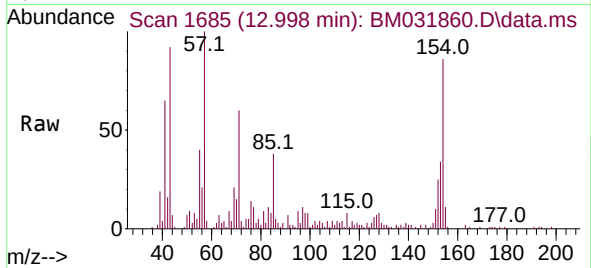
Tgt Ion:172 Resp: 496194
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.2 18.4 27.6





#46
1,1'-Biphenyl
Concen: 3.464 ng
RT: 12.998 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

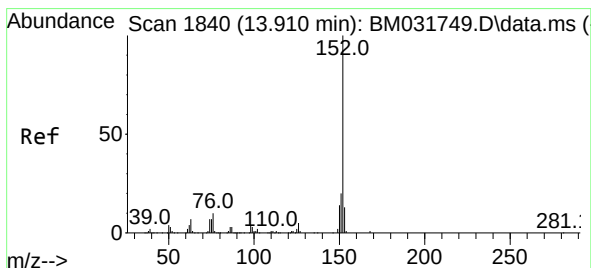
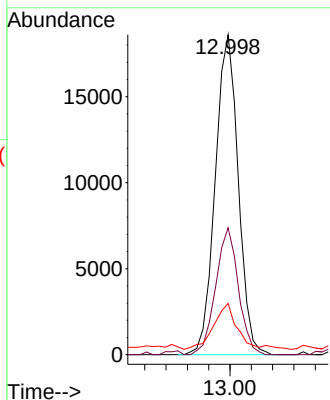
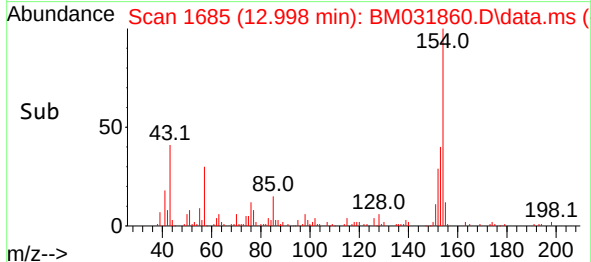
Instrument :
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ClientSampleId :
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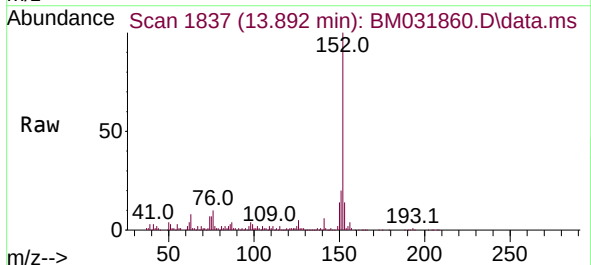
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Ion Ratio Lower Upper
154 100
153 39.6 20.7 60.7
76 16.0 0.0 31.0

Manual Integrations
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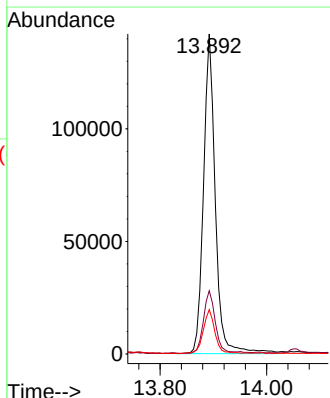
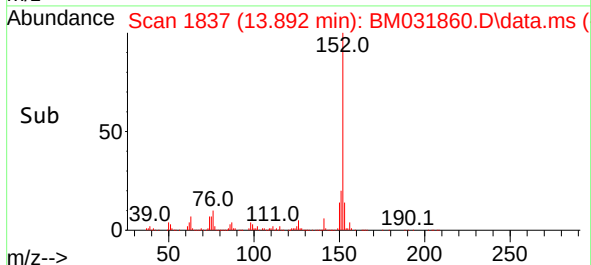
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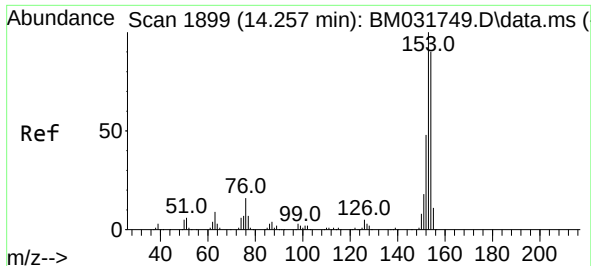


#49
Acenaphthylene
Concen: 21.125 ng
RT: 13.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

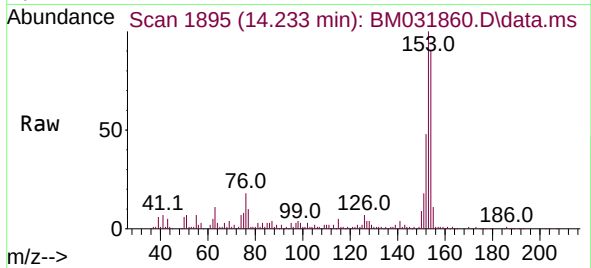


Tgt Ion:152 Resp: 218210
Ion Ratio Lower Upper
152 100
151 19.8 16.3 24.5
153 13.9 10.2 15.4

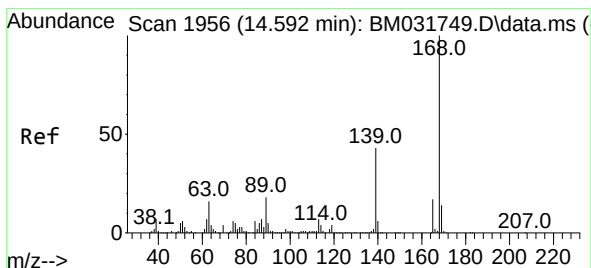
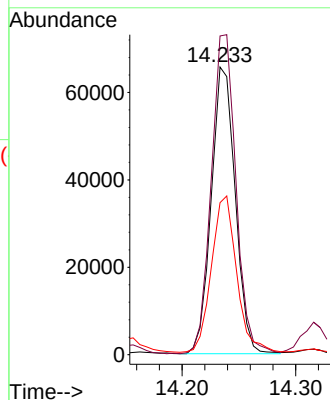
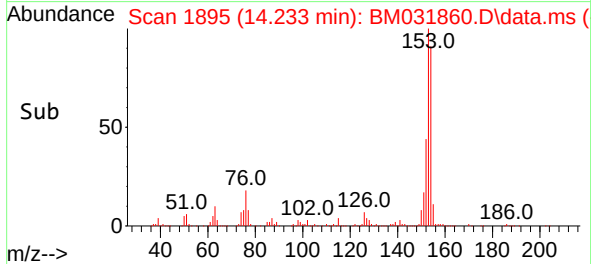




