

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082321\
 Data File : BP006840.D
 Acq On : 23 Aug 2021 20:20
 Operator : CG/JU
 Sample : M3435-01DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SWCS-17-0003DL

Quant Time: Aug 24 09:52:29 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 23 11:39:38 2021
 Response via : Initial Calibration

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

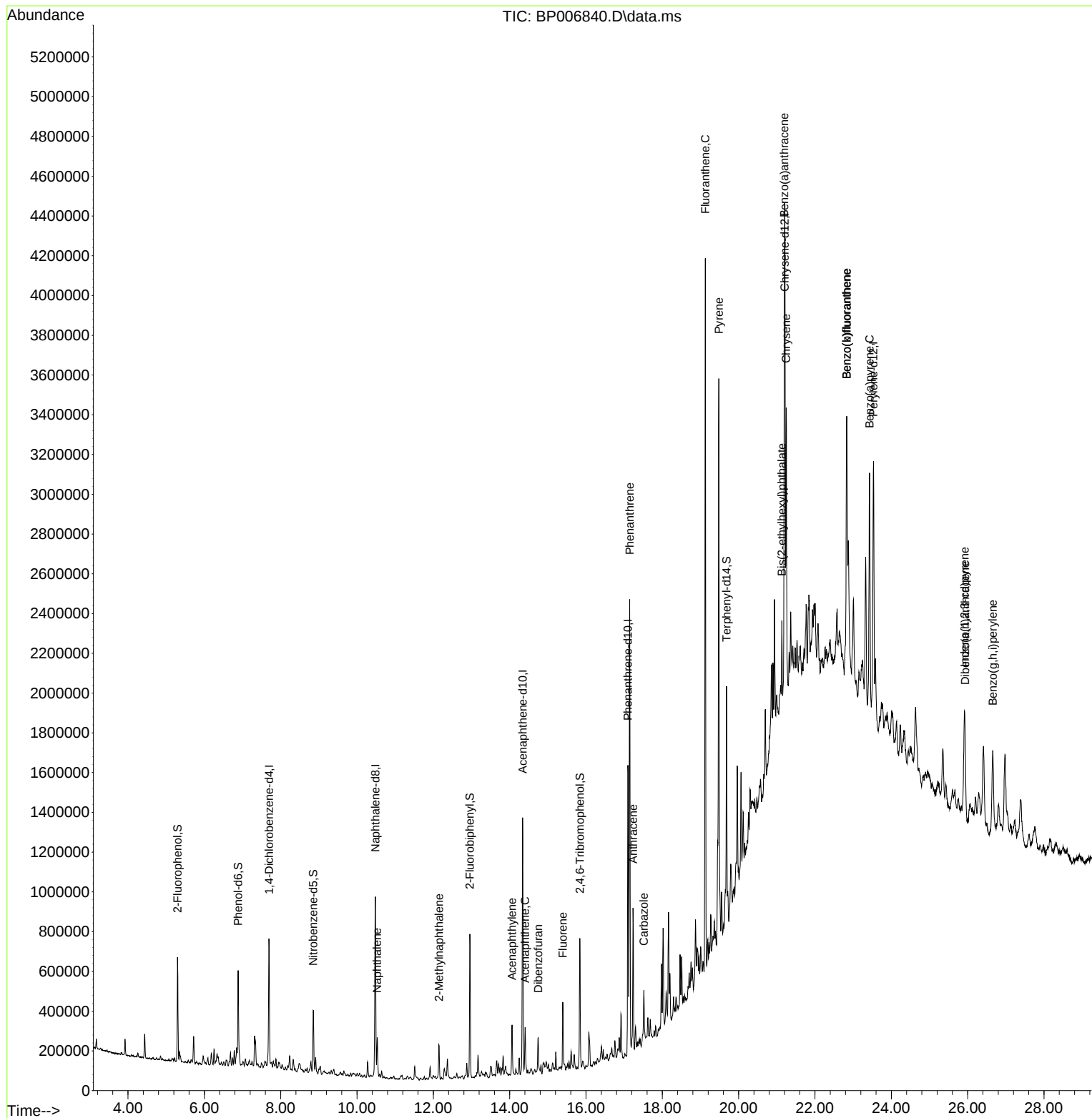
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	170420	20.000	ng	0.00
21) Naphthalene-d8	10.481	136	723555	20.000	ng	# 0.00
39) Acenaphthene-d10	14.340	164	419437	20.000	ng	0.00
64) Phenanthrene-d10	17.098	188	832848	20.000	ng	# 0.00
76) Chrysene-d12	21.210	240	776073	20.000	ng	# 0.00
86) Perylene-d12	23.533	264	848204	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	218297	19.674	ng	0.00
7) Phenol-d6	6.887	99	277262	17.591	ng	0.00
23) Nitrobenzene-d5	8.852	82	190777	12.170	ng	0.00
42) 2,4,6-Tribromophenol	15.840	330	96265	21.960	ng	0.00
45) 2-Fluorobiphenyl	12.957	172	360887	12.873	ng	0.00
79) Terphenyl-d14	19.681	244	465124	12.009	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.528	128	156205	4.018	ng	99
37) 2-Methylnaphthalene	12.152	142	81483	3.093	ng	98
49) Acenaphthylene	14.063	152	168764	4.281	ng	98
52) Acenaphthene	14.404	154	74840	3.119	ng	96
55) Dibenzofuran	14.745	168	90460	2.397	ng	96
58) Fluorene	15.393	166	136016	4.509	ng	98
71) Phenanthrene	17.145	178	1295612	27.579	ng	100
72) Anthracene	17.234	178	417746	9.203	ng	99
73) Carbazole	17.516	167	141504	3.056	ng	98
75) Fluoranthene	19.128	202	1835663	34.814	ng	96
78) Pyrene	19.481	202	1595985	30.788	ng	99
81) Benzo(a)anthracene	21.198	228	795867	15.692	ng	94
83) Chrysene	21.245	228	767191	15.603	ng	97
84) Bis(2-ethylhexyl)phtha...	21.133	149	134080	3.914	ng	# 98
87) Indeno(1,2,3-cd)pyrene	25.921	276	504872	8.209	ng	# 95
88) Benzo(b)fluoranthene	22.827	252	1043456	18.928	ng	# 91
89) Benzo(k)fluoranthene	22.827	252	1043456	19.715	ng	# 91
90) Benzo(a)pyrene	23.427	252	729133	14.746	ng	# 93
91) Dibenzo(a,h)anthracene	25.933	278	130334	2.451	ng	# 74
92) Benzo(g,h,i)perylene	26.657	276	505597	9.922	ng	# 90

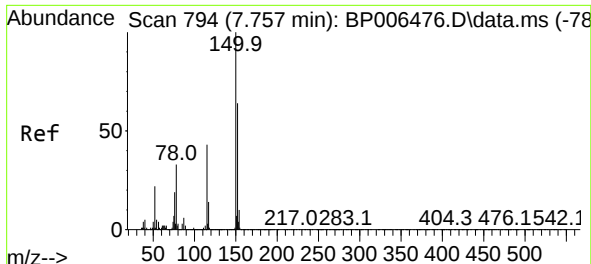
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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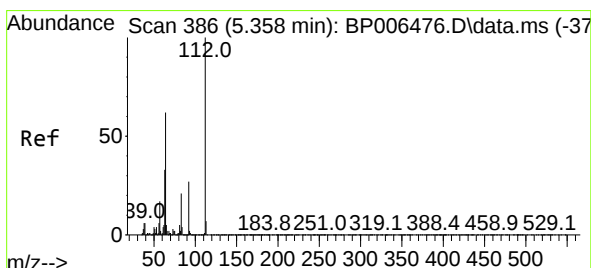
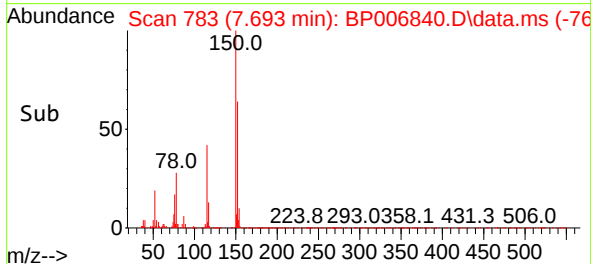
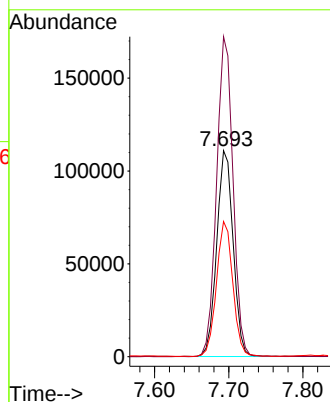
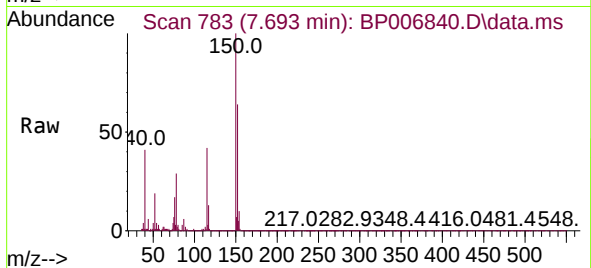




