

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082021\
 Data File : BM031842.D
 Acq On : 20 Aug 2021 15:14
 Operator : CG/JU
 Sample : M3394-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-02-0510

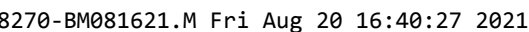
Quant Time: Aug 20 16:40:17 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 18 14:13:35 2021
 Response via : Initial Calibration

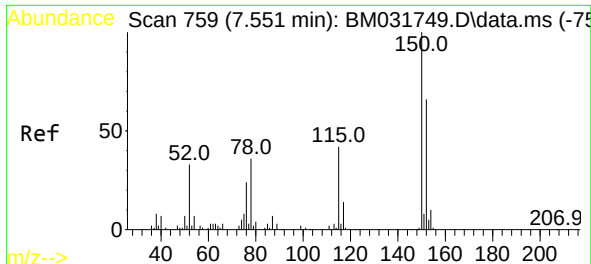
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.539	152	53150	20.000	ng	0.00
21) Naphthalene-d8	10.298	136	198940	20.000	ng	# 0.00
39) Acenaphthene-d10	14.174	164	107551	20.000	ng	0.00
64) Phenanthrene-d10	16.933	188	198389	20.000	ng	# 0.00
76) Chrysene-d12	21.139	240	183493	20.000	ng	0.00
86) Perylene-d12	23.291	264	189127	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	340817	102.918	ng	0.00
7) Phenol-d6	6.739	99	409587	85.357	ng	0.00
23) Nitrobenzene-d5	8.686	82	286749	60.352	ng	0.00
42) 2,4,6-Tribromophenol	15.680	330	96551	72.889	ng	0.00
45) 2-Fluorobiphenyl	12.786	172	435734	53.925	ng	0.00
79) Terphenyl-d14	19.580	244	440437	40.442	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.892	152	136124	12.514	ng	99
58) Fluorene	15.233	166	27314	2.971	ng	# 93
71) Phenanthrene	16.974	178	352828	29.161	ng	100
72) Anthracene	17.062	178	129337	10.904	ng	100
75) Fluoranthene	19.003	202	613813	42.354	ng	99
78) Pyrene	19.368	202	709149	53.348	ng	99
81) Benzo(a)anthracene	21.174	228	287648	21.402	ng	94
83) Chrysene	21.174	228	287648	21.956	ng	97
87) Indeno(1,2,3-cd)pyrene	25.415	276	153175	11.493	ng	99
88) Benzo(b)fluoranthene	22.656	252	385285	27.133	ng	# 95
89) Benzo(k)fluoranthene	22.656	252	385285	28.111	ng	# 94
90) Benzo(a)pyrene	23.197	252	247760	19.707	ng	# 98
91) Dibenzo(a,h)anthracene	25.421	278	38308	3.268	ng	# 77
92) Benzo(g,h,i)perylene	26.062	276	157682	14.773	ng	97

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

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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

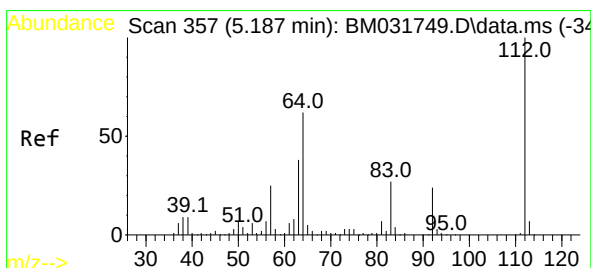
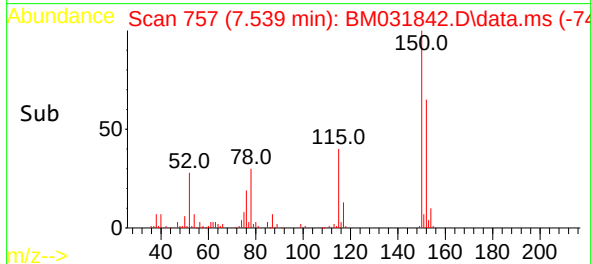
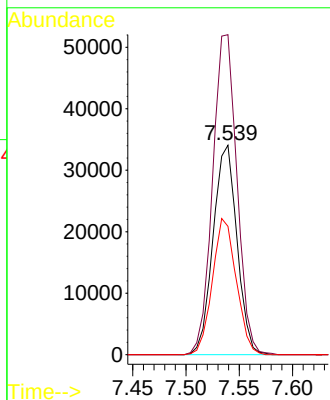
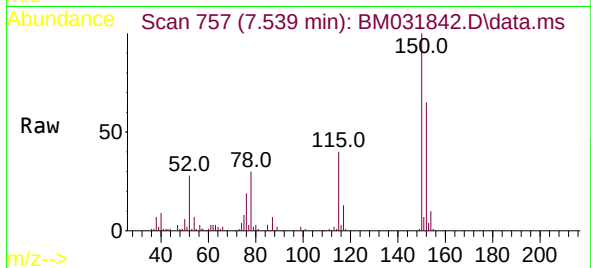




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.539 min Scan# 757
Delta R.T. -0.001 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

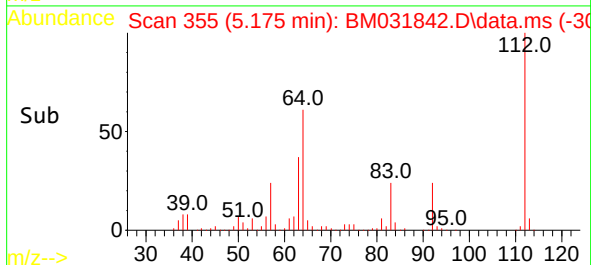
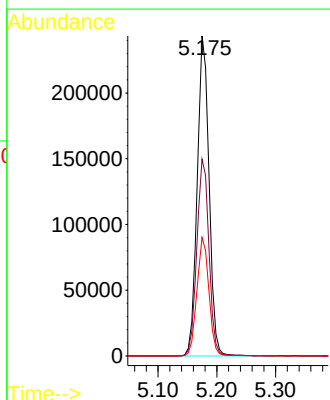
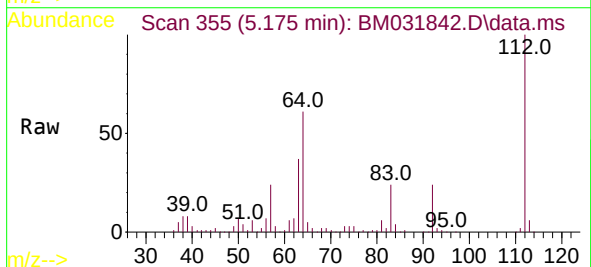
Instrument :
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SWCS-02-0510

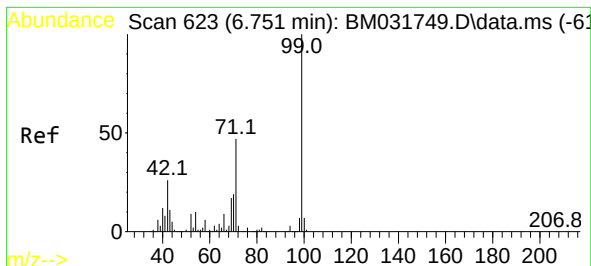
Tgt Ion:152 Resp: 53150
Ion Ratio Lower Upper
152 100
150 152.8 125.9 188.9
115 61.3 44.6 67.0



#5
2-Fluorophenol
Concen: 102.918 ng
RT: 5.175 min Scan# 355
Delta R.T. -0.000 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

Tgt Ion:112 Resp: 340817
Ion Ratio Lower Upper
112 100
64 61.5 47.1 70.7
63 37.0 27.3 40.9