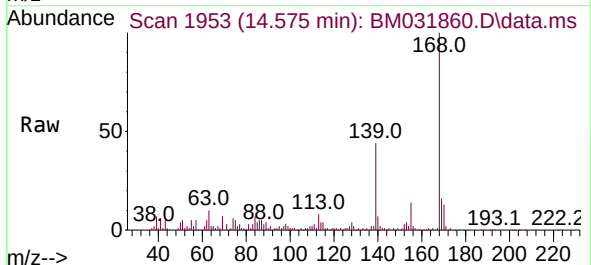
#52
Acenaphthene
Concen: 15.302 ng
RT: 14.233 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30



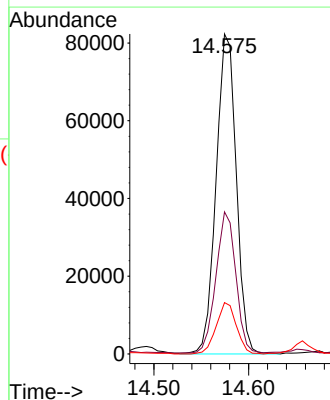
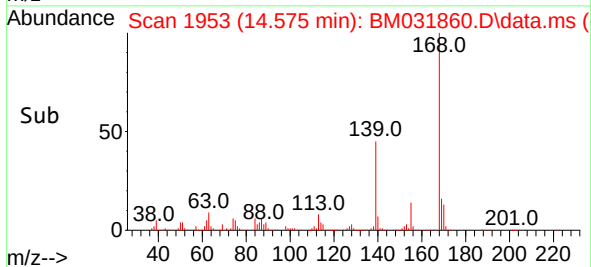
Tgt Ion:154 Resp: 96287
Ion Ratio Lower Upper
154 100
153 110.8 92.2 138.2
152 52.9 43.4 65.2



#55
Dibenzofuran
Concen: 11.603 ng
RT: 14.575 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30



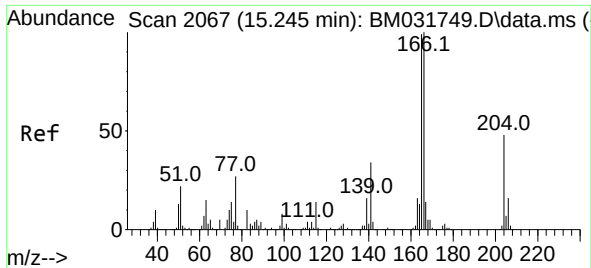
Tgt Ion:168 Resp: 122005
Ion Ratio Lower Upper
168 100
139 44.4 29.4 44.0#
169 16.0 10.8 16.2



Instrument :
BNA_M
ClientSampleId :
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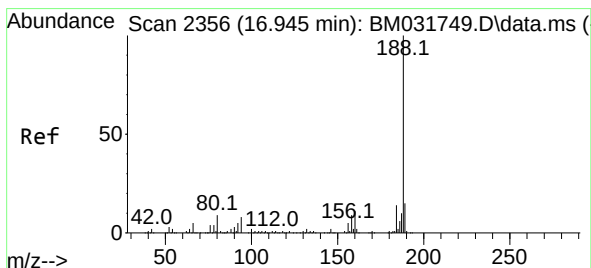
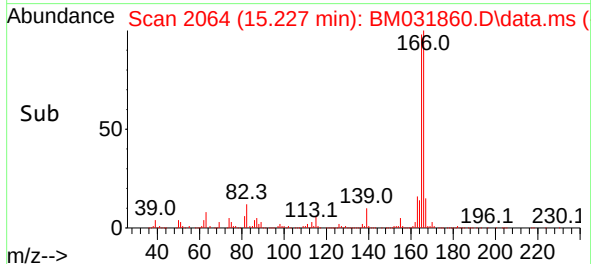
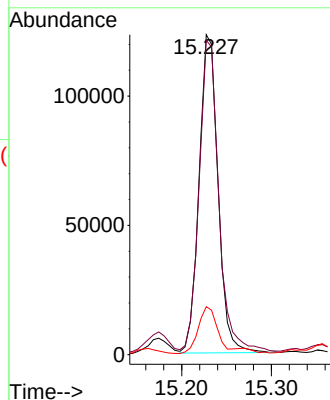
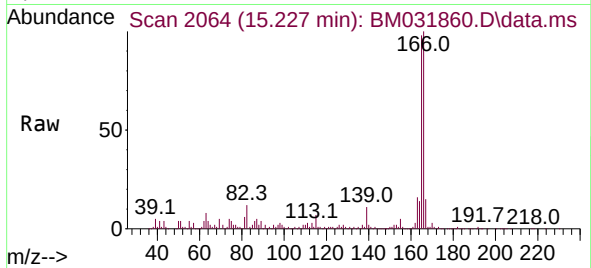
#58
Fluorene
Concen: 20.710 ng
RT: 15.227 min Scan# 2064
Delta R.T. -0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:166 Resp: 180780
Ion Ratio Lower Upper
166 100
165 98.3 79.0 118.6
167 15.0 10.8 16.2

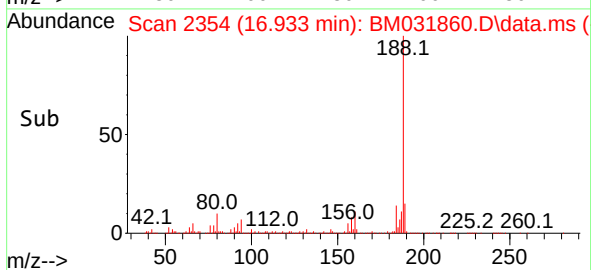
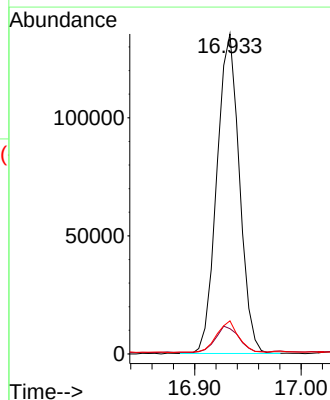
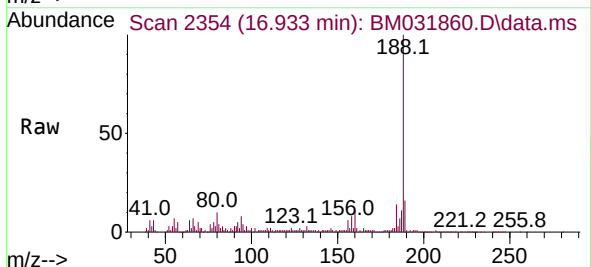
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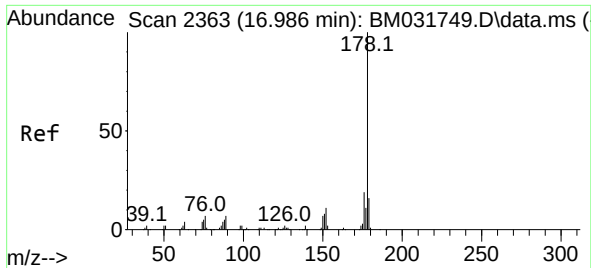
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.933 min Scan# 2354
Delta R.T. 0.000 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Tgt Ion:188 Resp: 199357
Ion Ratio Lower Upper
188 100
94 7.9 6.0 9.0
80 10.4 6.6 9.8#





