

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082521\
 Data File : BP006880.D
 Acq On : 25 Aug 2021 14:20
 Operator : CG/JU
 Sample : M3419-03DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SWCS-03-0205DL

Quant Time: Aug 25 15:01:12 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 25 11:27:41 2021
 Response via : Initial Calibration

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

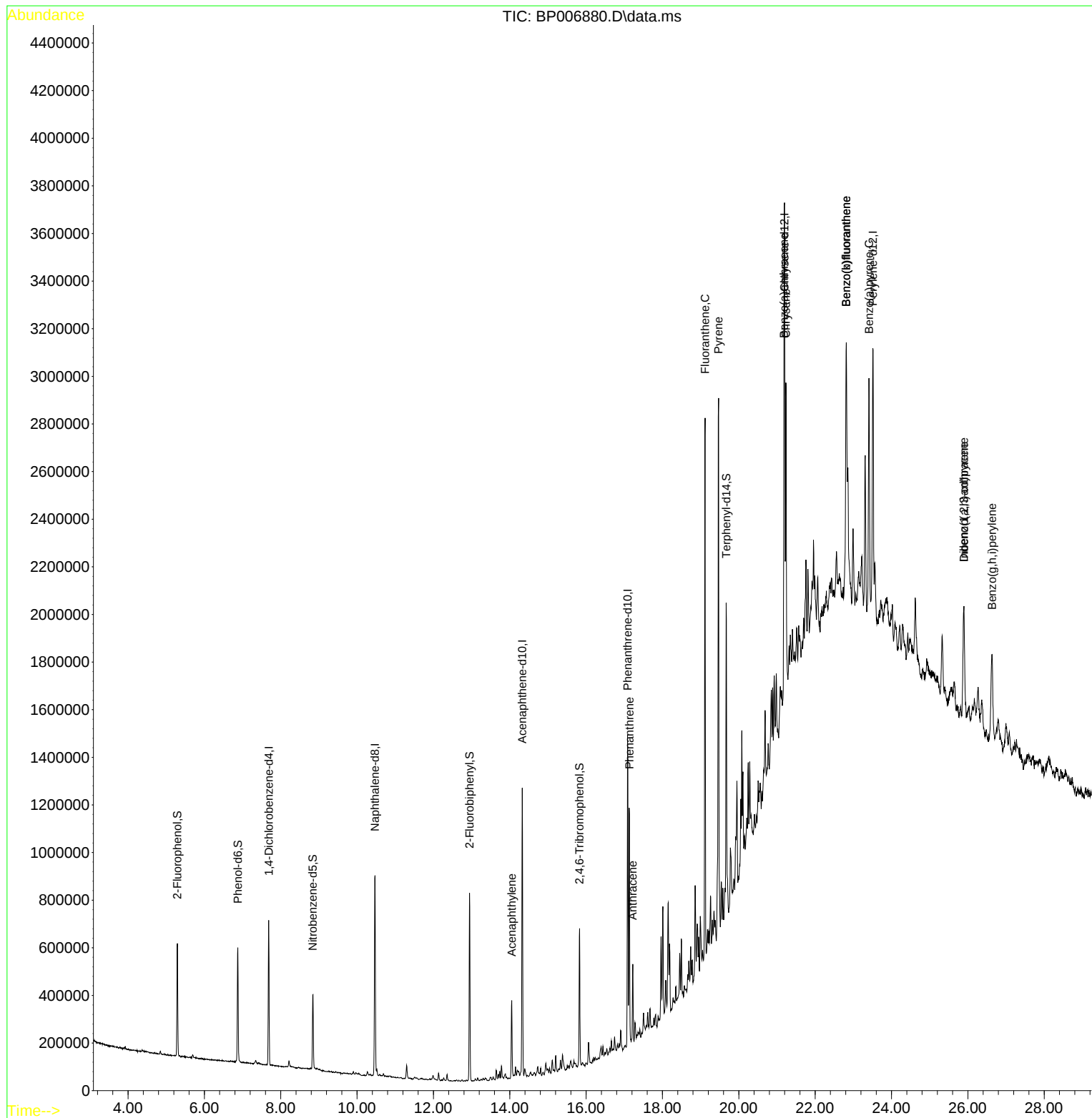
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	159487	20.000	ng	0.00
21) Naphthalene-d8	10.469	136	671028	20.000	ng	# 0.00
39) Acenaphthene-d10	14.328	164	376252	20.000	ng	0.00
64) Phenanthrene-d10	17.087	188	721895	20.000	ng	# 0.00
76) Chrysene-d12	21.198	240	671164	20.000	ng	# 0.00
86) Perylene-d12	23.516	264	737191	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	213039	20.517	ng	0.00
7) Phenol-d6	6.875	99	279963	18.980	ng	0.00
23) Nitrobenzene-d5	8.840	82	189659	13.046	ng	0.00
42) 2,4,6-Tribromophenol	15.828	330	87072	22.143	ng	0.00
45) 2-Fluorobiphenyl	12.946	172	367549	14.615	ng	0.00
79) Terphenyl-d14	19.669	244	501050	14.959	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.051	152	230912	6.530	ng	100
71) Phenanthrene	17.134	178	552446	13.567	ng	99
72) Anthracene	17.222	178	186978	4.752	ng	98
75) Fluoranthene	19.116	202	1209136	26.456	ng	96
78) Pyrene	19.469	202	1310609	29.235	ng	99
81) Benzo(a)anthracene	21.180	228	589412	13.438	ng	94
83) Chrysene	21.233	228	710989	16.720	ng	97
87) Indeno(1,2,3-cd)pyrene	25.898	276	408471	7.642	ng	# 95
88) Benzo(b)fluoranthene	22.810	252	873896	18.240	ng	# 90
89) Benzo(k)fluoranthene	22.810	252	873896	18.997	ng	# 90
90) Benzo(a)pyrene	23.410	252	572544	13.323	ng	# 92
91) Dibenzo(a,h)anthracene	25.898	278	111246	2.407	ng	# 68
92) Benzo(g,h,i)perylene	26.633	276	433598	9.790	ng	# 90

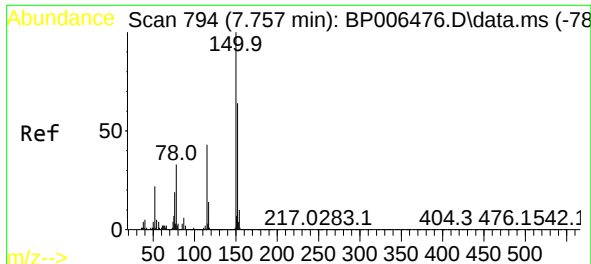
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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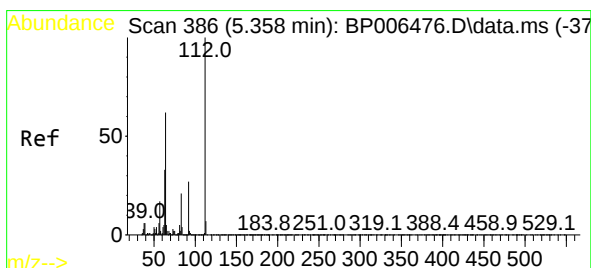
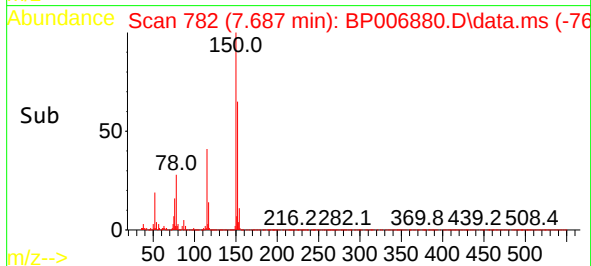
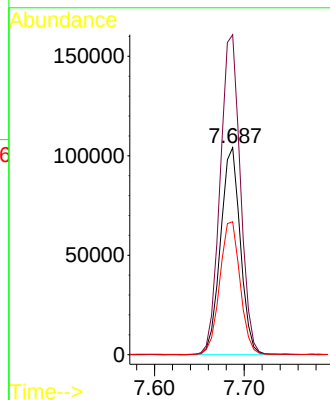
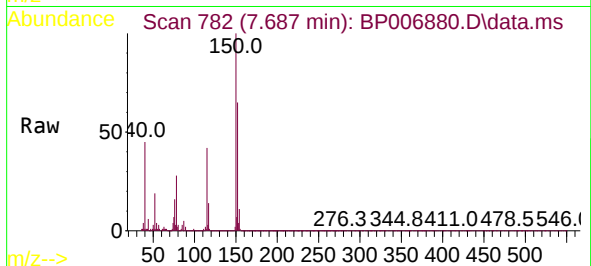