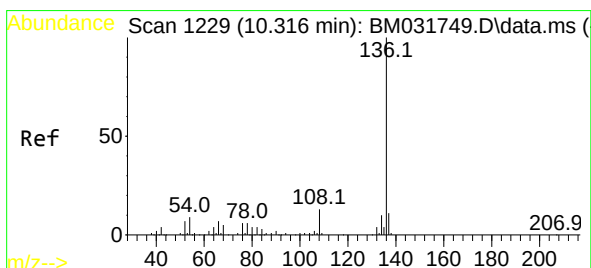
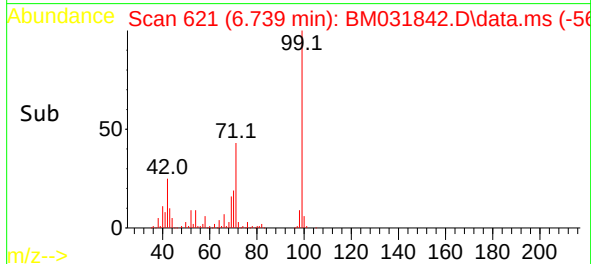
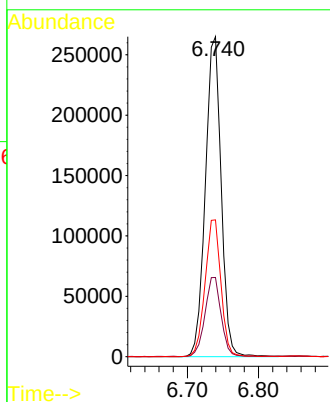
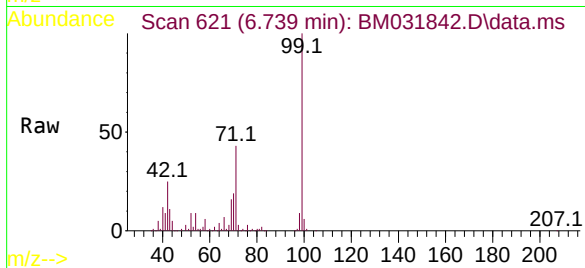




#7
Phenol-d6
Concen: 85.357 ng
RT: 6.739 min Scan# 621
Delta R.T. 0.006 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

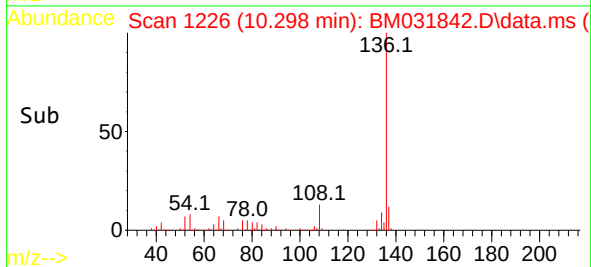
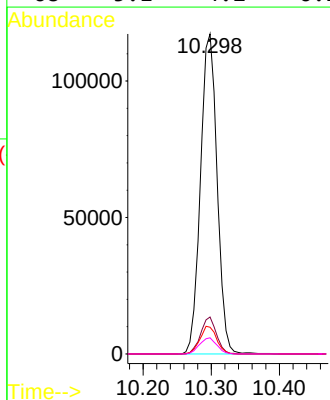
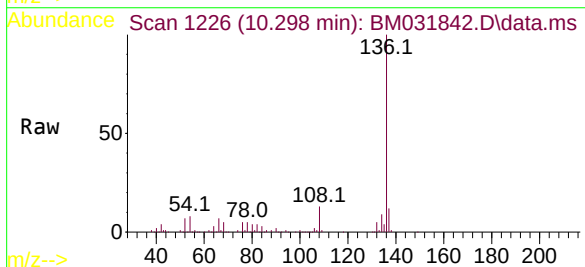
Instrument :
BNA_M
ClientSampleId :
SWCS-02-0510

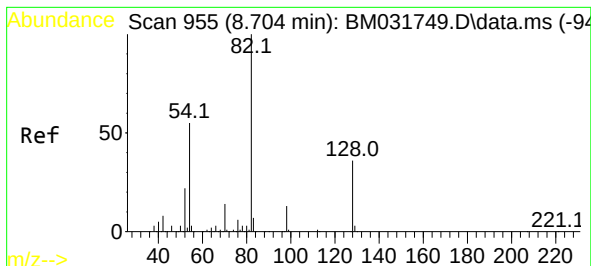
Tgt Ion: 99 Resp: 409587
Ion Ratio Lower Upper
99 100
42 24.7 18.0 27.0
71 42.8 30.9 46.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.298 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

Tgt Ion: 136 Resp: 198940
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 8.4 5.5 8.3#
68 5.1 4.2 6.2

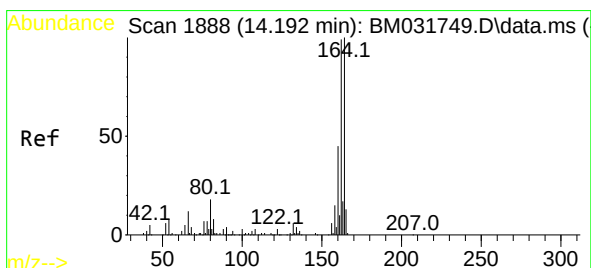
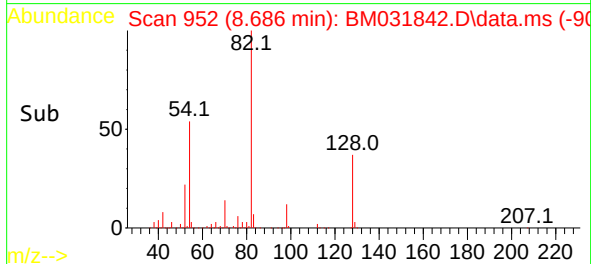
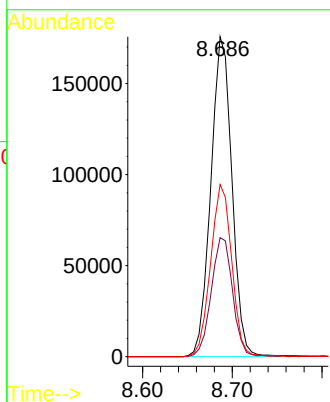
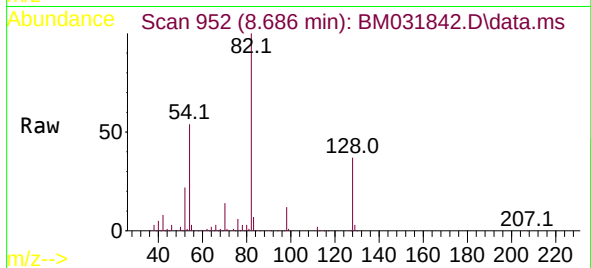




#23
Nitrobenzene-d5
Concen: 60.352 ng
RT: 8.686 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

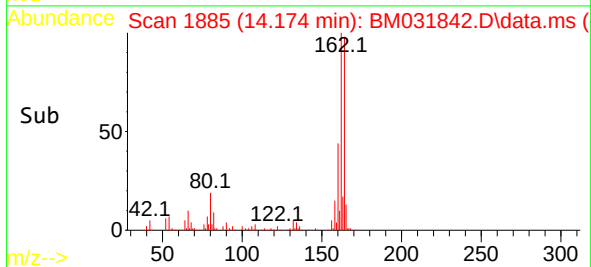
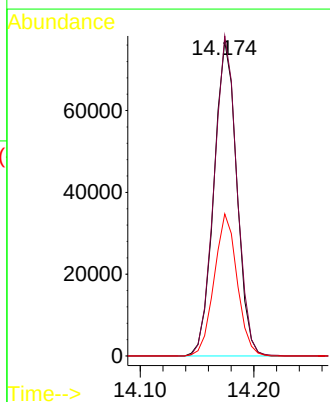
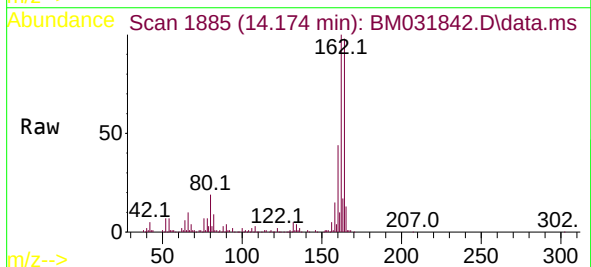
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BNA_M
ClientSampleId :
SWCS-02-0510

