

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081921\
 Data File : BM031827.D
 Acq On : 19 Aug 2021 14:19
 Operator : CG/JU
 Sample : M3435-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-24-0003

Quant Time: Aug 19 17:09:26 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)

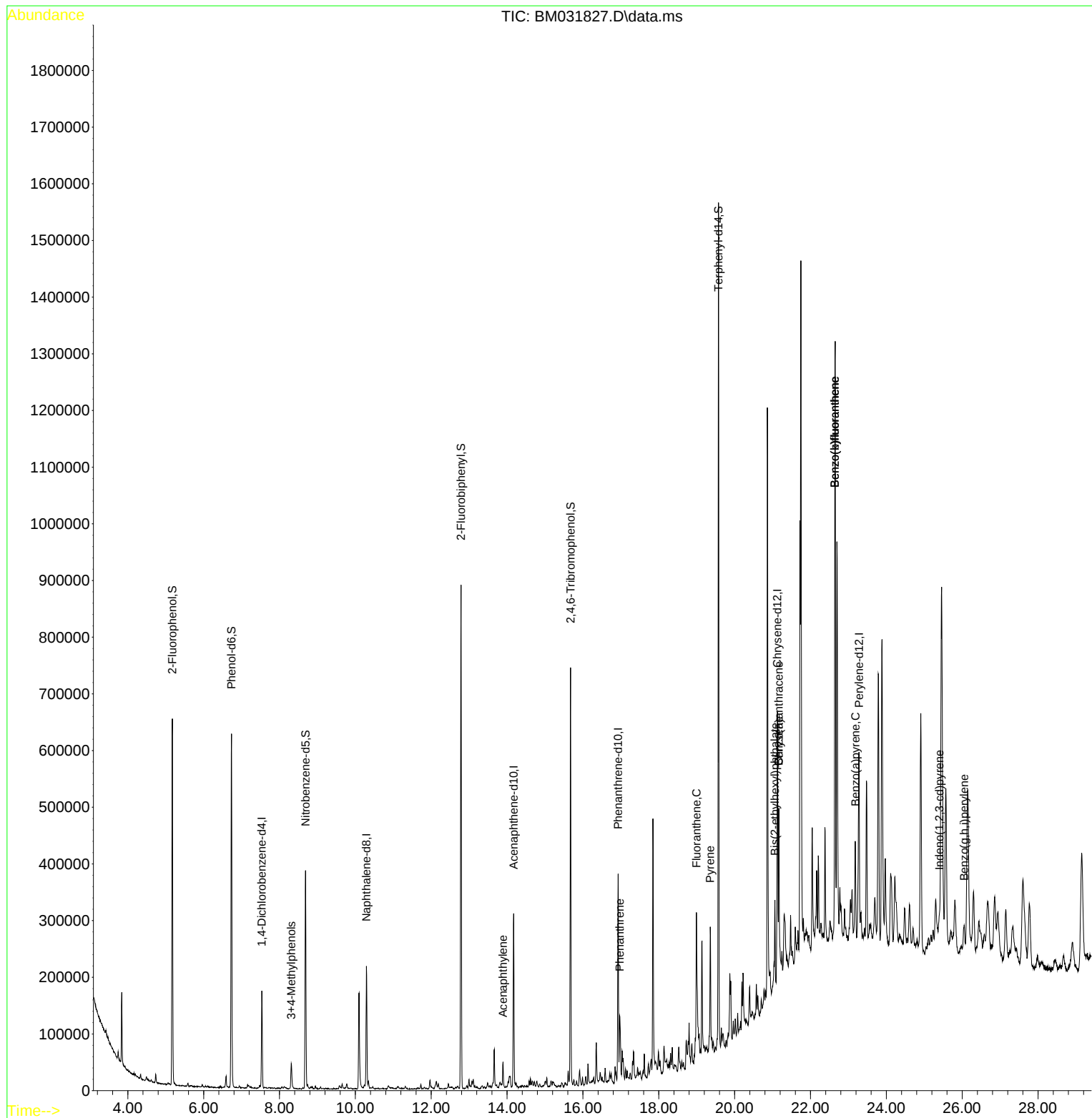
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.534	152	38634	20.000	ng	0.00
21) Naphthalene-d8	10.292	136	155252	20.000	ng	# 0.00
39) Acenaphthene-d10	14.174	164	94716	20.000	ng	0.00
64) Phenanthrene-d10	16.927	188	192212	20.000	ng	0.00
76) Chrysene-d12	21.127	240	178568	20.000	ng	0.00
86) Perylene-d12	23.280	264	185509	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	234597	97.460	ng	0.00
7) Phenol-d6	6.734	99	293664	84.194	ng	0.00
23) Nitrobenzene-d5	8.687	82	203874	54.984	ng	0.00
42) 2,4,6-Tribromophenol	15.674	330	92102	78.952	ng	0.00
45) 2-Fluorobiphenyl	12.786	172	390953	54.939	ng	0.00
79) Terphenyl-d14	19.574	244	573933	54.153	ng	0.00
Target Compounds						
						Qvalue
20) 3+4-Methylphenols	8.310	107	18118	5.260	ng	97
49) Acenaphthylene	13.892	152	31640	3.303	ng	96
71) Phenanthrene	16.968	178	58616	5.000	ng	98
75) Fluoranthene	18.992	202	118004	8.404	ng	99
78) Pyrene	19.356	202	111390	8.611	ng	99
81) Benzo(a)anthracene	21.162	228	70937	5.423	ng	97
83) Chrysene	21.162	228	70937	5.564	ng	97
84) Bis(2-ethylhexyl)phtha...	21.062	149	47712	4.980	ng	# 93
87) Indeno(1,2,3-cd)pyrene	25.397	276	48995	3.748	ng	98
88) Benzo(b)fluoranthene	22.639	252	129915	9.327	ng	# 93
89) Benzo(k)fluoranthene	22.639	252	129915	9.664	ng	# 92
90) Benzo(a)pyrene	23.186	252	54843	4.447	ng	# 91
92) Benzo(g,h,i)perylene	26.050	276	48529	4.635	ng	96

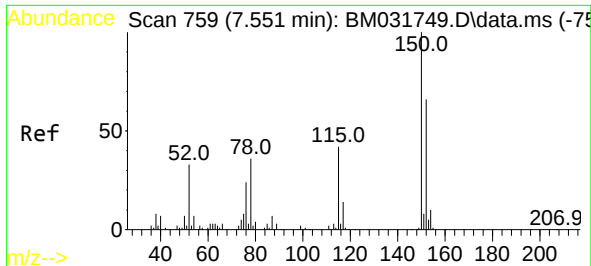
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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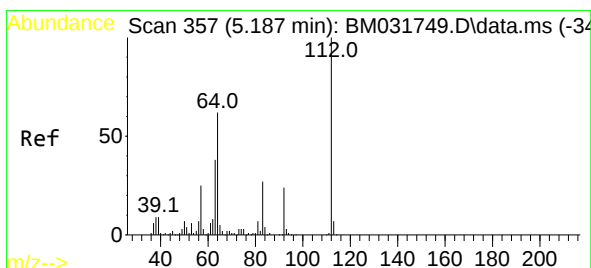
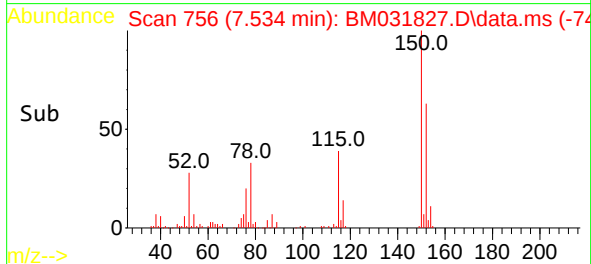
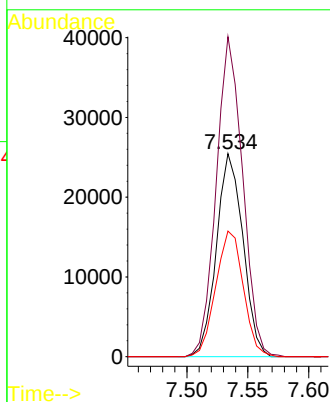
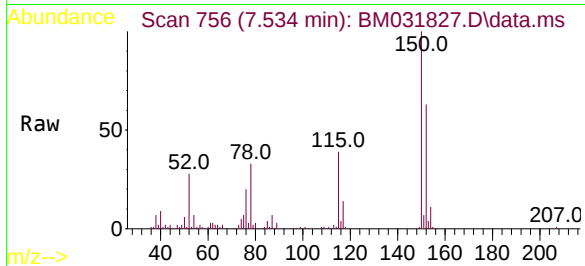




