

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082021\
 Data File : BM031855.D
 Acq On : 20 Aug 2021 23:24
 Operator : CG/JU
 Sample : M3435-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-17-0306

Manual Integrations
 APPROVED

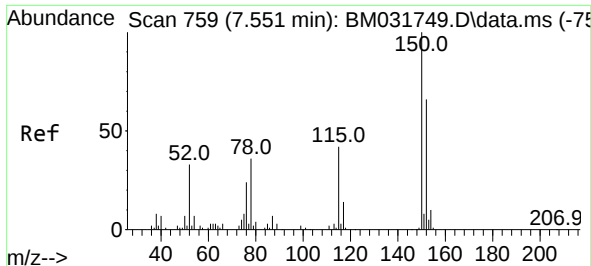
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Quant Time: Aug 21 04:26:55 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 18 14:13:35 2021
 Response via : Initial Calibration

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

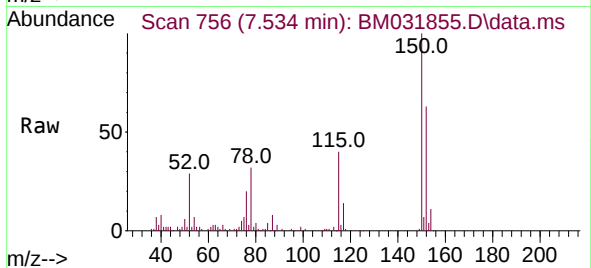
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.534	152	40739	20.000	ng	0.00
21) Naphthalene-d8	10.292	136	169291	20.000	ng	# 0.00
39) Acenaphthene-d10	14.174	164	99422	20.000	ng	0.00
64) Phenanthrene-d10	16.927	188	194583	20.000	ng	# 0.00
76) Chrysene-d12	21.133	240	183053	20.000	ng	0.00
86) Perylene-d12	23.286	264	183170	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	282804	111.416	ng	0.00
7) Phenol-d6	6.734	99	358820	97.558	ng	0.00
23) Nitrobenzene-d5	8.687	82	262031	64.809	ng	0.00
42) 2,4,6-Tribromophenol	15.674	330	100357	81.957	ng	0.00
45) 2-Fluorobiphenyl	12.786	172	398764	53.385	ng	0.00
79) Terphenyl-d14	19.574	244	434250	39.969	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.339	128	116093	11.978	ng	99
37) 2-Methylnaphthalene	11.963	142	59658	8.225	ng	96
38) 1-Methylnaphthalene	12.186	142	28782	4.155	ng	# 95
49) Acenaphthylene	13.892	152	94204	9.368	ng	97
55) Dibenzofuran	14.574	168	32004	3.126	ng	# 87
58) Fluorene	15.227	166	41198	4.848	ng	# 97
71) Phenanthrene	16.968	178	348924	29.402	ng	99
72) Anthracene	17.063	178	108508	9.327	ng	100
73) Carbazole	17.339	167	33177	2.847	ng	# 93
75) Fluoranthene	18.998	202	593981	41.787	ng	97
78) Pyrene	19.362	202	545521	41.137	ng	100
81) Benzo(a)anthracene	21.121	228	254870m	19.009	ng	
83) Chrysene	21.168	228	290603	22.235	ng	96
84) Bis(2-ethylhexyl)phtha...	21.062	149	119162	12.133	ng	95
87) Indeno(1,2,3-cd)pyrene	25.415	276	169153	13.104	ng	98
88) Benzo(b)fluoranthene	22.650	252	374732m	27.248	ng	
89) Benzo(k)fluoranthene	22.686	252	99123m	7.467	ng	
90) Benzo(a)pyrene	23.197	252	242791	19.939	ng	# 95
91) Dibenzo(a,h)anthracene	25.421	278	43729	3.852	ng	# 78
92) Benzo(g,h,i)perylene	26.068	276	171756	16.614	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

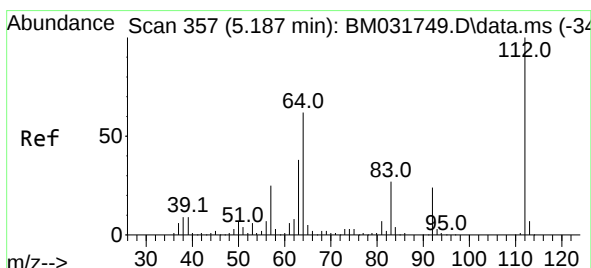
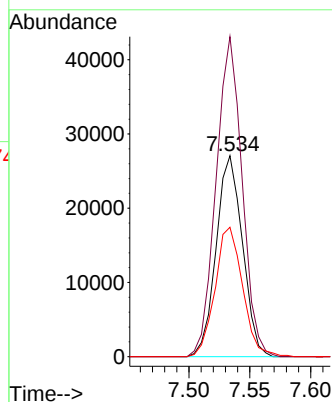
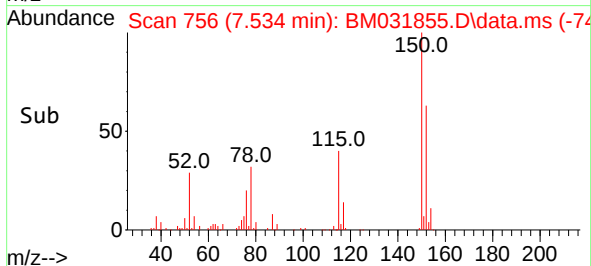
Instrument :
BNA_M
ClientSampleId :
SWCS-17-0306



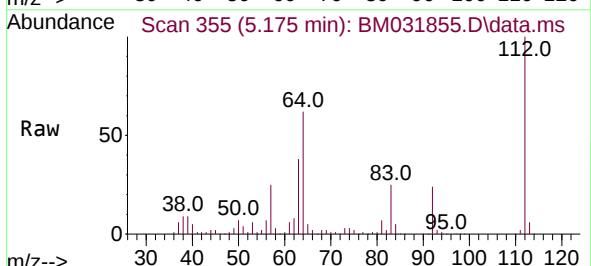
Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.2	125.9	188.9
115	64.4	44.6	67.0

Manual Integrations
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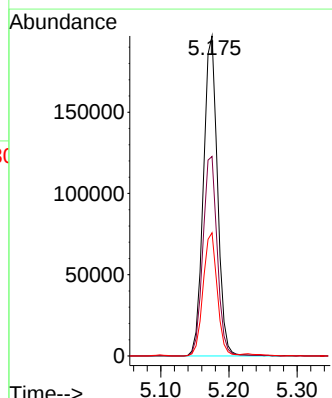
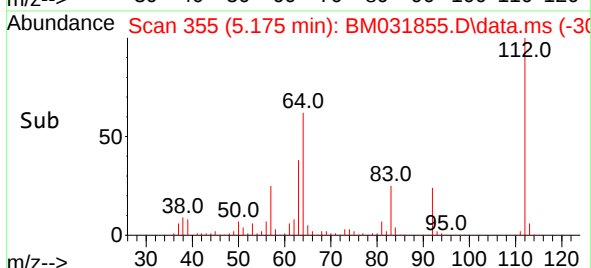
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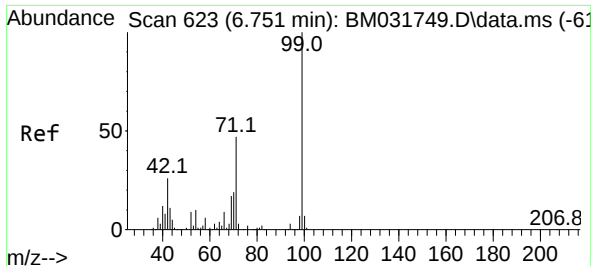


#5
2-Fluorophenol
Concen: 111.416 ng
RT: 5.175 min Scan# 355
Delta R.T. 0.000 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24



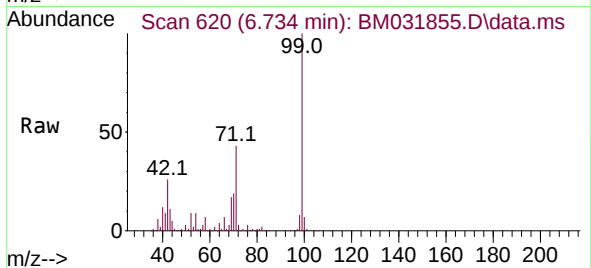
Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	47.1	70.7
63	38.5	27.3	40.9





#7
Phenol-d6
Concen: 97.558 ng
RT: 6.734 min Scan# 620
Delta R.T. 0.000 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

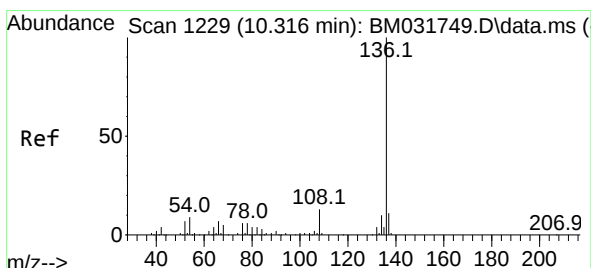
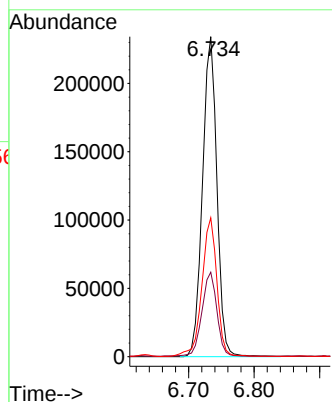
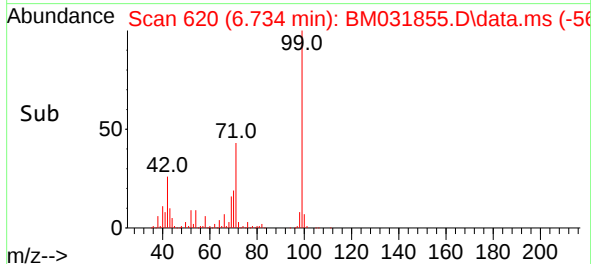
Instrument :
BNA_M
ClientSampleId :
SWCS-17-0306