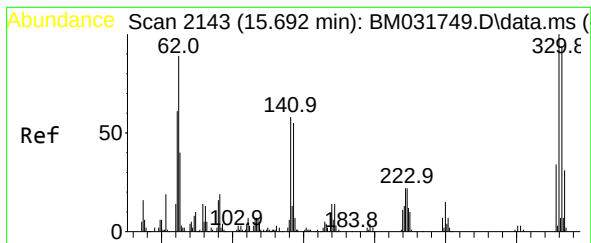
Tgt Ion: 82 Resp: 286749
Ion Ratio Lower Upper
82 100
128 37.2 31.1 46.7
54 53.8 37.3 55.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.174 min Scan# 1885
Delta R.T. -0.006 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

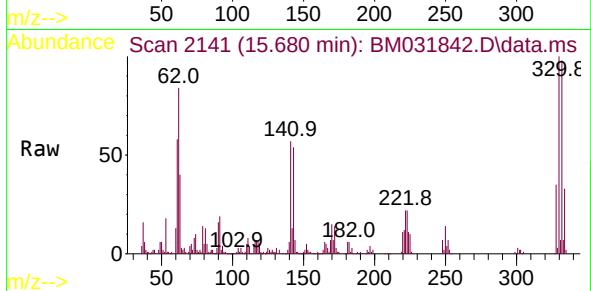
Tgt Ion: 164 Resp: 107551
Ion Ratio Lower Upper
164 100
162 101.8 83.4 125.0
160 45.2 37.2 55.8



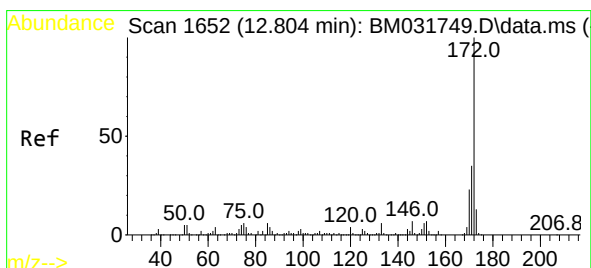
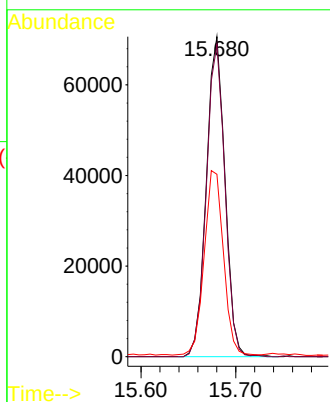
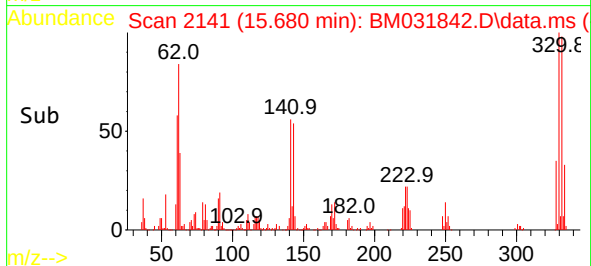


#42
2,4,6-Tribromophenol
Concen: 72.889 ng
RT: 15.680 min Scan# 2141
Delta R.T. -0.000 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

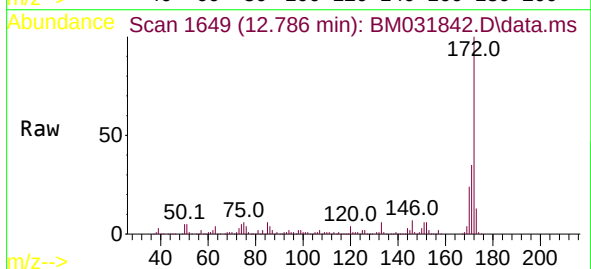
Instrument :
BNA_M
ClientSampleId :
SWCS-02-0510



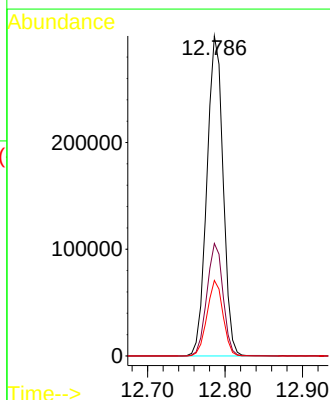
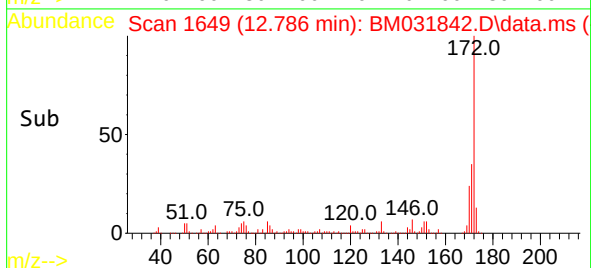
Tgt Ion:330 Resp: 96551
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 59.4 30.2 45.2#

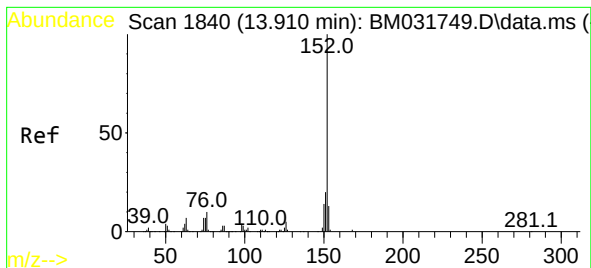


#45
2-Fluorobiphenyl
Concen: 53.925 ng
RT: 12.786 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14



Tgt Ion:172 Resp: 435734
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.6 18.4 27.6





#49

Acenaphthylene

Concen: 12.514 ng

RT: 13.892 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BM031842.D

Acq: 20 Aug 2021 15:14

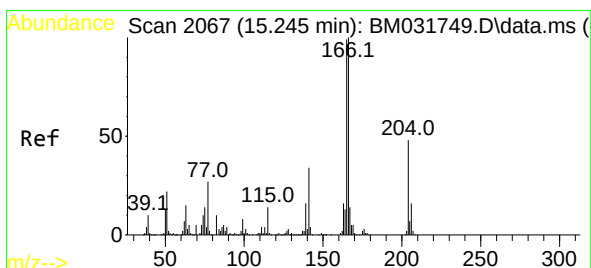
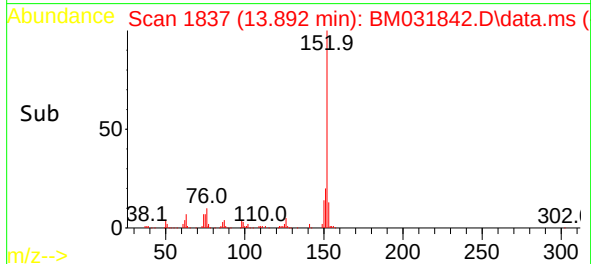
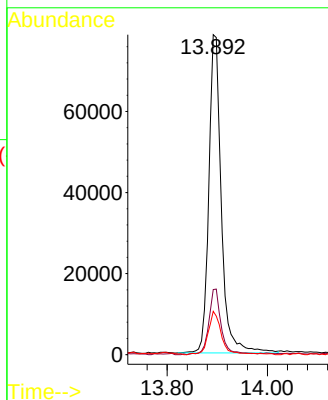
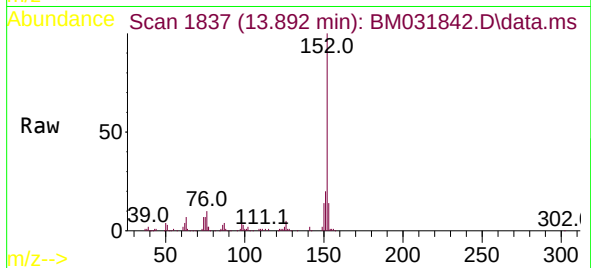
Tgt Ion:	152	Resp:	136124
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.3	24.5
153	13.5	10.2	15.4