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

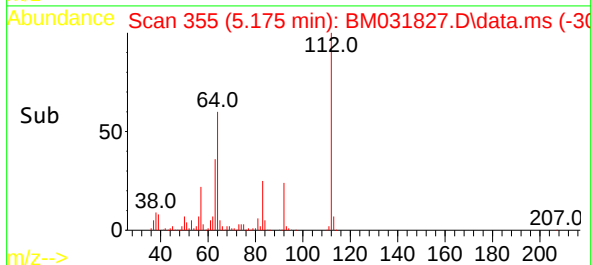
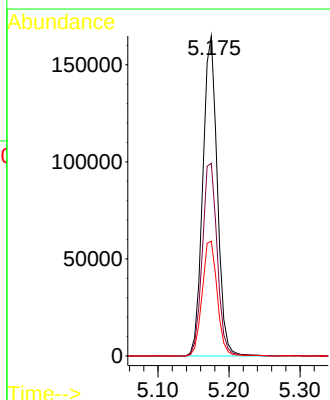
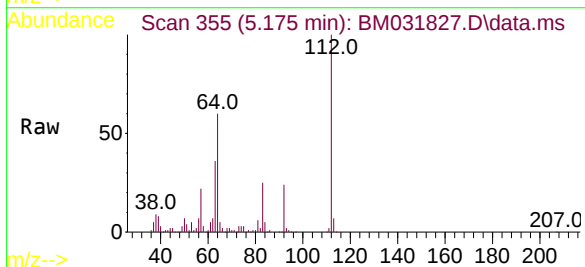
Instrument :
BNA_M
ClientSampleId :
SWCS-24-0003

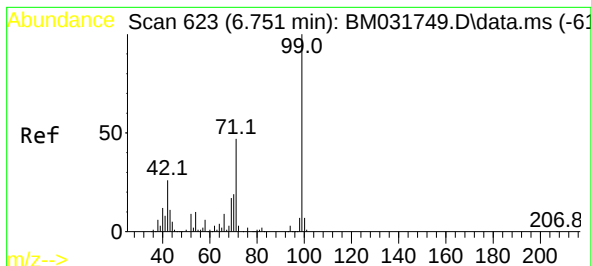
Tgt Ion:152 Resp: 38634
Ion Ratio Lower Upper
152 100
150 157.6 125.9 188.9
115 61.9 44.6 67.0



#5
2-Fluorophenol
Concen: 97.460 ng
RT: 5.175 min Scan# 355
Delta R.T. 0.000 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

Tgt Ion:112 Resp: 234597
Ion Ratio Lower Upper
112 100
64 60.2 47.1 70.7
63 35.8 27.3 40.9





#7

Phenol-d6

Concen: 84.194 ng

RT: 6.734 min Scan# 620

Delta R.T. 0.000 min

Lab File: BM031827.D

Acq: 19 Aug 2021 14:19

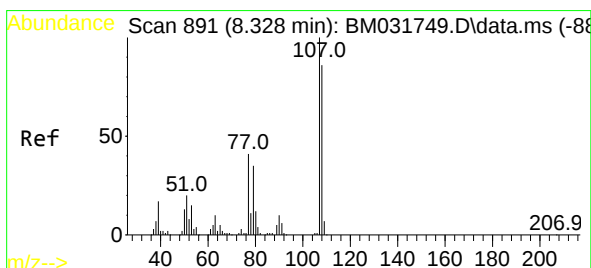
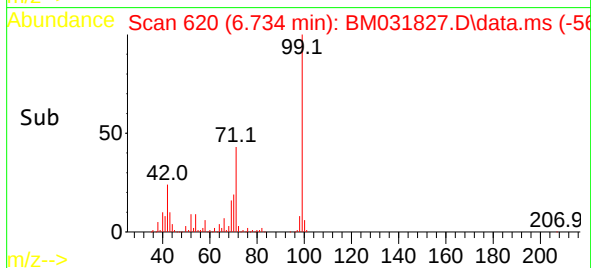
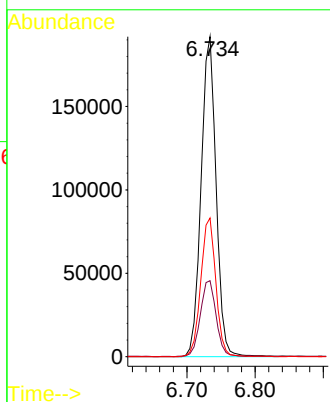
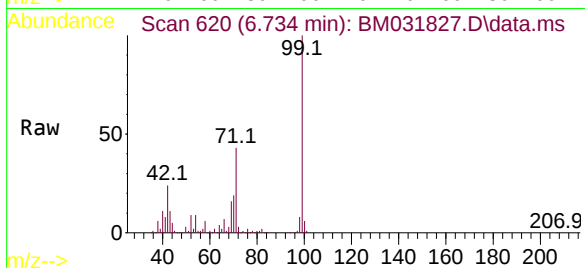
Instrument :

BNA_M

ClientSampleId :

SWCS-24-0003

Tgt Ion:	99	Resp:	293664
Ion	Ratio	Lower	Upper
99	100		
42	23.7	18.0	27.0
71	43.4	30.9	46.3



#20

3+4-Methylphenols

Concen: 5.260 ng

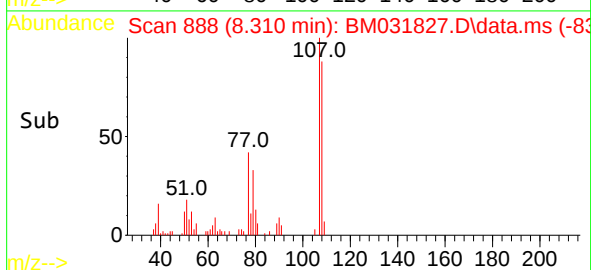
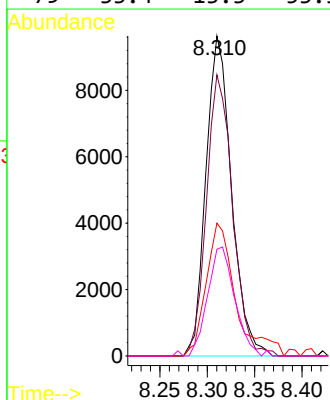
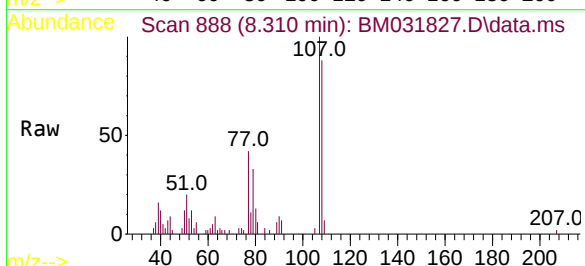
RT: 8.310 min Scan# 888

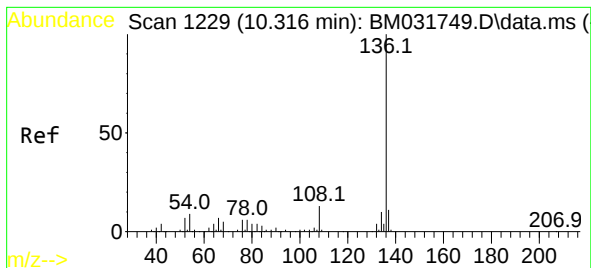
Delta R.T. -0.006 min

Lab File: BM031827.D

Acq: 19 Aug 2021 14:19

Tgt Ion:	107	Resp:	18118
Ion	Ratio	Lower	Upper
107	100		
108	87.9	69.9	109.9
77	41.5	17.3	57.3
79	33.4	13.3	53.3