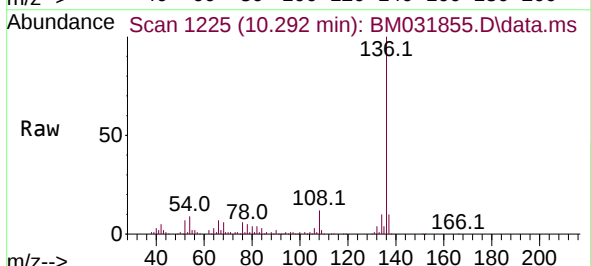
Tgt Ion: 99 Resp: 358820
Ion Ratio Lower Upper
99 100
42 26.4 18.0 27.0
71 43.4 30.9 46.3

Manual Integrations
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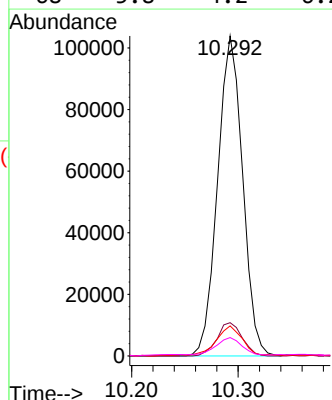
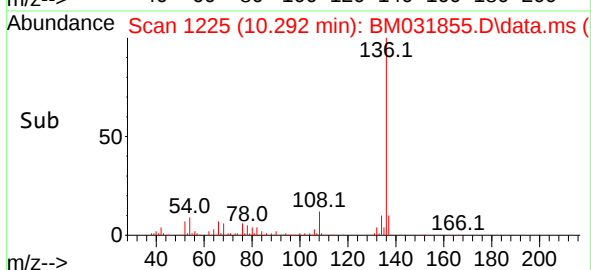
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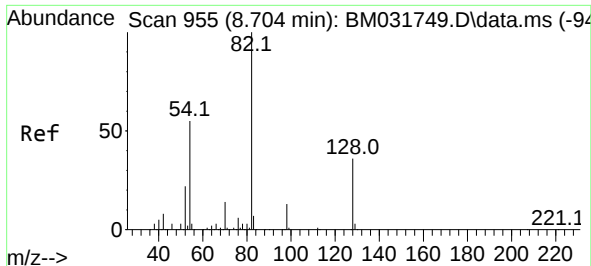


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.292 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24



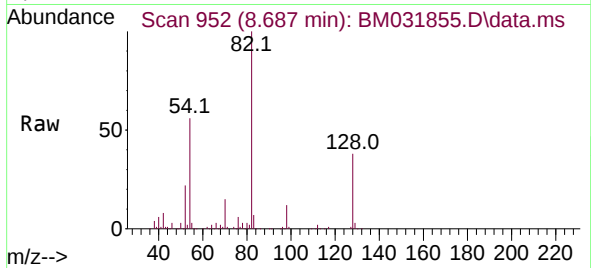
Tgt Ion: 136 Resp: 169291
Ion Ratio Lower Upper
136 100
137 10.4 8.4 12.6
54 9.4 5.5 8.3#
68 5.8 4.2 6.2





#23
Nitrobenzene-d5
Concen: 64.809 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

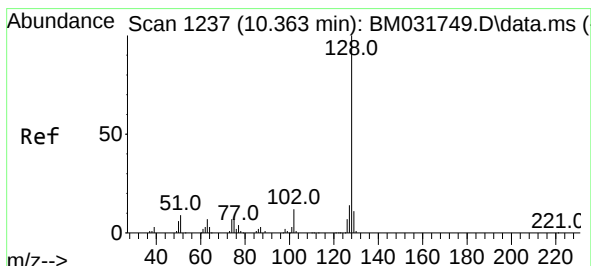
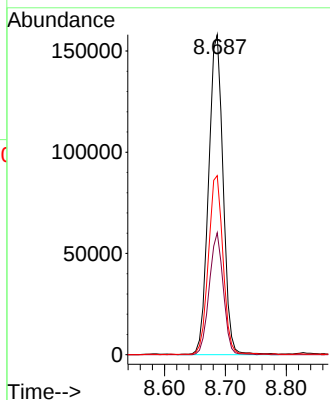
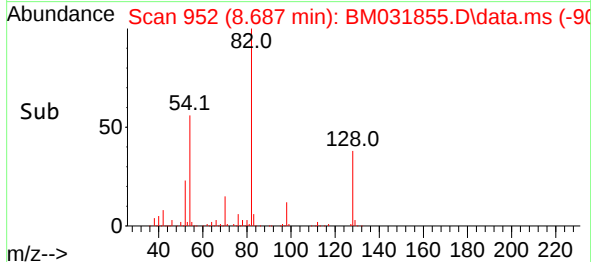
Instrument :
BNA_M
ClientSampleId :
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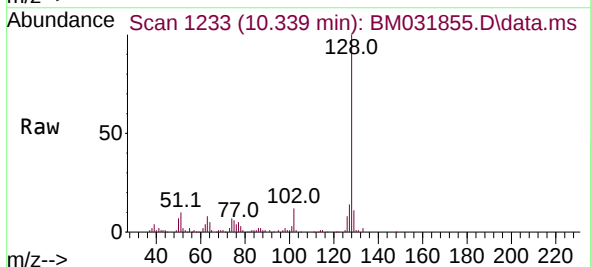
Tgt Ion: 82 Resp: 262031
Ion Ratio Lower Upper
82 100
128 38.1 31.1 46.7
54 56.0 37.3 55.9#

Manual Integrations
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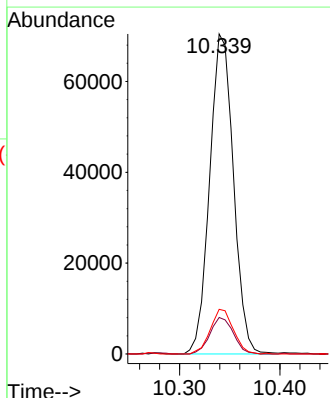
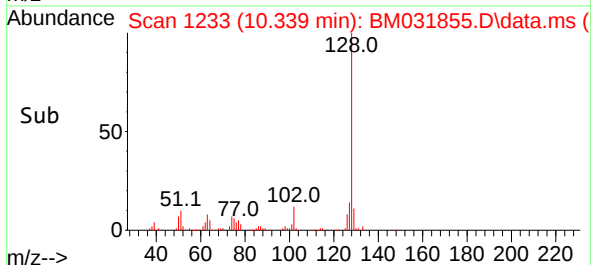
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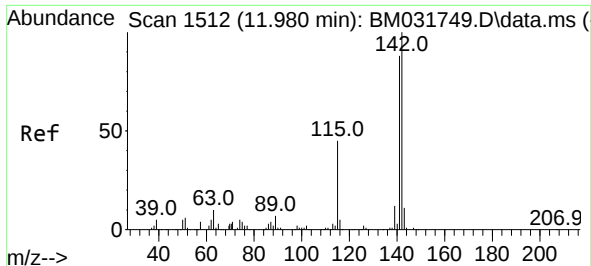


#31
Naphthalene
Concen: 11.978 ng
RT: 10.339 min Scan# 1233
Delta R.T. -0.012 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24



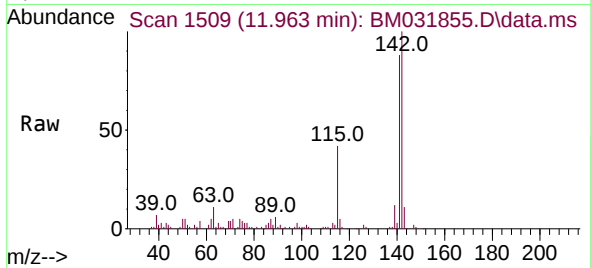
Tgt Ion: 128 Resp: 116093
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 14.0 10.8 16.2





#37
2-Methylnaphthalene
Concen: 8.225 ng
RT: 11.963 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

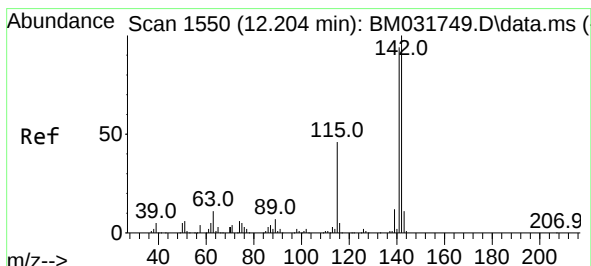
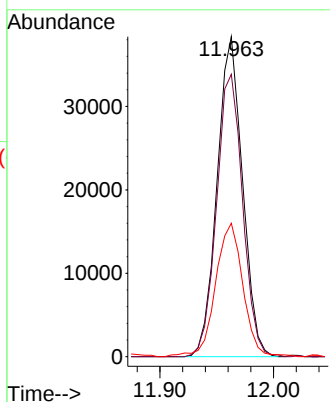
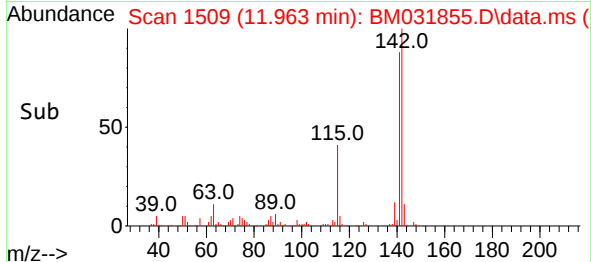
Instrument :
BNA_M
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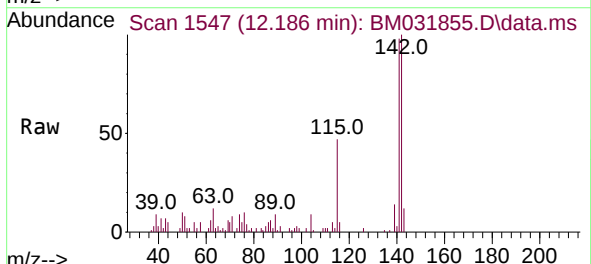
Tgt Ion:142 Resp: 59658
Ion Ratio Lower Upper
142 100
141 88.2 71.7 107.5
115 41.7 29.1 43.7