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.693 min Scan# 783
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

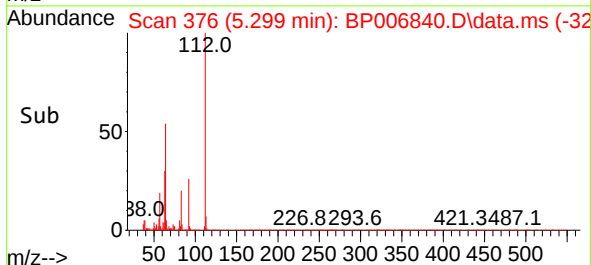
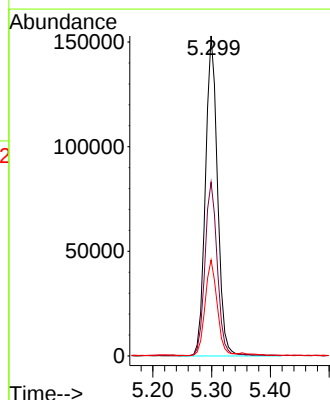
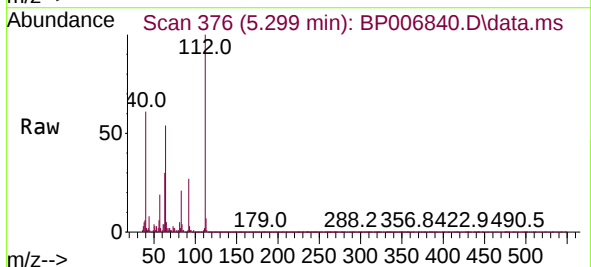
Instrument :
BNA_P
ClientSampleId :
SWCS-17-0003DL

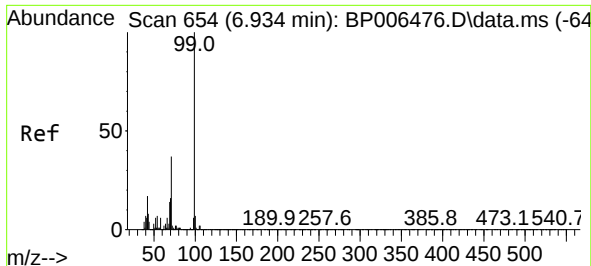
Tgt Ion:152 Resp: 170420
Ion Ratio Lower Upper
152 100
150 155.3 125.6 188.4
115 65.6 48.5 72.7



#5
2-Fluorophenol
Concen: 19.674 ng
RT: 5.299 min Scan# 376
Delta R.T. -0.000 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

Tgt Ion:112 Resp: 218297
Ion Ratio Lower Upper
112 100
64 54.3 41.4 62.2
63 30.0 23.8 35.8

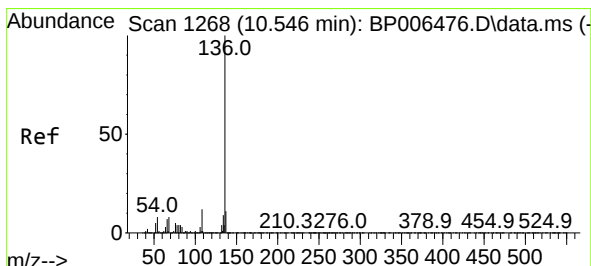
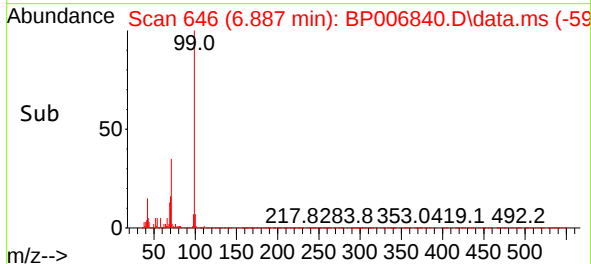
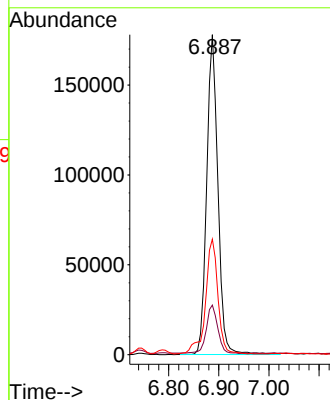
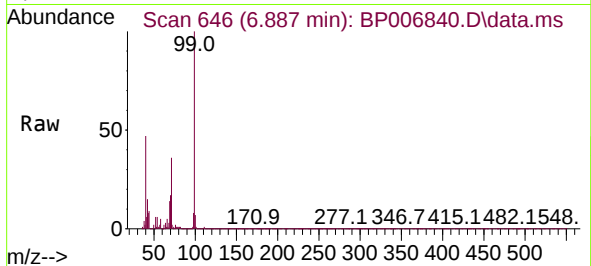




#7
Phenol-d6
Concen: 17.591 ng
RT: 6.887 min Scan# 646
Delta R.T. -0.000 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

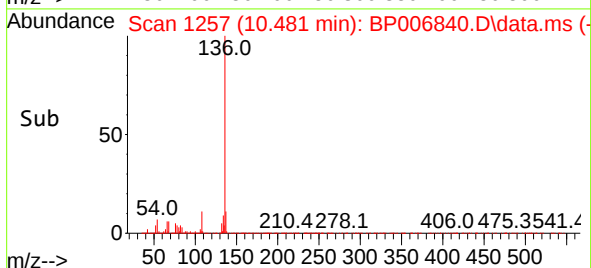
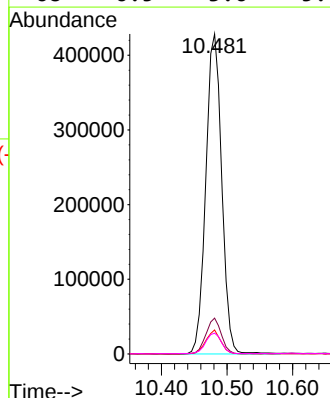
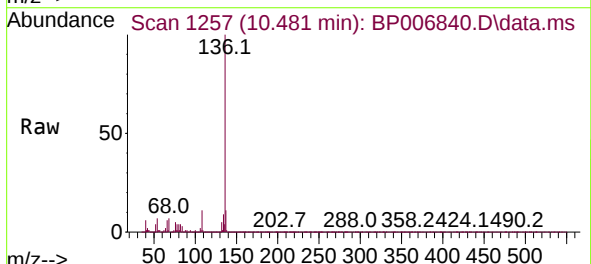
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ClientSampleId :
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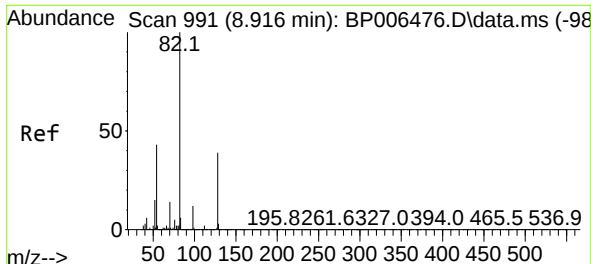
Tgt Ion:	99	Resp:	277262
Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.4	20.0
71	36.1	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.000 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

Tgt Ion:	136	Resp:	723555
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	7.5	4.6	6.8#
68	6.5	3.6	5.4#