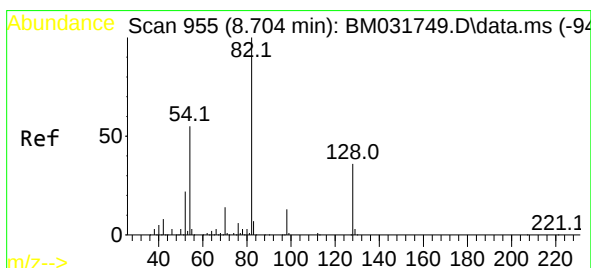
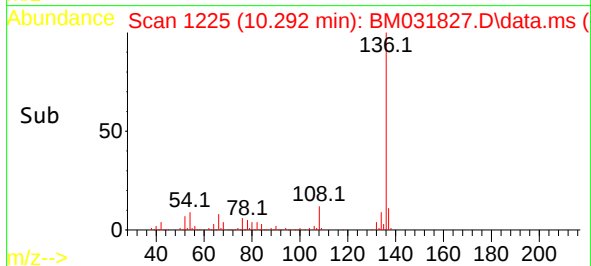
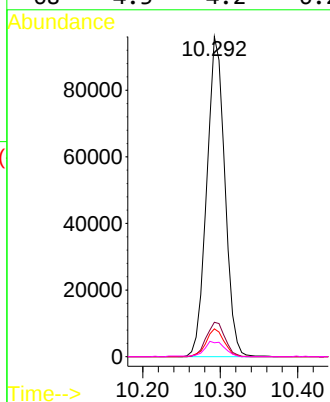
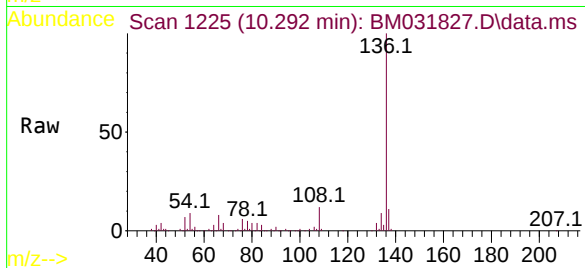




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.292 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

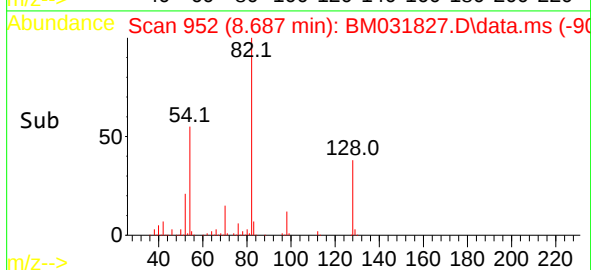
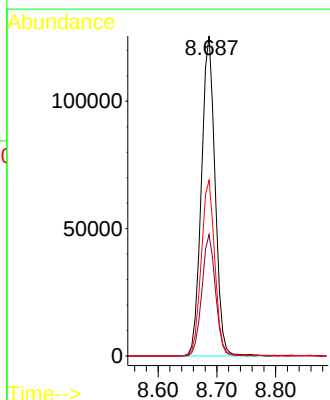
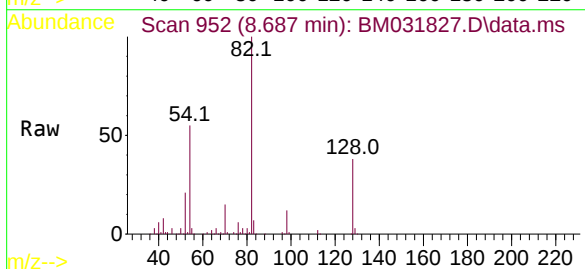
Instrument :
BNA_M
ClientSampleId :
SWCS-24-0003

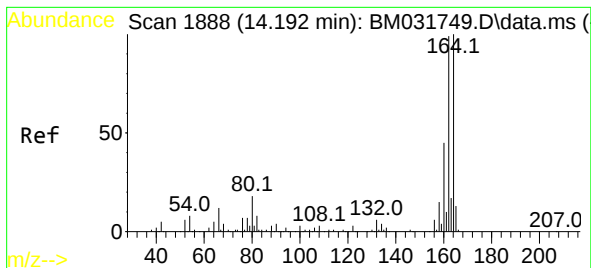
Tgt Ion:	136	Resp:	155252
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.4	12.6
54	8.7	5.5	8.3#
68	4.3	4.2	6.2



#23
Nitrobenzene-d5
Concen: 54.984 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

Tgt Ion:	82	Resp:	203874
Ion Ratio	Lower	Upper	
82	100		
128	37.9	31.1	46.7
54	55.0	37.3	55.9

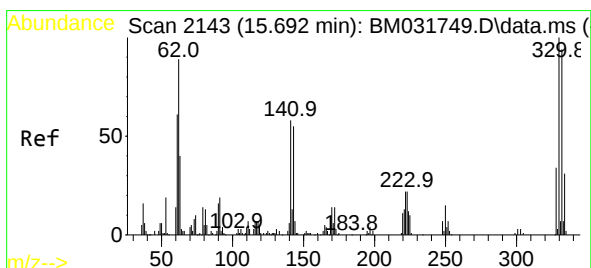
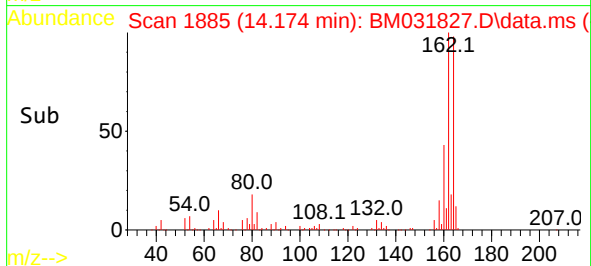
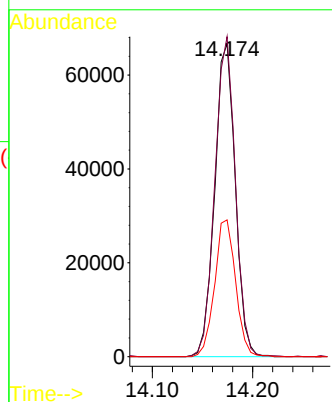
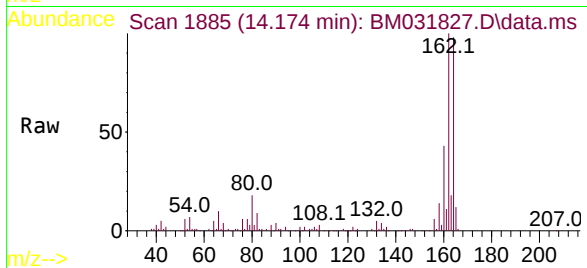




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.174 min Scan# 1885
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