Manual Integrations
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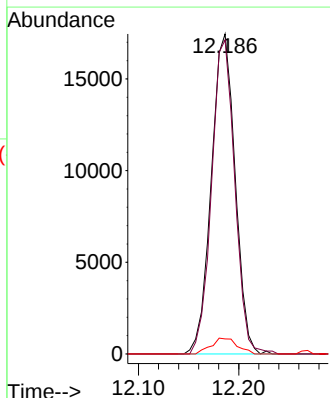
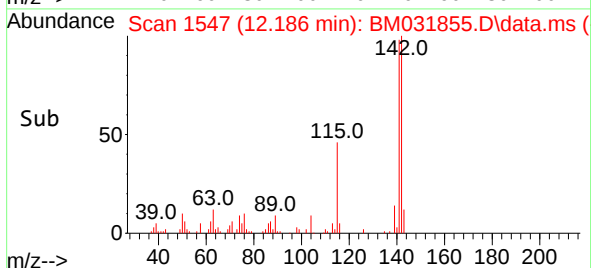
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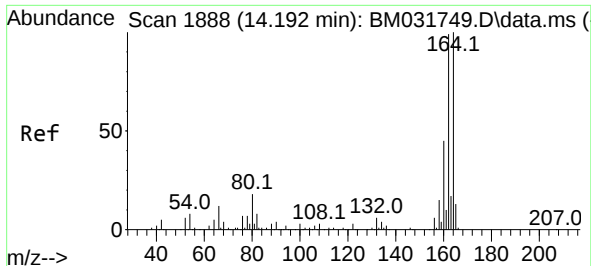


#38
1-Methylnaphthalene
Concen: 4.155 ng
RT: 12.186 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24



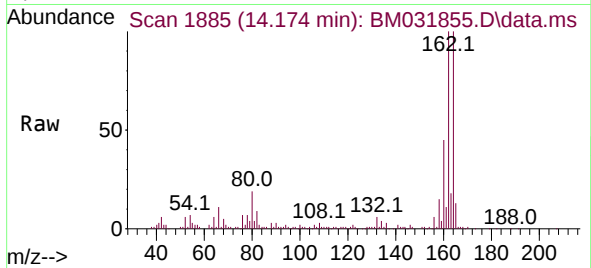
Tgt Ion:142 Resp: 28782
Ion Ratio Lower Upper
142 100
141 98.1 74.2 111.4
116 4.7 3.0 4.6#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.174 min Scan# 1885
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

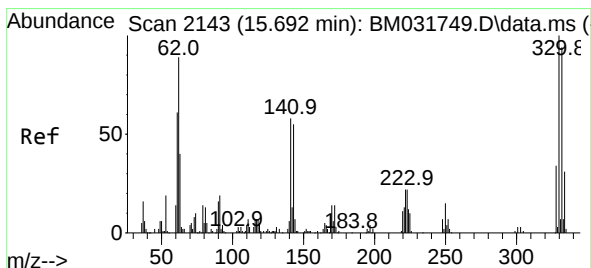
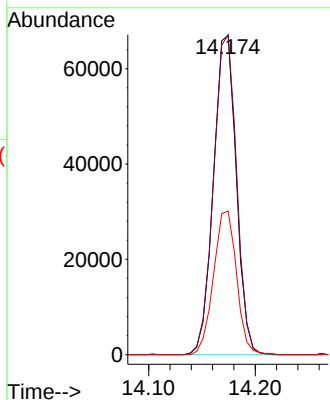
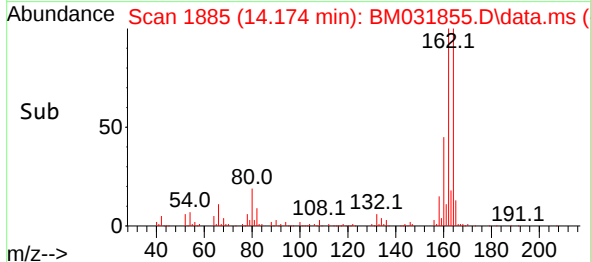
Instrument :
BNA_M
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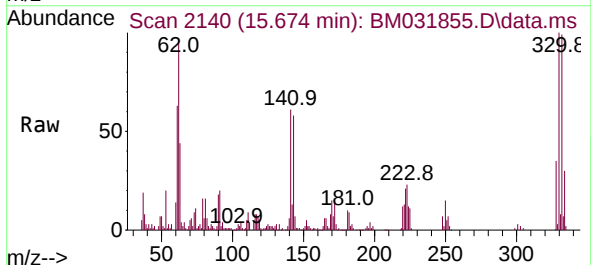
Tgt Ion:164 Resp: 99422
Ion Ratio Lower Upper
164 100
162 100.2 83.4 125.0
160 45.0 37.2 55.8

Manual Integrations
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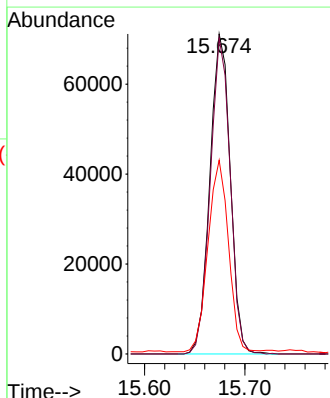
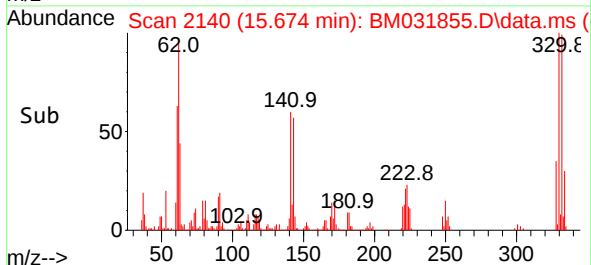
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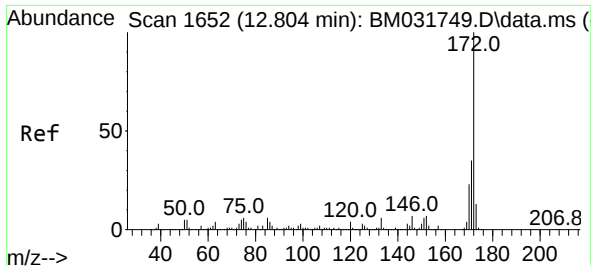


#42
2,4,6-Tribromophenol
Concen: 81.957 ng
RT: 15.674 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24



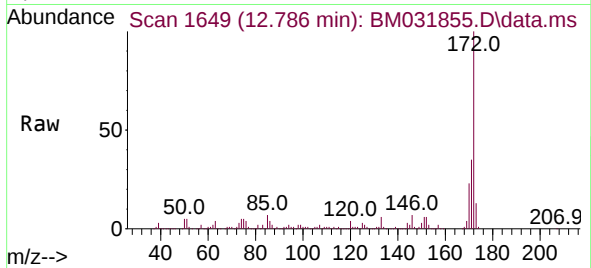
Tgt Ion:330 Resp: 100357
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 60.1 30.2 45.2#





#45
2-Fluorobiphenyl
Concen: 53.385 ng
RT: 12.786 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

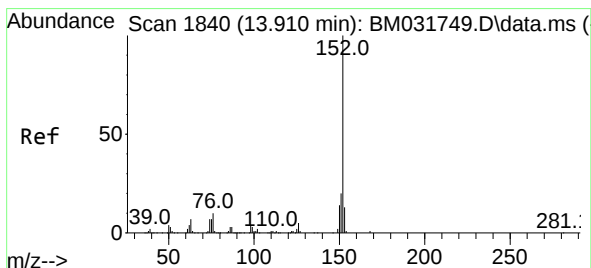
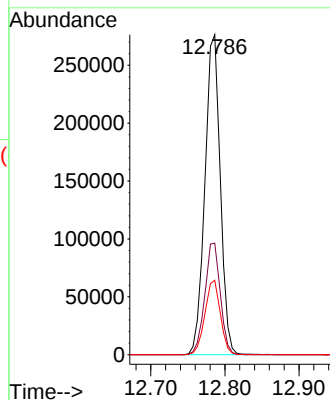
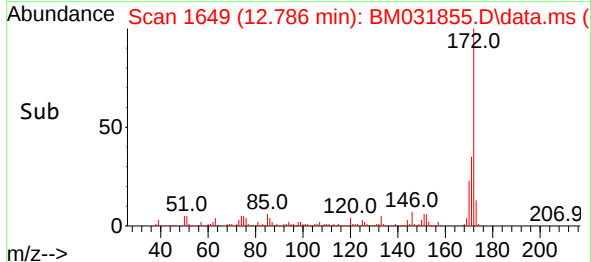
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SWCS-17-0306