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.687 min Scan# 782
Delta R.T. 0.006 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

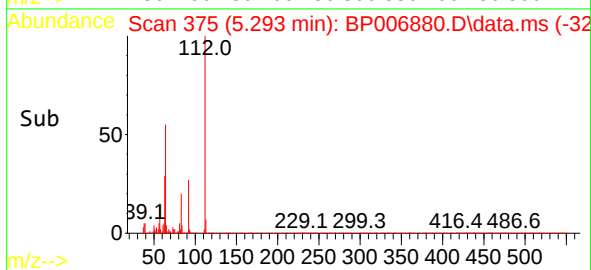
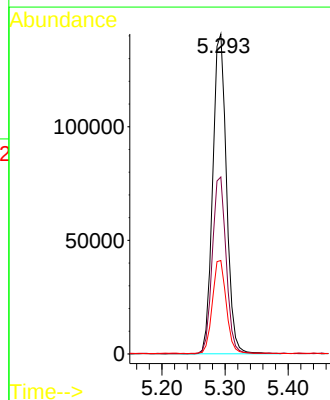
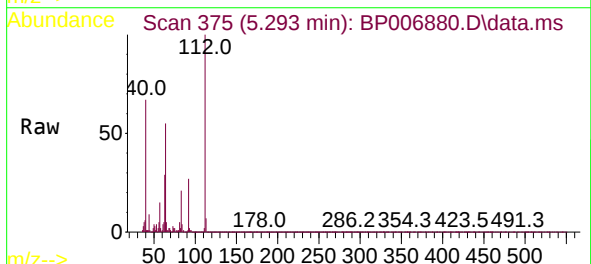
Instrument :
BNA_P
ClientSampleId :
SWCS-03-0205DL

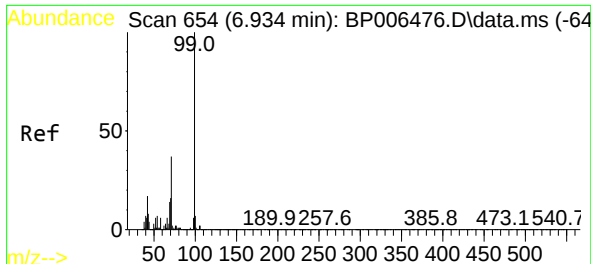
Tgt Ion:152 Resp: 159487
Ion Ratio Lower Upper
152 100
150 154.5 125.6 188.4
115 64.2 48.5 72.7



#5
2-Fluorophenol
Concen: 20.517 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

Tgt Ion:112 Resp: 213039
Ion Ratio Lower Upper
112 100
64 55.3 41.4 62.2
63 29.2 23.8 35.8

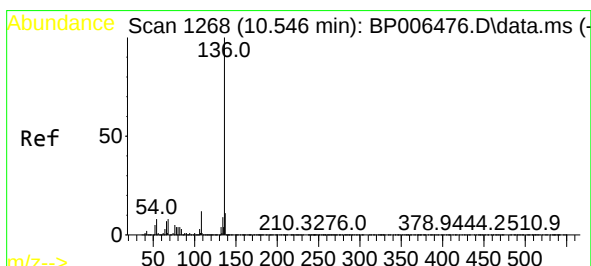
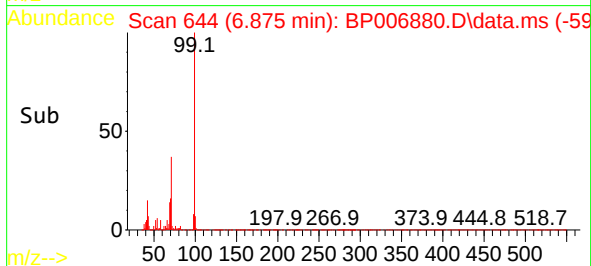
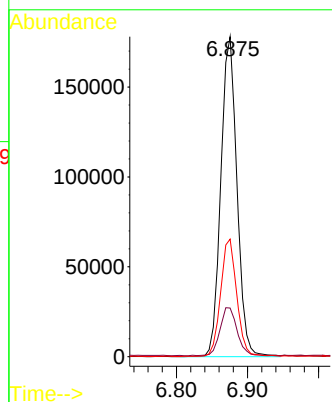
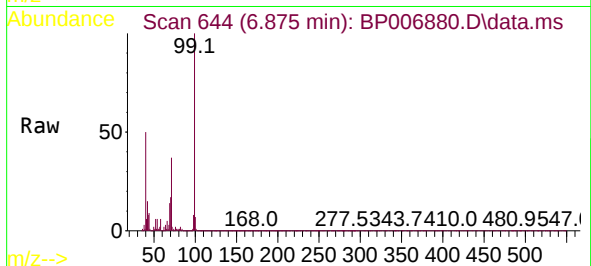




#7
Phenol-d6
Concen: 18.980 ng
RT: 6.875 min Scan# 644
Delta R.T. 0.006 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

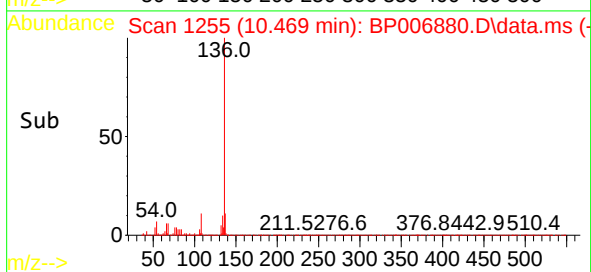
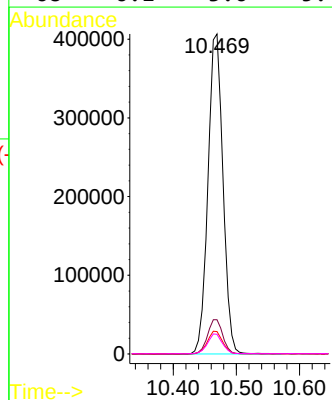
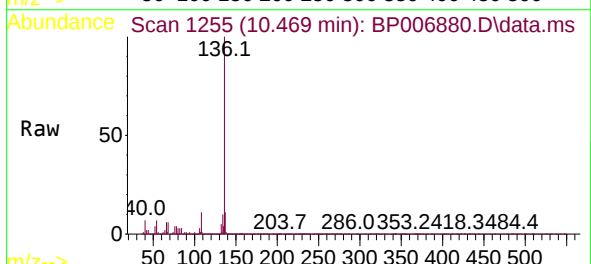
Instrument :
BNA_P
ClientSampleId :
SWCS-03-0205DL

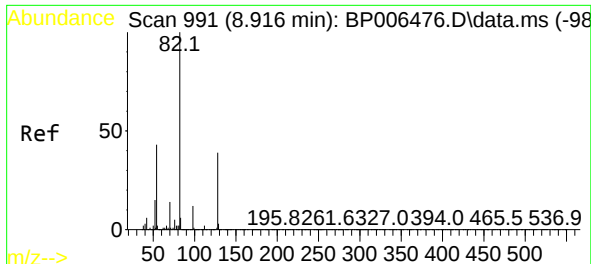
Tgt Ion: 99 Resp: 279963
Ion Ratio Lower Upper
99 100
42 15.2 13.4 20.0
71 36.7 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.469 min Scan# 1255
Delta R.T. 0.006 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

Tgt Ion: 136 Resp: 671028
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 7.0 4.6 6.8#
68 6.1 3.6 5.4#