Instrument :

BNA_M

ClientSampleId :

SWCS-02-0510



#58

Fluorene

Concen: 2.971 ng

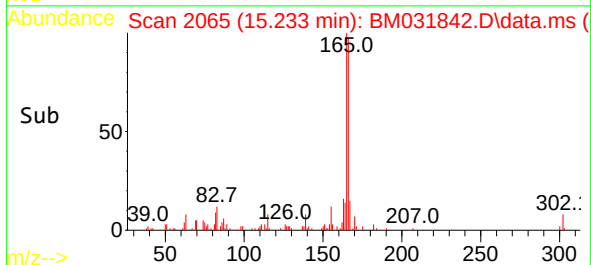
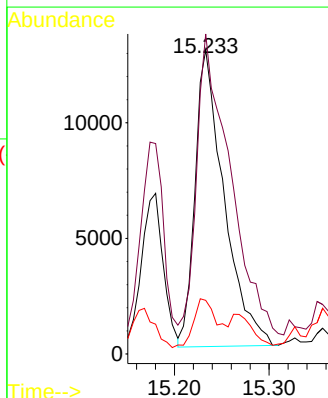
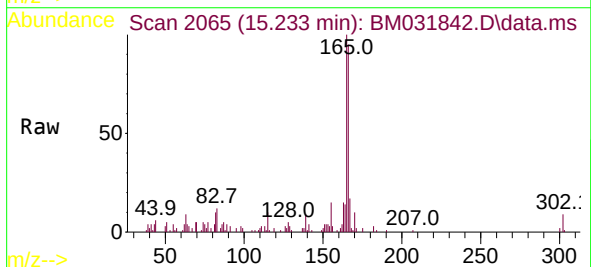
RT: 15.233 min Scan# 2065

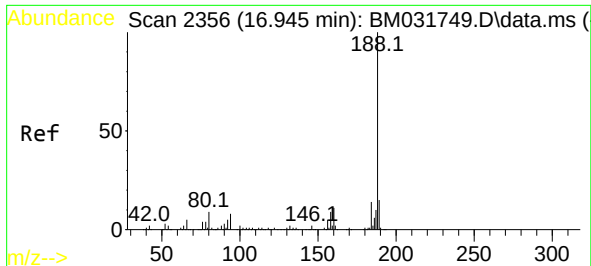
Delta R.T. -0.000 min

Lab File: BM031842.D

Acq: 20 Aug 2021 15:14

Tgt Ion:	166	Resp:	27314
Ion Ratio	Lower	Upper	
166	100		
165	105.2	79.0	118.6
167	17.6	10.8	16.2#

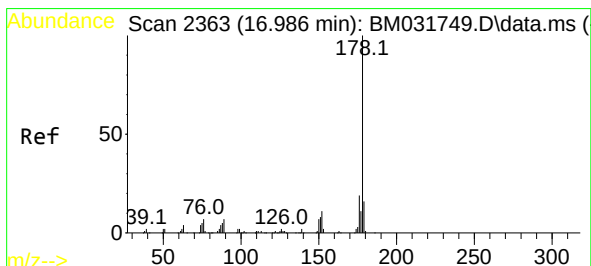
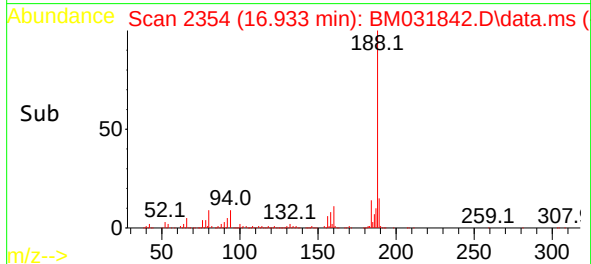
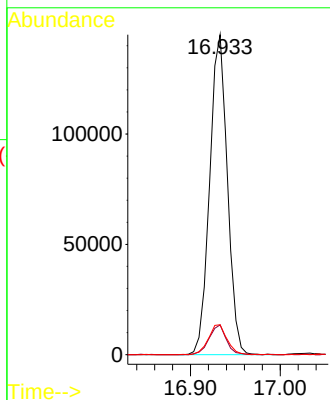
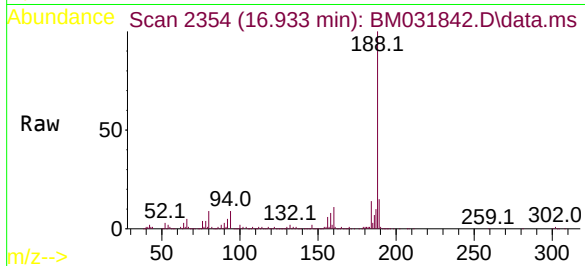




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.933 min Scan# 2354
Delta R.T. -0.000 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

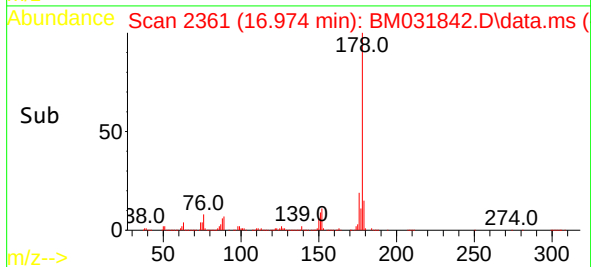
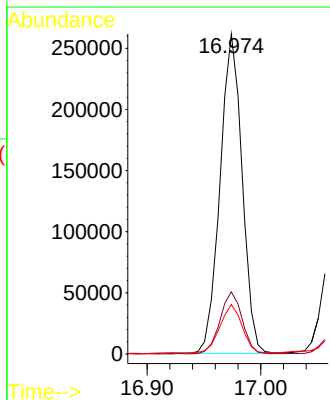
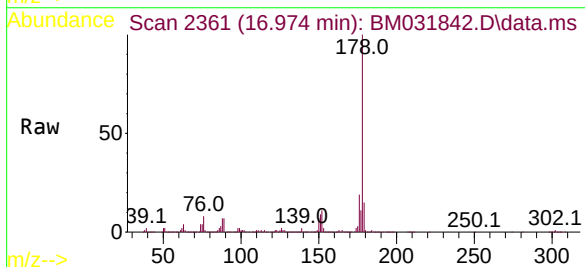
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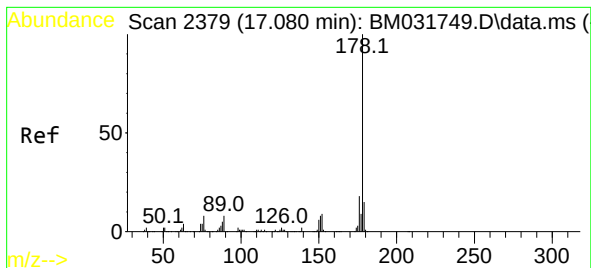
Tgt Ion:188 Resp: 198389
Ion Ratio Lower Upper
188 100
94 9.3 6.0 9.0#
80 9.4 6.6 9.8



#71
Phenanthrene
Concen: 29.161 ng
RT: 16.974 min Scan# 2361
Delta R.T. -0.000 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

Tgt Ion:178 Resp: 352828
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.5 12.2 18.4