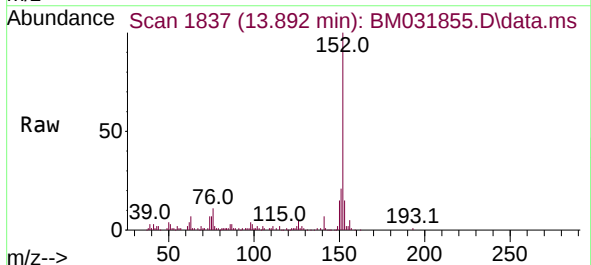
Tgt Ion:172 Resp: 398764
Ion Ratio Lower Upper
172 100
171 34.8 28.6 43.0
170 23.3 18.4 27.6

Manual Integrations
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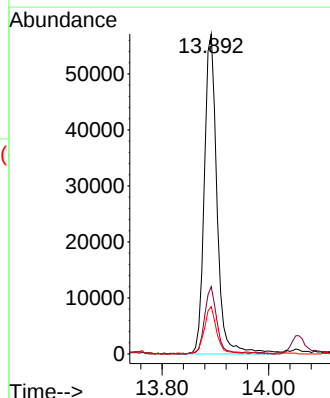
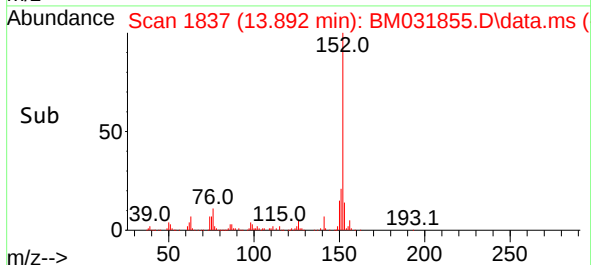
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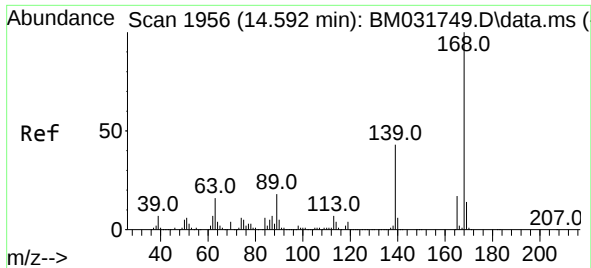


#49
Acenaphthylene
Concen: 9.368 ng
RT: 13.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24



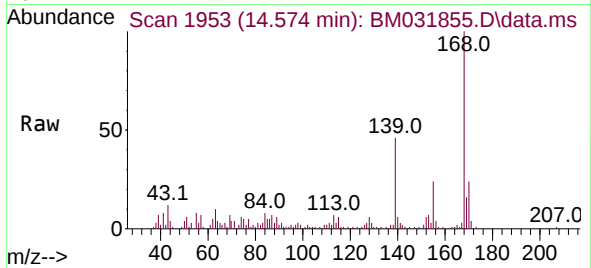
Tgt Ion:152 Resp: 94204
Ion Ratio Lower Upper
152 100
151 21.1 16.3 24.5
153 14.8 10.2 15.4





#55
Dibenzofuran
Concen: 3.126 ng
RT: 14.574 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

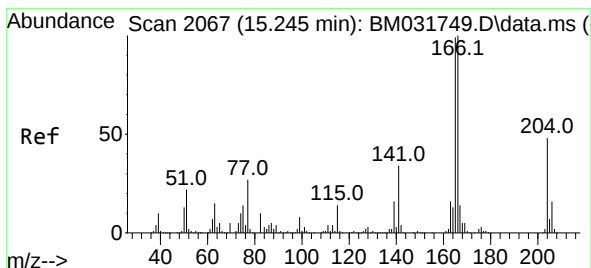
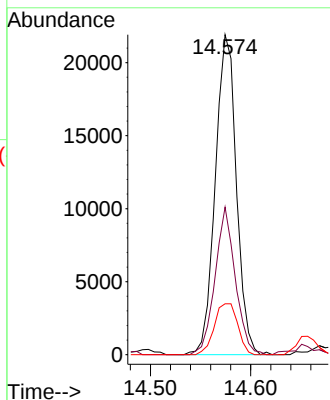
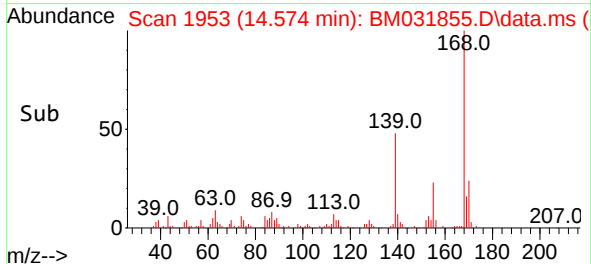
Instrument :
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ClientSampleId :
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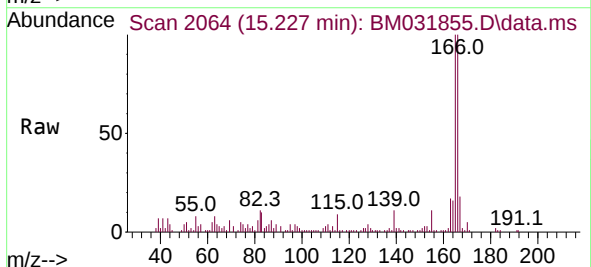
Tgt Ion:168 Resp: 32004
Ion Ratio Lower Upper
168 100
139 46.1 29.4 44.0#
169 15.9 10.8 16.2

Manual Integrations
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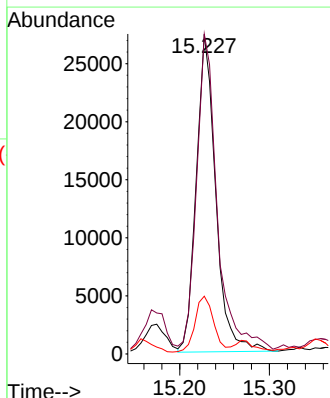
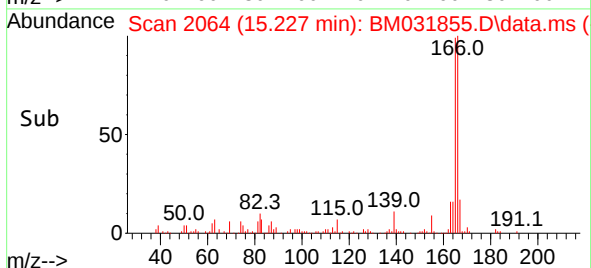
mohammad
8/23/2021 4:25:12 PM

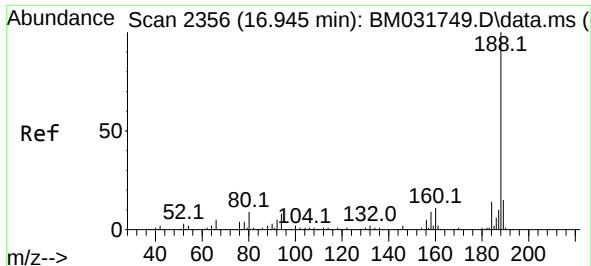


#58
Fluorene
Concen: 4.848 ng
RT: 15.227 min Scan# 2064
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24



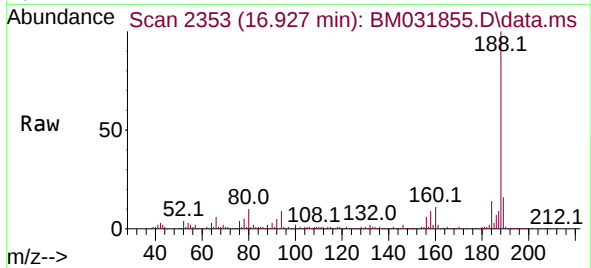
Tgt Ion:166 Resp: 41198
Ion Ratio Lower Upper
166 100
165 100.1 79.0 118.6
167 18.1 10.8 16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.927 min Scan# 2353
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

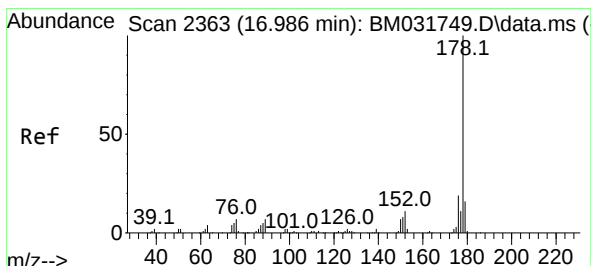
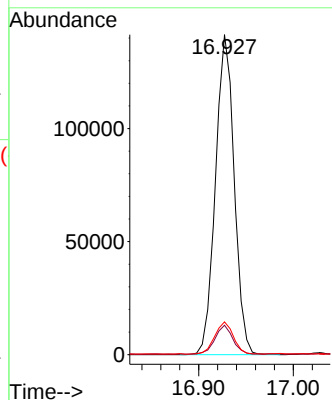
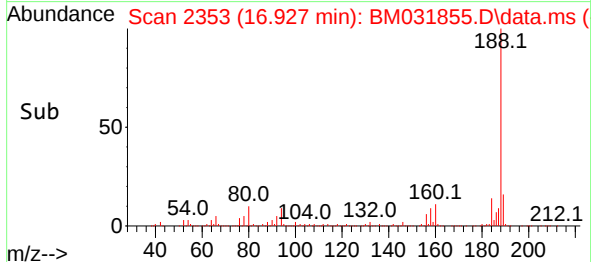
Instrument :
BNA_M
ClientSampleId :
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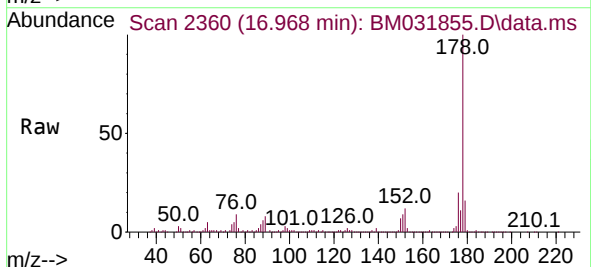
Tgt Ion:188 Resp: 194583
Ion Ratio Lower Upper
188 100
94 9.2 6.0 9.0#
80 10.3 6.6 9.8#