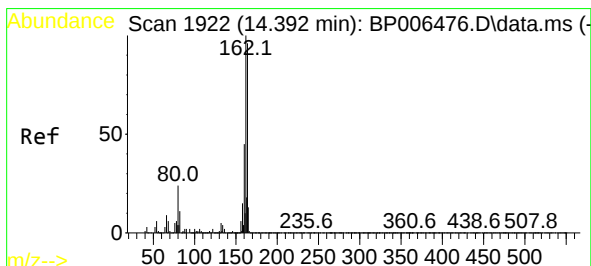
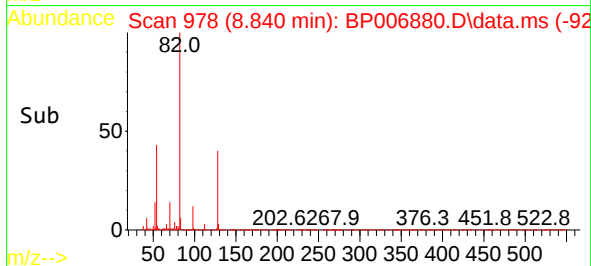
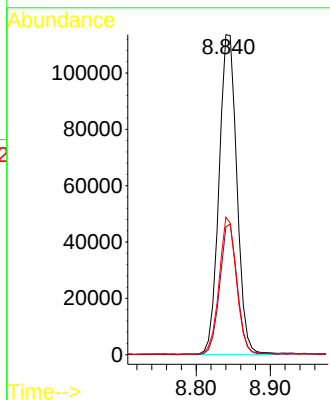
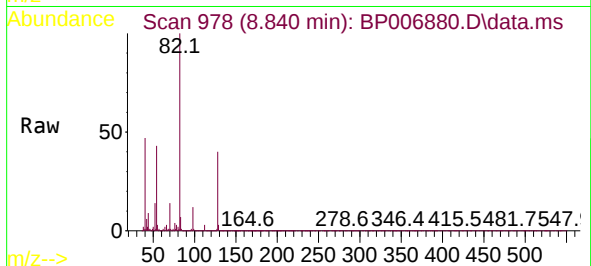




#23
Nitrobenzene-d5
Concen: 13.046 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

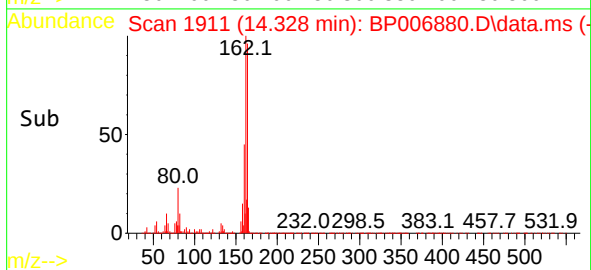
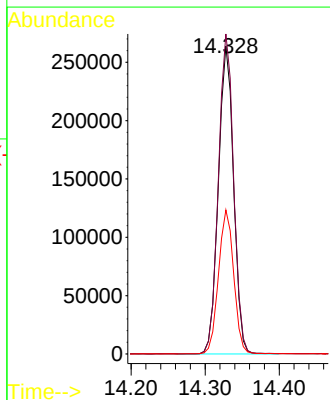
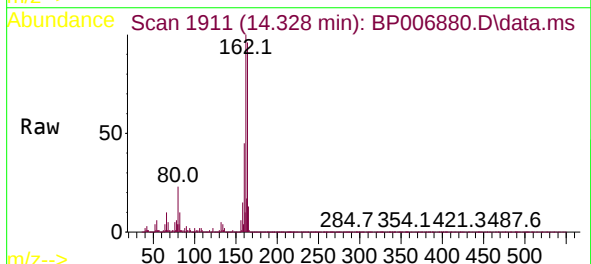
Instrument :
BNA_P
ClientSampleId :
SWCS-03-0205DL

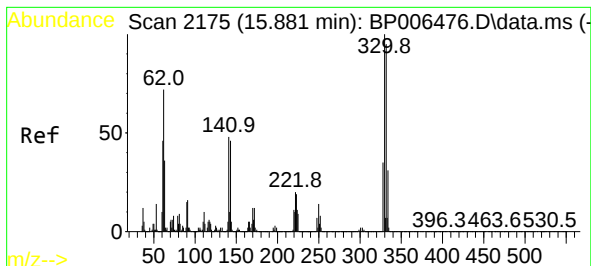
Tgt Ion: 82 Resp: 189659
Ion Ratio Lower Upper
82 100
128 39.9 35.7 53.5
54 43.0 35.0 52.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.328 min Scan# 1911
Delta R.T. 0.000 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

Tgt Ion: 164 Resp: 376252
Ion Ratio Lower Upper
164 100
162 104.0 80.2 120.2
160 46.8 34.5 51.7

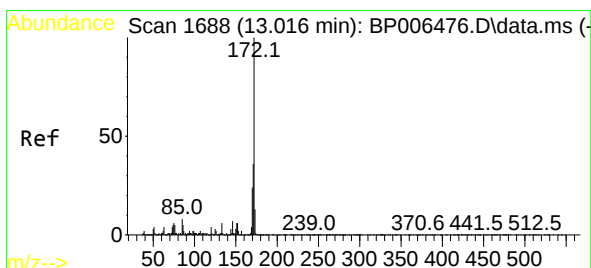
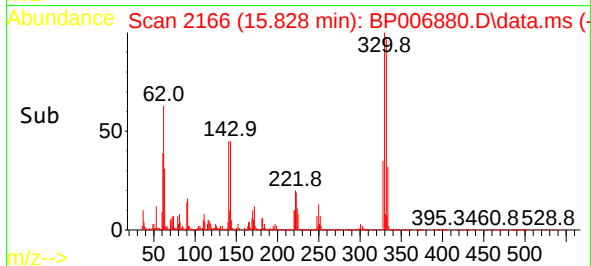
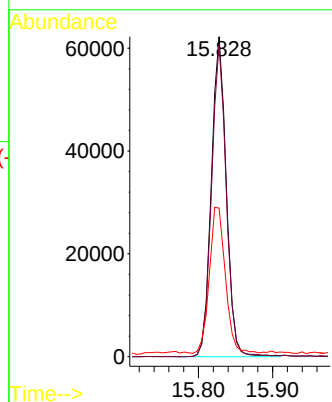
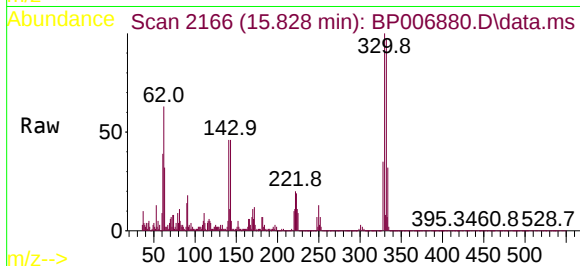




#42
2,4,6-Tribromophenol
Concen: 22.143 ng
RT: 15.828 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

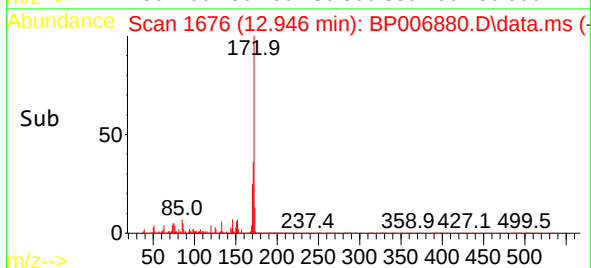
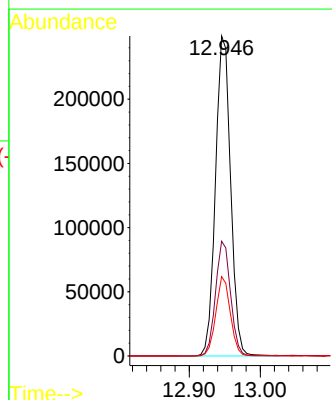
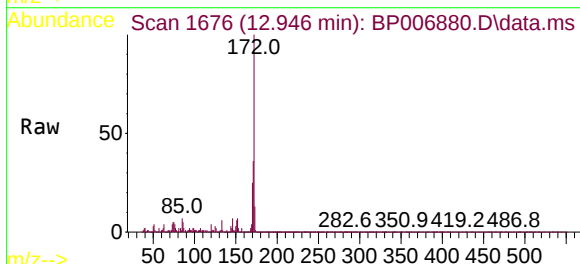
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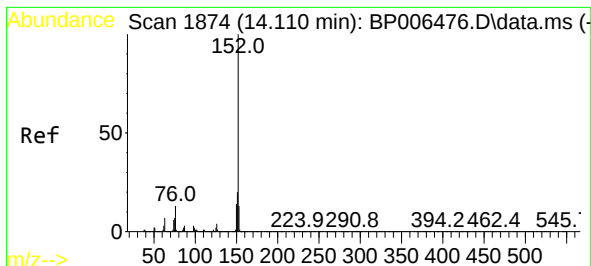
Tgt Ion:330 Resp: 87072
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.8
141 49.1 25.4 38.2#