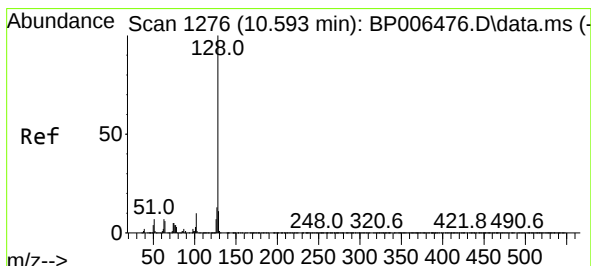
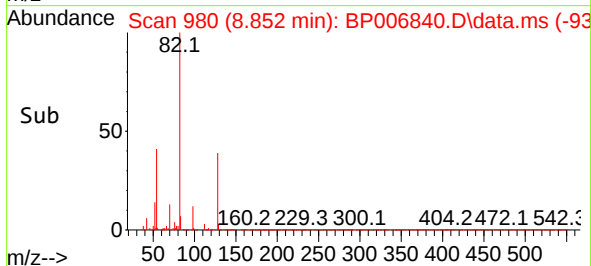
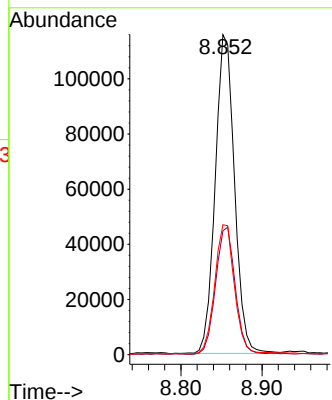
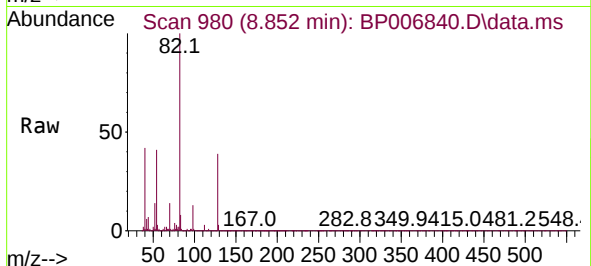




#23
Nitrobenzene-d5
Concen: 12.170 ng
RT: 8.852 min Scan# 980
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

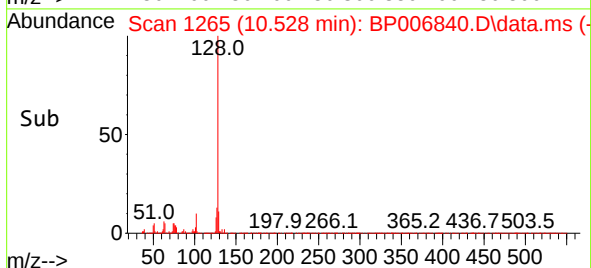
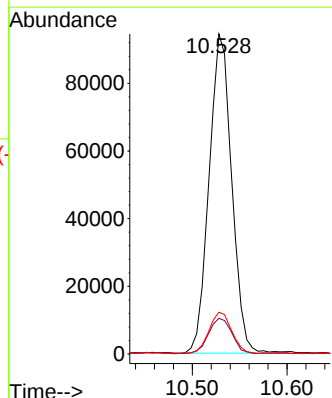
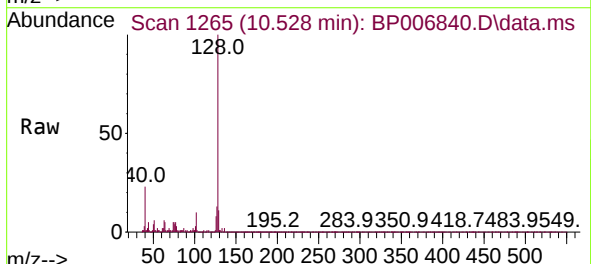
Instrument :
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ClientSampleId :
SWCS-17-0003DL

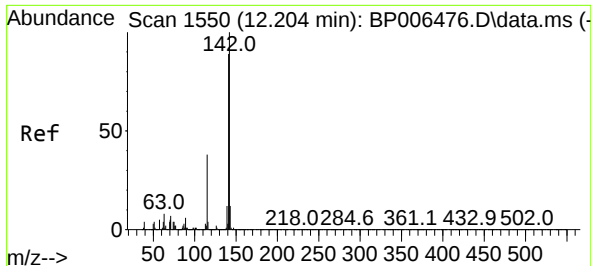
Tgt Ion:	82	Resp:	190777
Ion	Ratio	Lower	Upper
82	100		
128	38.7	35.7	53.5
54	40.6	35.0	52.4



#31
Naphthalene
Concen: 4.018 ng
RT: 10.528 min Scan# 1265
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

Tgt Ion:	128	Resp:	156205
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.1	10.7	16.1

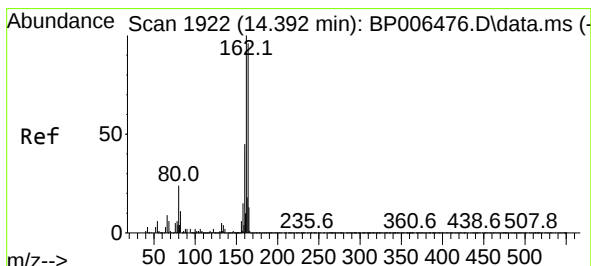
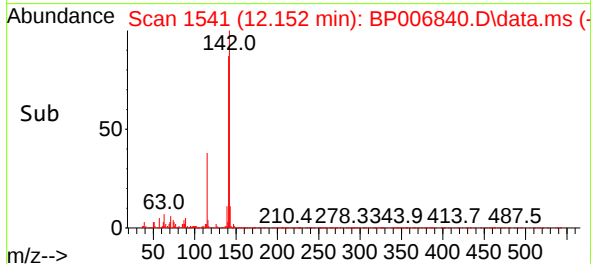
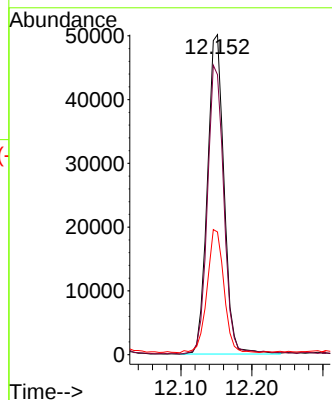
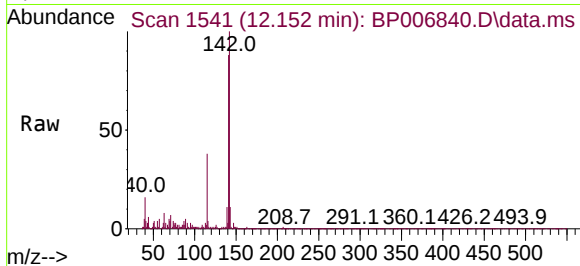




#37
2-Methylnaphthalene
Concen: 3.093 ng
RT: 12.152 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

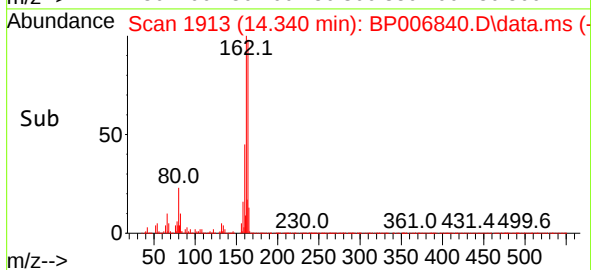
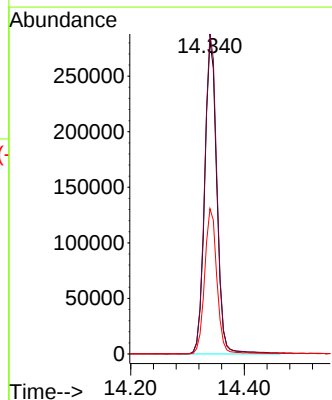
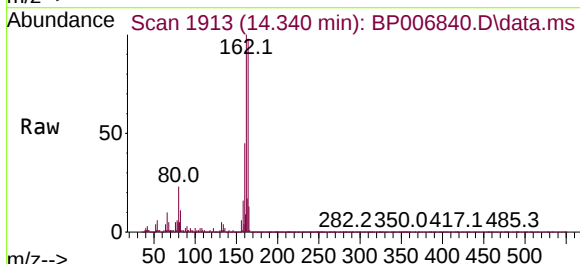
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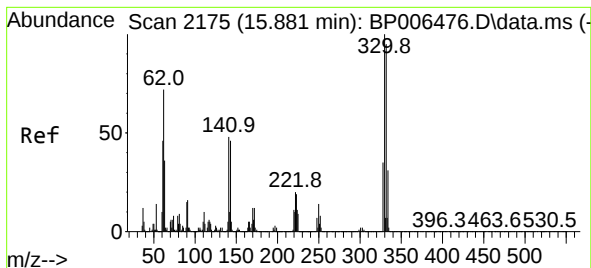
Tgt Ion:	142	Resp:	81483
Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.8	107.6
115	38.4	31.6	47.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