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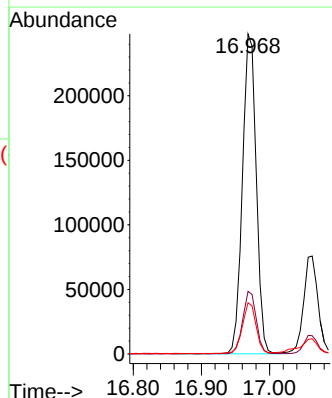
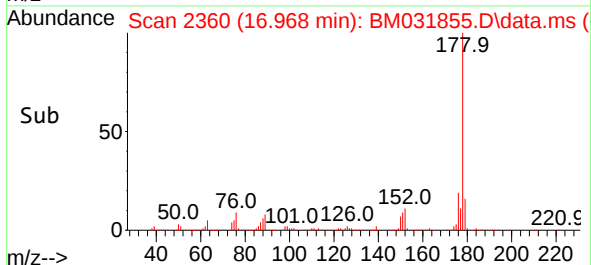
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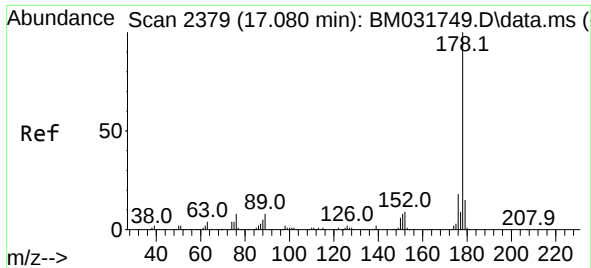


#71
Phenanthrene
Concen: 29.402 ng
RT: 16.968 min Scan# 2360
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24



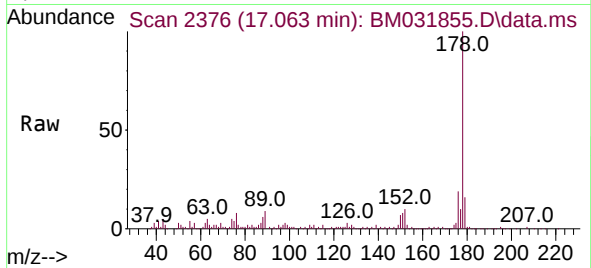
Tgt Ion:178 Resp: 348924
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 16.0 12.2 18.4





#72
 Anthracene
 Concen: 9.327 ng
 RT: 17.063 min Scan# 2376
 Delta R.T. -0.006 min
 Lab File: BM031855.D
 Acq: 20 Aug 2021 23:24

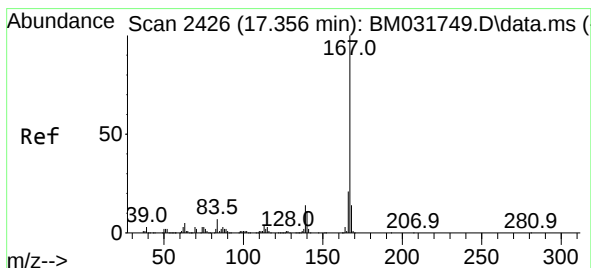
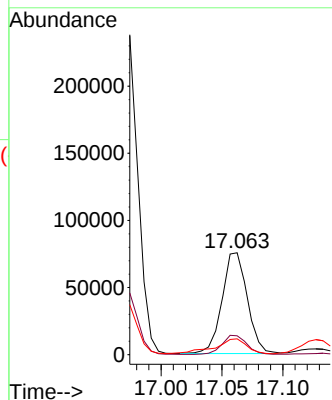
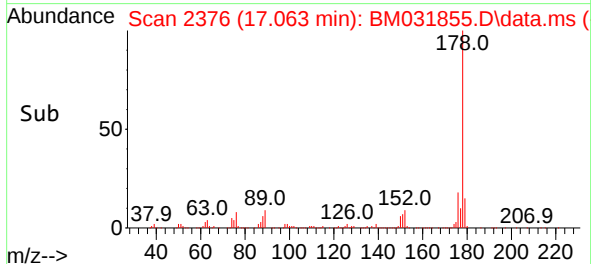
Instrument :
 BNA_M
 ClientSampleId :
 SWCS-17-0306



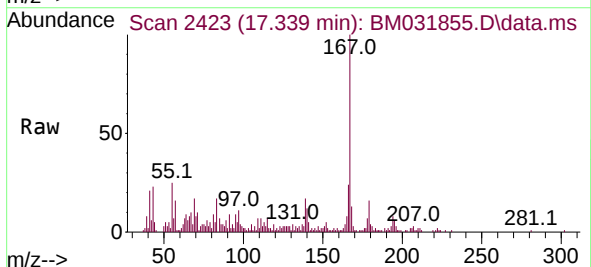
Tgt Ion:178 Resp: 108508
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.4
 179 15.5 12.5 18.7

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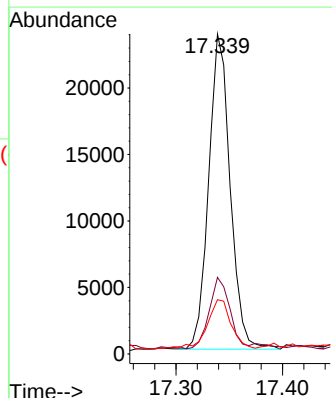
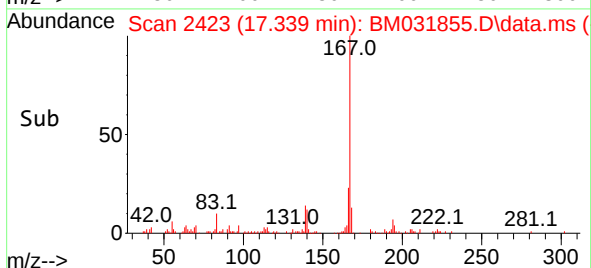
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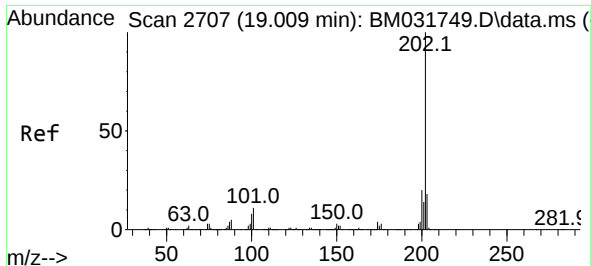


#73
 Carbazole
 Concen: 2.847 ng
 RT: 17.339 min Scan# 2423
 Delta R.T. -0.006 min
 Lab File: BM031855.D
 Acq: 20 Aug 2021 23:24



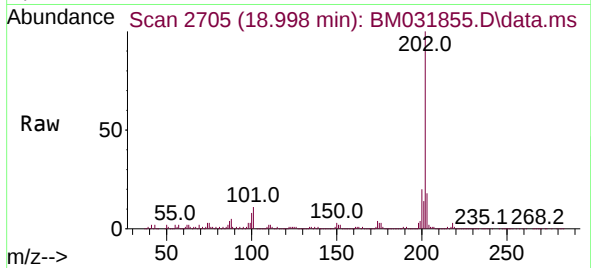
Tgt Ion:167 Resp: 33177
 Ion Ratio Lower Upper
 167 100
 166 24.0 17.4 26.0
 139 17.0 9.8 14.6#





#75
Fluoranthene
Concen: 41.787 ng
RT: 18.998 min Scan# 2705
Delta R.T. 0.000 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

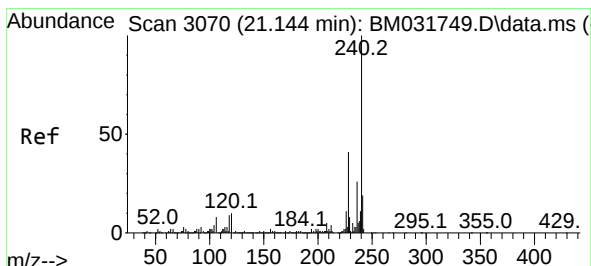
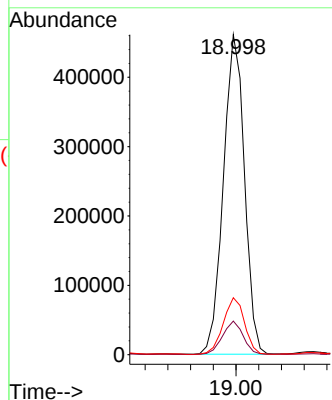
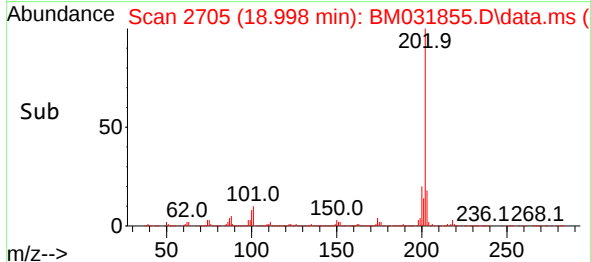
Instrument :
BNA_M
ClientSampleId :
SWCS-17-0306