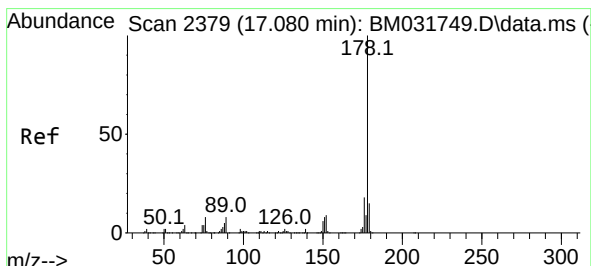
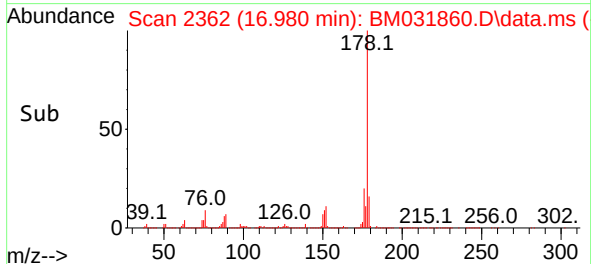
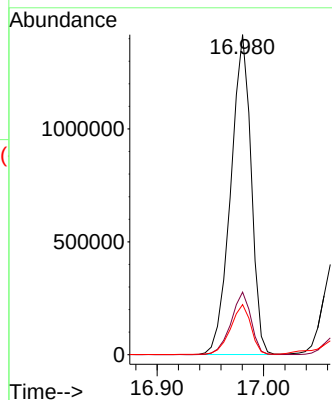
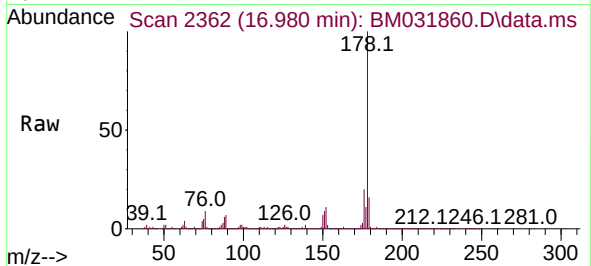
#71
Phenanthrene
Concen: 155.035 ng
RT: 16.980 min Scan# 2362
Delta R.T. 0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Tgt Ion:178 Resp: 1884987
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.6 12.2 18.4

Instrument :
BNA_M
ClientSampleId :
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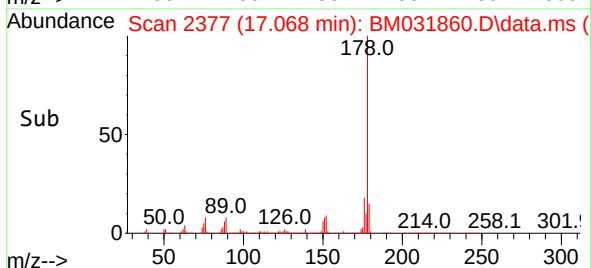
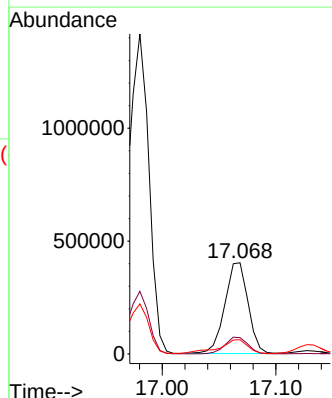
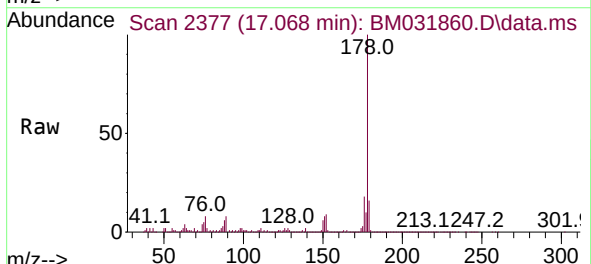
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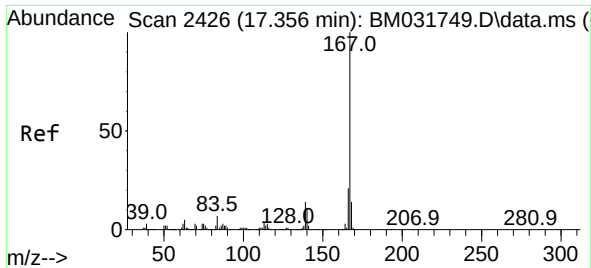
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#72
Anthracene
Concen: 47.930 ng
RT: 17.068 min Scan# 2377
Delta R.T. 0.000 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

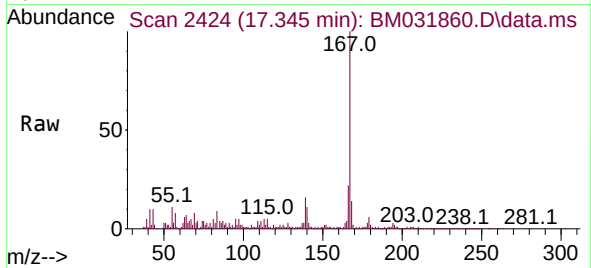
Tgt Ion:178 Resp: 571297
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.4
179 15.6 12.5 18.7





#73
 Carbazole
 Concen: 14.999 ng
 RT: 17.345 min Scan# 2424
 Delta R.T. 0.000 min
 Lab File: BM031860.D
 Acq: 21 Aug 2021 02:30

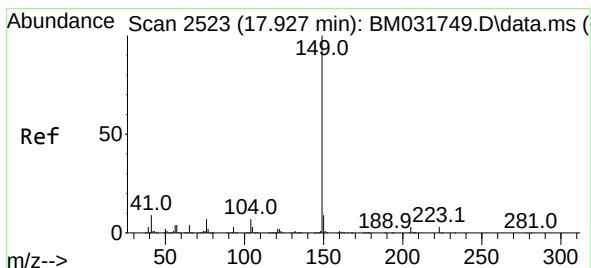
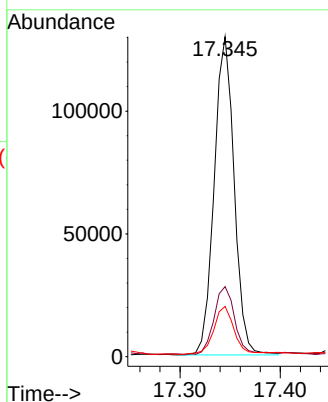
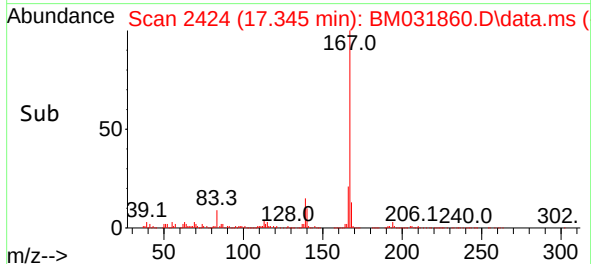
Instrument :
 BNA_M
 ClientSampleId :
 SWCS-17-0003