Tgt Ion:	164	Resp:	419437
Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.2	120.2
160	46.3	34.5	51.7

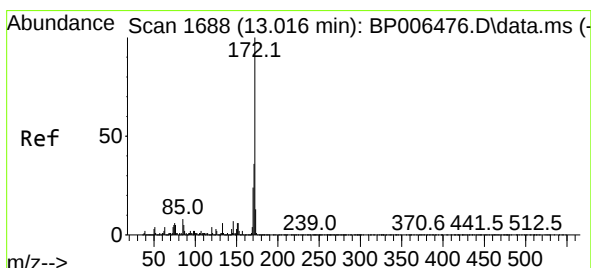
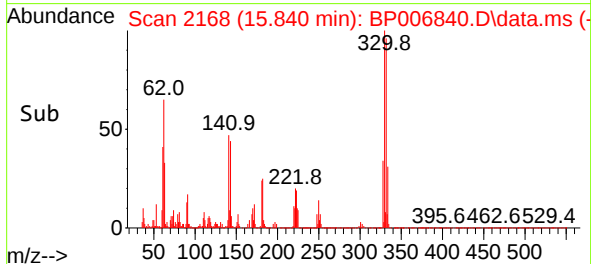
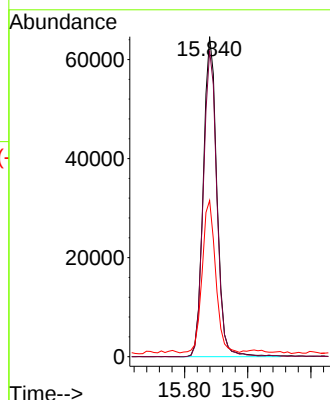
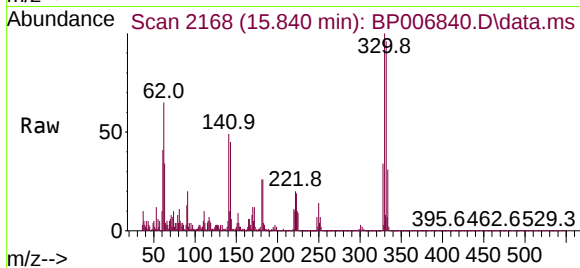




#42
2,4,6-Tribromophenol
Concen: 21.960 ng
RT: 15.840 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

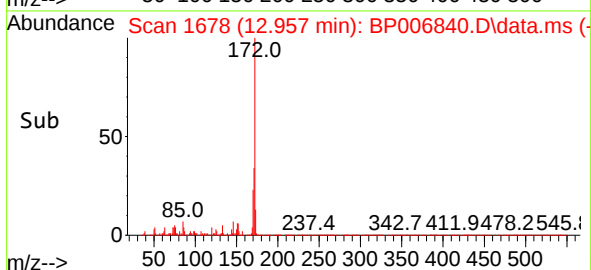
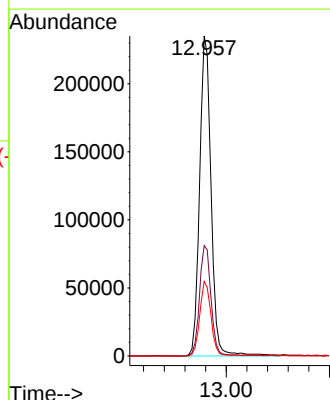
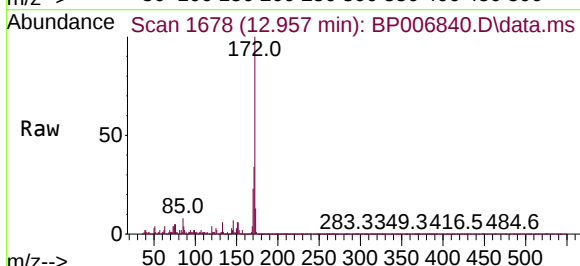
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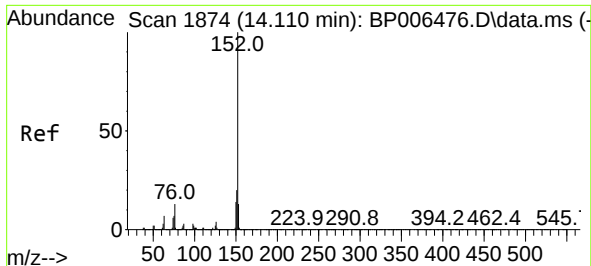
Tgt Ion:330 Resp: 96265
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.8
141 47.1 25.4 38.2#



#45
2-Fluorobiphenyl
Concen: 12.873 ng
RT: 12.957 min Scan# 1678
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

Tgt Ion:172 Resp: 360887
Ion Ratio Lower Upper
172 100
171 34.5 27.9 41.9
170 23.3 18.6 27.8

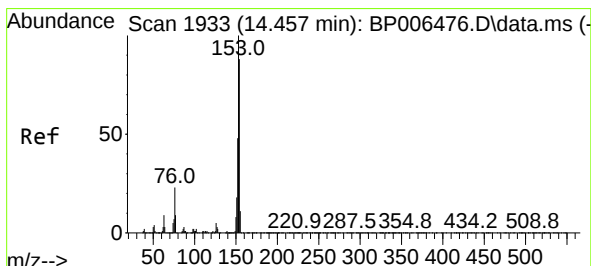
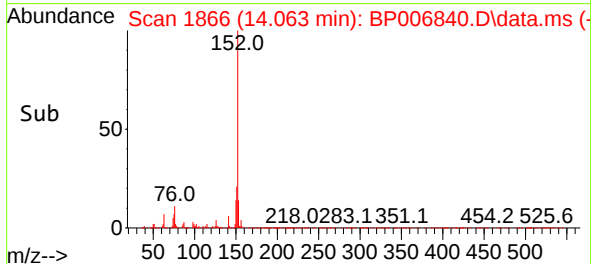
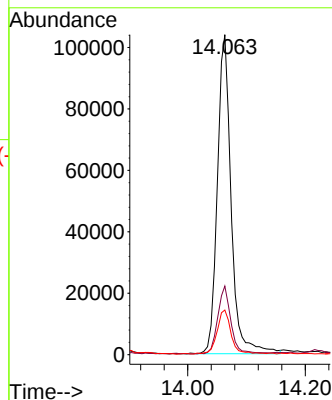
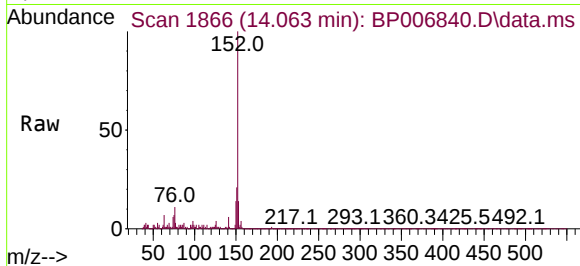




#49
Acenaphthylene
Concen: 4.281 ng
RT: 14.063 min Scan# 1866
Delta R.T. -0.000 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

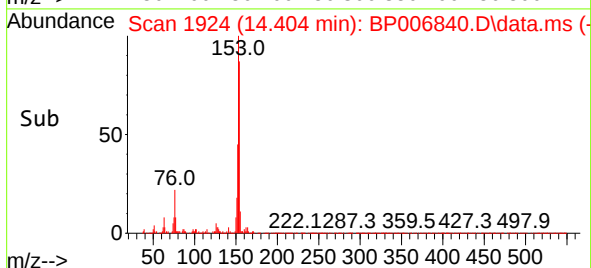
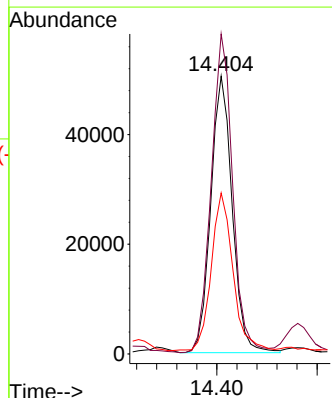
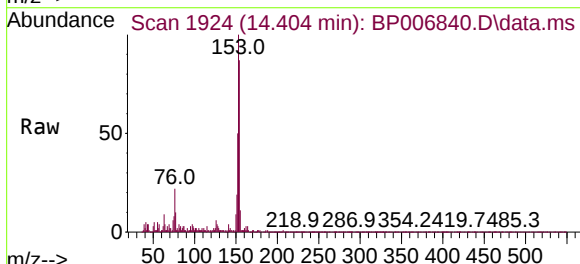
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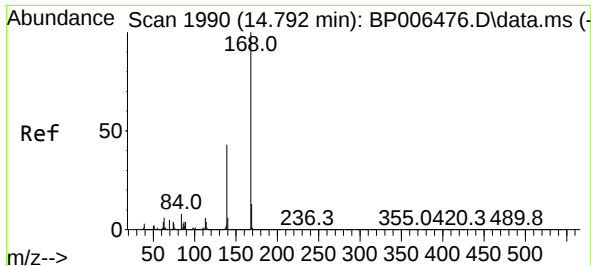
Tgt Ion:152 Resp: 168764
Ion Ratio Lower Upper
152 100
151 21.4 16.2 24.2
153 13.9 10.6 16.0