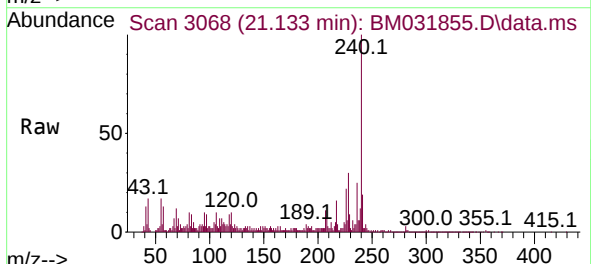
Tgt Ion:202 Resp: 593981
Ion Ratio Lower Upper
202 100
101 10.5 0.0 28.6
203 17.8 0.0 37.3

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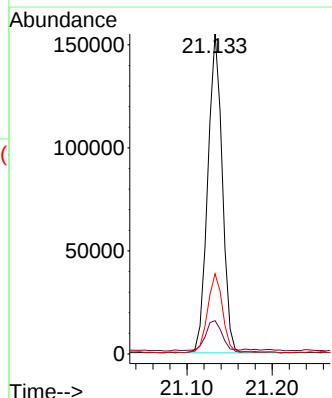
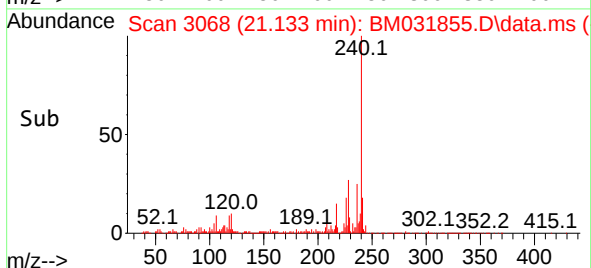
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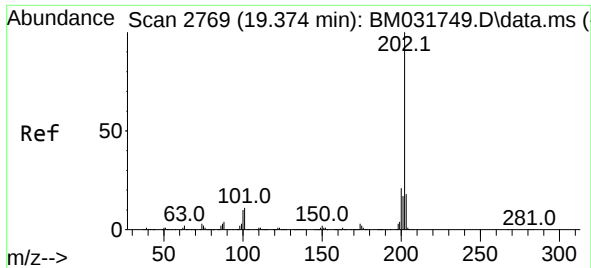


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.133 min Scan# 3068
Delta R.T. 0.000 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24



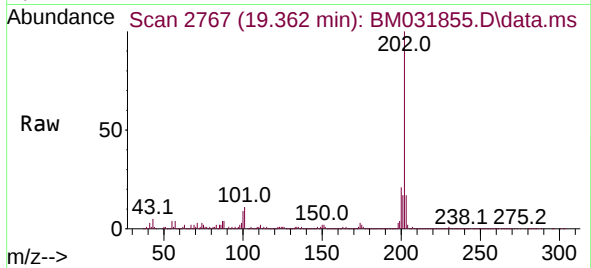
Tgt Ion:240 Resp: 183053
Ion Ratio Lower Upper
240 100
120 10.4 7.0 10.6
236 25.1 21.0 31.4





#78
Pyrene
Concen: 41.137 ng
RT: 19.362 min Scan# 2767
Delta R.T. 0.000 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

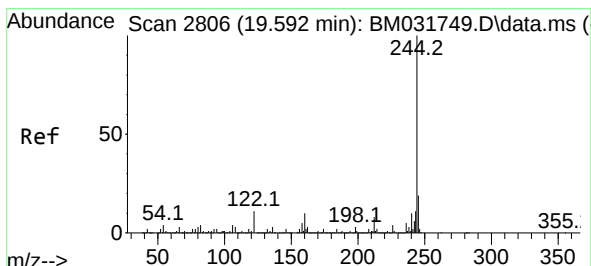
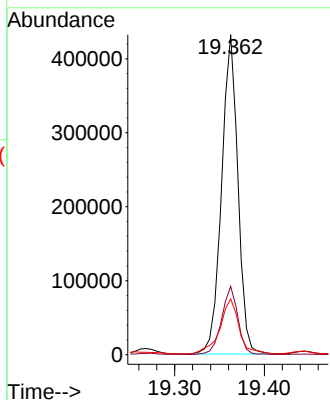
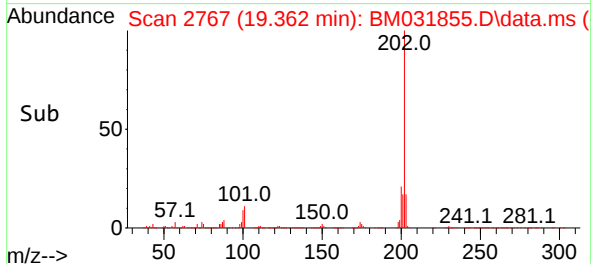
Instrument :
BNA_M
ClientSampleId :
SWCS-17-0306



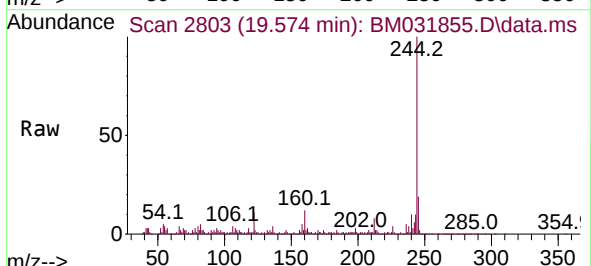
Tgt Ion:202 Resp: 545521
Ion Ratio Lower Upper
202 100
200 21.3 17.3 25.9
203 17.5 13.9 20.9

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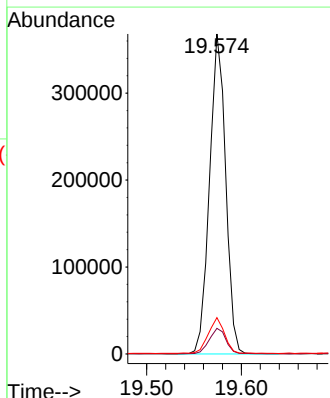
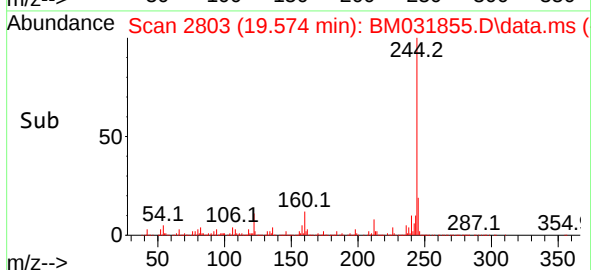
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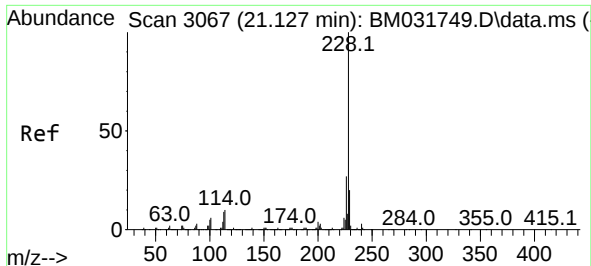


#79
Terphenyl-d14
Concen: 39.969 ng
RT: 19.574 min Scan# 2803
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24



Tgt Ion:244 Resp: 434250
Ion Ratio Lower Upper
244 100
212 8.0 6.3 9.5
122 11.4 6.9 10.3#





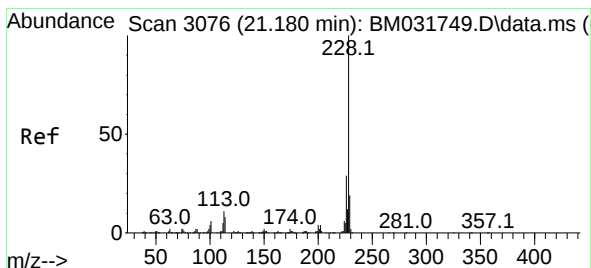
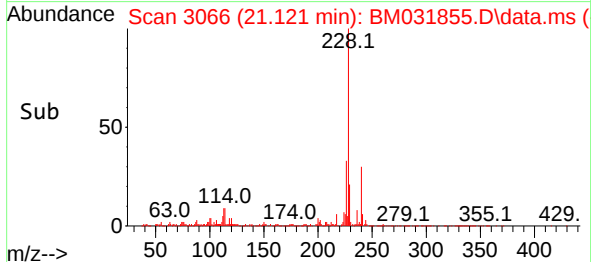
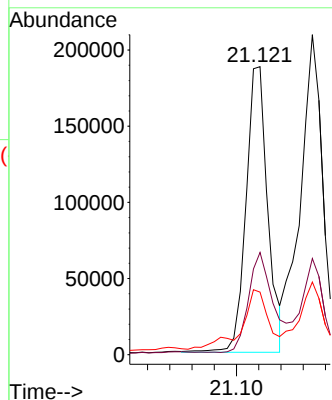
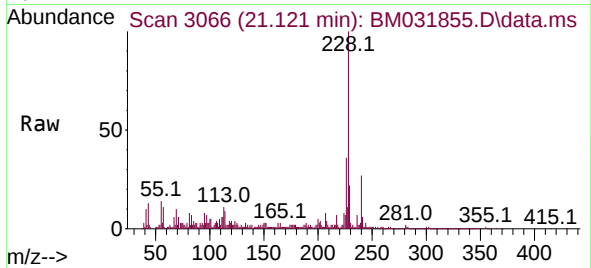
#81
Benzo(a)anthracene
Concen: 19.009 ng m
RT: 21.121 min Scan# 3066
Delta R.T. 0.000 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

Tgt Ion:228 Resp: 254870
Ion Ratio Lower Upper
228 100
226 35.5 22.3 33.5#
229 21.7 15.7 23.5