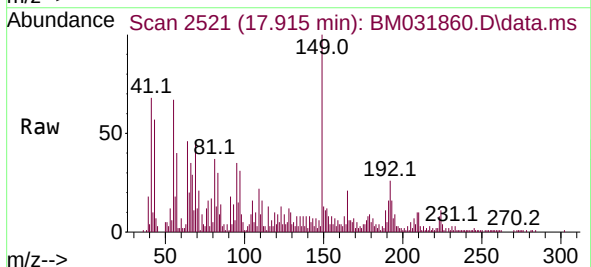
Tgt Ion:167 Resp: 179098
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.0
 139 15.7 9.8 14.6#

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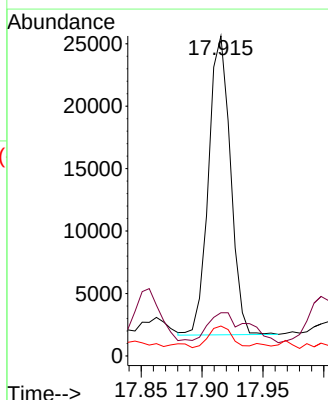
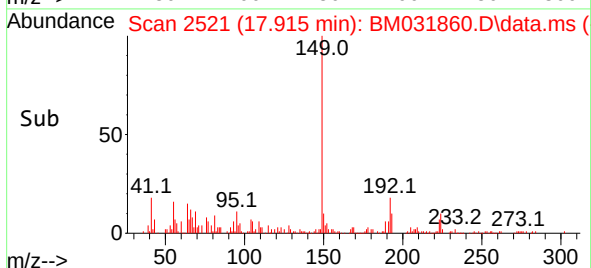
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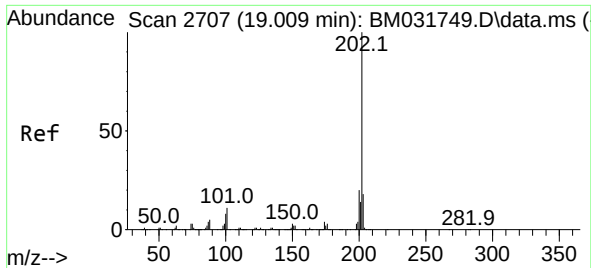


#74
 Di-n-butylphthalate
 Concen: 2.012 ng
 RT: 17.915 min Scan# 2521
 Delta R.T. 0.000 min
 Lab File: BM031860.D
 Acq: 21 Aug 2021 02:30



Tgt Ion:149 Resp: 29929
 Ion Ratio Lower Upper
 149 100
 150 13.5 7.2 10.8#
 104 9.4 4.3 6.5#





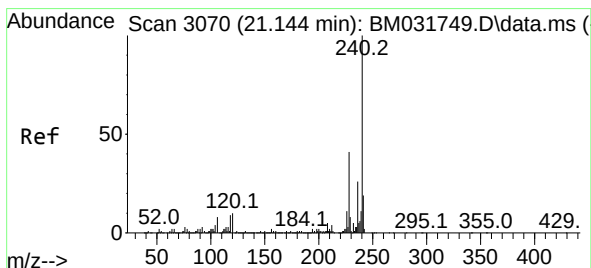
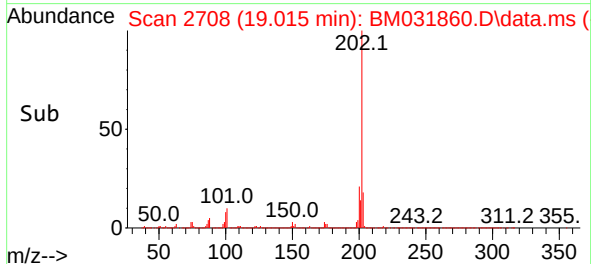
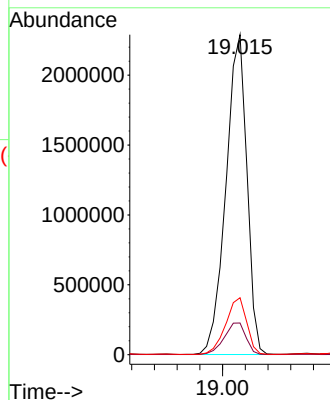
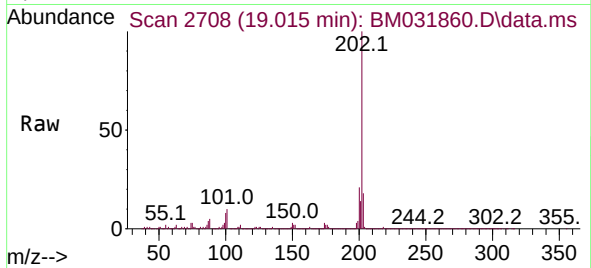
#75
Fluoranthene
Concen: 201.291 ng
RT: 19.015 min Scan# 2708
Delta R.T. 0.018 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Tgt Ion:202 Resp: 2931461
Ion Ratio Lower Upper
202 100
101 9.9 0.0 28.6
203 17.8 0.0 37.3

Instrument :
BNA_M
ClientSampleId :
SWCS-17-0003

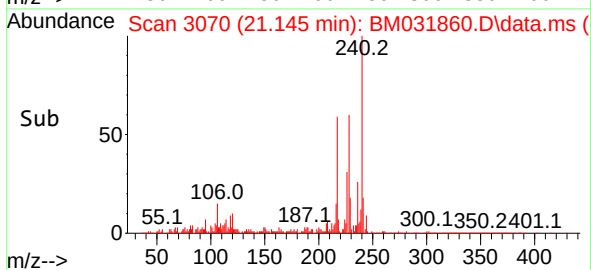
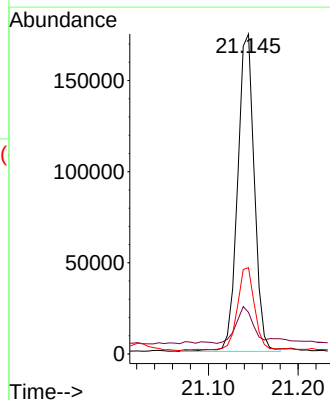
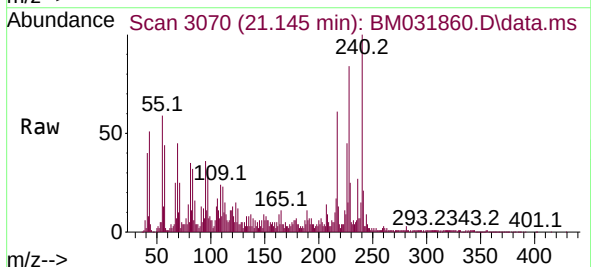
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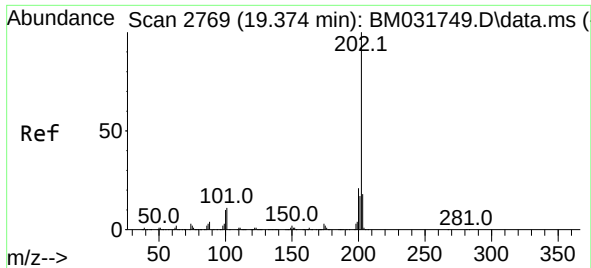
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.145 min Scan# 3070
Delta R.T. 0.012 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Tgt Ion:240 Resp: 224873
Ion Ratio Lower Upper
240 100
120 13.0 7.0 10.6#
236 26.9 21.0 31.4