#52
Acenaphthene
Concen: 3.119 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

Tgt Ion:154 Resp: 74840
Ion Ratio Lower Upper
154 100
153 115.2 89.4 134.2
152 57.9 43.0 64.4

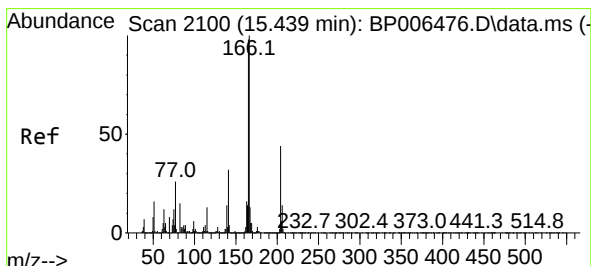
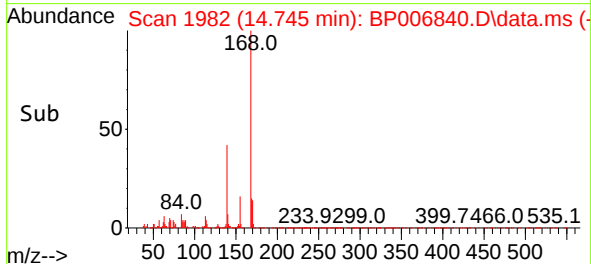
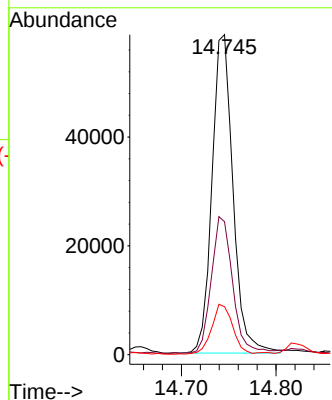
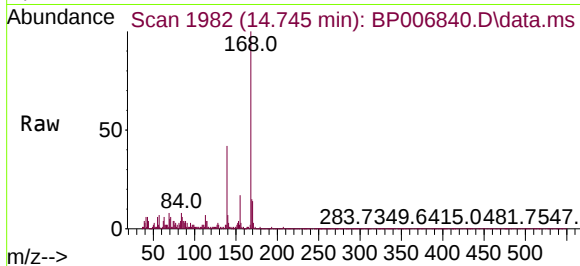




#55
Dibenzofuran
Concen: 2.397 ng
RT: 14.745 min Scan# 1982
Delta R.T. -0.000 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

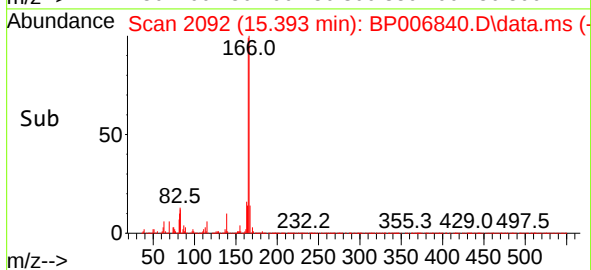
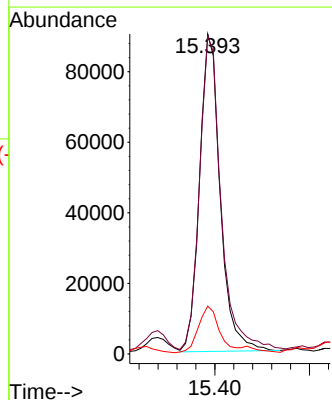
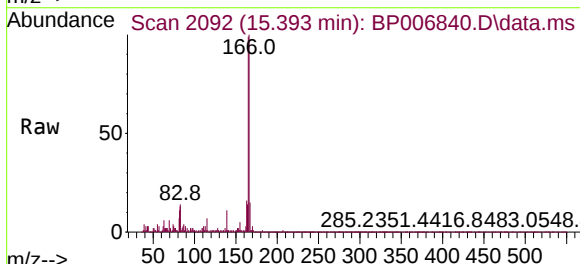
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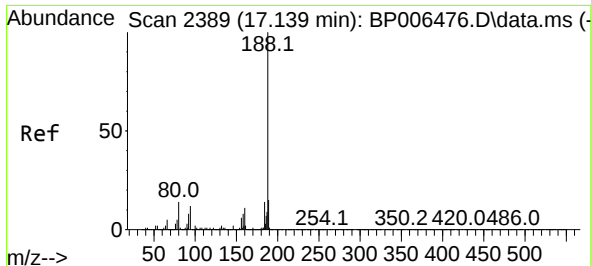
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Ion Ratio Lower Upper
168 100
139 41.6 31.0 46.6
169 15.0 10.8 16.2



#58
Fluorene
Concen: 4.509 ng
RT: 15.393 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

Tgt Ion:166 Resp: 136016
Ion Ratio Lower Upper
166 100
165 99.4 78.0 117.0
167 14.9 10.5 15.7

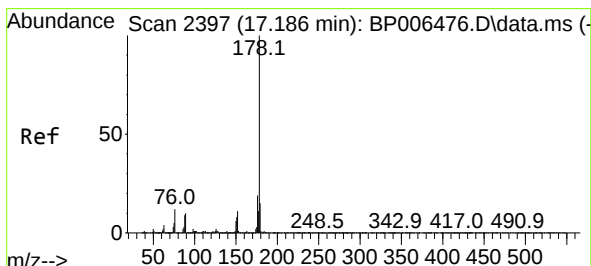
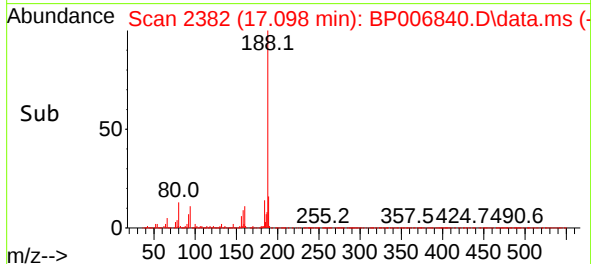
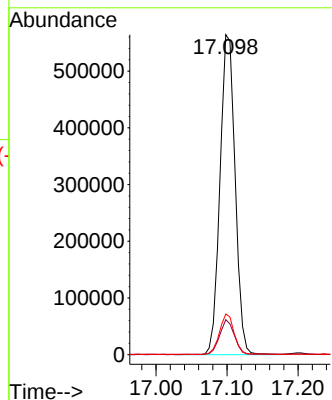
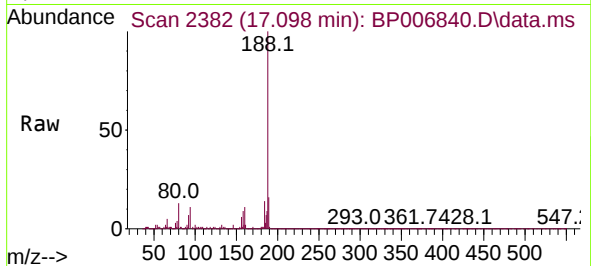




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.098 min Scan# 2382
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