Instrument :
BNA_M
ClientSampleId :
SWCS-17-0306

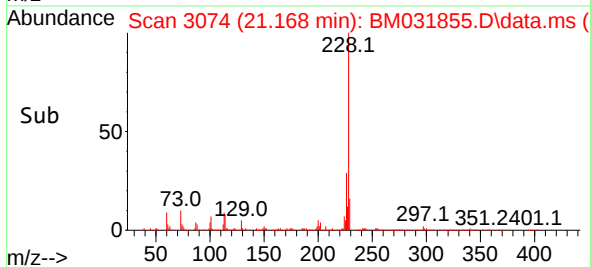
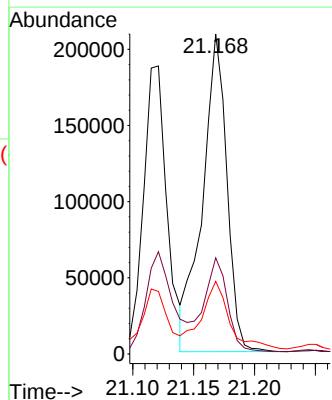
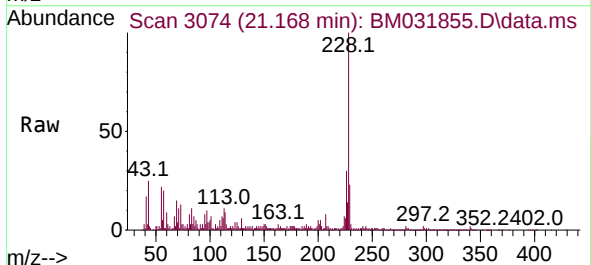
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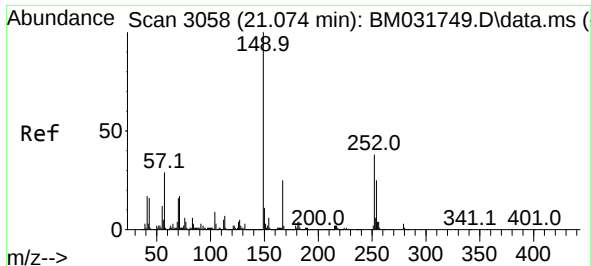
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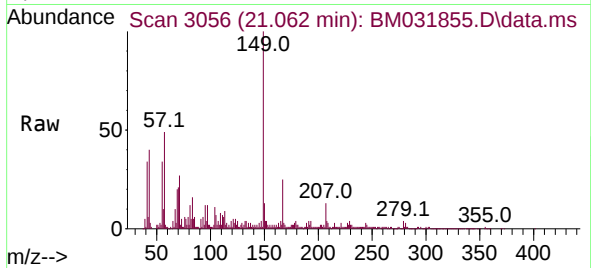
#83
Chrysene
Concen: 22.235 ng
RT: 21.168 min Scan# 3074
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

Tgt Ion:228 Resp: 290603
Ion Ratio Lower Upper
228 100
226 30.0 24.6 36.8
229 22.7 15.5 23.3

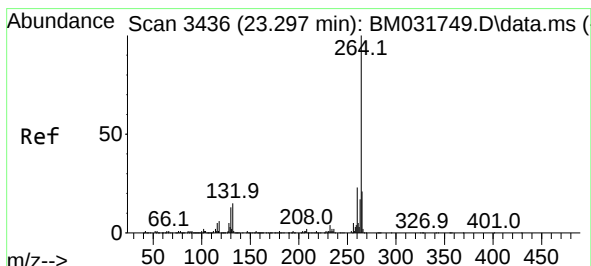
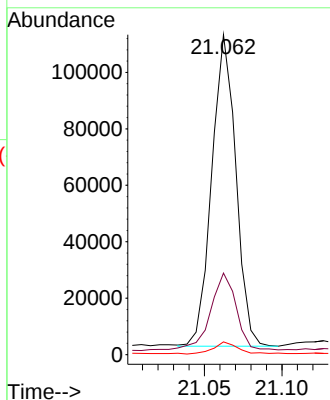
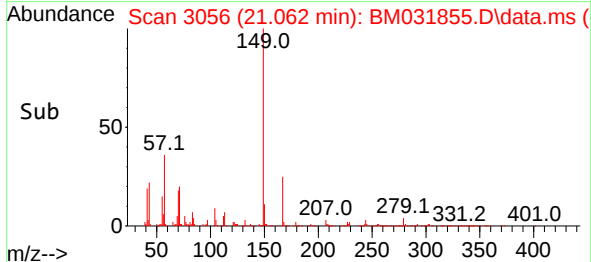




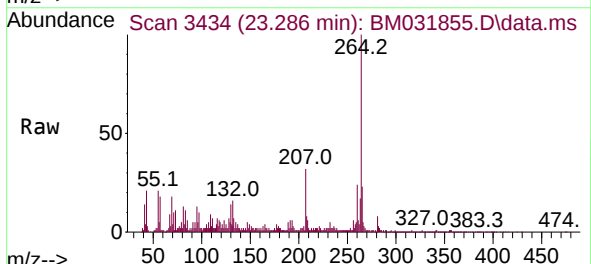
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 12.133 ng
 RT: 21.062 min Scan# 3056
 Delta R.T. -0.006 min
 Lab File: BM031855.D
 Acq: 20 Aug 2021 23:24



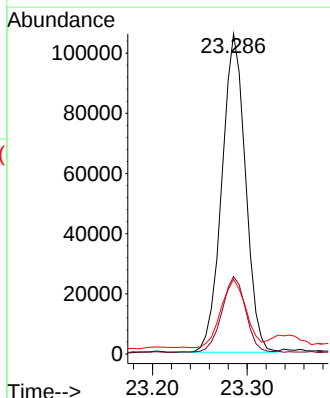
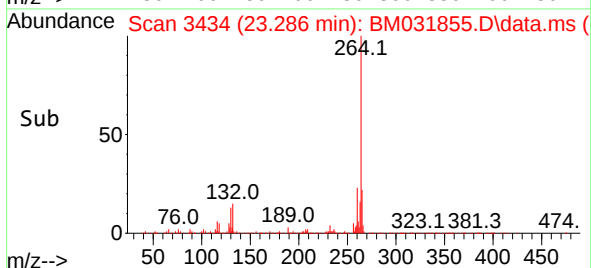
Tgt Ion:149 Resp: 119162
 Ion Ratio Lower Upper
 149 100
 167 25.5 22.6 33.8
 279 4.0 3.8 5.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.286 min Scan# 3434
 Delta R.T. 0.006 min
 Lab File: BM031855.D
 Acq: 20 Aug 2021 23:24



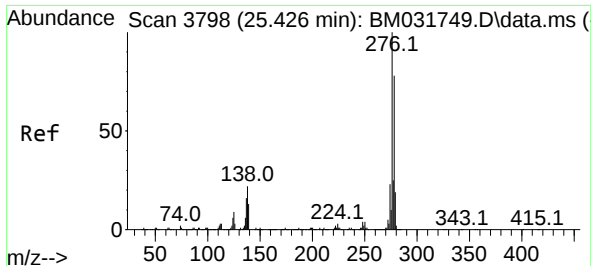
Tgt Ion:264 Resp: 183170
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.8 29.8
 265 23.3 17.7 26.5



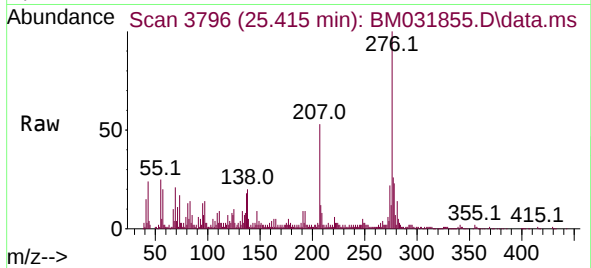
Instrument :
 BNA_M
 ClientSampleId :
 SWCS-17-0306

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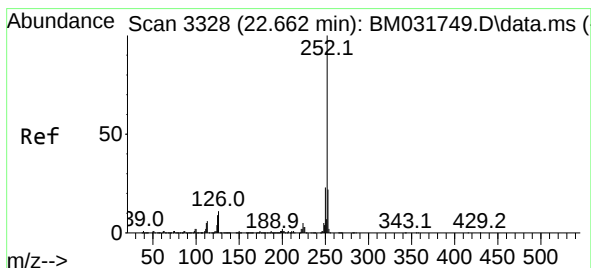
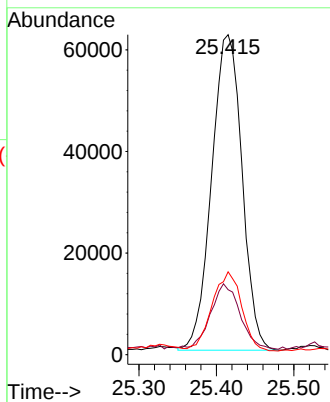
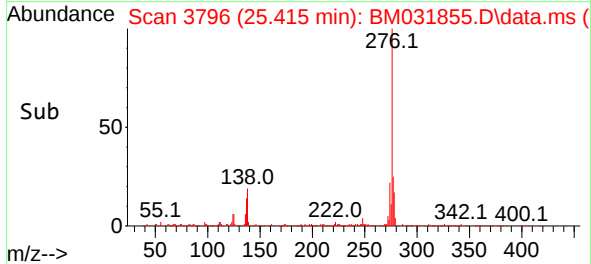
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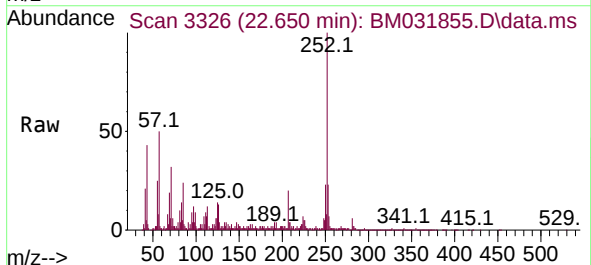
#87
Indeno(1,2,3-cd)pyrene
Concen: 13.104 ng
RT: 25.415 min Scan# 3796
Delta R.T. 0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24