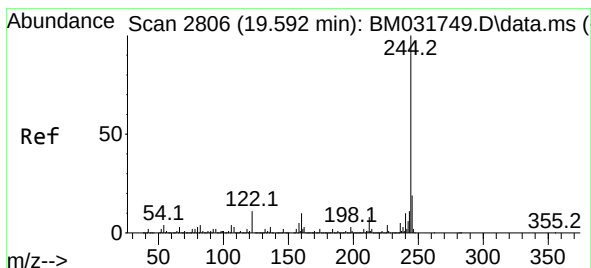
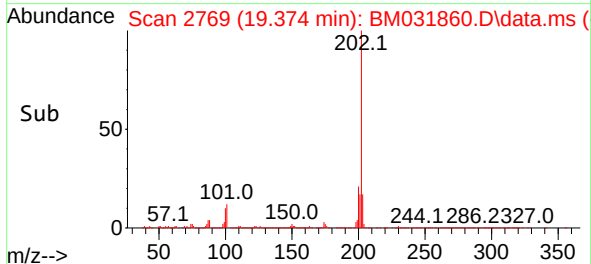
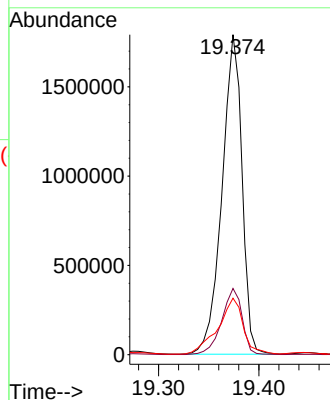
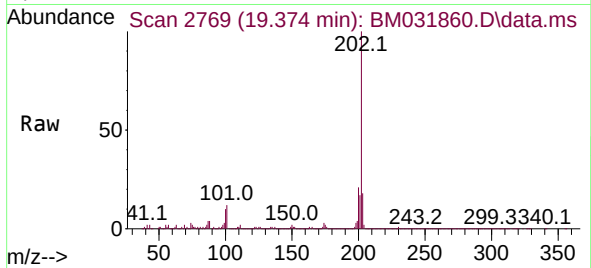
#78
Pyrene
Concen: 152.016 ng
RT: 19.374 min Scan# 2769
Delta R.T. 0.012 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Tgt Ion:202 Resp: 2476439
Ion Ratio Lower Upper
202 100
200 20.7 17.3 25.9
203 17.7 13.9 20.9

Instrument :
BNA_M
ClientSampleId :
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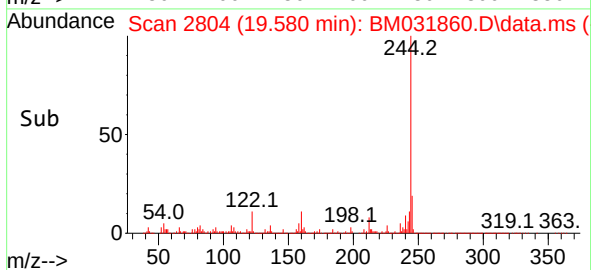
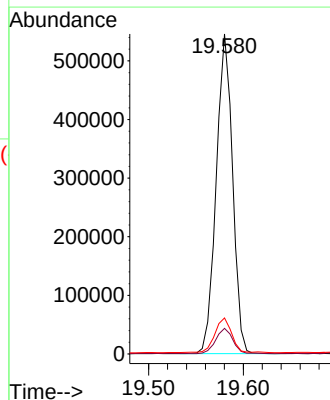
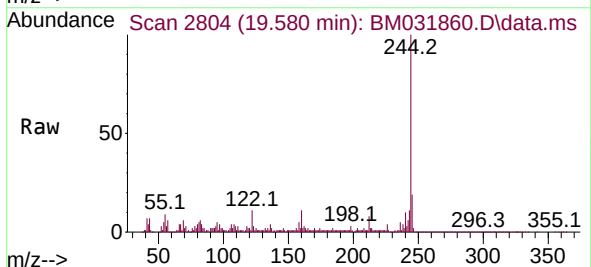
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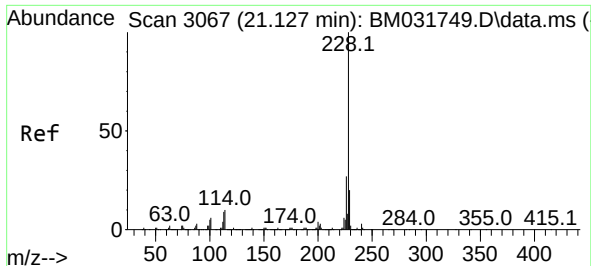
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#79
Terphenyl-d14
Concen: 49.117 ng
RT: 19.580 min Scan# 2804
Delta R.T. 0.000 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Tgt Ion:244 Resp: 655548
Ion Ratio Lower Upper
244 100
212 8.0 6.3 9.5
122 11.3 6.9 10.3#





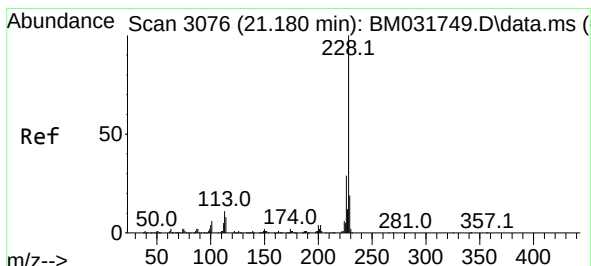
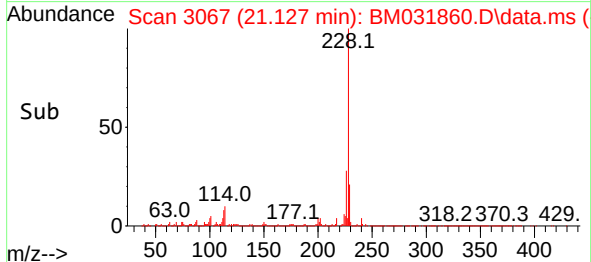
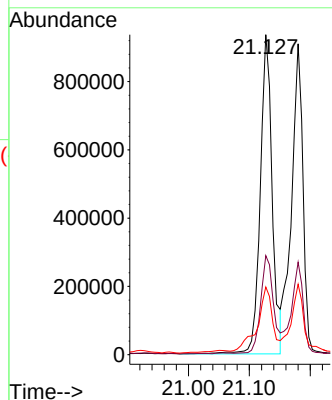
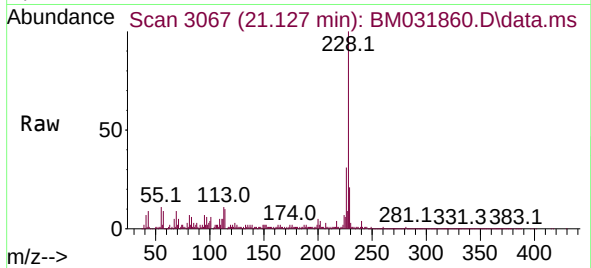
#81
Benzo(a)anthracene
Concen: 77.265 ng
RT: 21.127 min Scan# 3067
Delta R.T. 0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Tgt Ion:228 Resp: 1272668
Ion Ratio Lower Upper
228 100
226 31.0 22.3 33.5
229 21.2 15.7 23.5