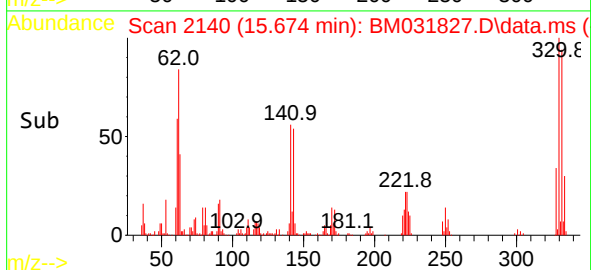
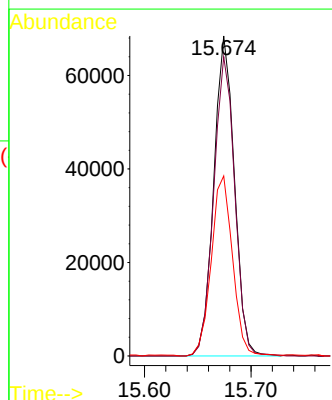
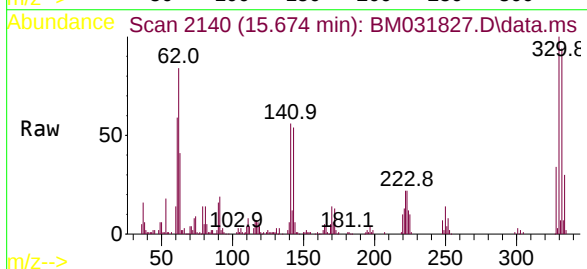
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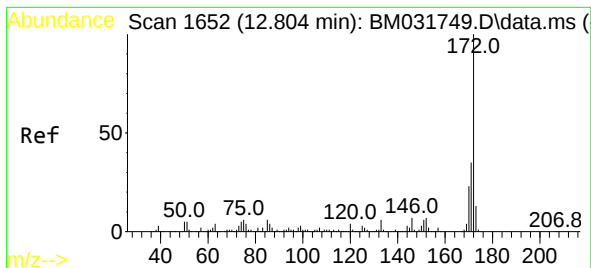
Tgt Ion:164 Resp: 94716
Ion Ratio Lower Upper
164 100
162 102.3 83.4 125.0
160 43.7 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 78.952 ng
RT: 15.674 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

Tgt Ion:330 Resp: 92102
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.4
141 58.2 30.2 45.2#

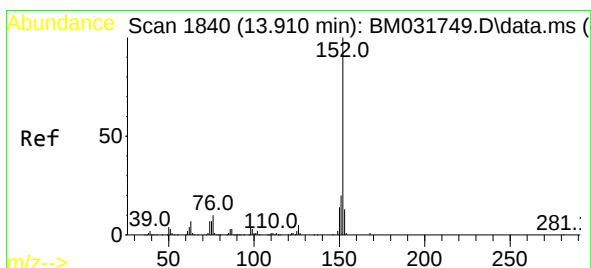
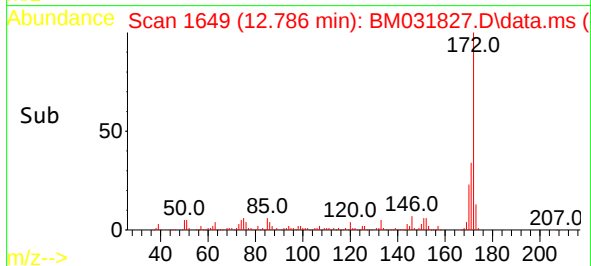
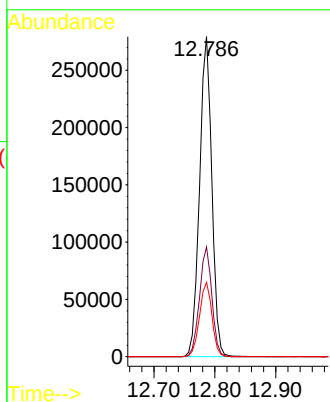
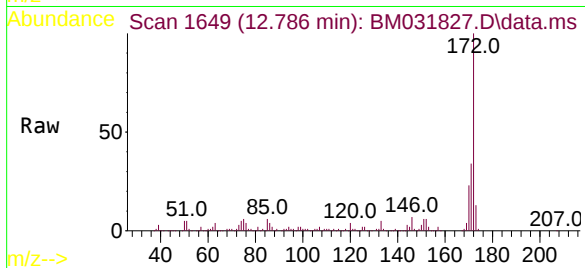




#45
2-Fluorobiphenyl
Concen: 54.939 ng
RT: 12.786 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

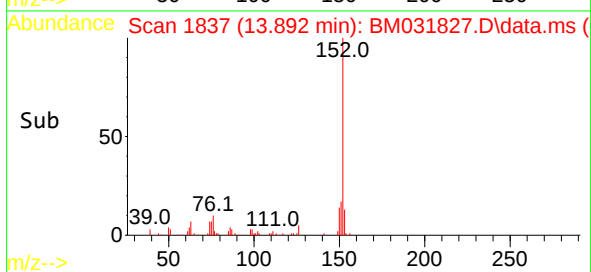
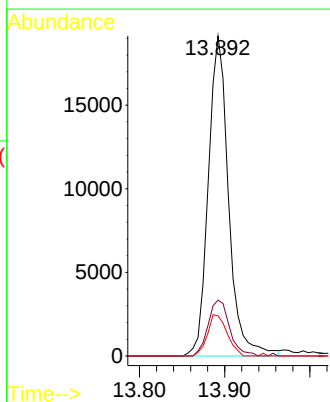
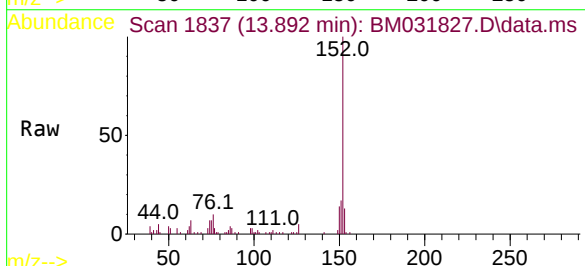
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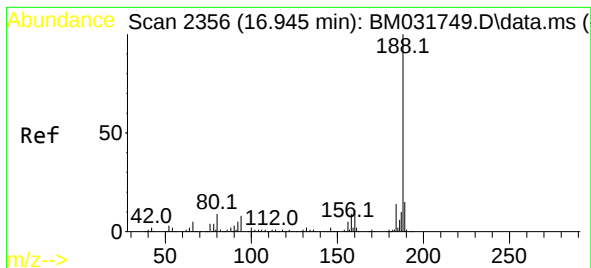
Tgt Ion:172 Resp: 390953
Ion Ratio Lower Upper
172 100
171 34.3 28.6 43.0
170 23.3 18.4 27.6



#49
Acenaphthylene
Concen: 3.303 ng
RT: 13.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

Tgt Ion:152 Resp: 31640
Ion Ratio Lower Upper
152 100
151 17.5 16.3 24.5
153 12.5 10.2 15.4

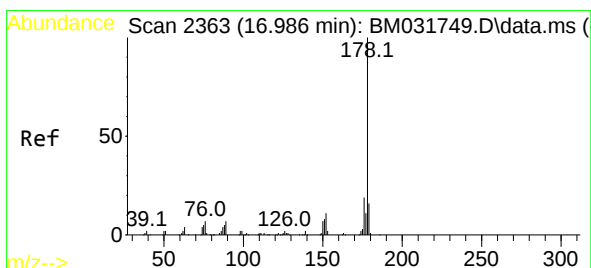
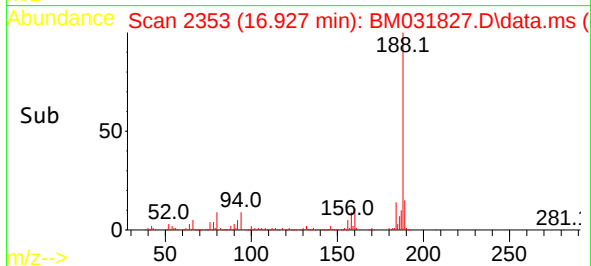
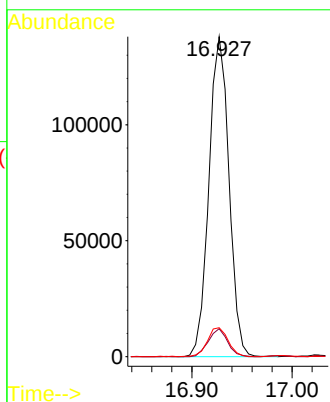
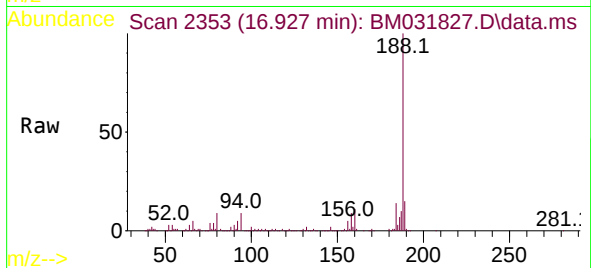