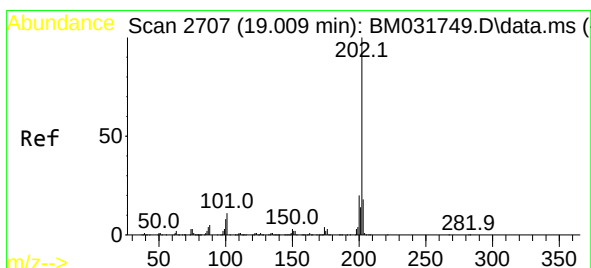
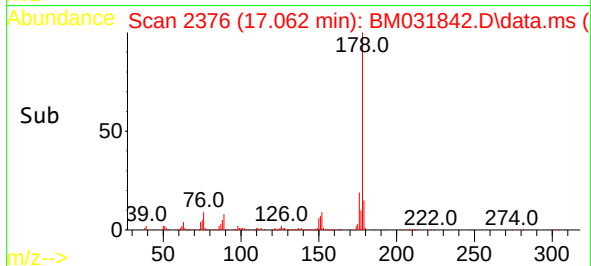
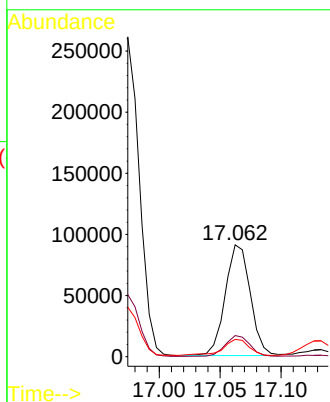
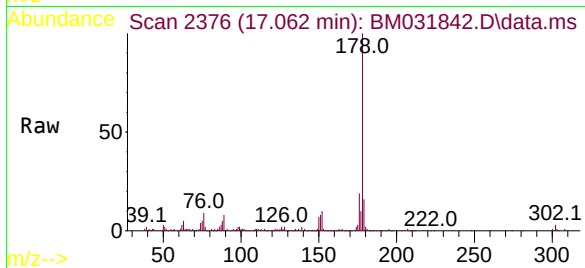




#72
 Anthracene
 Concen: 10.904 ng
 RT: 17.062 min Scan# 2376
 Delta R.T. -0.006 min
 Lab File: BM031842.D
 Acq: 20 Aug 2021 15:14

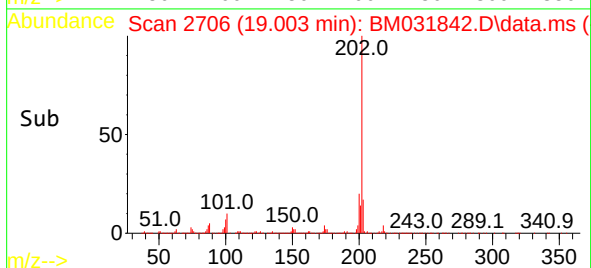
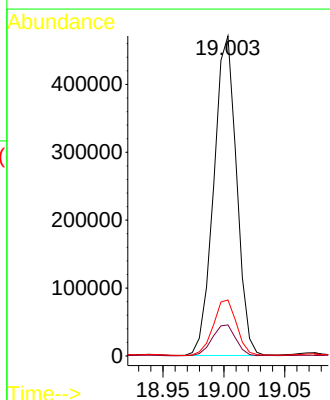
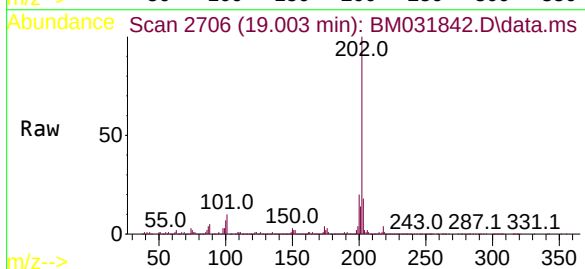
Instrument :
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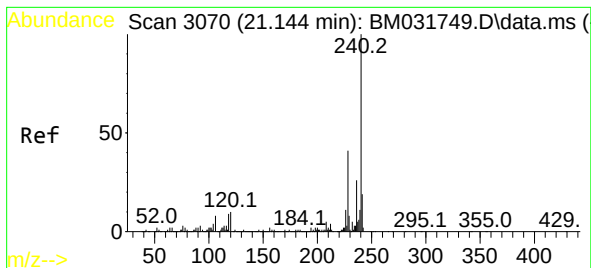
Tgt Ion:178 Resp: 129337
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.4
 179 15.5 12.5 18.7



#75
 Fluoranthene
 Concen: 42.354 ng
 RT: 19.003 min Scan# 2706
 Delta R.T. 0.006 min
 Lab File: BM031842.D
 Acq: 20 Aug 2021 15:14

Tgt Ion:202 Resp: 613813
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 28.6
 203 17.5 0.0 37.3

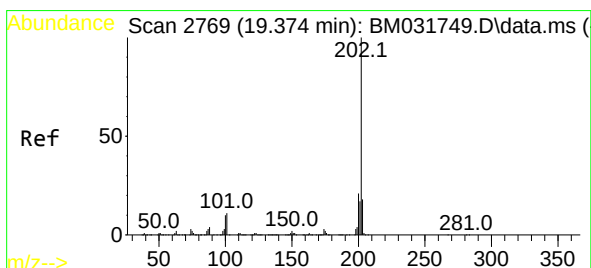
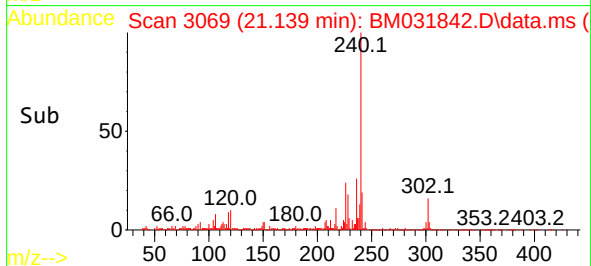
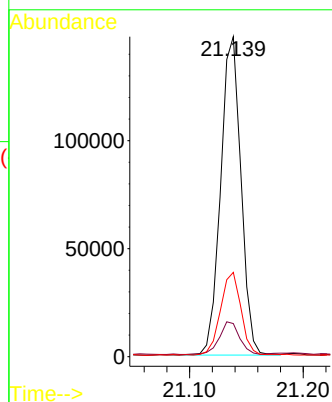
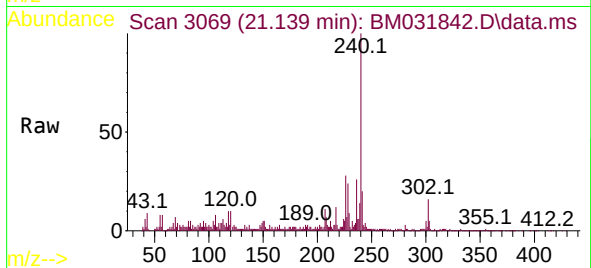




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.139 min Scan# 3069
Delta R.T. 0.006 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

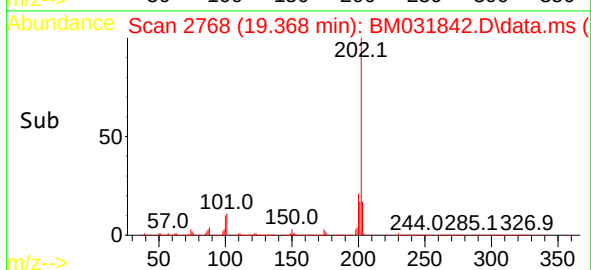
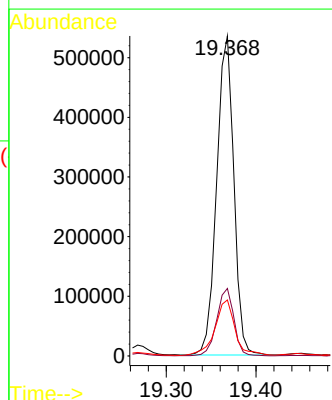
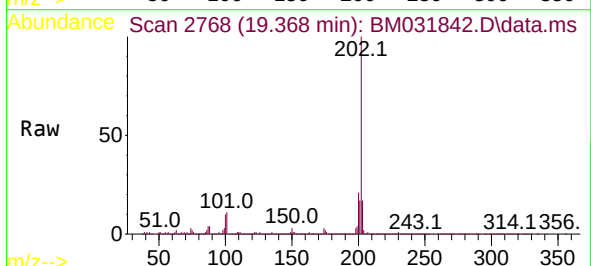
Instrument :
BNA_M
ClientSampleId :
SWCS-02-0510