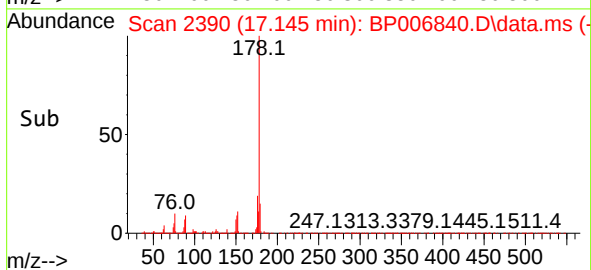
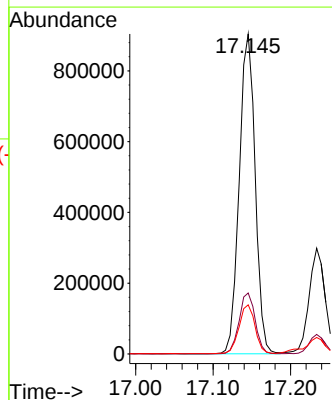
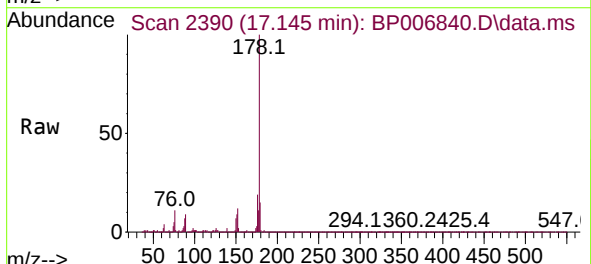
Instrument :
BNA_P
ClientSampleId :
SWCS-17-0003DL

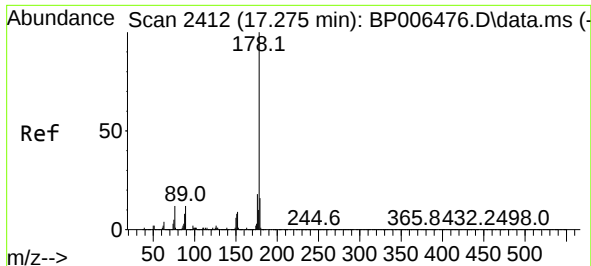
Tgt Ion:188 Resp: 832848
Ion Ratio Lower Upper
188 100
94 10.9 5.6 8.4#
80 12.7 6.3 9.5#



#71
Phenanthrene
Concen: 27.579 ng
RT: 17.145 min Scan# 2390
Delta R.T. -0.000 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

Tgt Ion:178 Resp: 1295612
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.4 12.4 18.6

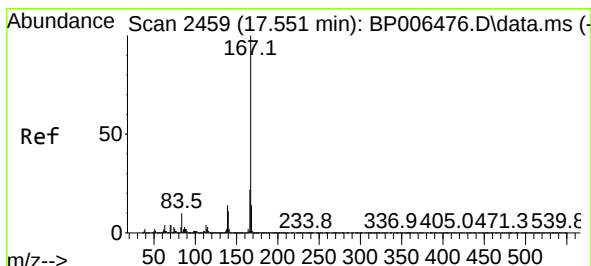
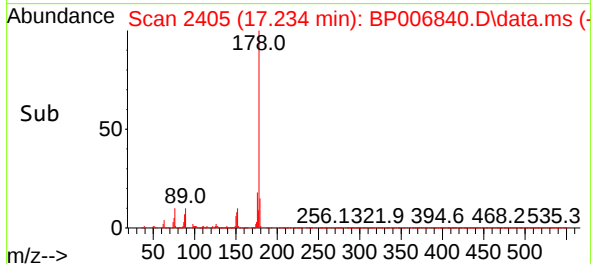
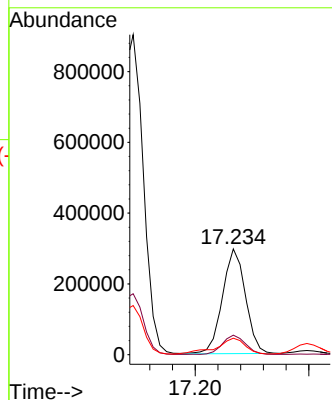
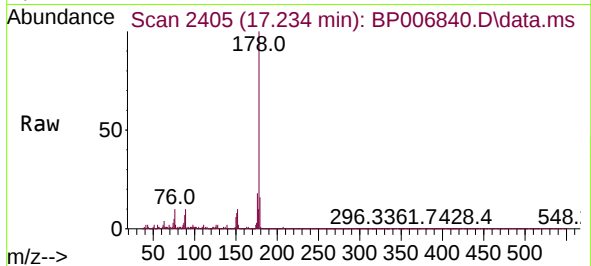




#72
 Anthracene
 Concen: 9.203 ng
 RT: 17.234 min Scan# 2405
 Delta R.T. -0.006 min
 Lab File: BP006840.D
 Acq: 23 Aug 2021 20:20

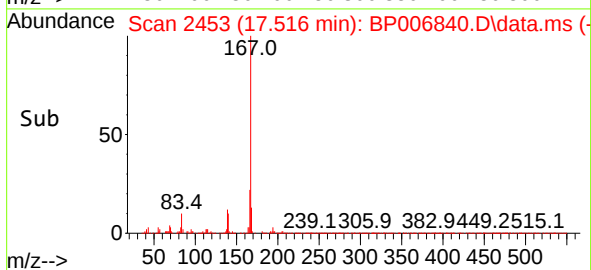
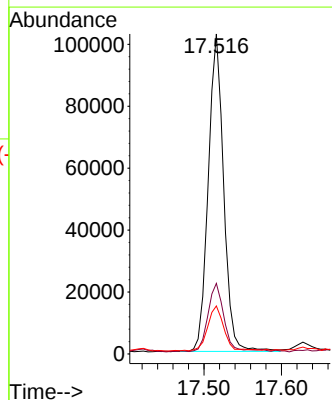
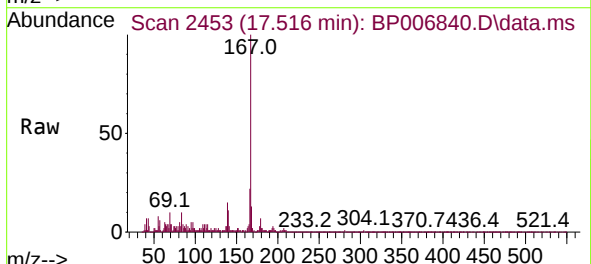
Instrument :
 BNA_P
 ClientSampleId :
 SWCS-17-0003DL

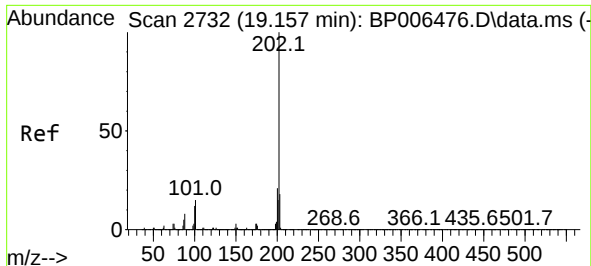
Tgt Ion:178 Resp: 417746
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.9 22.3
 179 15.6 12.2 18.2



#73
 Carbazole
 Concen: 3.056 ng
 RT: 17.516 min Scan# 2453
 Delta R.T. -0.006 min
 Lab File: BP006840.D
 Acq: 23 Aug 2021 20:20

Tgt Ion:167 Resp: 141504
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.1 25.7
 139 15.0 10.7 16.1

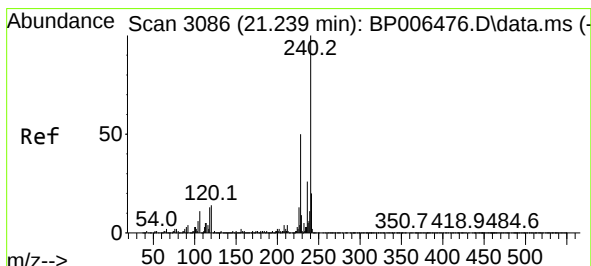
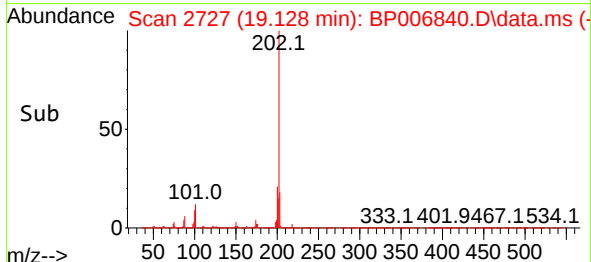
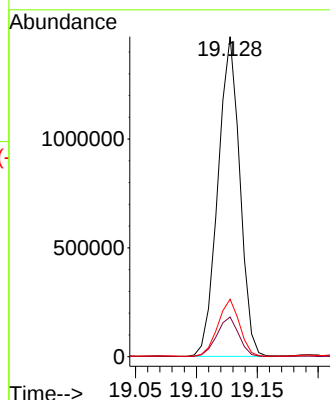
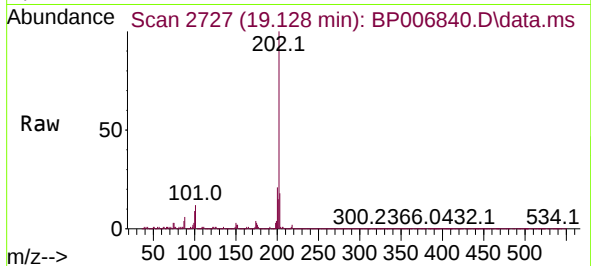