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.927 min Scan# 2353
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

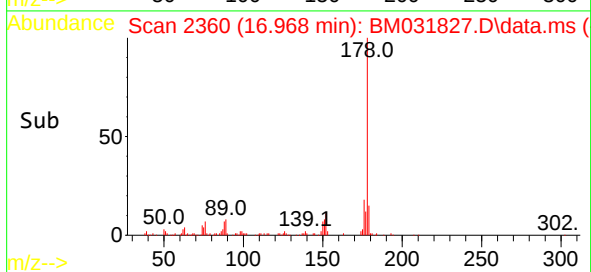
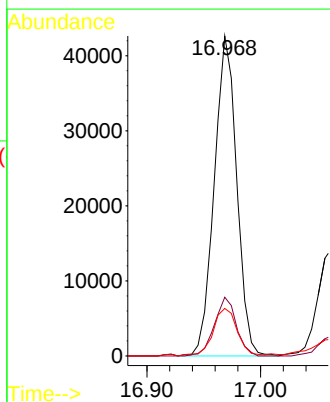
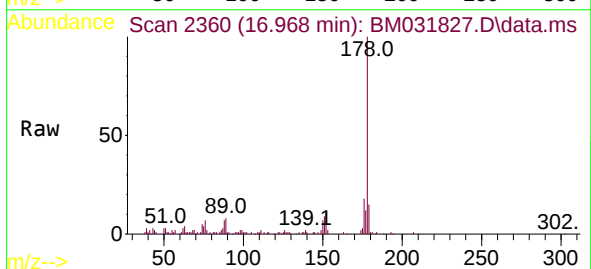
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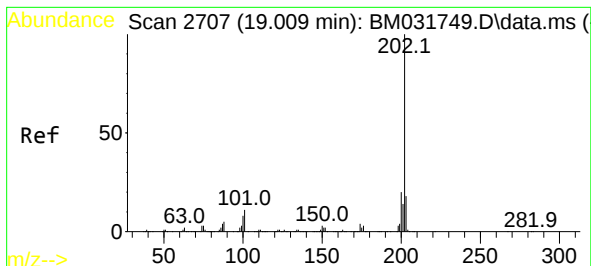
Tgt Ion:188 Resp: 192212
Ion Ratio Lower Upper
188 100
94 8.7 6.0 9.0
80 9.1 6.6 9.8



#71
Phenanthrene
Concen: 5.000 ng
RT: 16.968 min Scan# 2360
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

Tgt Ion:178 Resp: 58616
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 14.9 12.2 18.4

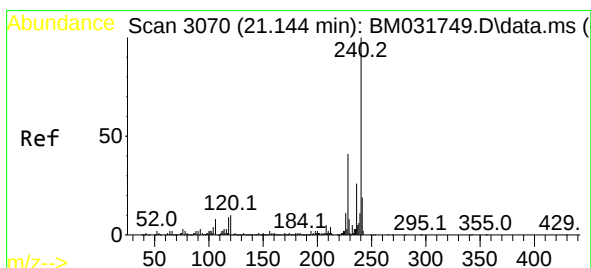
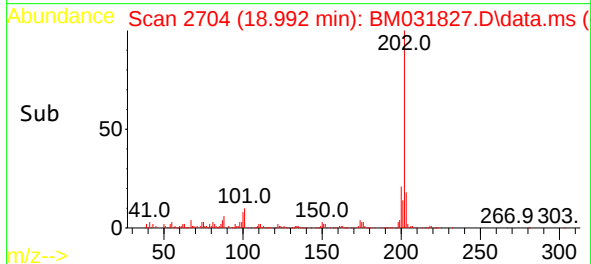
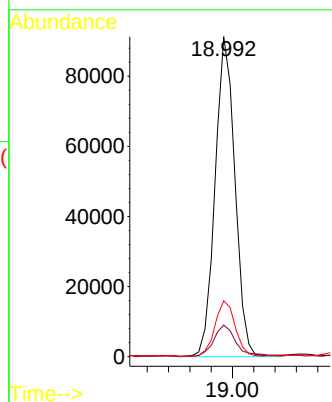
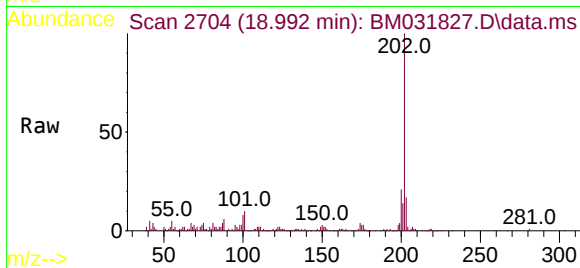




#75
Fluoranthene
Concen: 8.404 ng
RT: 18.992 min Scan# 2704
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

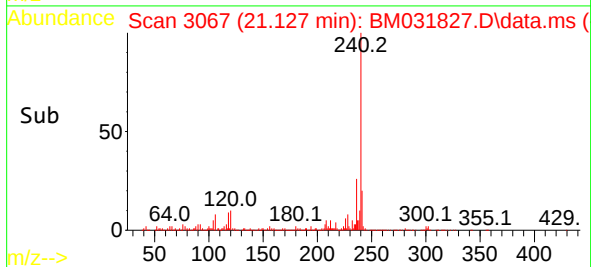
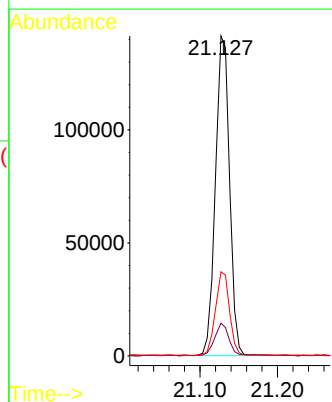
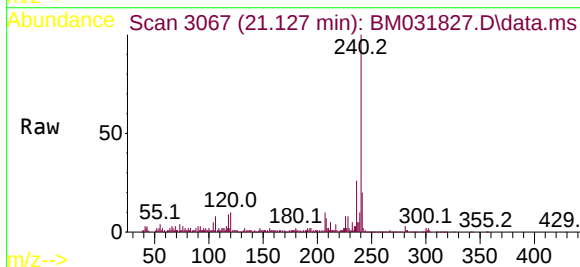
Instrument :
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SWCS-24-0003

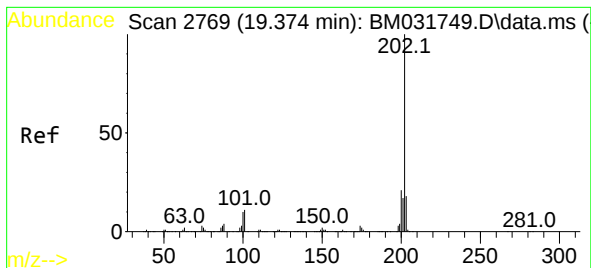
Tgt Ion:202 Resp: 118004
Ion Ratio Lower Upper
202 100
101 9.9 0.0 28.6
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.127 min Scan# 3067
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

Tgt Ion:240 Resp: 178568
Ion Ratio Lower Upper
240 100
120 10.2 7.0 10.6
236 26.3 21.0 31.4