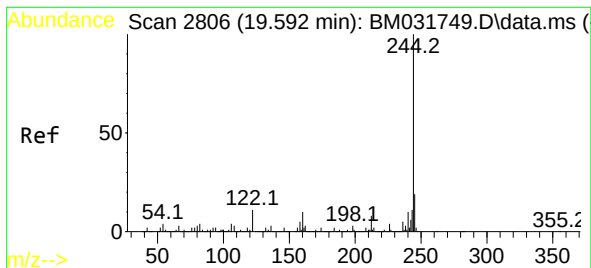
Tgt Ion:240 Resp: 183493
Ion Ratio Lower Upper
240 100
120 10.4 7.0 10.6
236 26.4 21.0 31.4



#78
Pyrene
Concen: 53.348 ng
RT: 19.368 min Scan# 2768
Delta R.T. 0.006 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

Tgt Ion:202 Resp: 709149
Ion Ratio Lower Upper
202 100
200 21.1 17.3 25.9
203 17.5 13.9 20.9





#79

Terphenyl-d14

Concen: 40.442 ng

RT: 19.580 min Scan# 2804

Delta R.T. -0.000 min

Lab File: BM031842.D

Acq: 20 Aug 2021 15:14

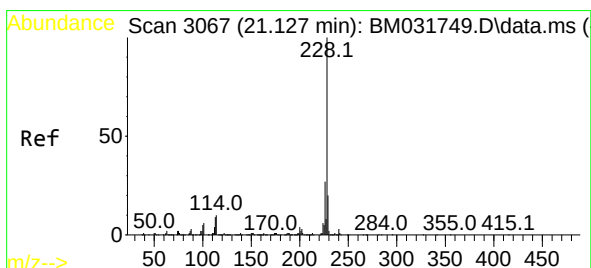
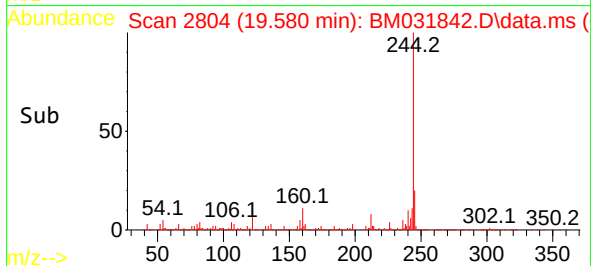
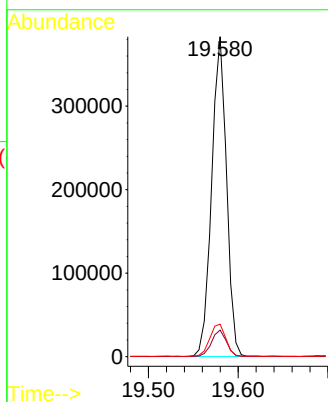
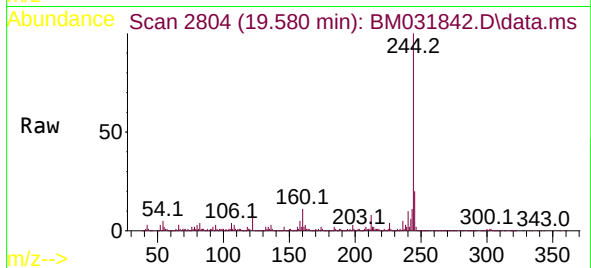
Tgt Ion:	244	Resp:	440437
Ion Ratio	Lower	Upper	
244	100		
212	8.3	6.3	9.5
122	10.2	6.9	10.3

Instrument :

BNA_M

ClientSampleId :

SWCS-02-0510



#81

Benzo(a)anthracene

Concen: 21.402 ng

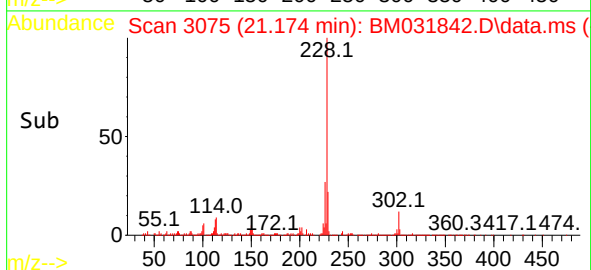
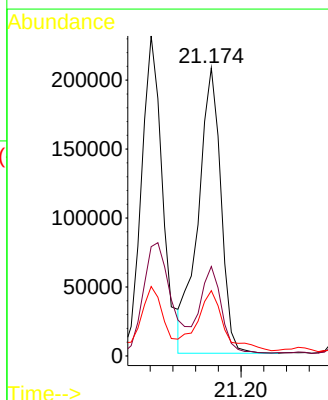
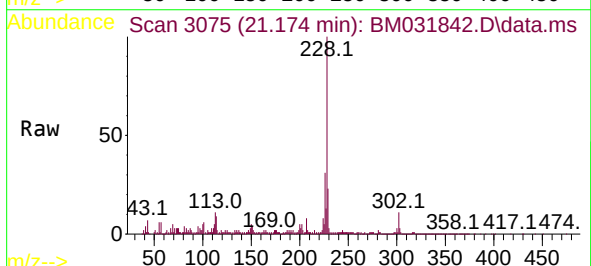
RT: 21.174 min Scan# 3075

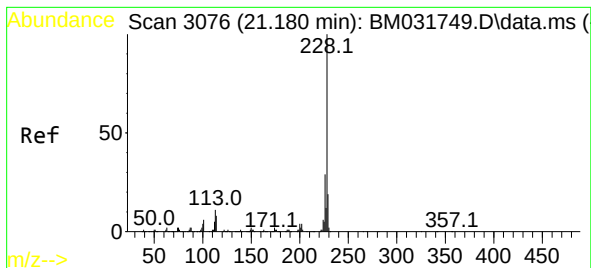
Delta R.T. 0.053 min

Lab File: BM031842.D

Acq: 20 Aug 2021 15:14

Tgt Ion:	228	Resp:	287648
Ion Ratio	Lower	Upper	
228	100		
226	31.0	22.3	33.5
229	22.7	15.7	23.5





#83

Chrysene

Concen: 21.956 ng

RT: 21.174 min Scan# 3075

Delta R.T. -0.000 min

Lab File: BM031842.D

Acq: 20 Aug 2021 15:14

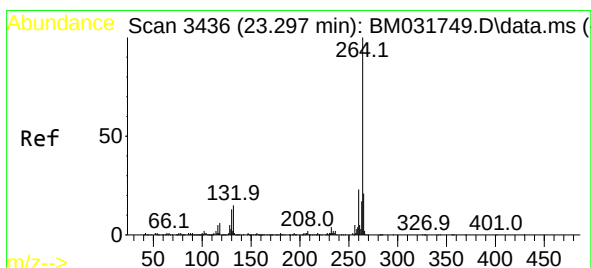
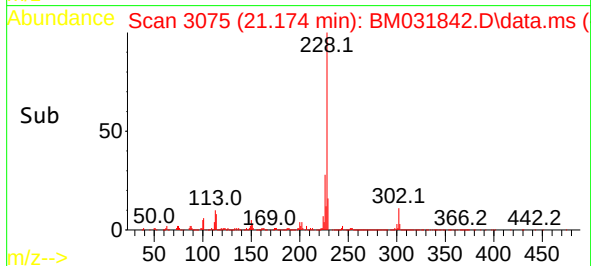
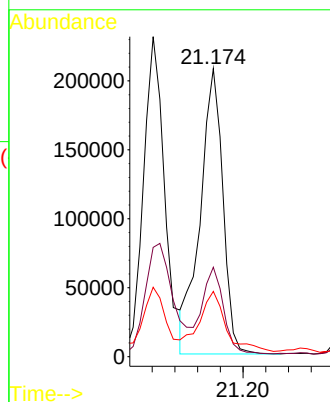
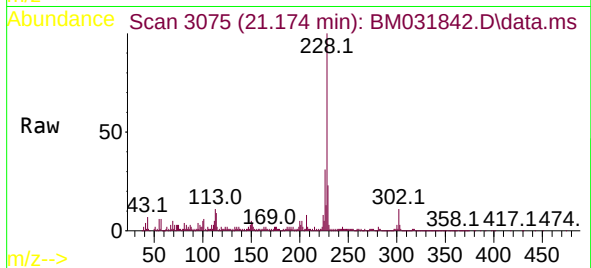
Tgt Ion:	228	Resp:	287648
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.6	36.8
229	22.7	15.5	23.3