#45
2-Fluorobiphenyl
Concen: 14.615 ng
RT: 12.946 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

Tgt Ion:172 Resp: 367549
Ion Ratio Lower Upper
172 100
171 35.9 27.9 41.9
170 24.8 18.6 27.8

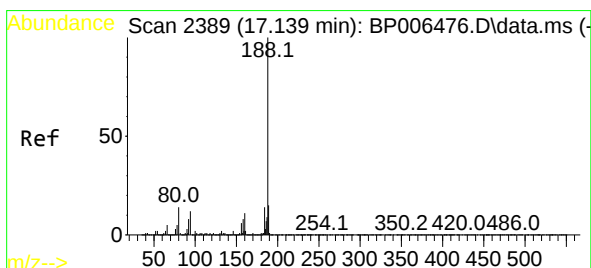
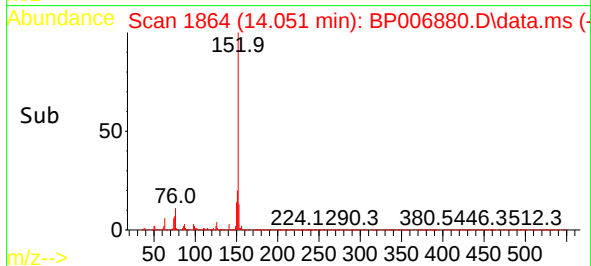
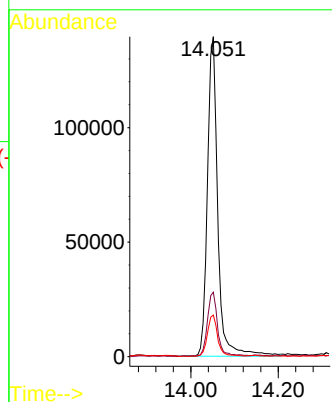
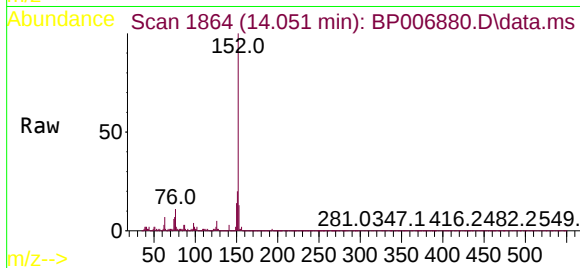




#49
Acenaphthylene
Concen: 6.530 ng
RT: 14.051 min Scan# 1864
Delta R.T. 0.006 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

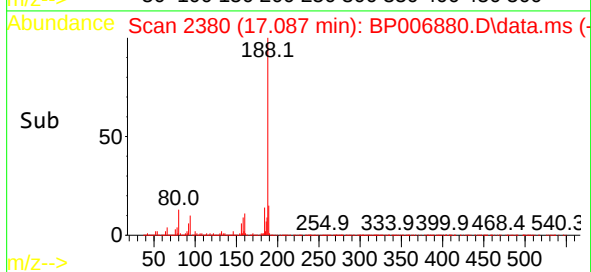
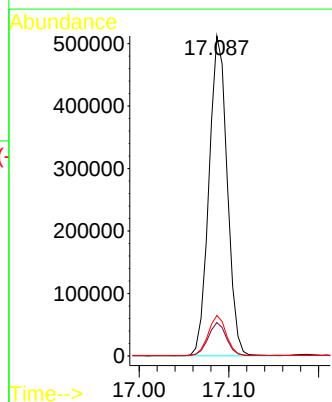
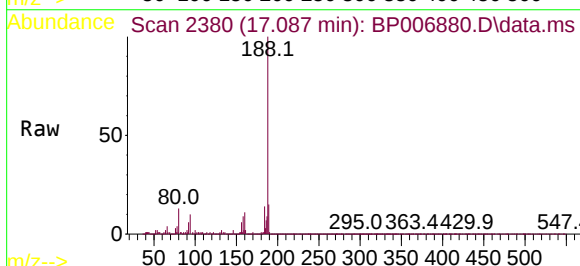
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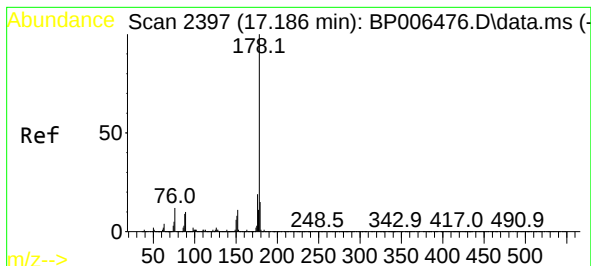
Tgt Ion:152 Resp: 230912
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.0 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.087 min Scan# 2380
Delta R.T. 0.000 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

Tgt Ion:188 Resp: 721895
Ion Ratio Lower Upper
188 100
94 10.5 5.6 8.4#
80 12.7 6.3 9.5#

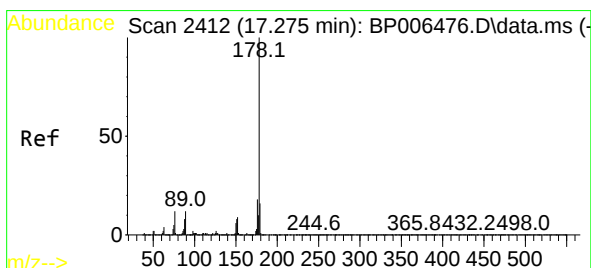
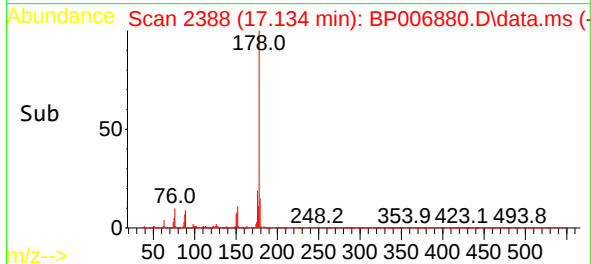
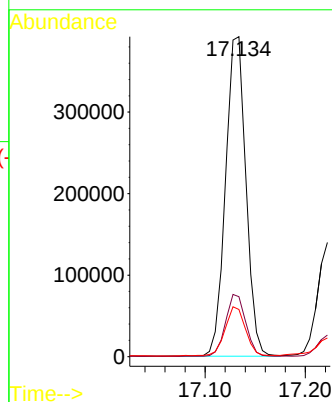
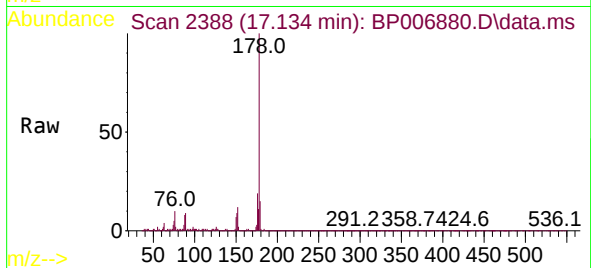