#78

Pyrene

Concen: 8.611 ng

RT: 19.356 min Scan# 2766

Delta R.T. -0.006 min

Lab File: BM031827.D

Acq: 19 Aug 2021 14:19

Tgt Ion:202 Resp: 111390

Ion Ratio Lower Upper

202 100

200 22.1 17.3 25.9

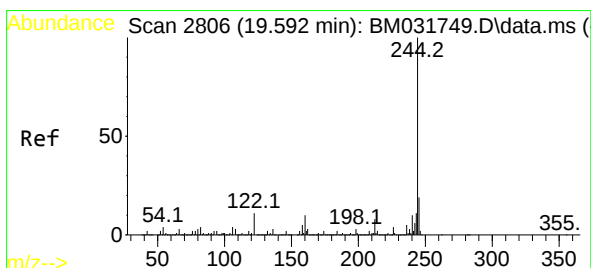
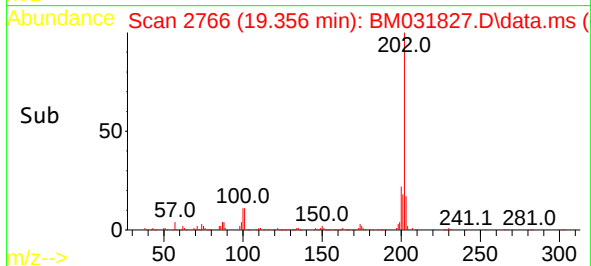
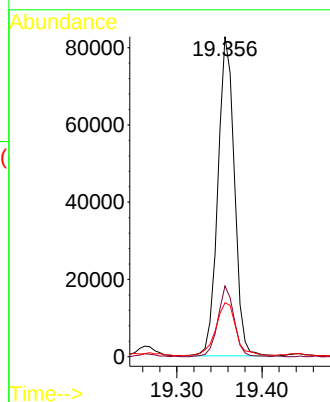
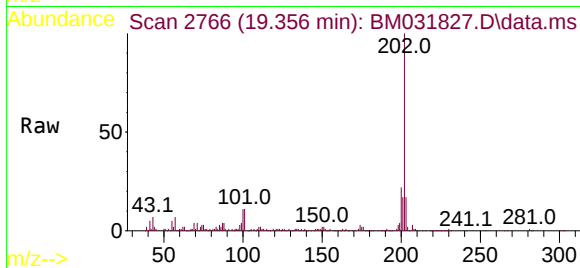
203 16.9 13.9 20.9

Instrument :

BNA_M

ClientSampleId :

SWCS-24-0003



#79

Terphenyl-d14

Concen: 54.153 ng

RT: 19.574 min Scan# 2803

Delta R.T. -0.006 min

Lab File: BM031827.D

Acq: 19 Aug 2021 14:19

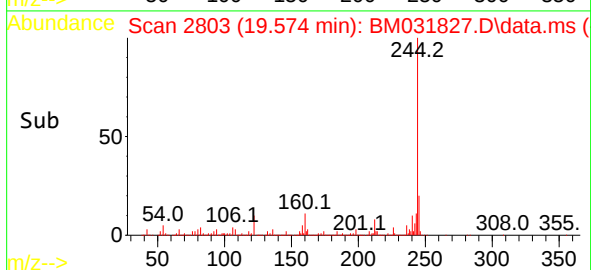
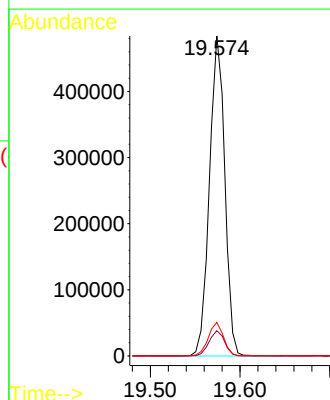
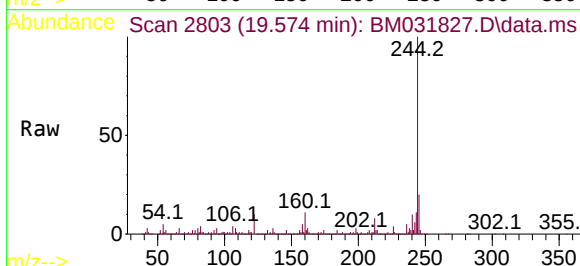
Tgt Ion:244 Resp: 573933

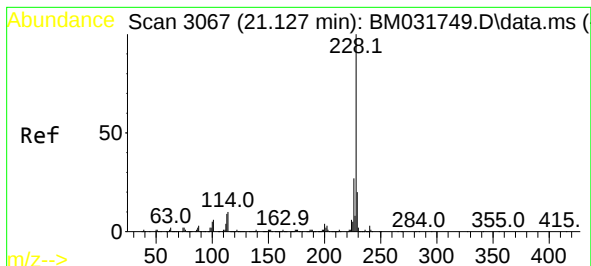
Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

122 10.5 6.9 10.3#





#81

Benzo(a)anthracene

Concen: 5.423 ng

RT: 21.162 min Scan# 3073

Delta R.T. 0.041 min

Lab File: BM031827.D

Acq: 19 Aug 2021 14:19

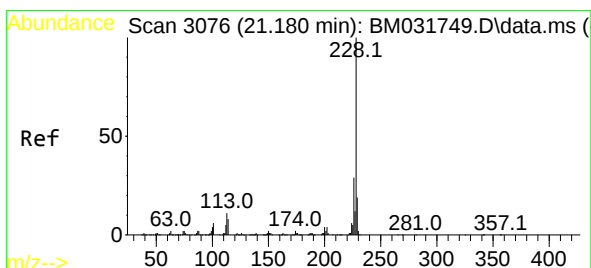
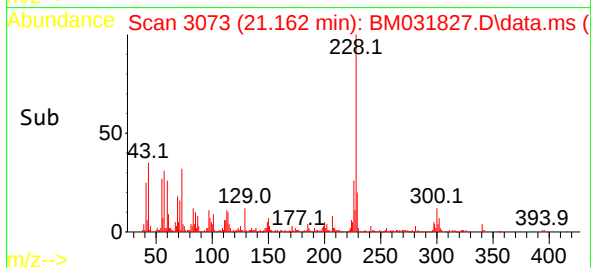
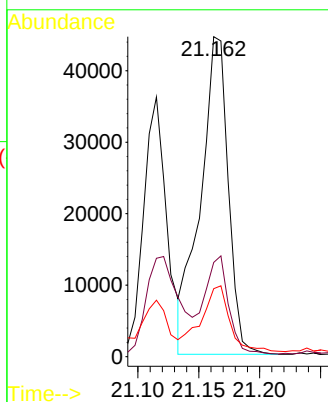
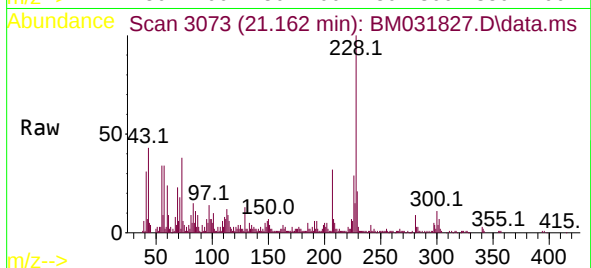
Instrument :

BNA_M

ClientSampleId :

SWCS-24-0003

Tgt Ion:228	Resp:	70937
Ion Ratio	Lower	Upper
228	100	
226	29.5	22.3 33.5
229	21.3	15.7 23.5



#83

Chrysene

Concen: 5.564 ng

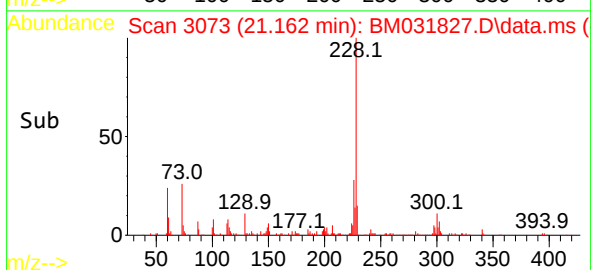
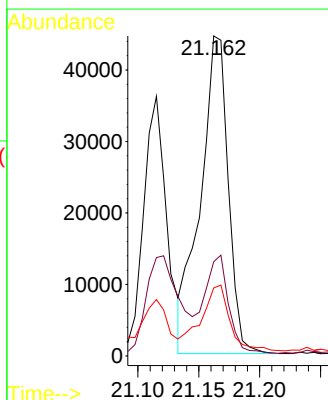
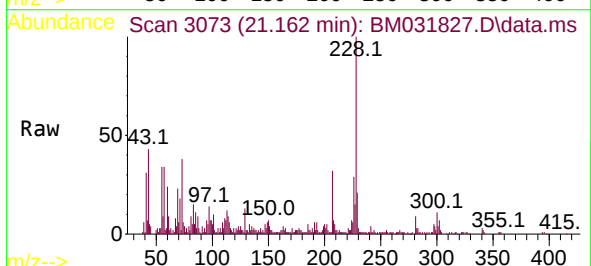
RT: 21.162 min Scan# 3073