Instrument :
BNA_M
ClientSampleId :
SWCS-17-0003

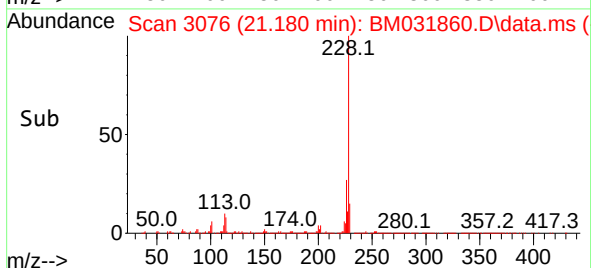
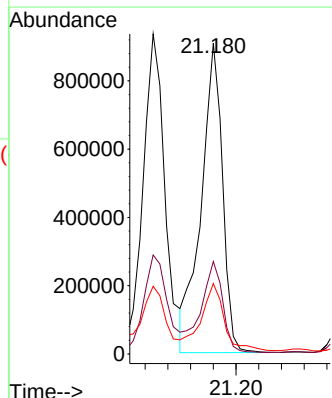
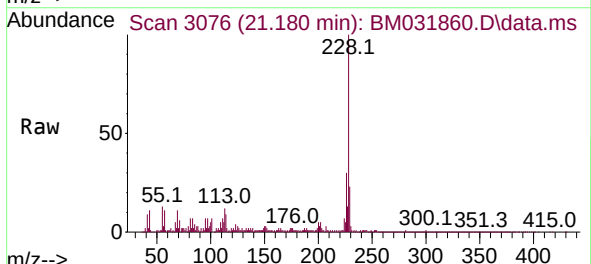
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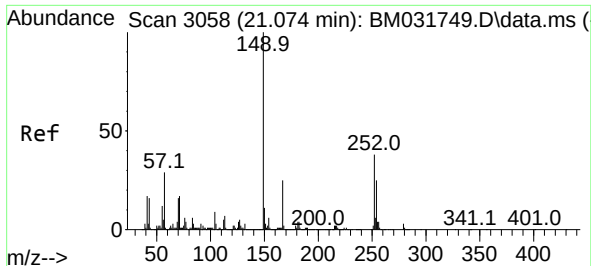
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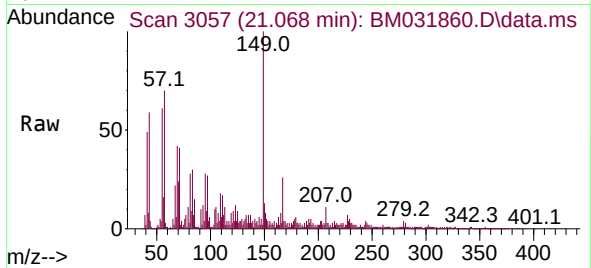
#83
Chrysene
Concen: 73.681 ng
RT: 21.180 min Scan# 3076
Delta R.T. 0.006 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Tgt Ion:228 Resp: 1182994
Ion Ratio Lower Upper
228 100
226 29.8 24.6 36.8
229 22.7 15.5 23.3

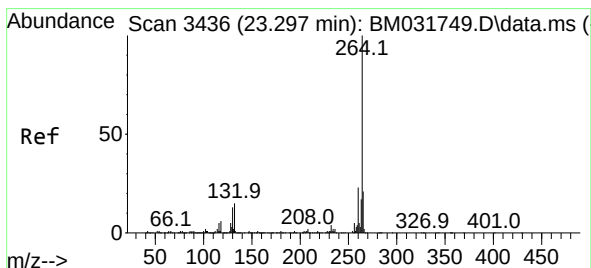
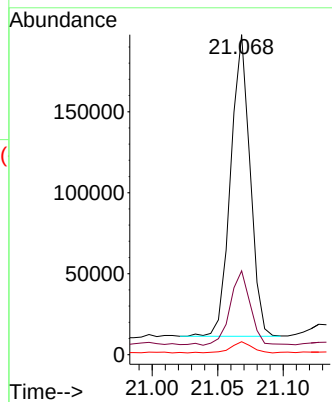
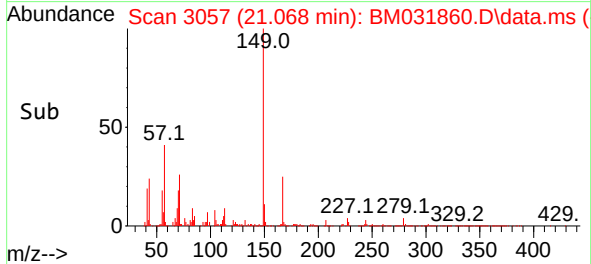




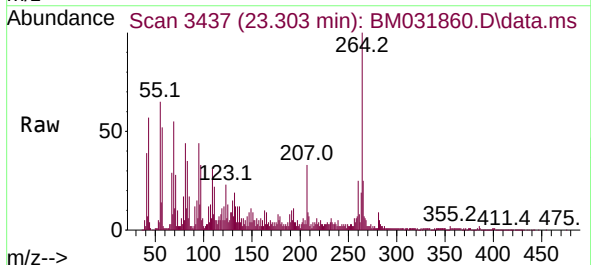
#84
Bis(2-ethylhexyl)phthalate
Concen: 15.877 ng
RT: 21.068 min Scan# 3057
Delta R.T. 0.000 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30