Instrument :

BNA_M

ClientSampleId :

SWCS-02-0510



#86

Perylene-d12

Concen: 20.000 ng

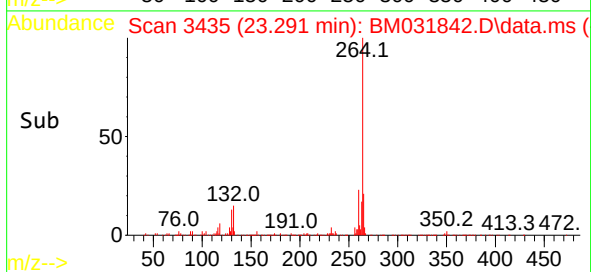
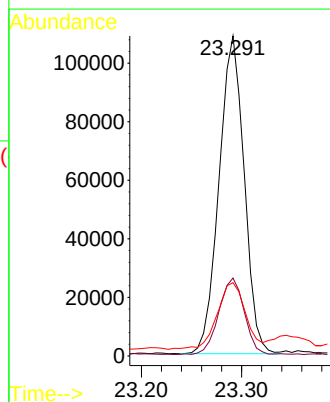
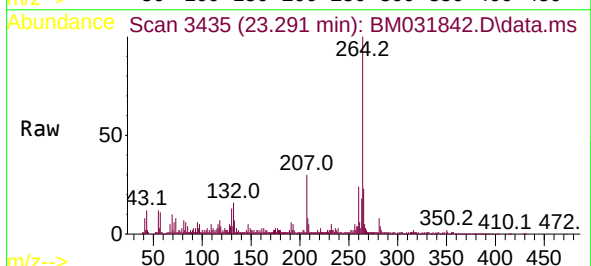
RT: 23.291 min Scan# 3435

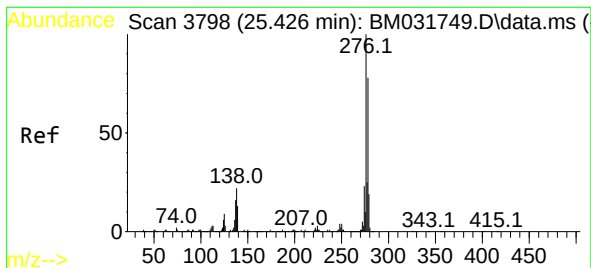
Delta R.T. 0.012 min

Lab File: BM031842.D

Acq: 20 Aug 2021 15:14

Tgt Ion:	264	Resp:	189127
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.8	29.8
265	22.9	17.7	26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.493 ng

RT: 25.415 min Scan# 3796

Delta R.T. 0.006 min

Lab File: BM031842.D

Acq: 20 Aug 2021 15:14

Tgt Ion:276 Resp: 153175

Ion Ratio Lower Upper

276 100

138 20.6 17.1 25.7

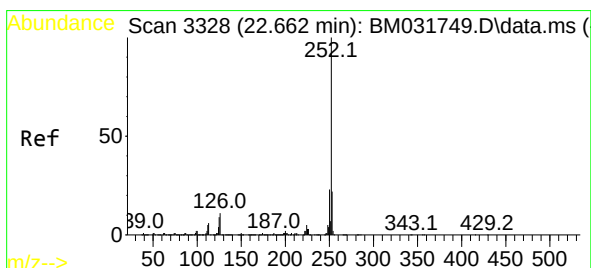
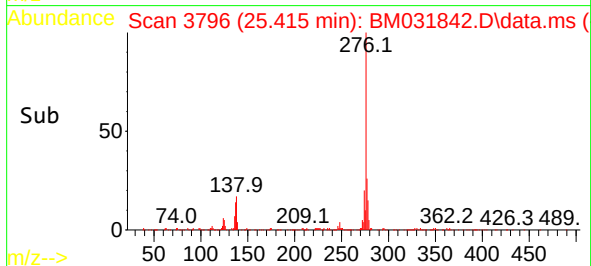
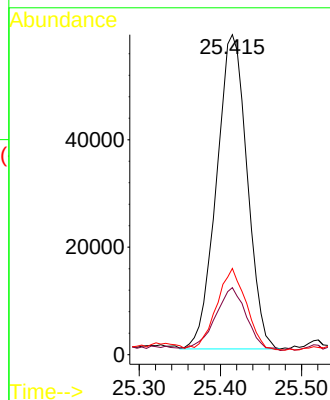
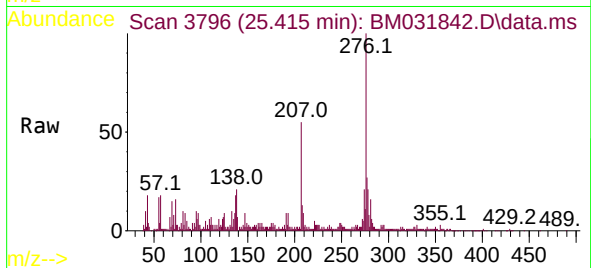
277 25.4 20.3 30.5

Instrument :

BNA_M

ClientSampleId :

SWCS-02-0510



#88

Benzo(b)fluoranthene

Concen: 27.133 ng

RT: 22.656 min Scan# 3327

Delta R.T. 0.012 min

Lab File: BM031842.D

Acq: 20 Aug 2021 15:14

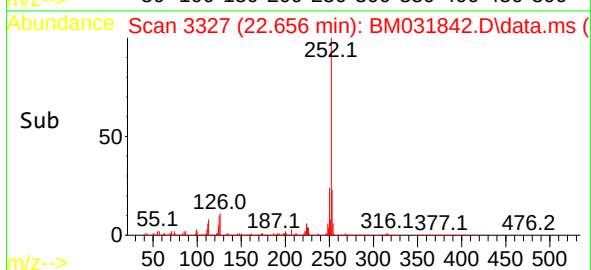
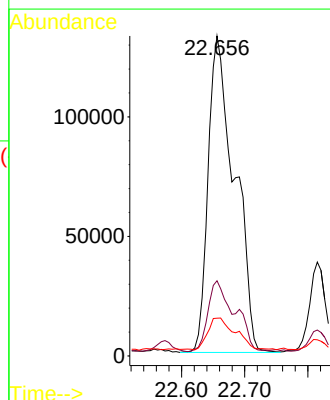
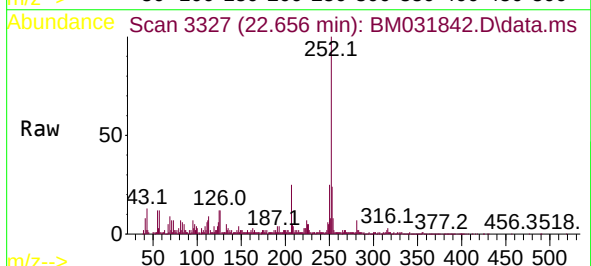
Tgt Ion:252 Resp: 385285

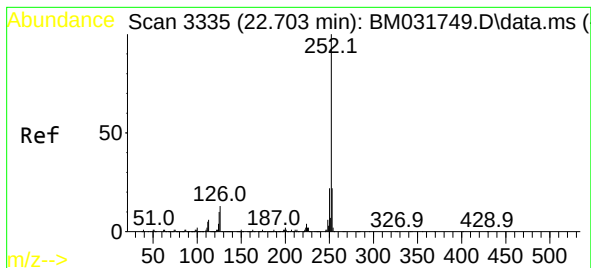
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 11.8 6.8 10.2#