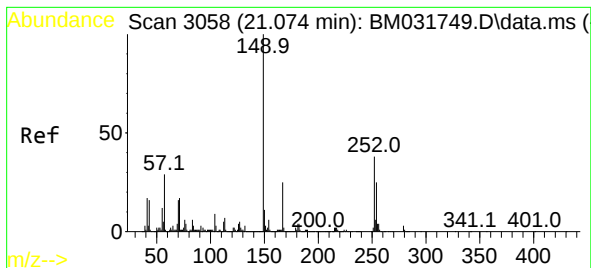
Delta R.T. -0.012 min

Lab File: BM031827.D

Acq: 19 Aug 2021 14:19

Tgt Ion:228	Resp:	70937
Ion Ratio	Lower	Upper
228	100	
226	29.5	24.6 36.8
229	21.3	15.5 23.3

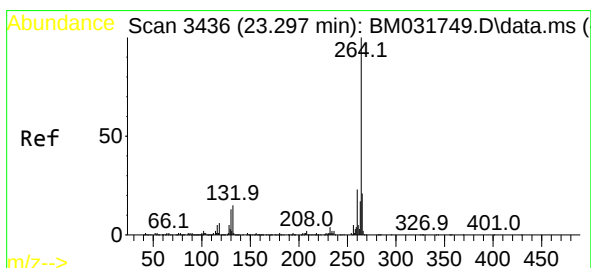
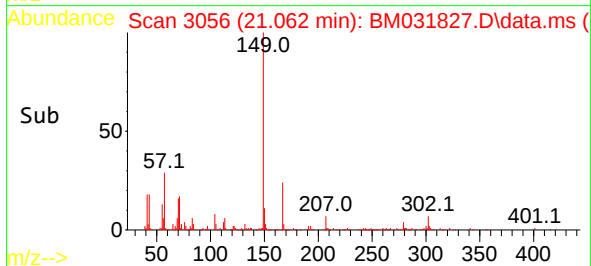
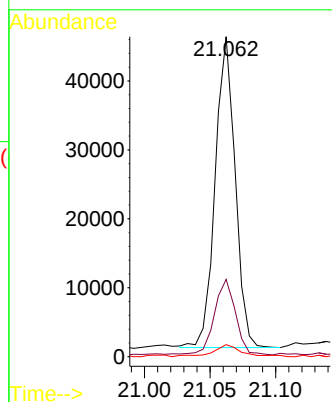
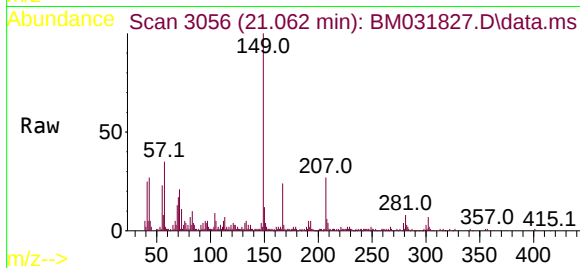




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.980 ng
RT: 21.062 min Scan# 3056
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

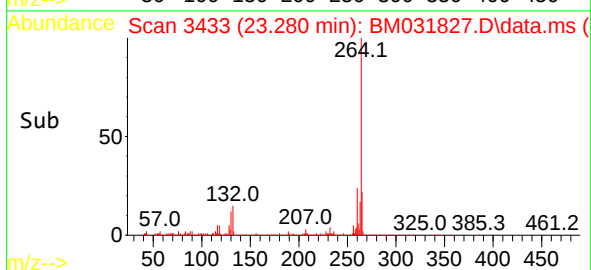
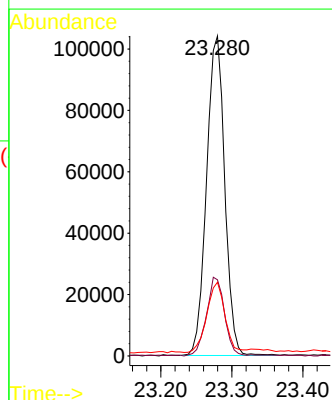
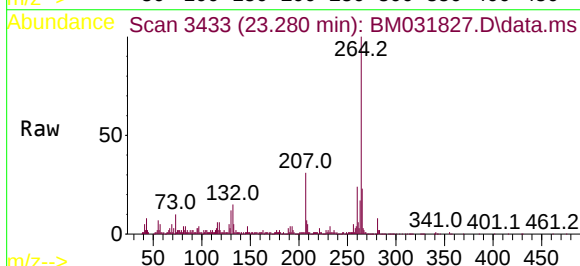
Instrument :
BNA_M
ClientSampleId :
SWCS-24-0003

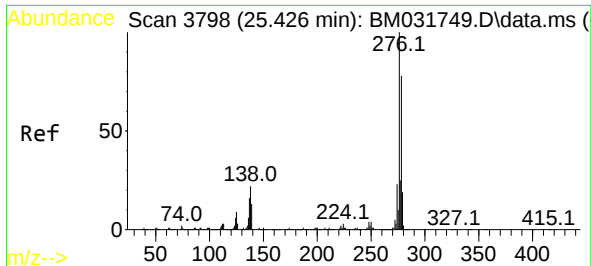
Tgt Ion:149 Resp: 47712
Ion Ratio Lower Upper
149 100
167 24.2 22.6 33.8
279 3.7 3.8 5.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.280 min Scan# 3433
Delta R.T. 0.000 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

Tgt Ion:264 Resp: 185509
Ion Ratio Lower Upper
264 100
260 23.8 19.8 29.8
265 23.1 17.7 26.5

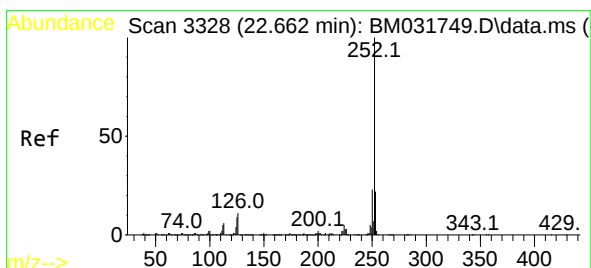
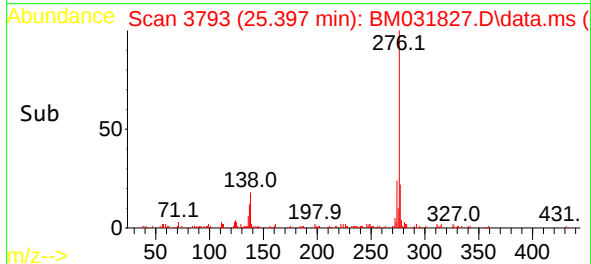
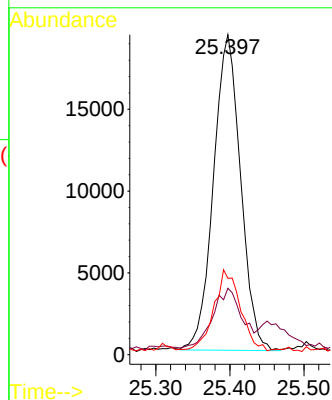
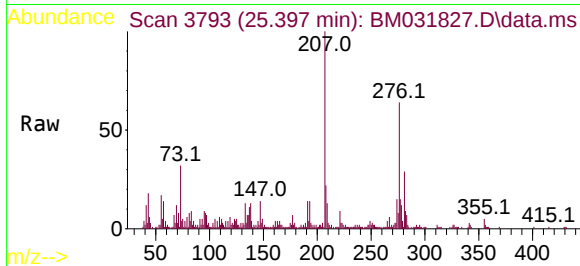