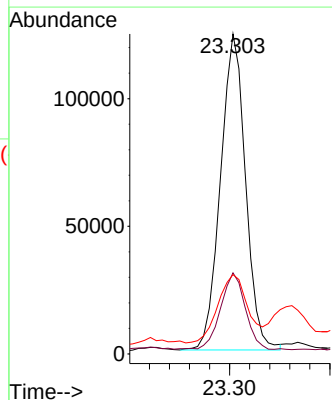
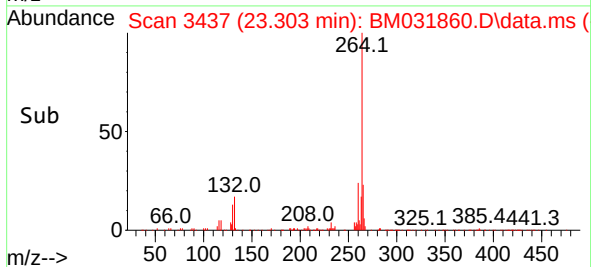
Tgt Ion:149 Resp: 191569
Ion Ratio Lower Upper
149 100
167 26.2 22.6 33.8
279 4.1 3.8 5.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.303 min Scan# 3437
Delta R.T. 0.024 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30



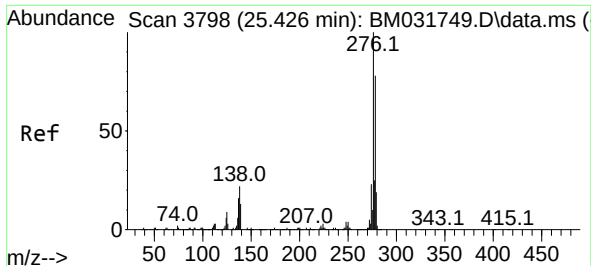
Tgt Ion:264 Resp: 214387
Ion Ratio Lower Upper
264 100
260 25.4 19.8 29.8
265 24.8 17.7 26.5



Instrument :
BNA_M
ClientSampleId :
SWCS-17-0003

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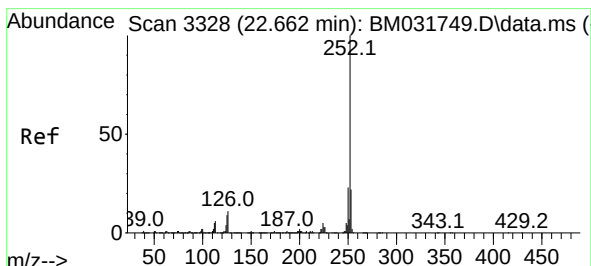
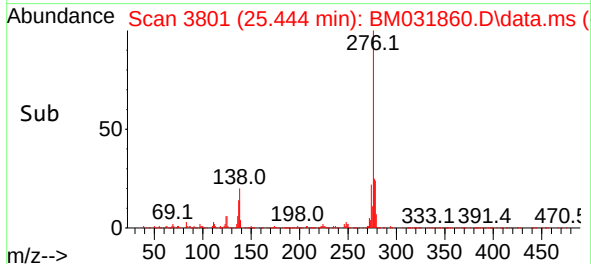
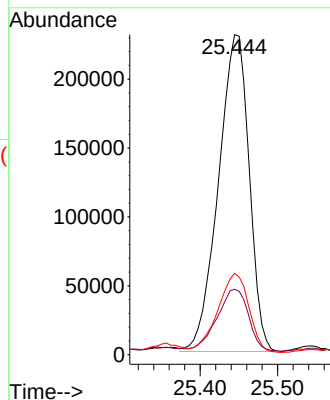
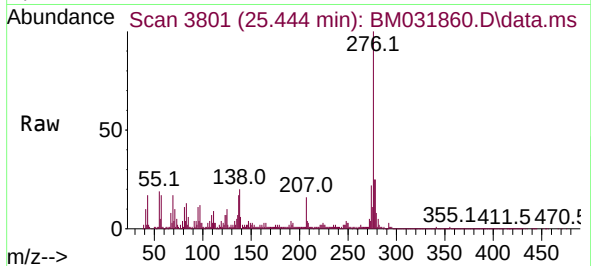
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.024 ng
RT: 25.444 min Scan# 3801
Delta R.T. 0.035 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Tgt Ion:	276	Resp:	634900
Ion Ratio	Lower	Upper	
276	100		
138	20.1	17.1	25.7
277	25.2	20.3	30.5

Instrument :
BNA_M
ClientSampleId :
SWCS-17-0003

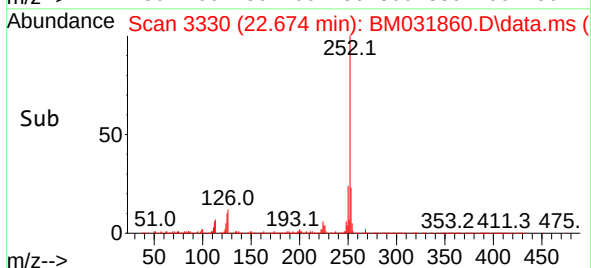
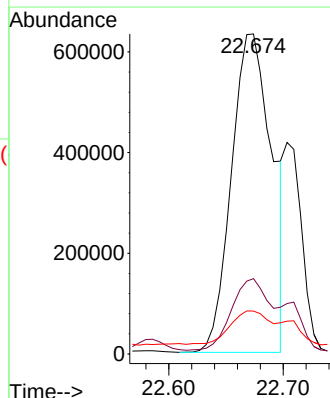
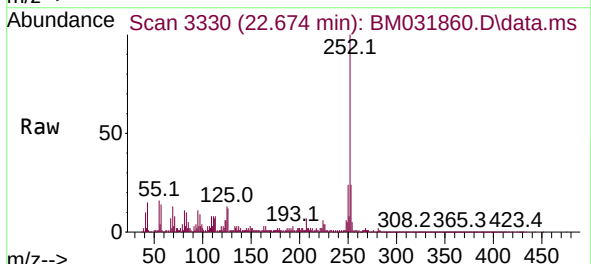
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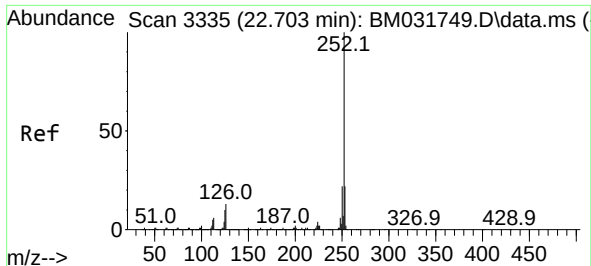
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#88
Benzo(b)fluoranthene
Concen: 96.666 ng m
RT: 22.674 min Scan# 3330
Delta R.T. 0.030 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

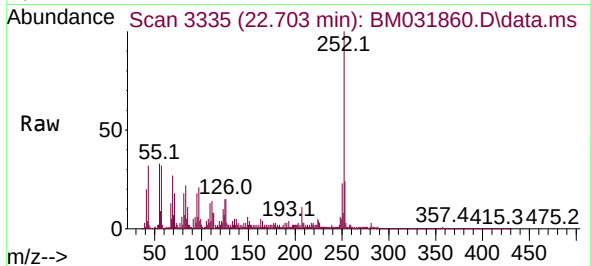
Tgt Ion:	252	Resp:	1555993
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.4	26.0
125	13.4	6.8	10.2#





#89
Benzo(k)fluoranthene
Concen: 28.717 ng m
RT: 22.703 min Scan# 3335
Delta R.T. 0.012 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