#89

Benzo(k)fluoranthene

Concen: 28.111 ng

RT: 22.656 min Scan# 3327

Delta R.T. -0.035 min

Lab File: BM031842.D

Acq: 20 Aug 2021 15:14

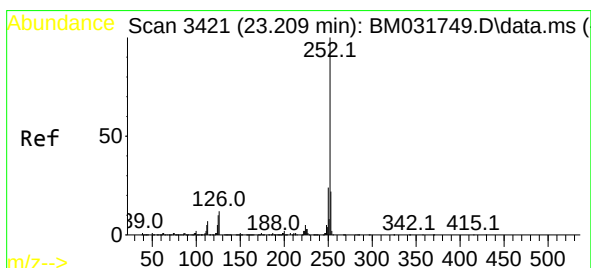
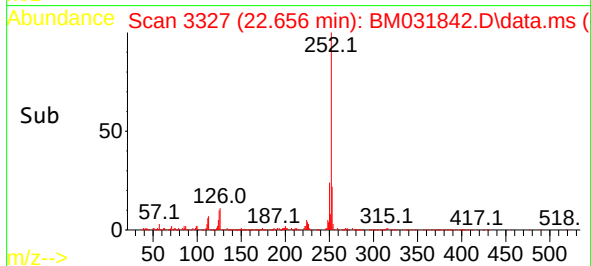
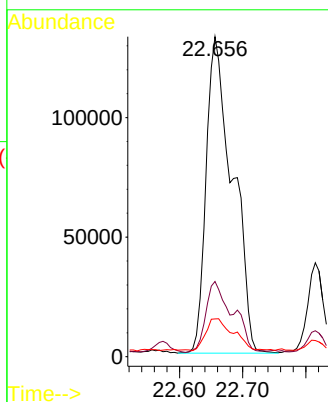
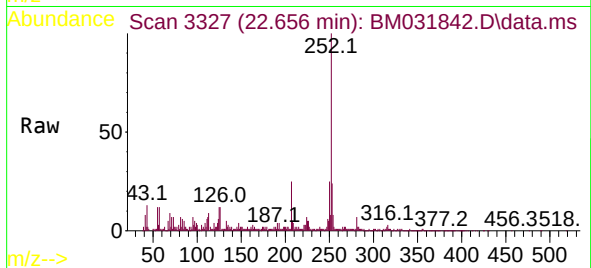
Tgt Ion:252	Resp:	385285
Ion Ratio	Lower	Upper
252	100	
253	23.5	17.4 26.2
125	11.8	6.2 9.2#

Instrument :

BNA_M

ClientSampleId :

SWCS-02-0510



#90

Benzo(a)pyrene

Concen: 19.707 ng

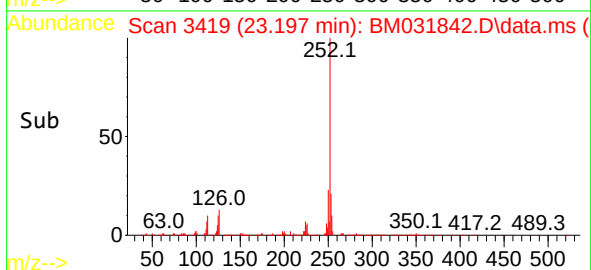
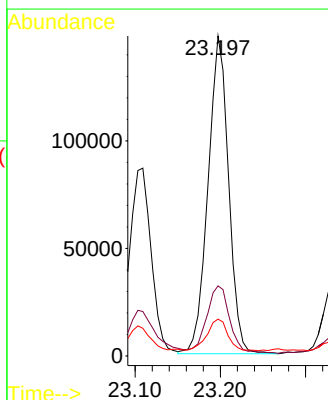
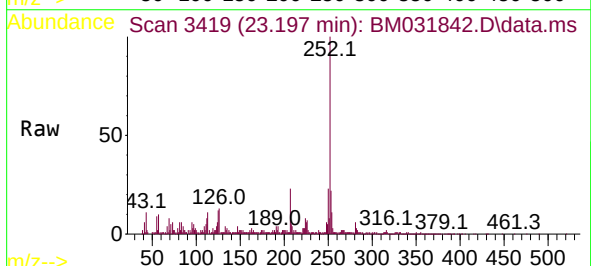
RT: 23.197 min Scan# 3419

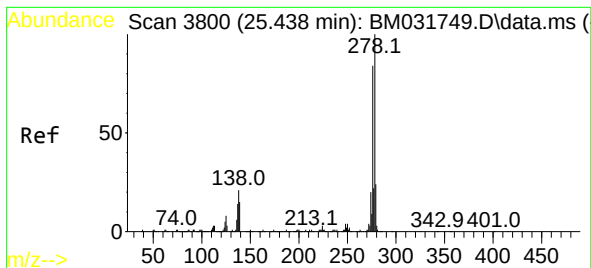
Delta R.T. 0.006 min

Lab File: BM031842.D

Acq: 20 Aug 2021 15:14

Tgt Ion:252	Resp:	247760
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.7 26.5
125	11.5	7.3 10.9#

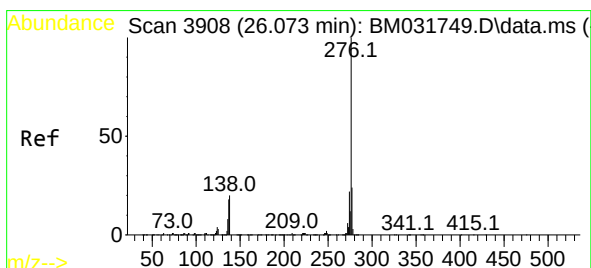
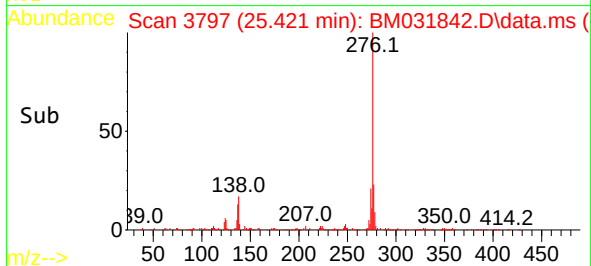
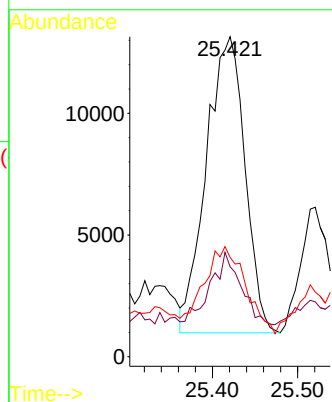
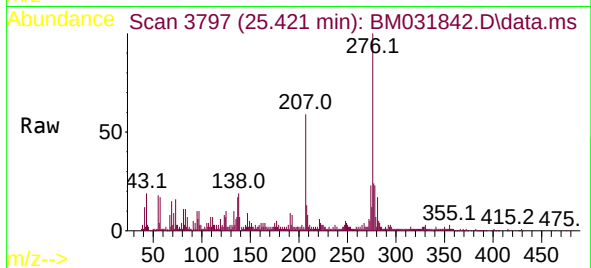




#91
Dibenzo(a,h)anthracene
Concen: 3.268 ng
RT: 25.421 min Scan# 3797
Delta R.T. -0.000 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

Instrument :
BNA_M
ClientSampleId :
SWCS-02-0510

Tgt Ion:278 Resp: 38308
Ion Ratio Lower Upper
278 100
139 28.1 11.0 16.4#
279 31.0 18.7 28.1#



#92
Benzo(g,h,i)perylene
Concen: 14.773 ng
RT: 26.062 min Scan# 3906
Delta R.T. 0.012 min
Lab File: BM031842.D
Acq: 20 Aug 2021 15:14

Tgt Ion:276 Resp: 157682
Ion Ratio Lower Upper
276 100
277 23.4 19.4 29.2
138 19.9 14.4 21.6