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.748 ng
RT: 25.397 min Scan# 3793
Delta R.T. -0.012 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

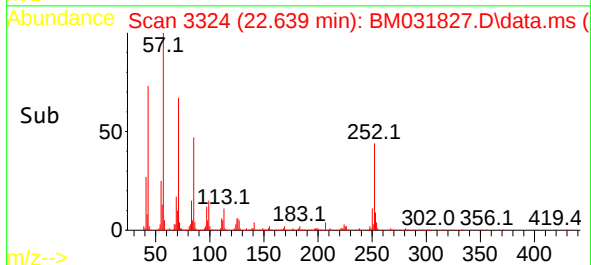
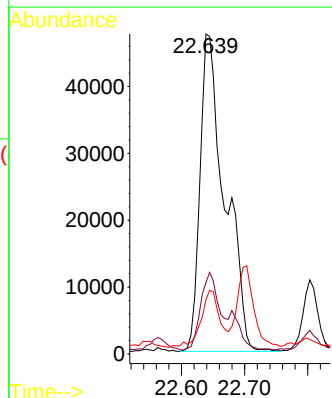
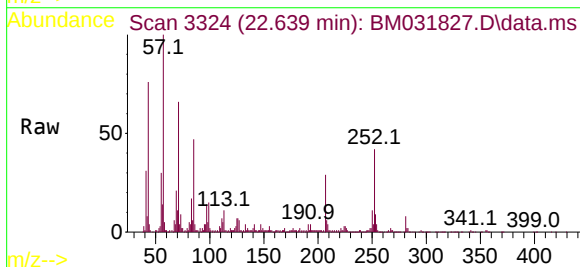
Instrument :
BNA_M
ClientSampleId :
SWCS-24-0003

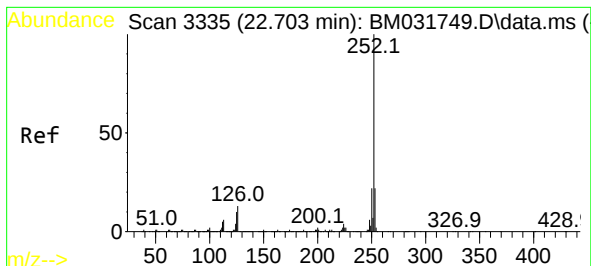
Tgt Ion:	276	Resp:	48995
Ion Ratio	Lower	Upper	
276	100		
138	20.5	17.1	25.7
277	24.1	20.3	30.5



#88
Benzo(b)fluoranthene
Concen: 9.327 ng
RT: 22.639 min Scan# 3324
Delta R.T. -0.006 min
Lab File: BM031827.D
Acq: 19 Aug 2021 14:19

Tgt Ion:	252	Resp:	129915
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.0
125	16.9	6.8	10.2





#89

Benzo(k)fluoranthene

Concen: 9.664 ng

RT: 22.639 min Scan# 3324

Delta R.T. -0.053 min

Lab File: BM031827.D

Acq: 19 Aug 2021 14:19

Instrument :

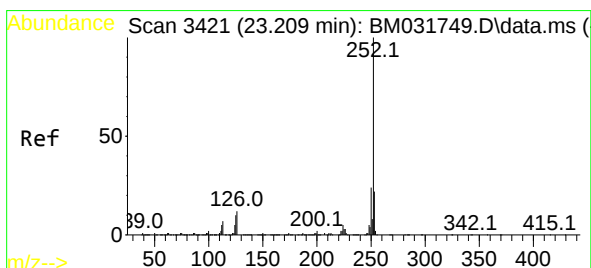
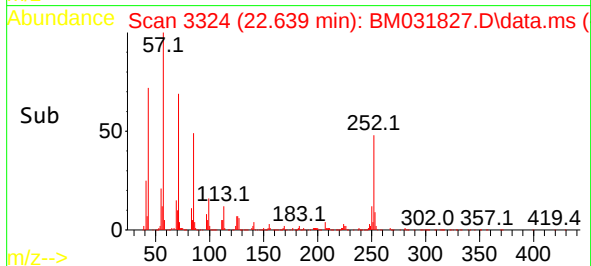
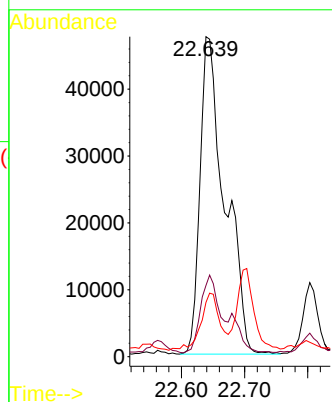
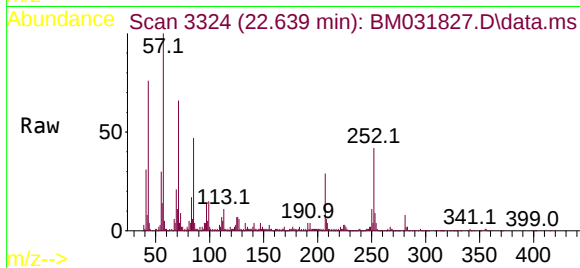
BNA_M

ClientSampleId :

SWCS-24-0003

Tgt Ion:252 Resp: 129915

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	16.9	6.2	9.2#



#90

Benzo(a)pyrene

Concen: 4.447 ng

RT: 23.186 min Scan# 3417

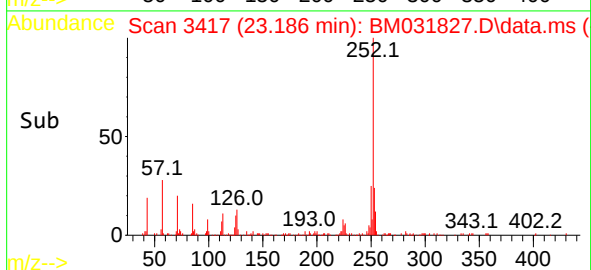
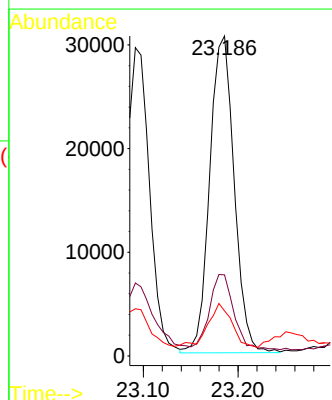
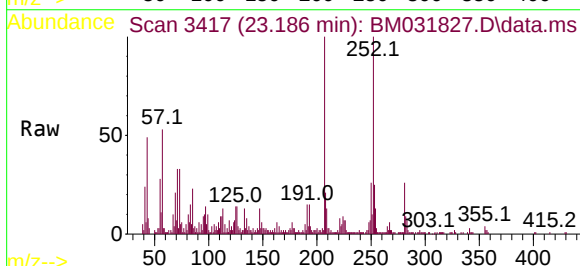
Delta R.T. -0.006 min

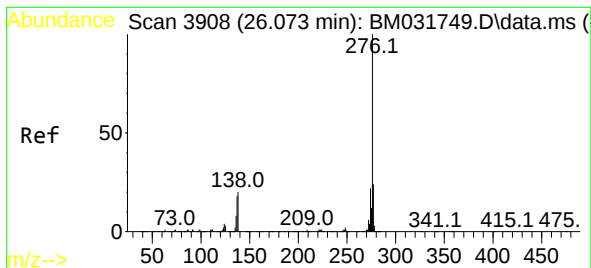
Lab File: BM031827.D

Acq: 19 Aug 2021 14:19

Tgt Ion:252 Resp: 54843

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.7	26.5
125	14.1	7.3	10.9#





#92
 Benzo(g,h,i)perylene
 Concen: 4.635 ng
 RT: 26.050 min Scan# 3904
 Delta R.T. 0.000 min
 Lab File: BM031827.D
 Acq: 19 Aug 2021 14:19

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-24-0003

Tgt Ion: 276 Resp: 48529

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.4	29.2
138	15.1	14.4	21.6