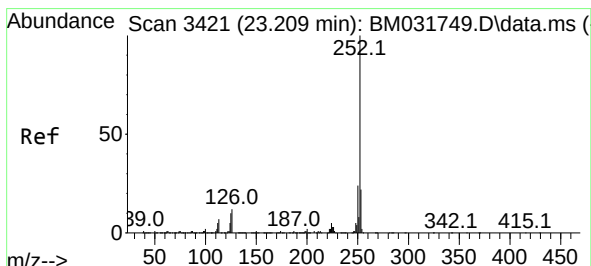
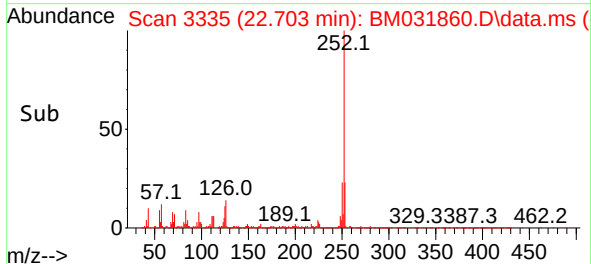
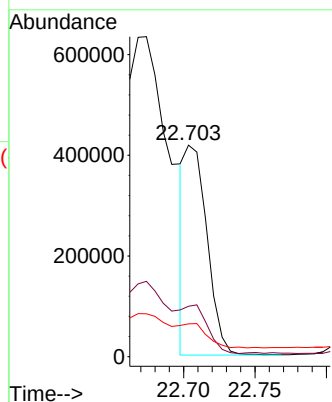
Instrument :
BNA_M
ClientSampleId :
SWCS-17-0003



Tgt Ion:252 Resp: 446150
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 15.5 6.2 9.2#

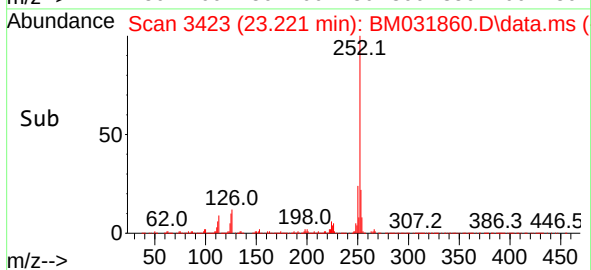
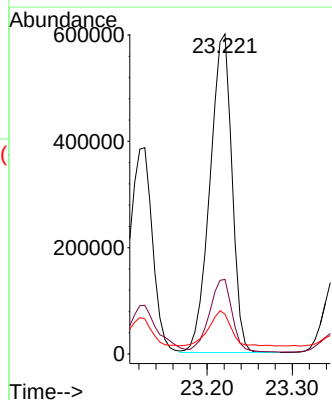
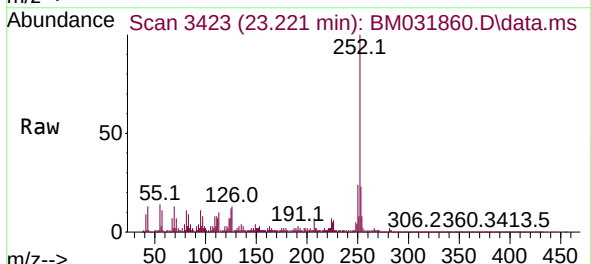
Manual Integrations
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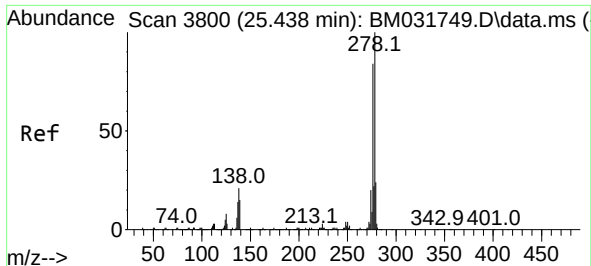
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#90
Benzo(a)pyrene
Concen: 75.166 ng
RT: 23.221 min Scan# 3423
Delta R.T. 0.030 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Tgt Ion:252 Resp: 1071242
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 12.5 7.3 10.9#





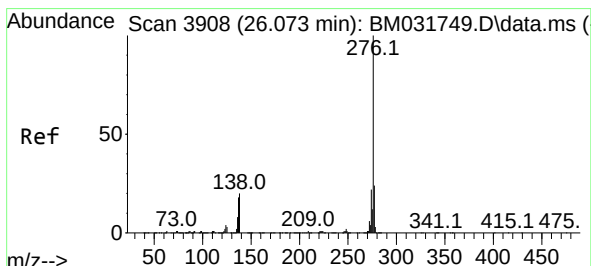
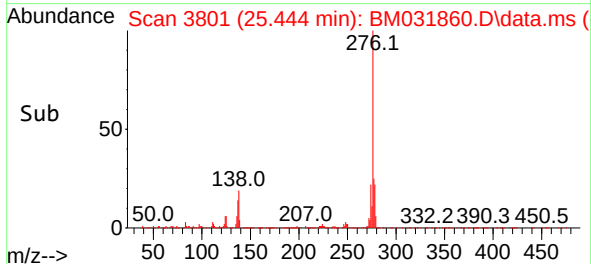
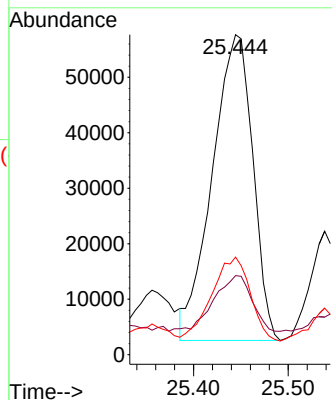
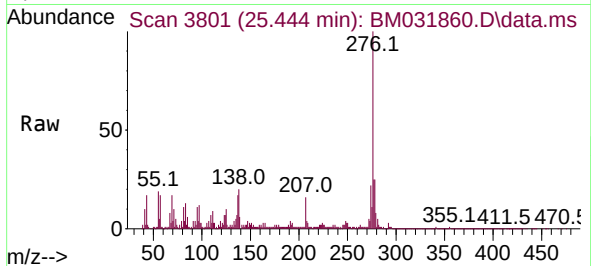
#91
Dibenzo(a,h)anthracene
Concen: 12.332 ng
RT: 25.444 min Scan# 3801
Delta R.T. 0.024 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Tgt Ion:278 Resp: 163857
Ion Ratio Lower Upper
278 100
139 24.7 11.0 16.4#
279 30.5 18.7 28.1#

Instrument :
BNA_M
ClientSampleId :
SWCS-17-0003

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 50.908 ng
RT: 26.103 min Scan# 3913
Delta R.T. 0.053 min
Lab File: BM031860.D
Acq: 21 Aug 2021 02:30

Tgt Ion:276 Resp: 615962
Ion Ratio Lower Upper
276 100
277 24.9 19.4 29.2
138 21.1 14.4 21.6