#75
Fluoranthene
Concen: 34.814 ng
RT: 19.128 min Scan# 2727
Delta R.T. -0.000 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

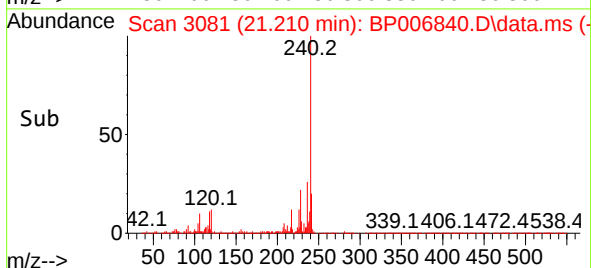
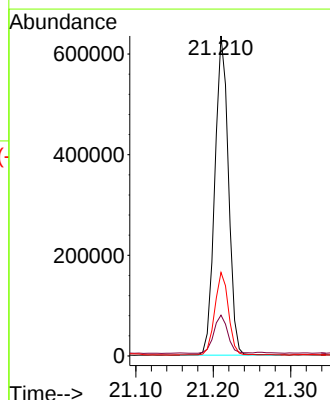
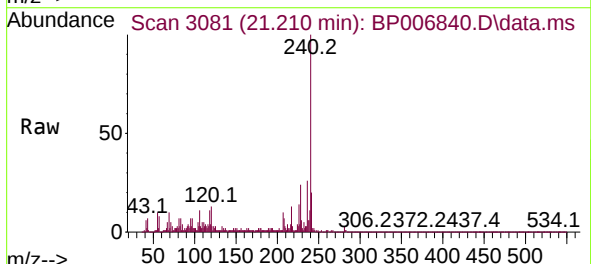
Instrument :
BNA_P
ClientSampleId :
SWCS-17-0003DL

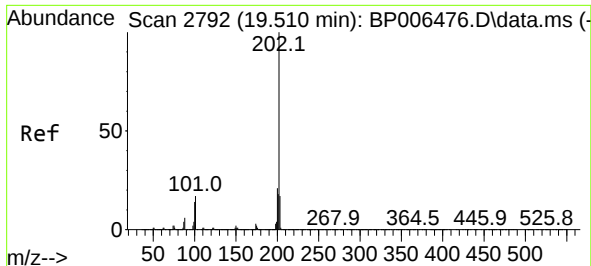
Tgt Ion:202 Resp: 1835663
Ion Ratio Lower Upper
202 100
101 12.4 0.0 27.6
203 17.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.210 min Scan# 3081
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

Tgt Ion:240 Resp: 776073
Ion Ratio Lower Upper
240 100
120 12.7 6.5 9.7#
236 26.1 20.6 31.0

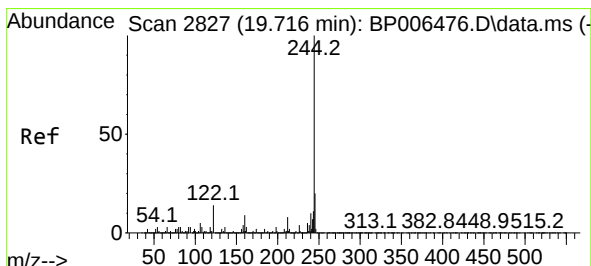
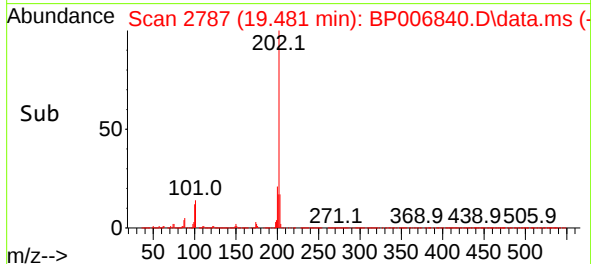
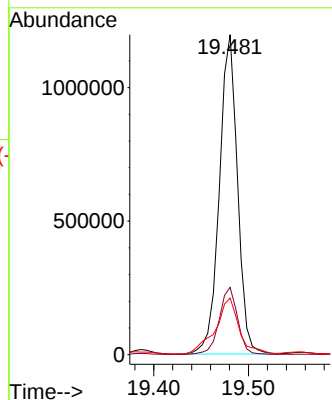
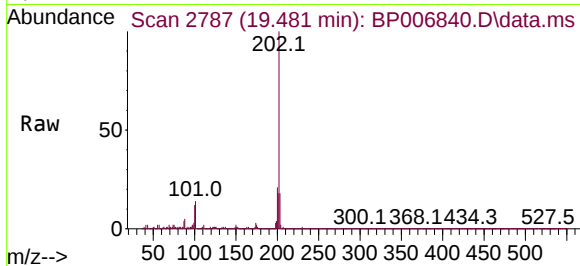




#78
Pyrene
Concen: 30.788 ng
RT: 19.481 min Scan# 2787
Delta R.T. -0.000 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

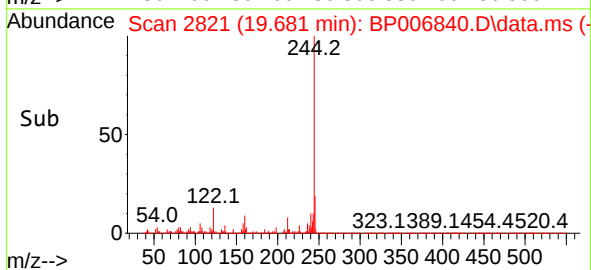
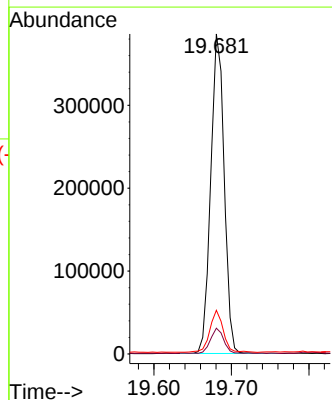
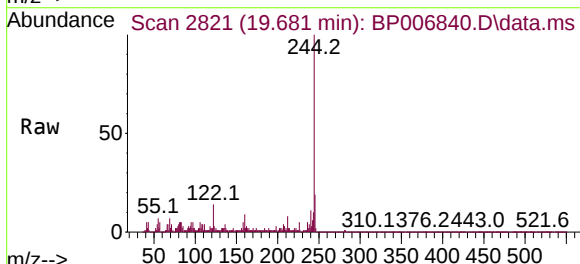
Instrument :
BNA_P
ClientSampleId :
SWCS-17-0003DL

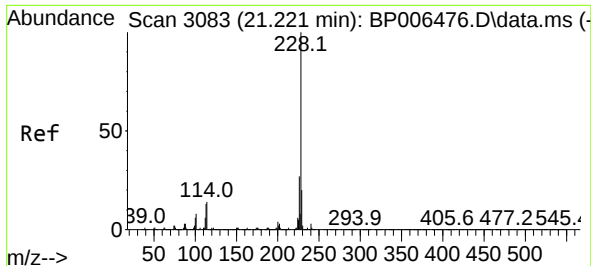
Tgt Ion:202 Resp: 1595985
Ion Ratio Lower Upper
202 100
200 21.0 16.3 24.5
203 17.7 14.2 21.2



#79
Terphenyl-d14
Concen: 12.009 ng
RT: 19.681 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

Tgt Ion:244 Resp: 465124
Ion Ratio Lower Upper
244 100
212 8.0 6.0 9.0
122 13.7 7.1 10.7#