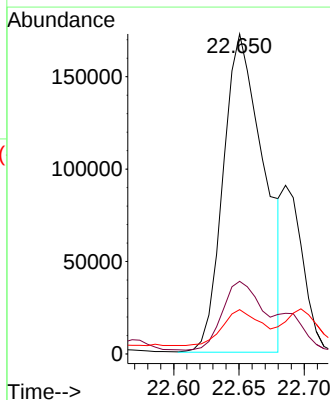
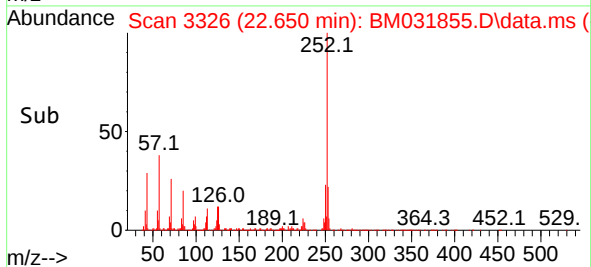
Tgt Ion:276 Resp: 169153
Ion Ratio Lower Upper
276 100
138 20.3 17.1 25.7
277 24.4 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 27.248 ng m
RT: 22.650 min Scan# 3326
Delta R.T. 0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24



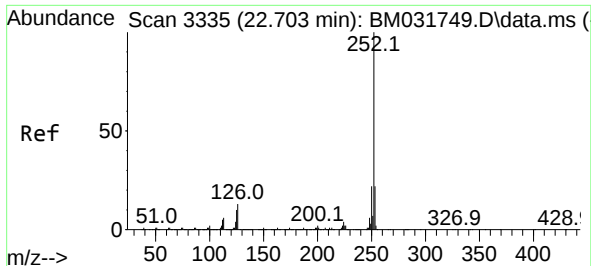
Tgt Ion:252 Resp: 374732
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 13.9 6.8 10.2#



Instrument :
BNA_M
ClientSampleId :
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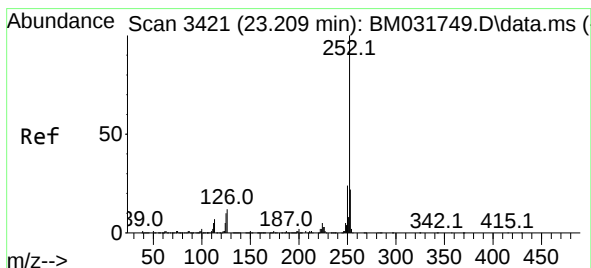
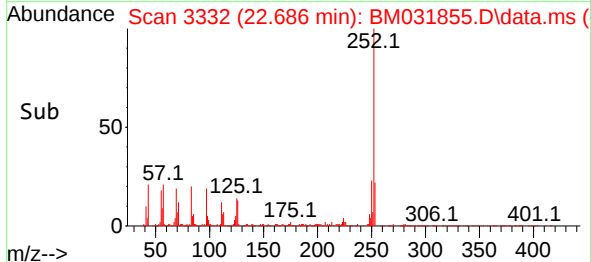
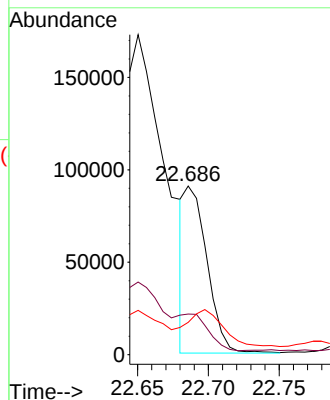
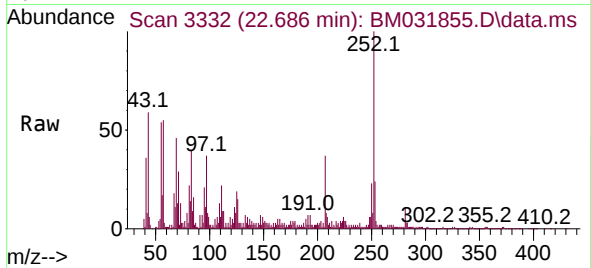
#89
Benzo(k)fluoranthene
Concen: 7.467 ng m
RT: 22.686 min Scan# 3332
Delta R.T. -0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

Tgt Ion:252 Resp: 99123
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 19.2 6.2 9.2#

Instrument :
BNA_M
ClientSampleId :
SWCS-17-0306

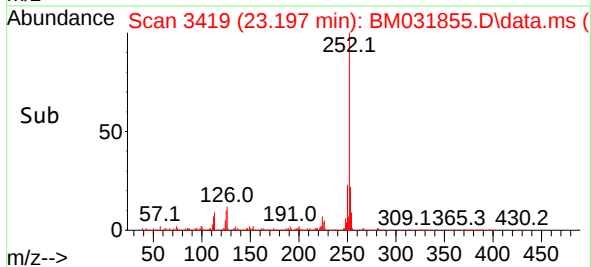
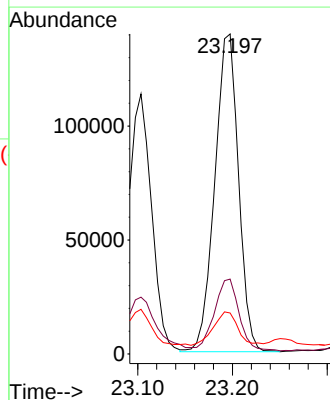
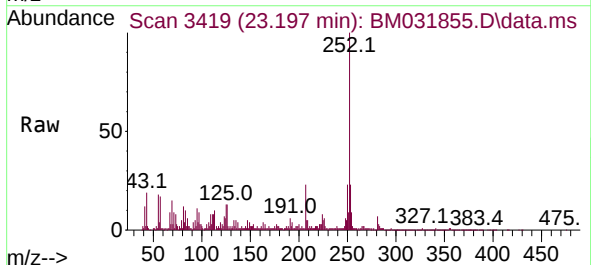
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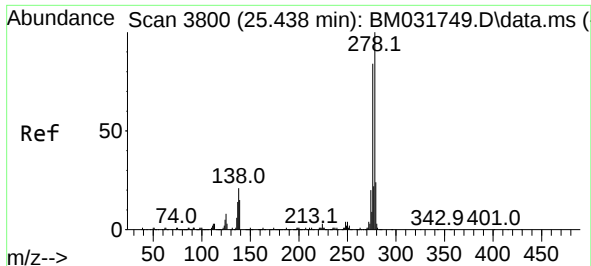
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#90
Benzo(a)pyrene
Concen: 19.939 ng
RT: 23.197 min Scan# 3419
Delta R.T. 0.006 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

Tgt Ion:252 Resp: 242791
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 12.8 7.3 10.9#





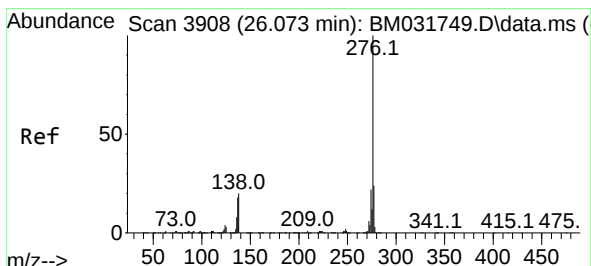
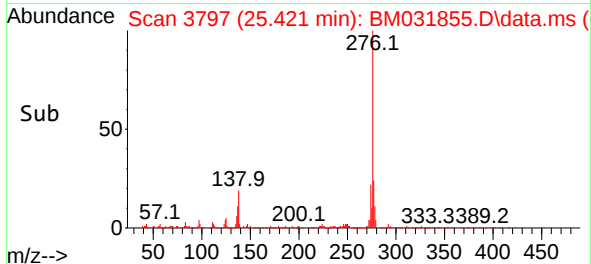
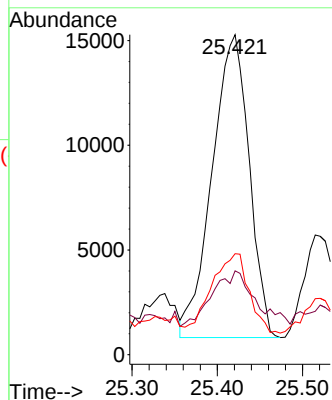
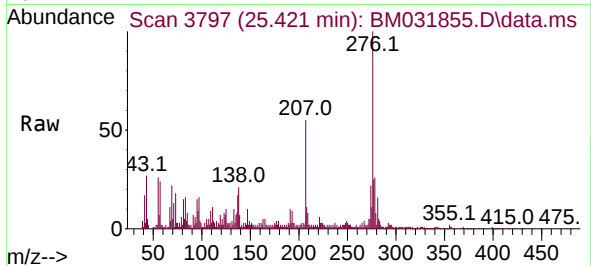
#91
Dibenzo(a,h)anthracene
Concen: 3.852 ng
RT: 25.421 min Scan# 3797
Delta R.T. 0.000 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.2	11.0	16.4#
279	31.5	18.7	28.1#

Instrument :
BNA_M
ClientSampleId :
SWCS-17-0306

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#92
Benzo(g,h,i)perylene
Concen: 16.614 ng
RT: 26.068 min Scan# 3907
Delta R.T. 0.018 min
Lab File: BM031855.D
Acq: 20 Aug 2021 23:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.2
138	20.0	14.4	21.6