#71
Phenanthrene
Concen: 13.567 ng
RT: 17.134 min Scan# 2388
Delta R.T. 0.006 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

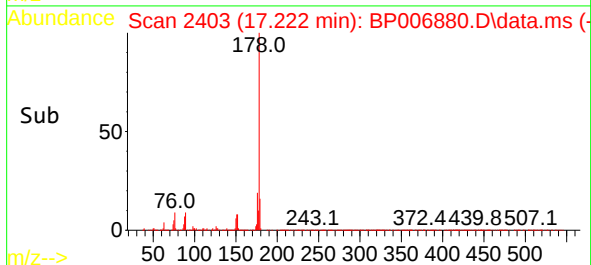
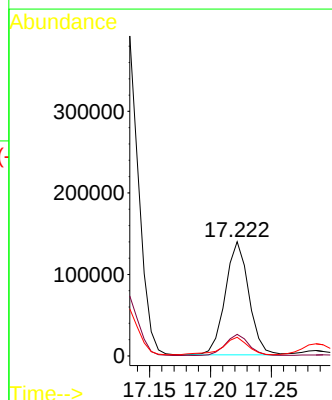
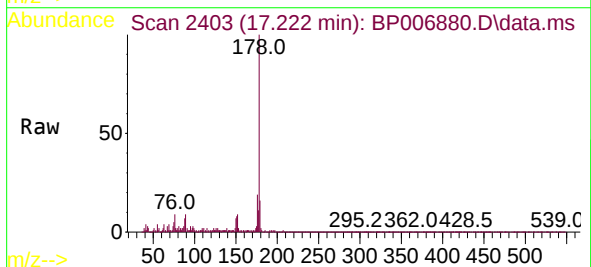
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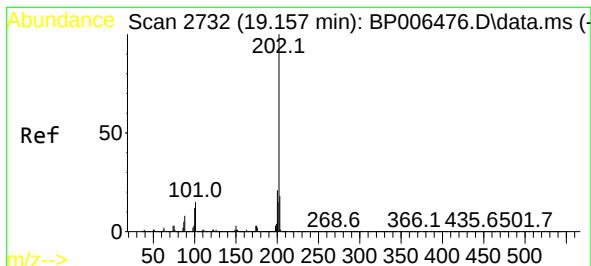
Tgt Ion:178 Resp: 552446
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 14.8 12.4 18.6



#72
Anthracene
Concen: 4.752 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.000 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

Tgt Ion:178 Resp: 186978
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 16.4 12.2 18.2

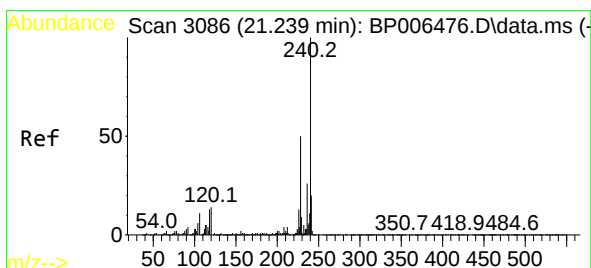
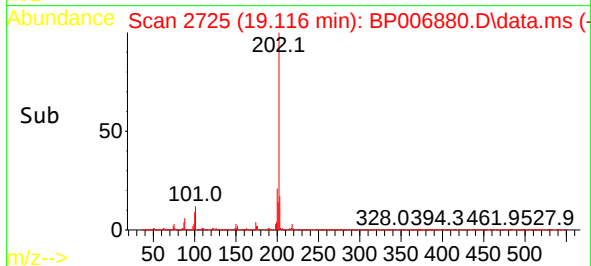
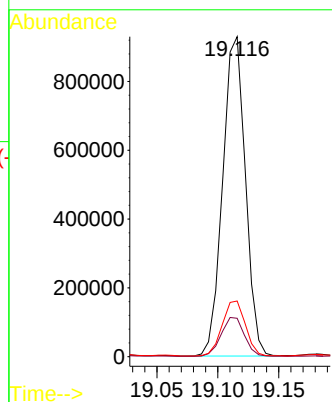
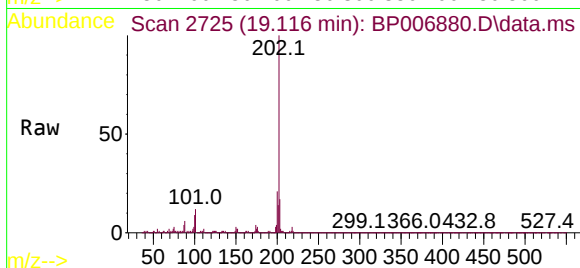




#75
Fluoranthene
Concen: 26.456 ng
RT: 19.116 min Scan# 2725
Delta R.T. 0.006 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

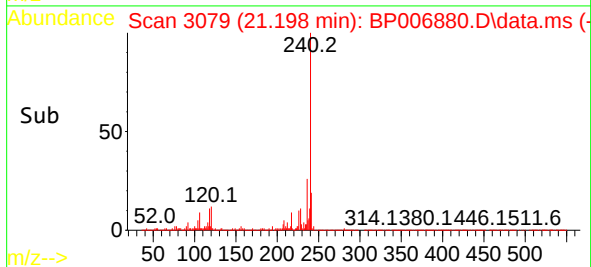
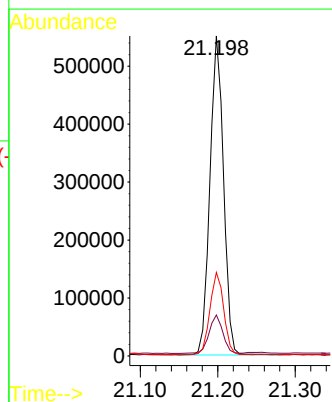
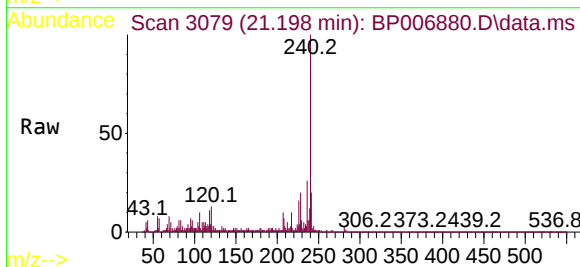
Instrument :
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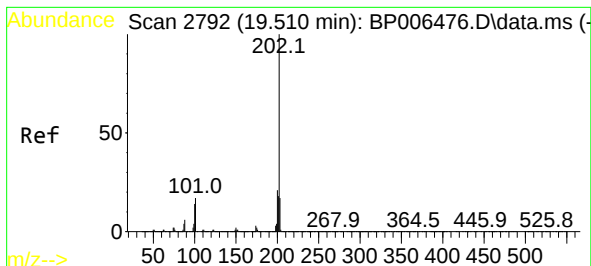
Tgt Ion:202 Resp: 1209136
Ion Ratio Lower Upper
202 100
101 12.0 0.0 27.6
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.198 min Scan# 3079
Delta R.T. 0.006 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

Tgt Ion:240 Resp: 671164
Ion Ratio Lower Upper
240 100
120 12.8 6.5 9.7#
236 26.1 20.6 31.0





#78

Pyrene

Concen: 29.235 ng

RT: 19.469 min Scan# 2785

Delta R.T. 0.006 min

Lab File: BP006880.D

Acq: 25 Aug 2021 14:20

Instrument :

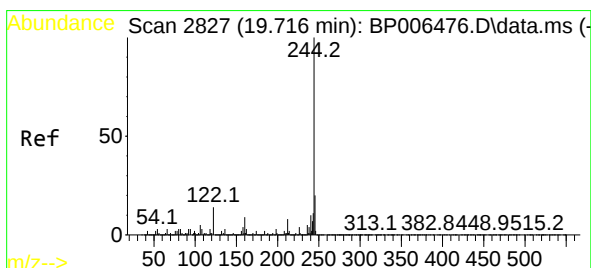
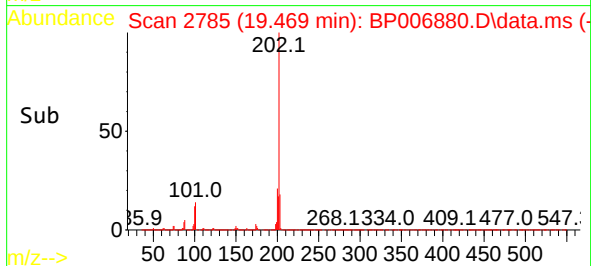
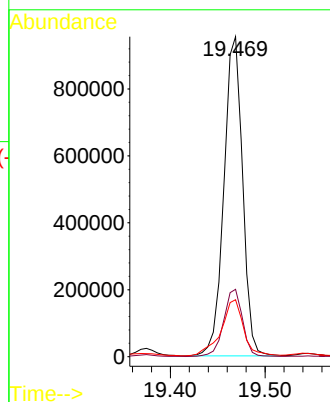
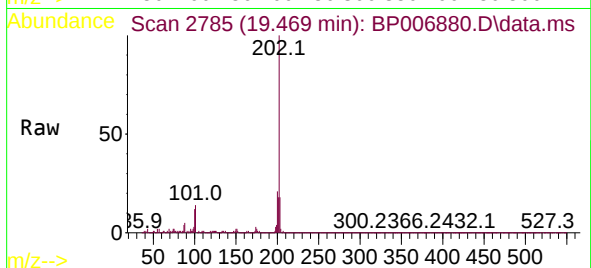
BNA_P

ClientSampleId :

SWCS-03-0205DL

Tgt Ion:202 Resp: 1310609

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.3	24.5
203	17.8	14.2	21.2



#79

Terphenyl-d14

Concen: 14.959 ng

RT: 19.669 min Scan# 2819

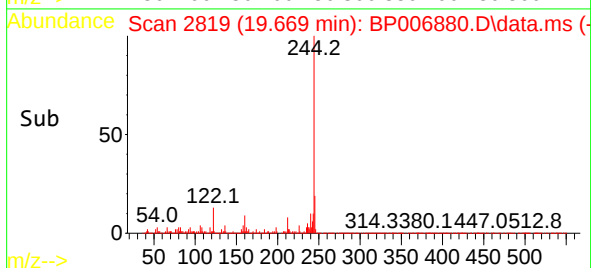
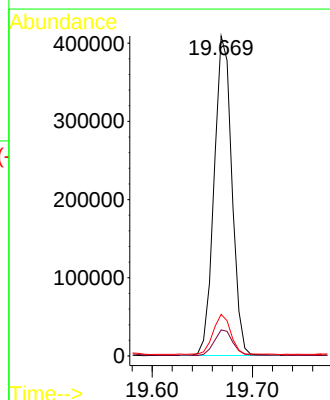
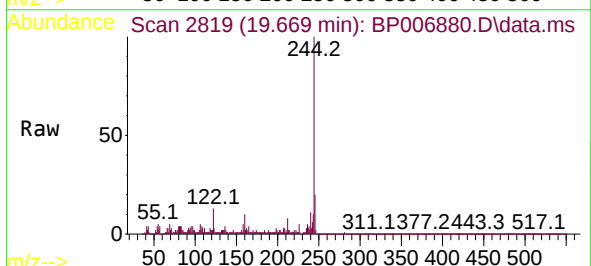
Delta R.T. 0.000 min

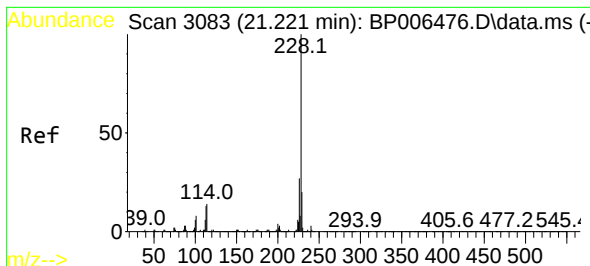
Lab File: BP006880.D

Acq: 25 Aug 2021 14:20

Tgt Ion:244 Resp: 501050

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.0	9.0
122	13.0	7.1	10.7

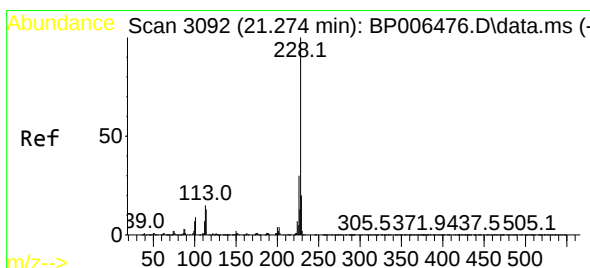
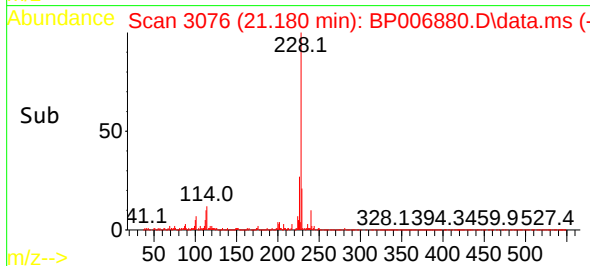
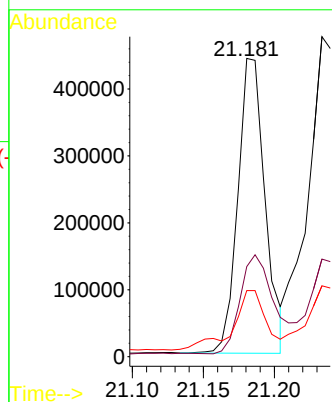
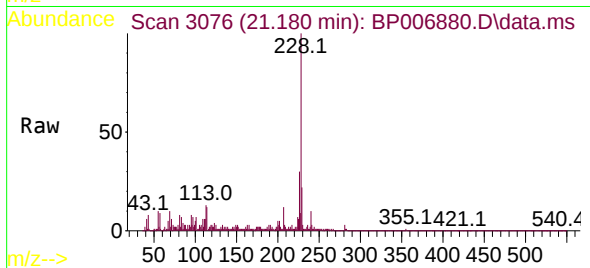




#81
Benzo(a)anthracene
Concen: 13.438 ng
RT: 21.180 min Scan# 3076
Delta R.T. 0.000 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

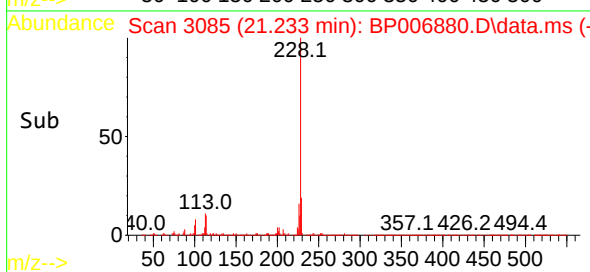
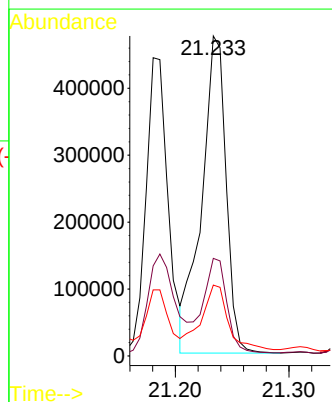
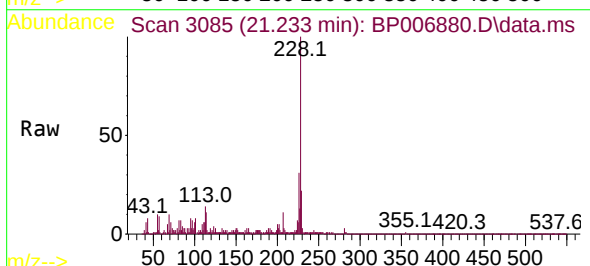
Instrument :
BNA_P
ClientSampleId :
SWCS-03-0205DL

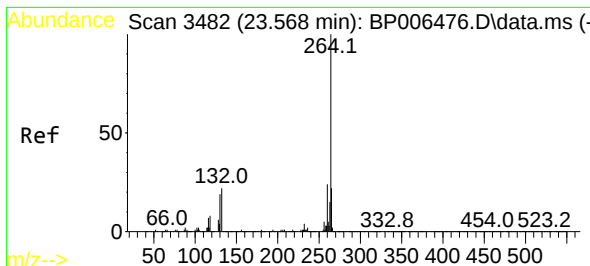
Tgt Ion:228 Resp: 589412
Ion Ratio Lower Upper
228 100
226 30.2 21.6 32.4
229 22.2 15.8 23.6



#83
Chrysene
Concen: 16.720 ng
RT: 21.233 min Scan# 3085
Delta R.T. 0.006 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

Tgt Ion:228 Resp: 710989
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.6
229 22.1 15.4 23.2

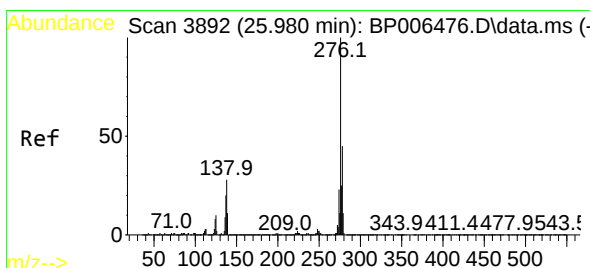
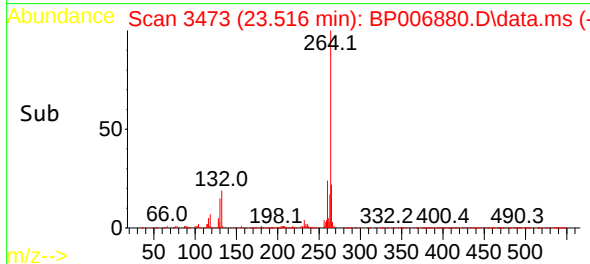
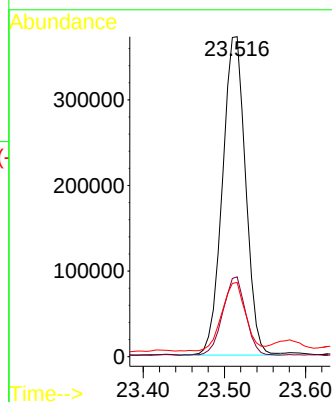
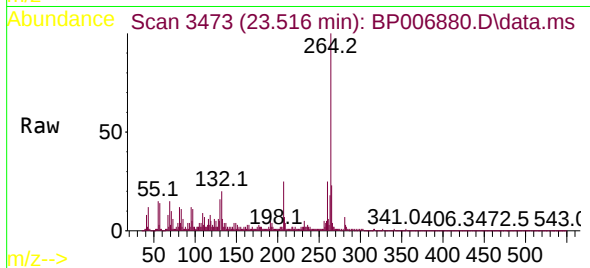




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.516 min Scan# 3473
Delta R.T. 0.018 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

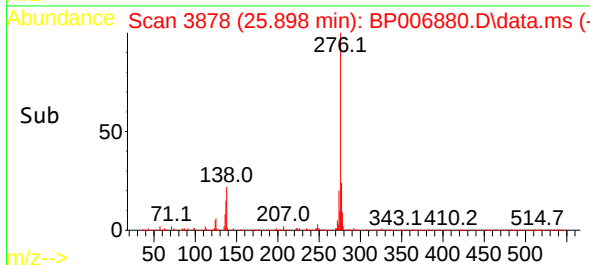
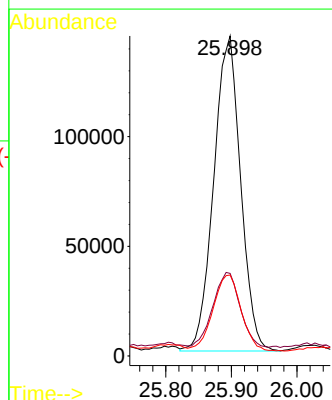
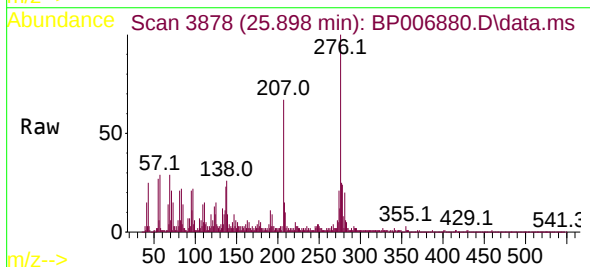
Instrument :
BNA_P
ClientSampleId :
SWCS-03-0205DL

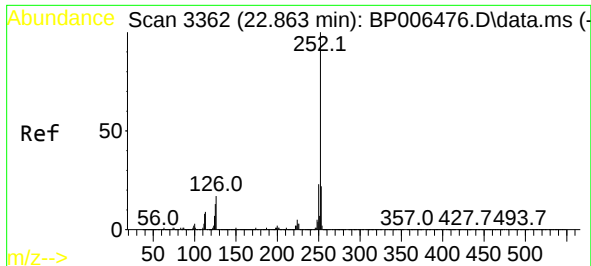
Tgt Ion:264 Resp: 737191
Ion Ratio Lower Upper
264 100
260 24.9 18.6 28.0
265 23.2 17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.642 ng
RT: 25.898 min Scan# 3878
Delta R.T. 0.024 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

Tgt Ion:276 Resp: 408471
Ion Ratio Lower Upper
276 100
138 23.9 15.3 22.9#
277 25.3 20.4 30.6

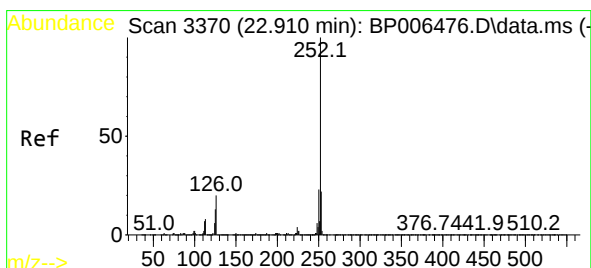
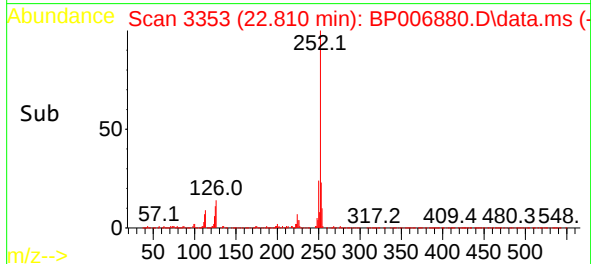
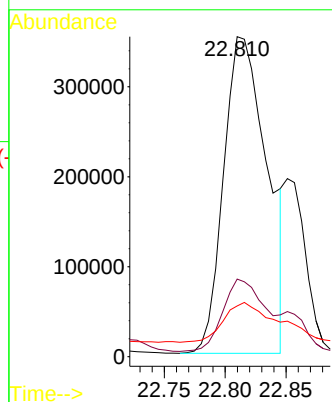
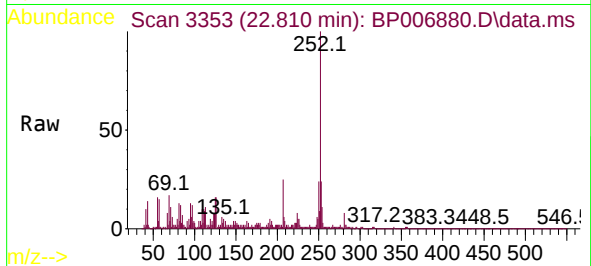




#88
Benzo(b)fluoranthene
Concen: 18.240 ng
RT: 22.810 min Scan# 3353
Delta R.T. 0.012 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

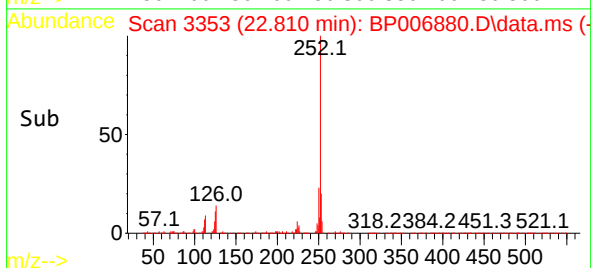
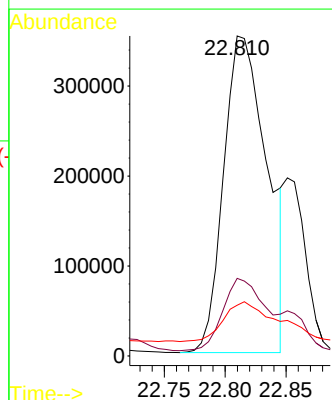
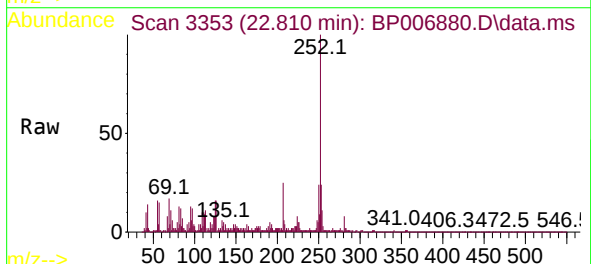
Instrument :
BNA_P
ClientSampleId :
SWCS-03-0205DL

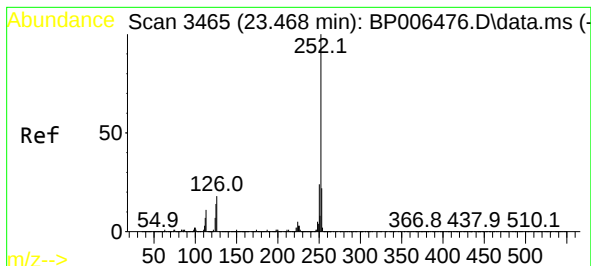
Tgt Ion:252 Resp: 873896
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 15.9 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 18.997 ng
RT: 22.810 min Scan# 3353
Delta R.T. -0.035 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

Tgt Ion:252 Resp: 873896
Ion Ratio Lower Upper
252 100
253 24.3 17.6 26.4
125 15.9 6.0 9.0#

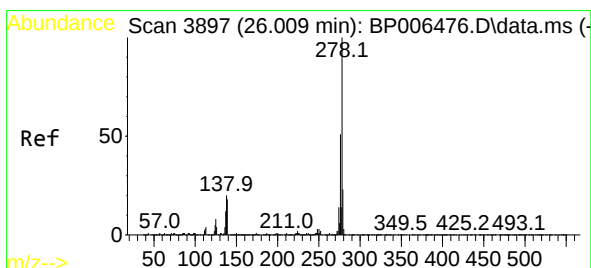
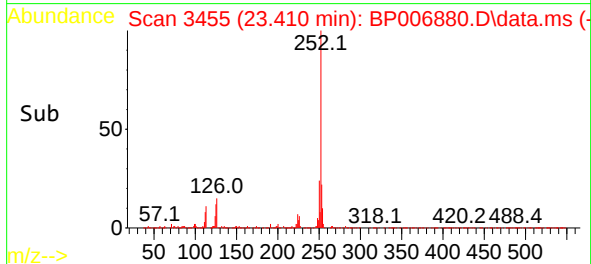
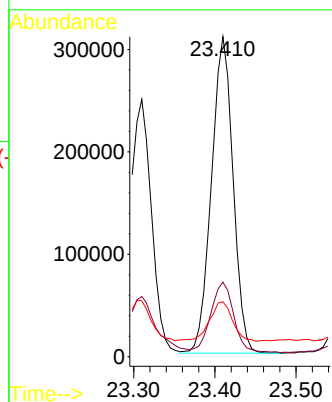
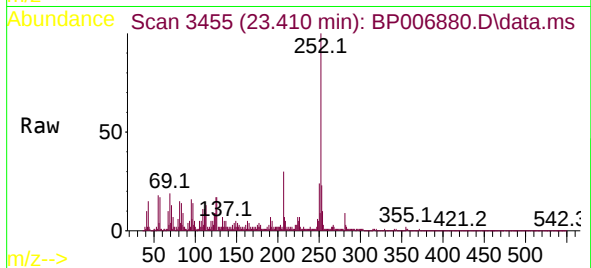




#90
Benzo(a)pyrene
Concen: 13.323 ng
RT: 23.410 min Scan# 3455
Delta R.T. 0.012 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

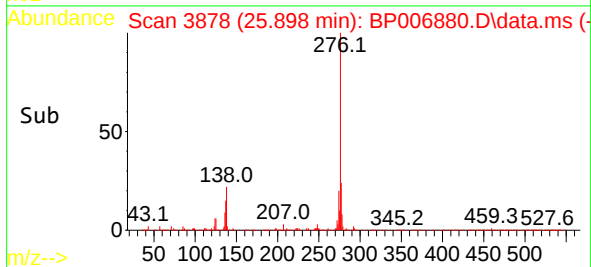
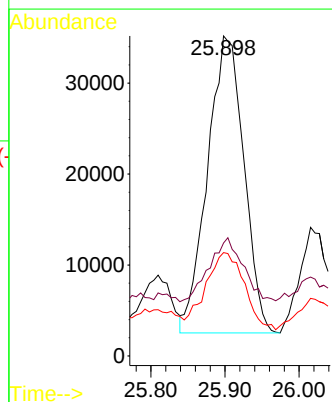
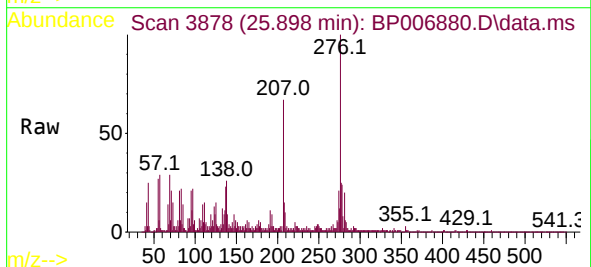
Instrument :
BNA_P
ClientSampleId :
SWCS-03-0205DL

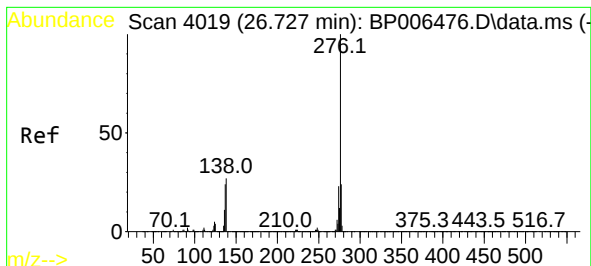
Tgt Ion:252 Resp: 572544
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 17.2 6.5 9.7#



#91
Dibenzo(a,h)anthracene
Concen: 2.407 ng
RT: 25.898 min Scan# 3878
Delta R.T. 0.006 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

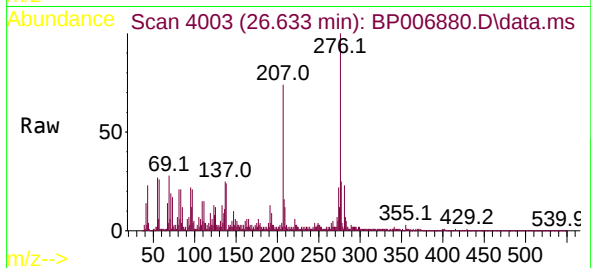
Tgt Ion:278 Resp: 111246
Ion Ratio Lower Upper
278 100
139 35.3 9.3 13.9#
279 32.3 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 9.790 ng
RT: 26.633 min Scan# 4003
Delta R.T. 0.030 min
Lab File: BP006880.D
Acq: 25 Aug 2021 14:20

Instrument :
BNA_P
ClientSampleId :
SWCS-03-0205DL



Tgt Ion: 276 Resp: 433598
Ion Ratio Lower Upper
276 100
277 25.1 18.9 28.3
138 24.1 12.6 18.8#