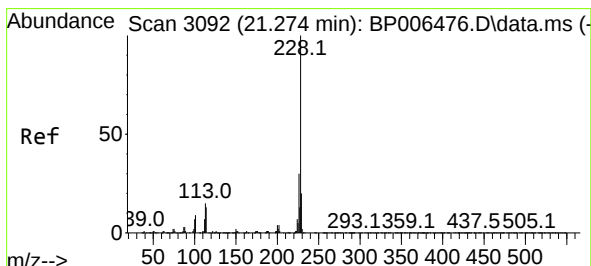
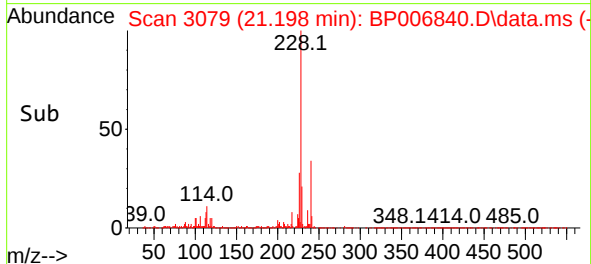
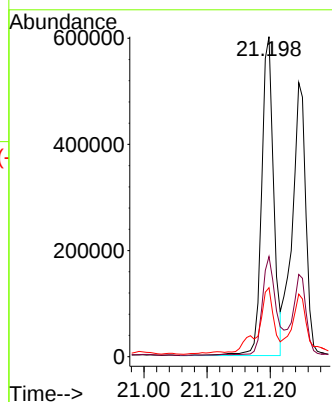
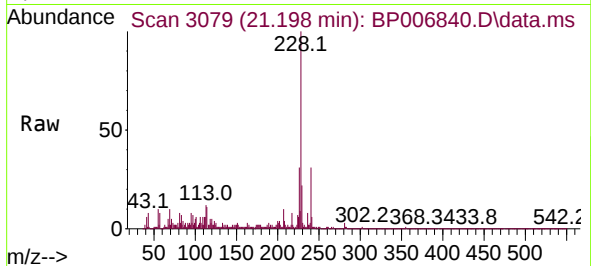




#81
Benzo(a)anthracene
Concen: 15.692 ng
RT: 21.198 min Scan# 3079
Delta R.T. -0.000 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

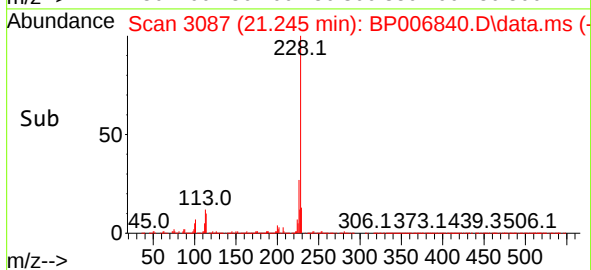
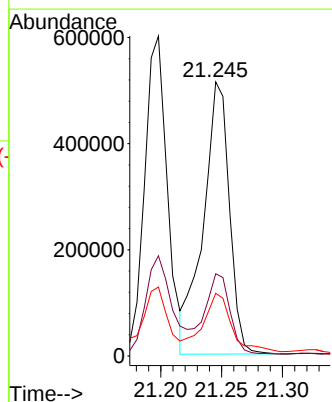
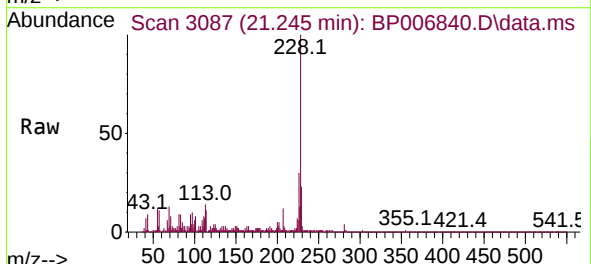
Instrument :
BNA_P
ClientSampleId :
SWCS-17-0003DL

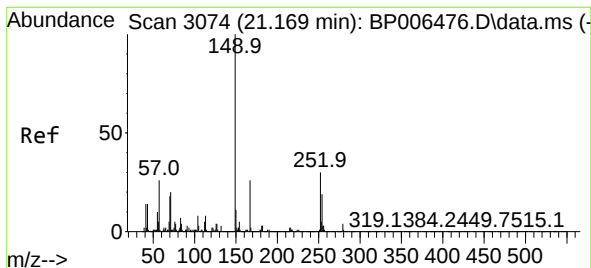
Tgt Ion:228 Resp: 795867
Ion Ratio Lower Upper
228 100
226 31.3 21.6 32.4
229 21.6 15.8 23.6



#83
Chrysene
Concen: 15.603 ng
RT: 21.245 min Scan# 3087
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

Tgt Ion:228 Resp: 767191
Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.6
229 22.8 15.4 23.2

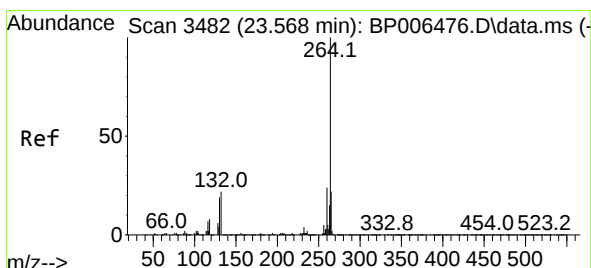
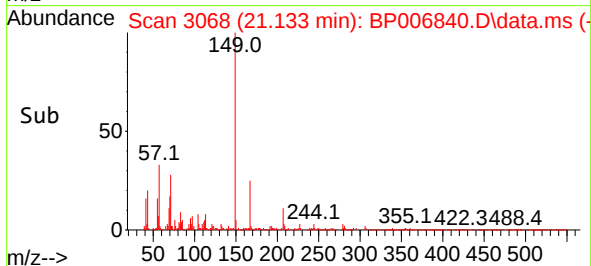
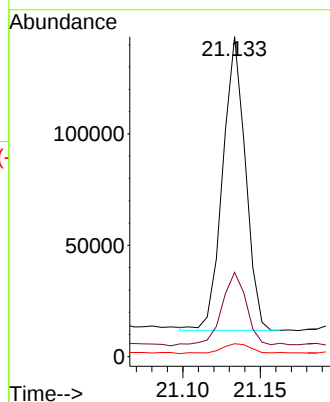
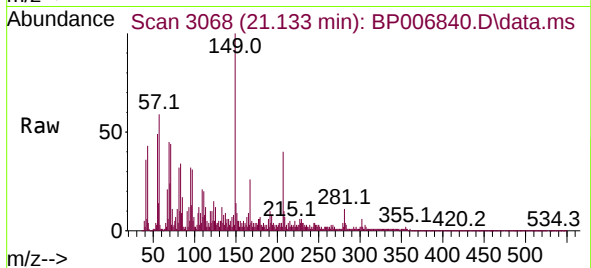




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.914 ng
 RT: 21.133 min Scan# 3068
 Delta R.T. -0.000 min
 Lab File: BP006840.D
 Acq: 23 Aug 2021 20:20

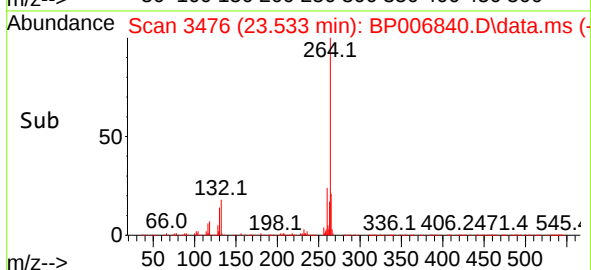
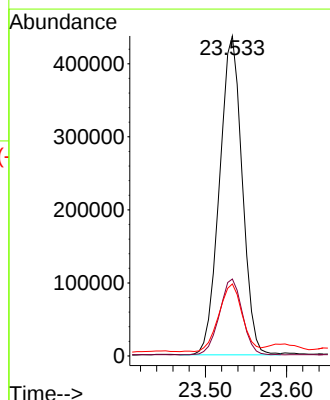
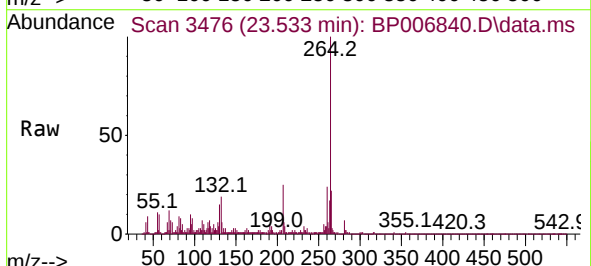
Instrument :
 BNA_P
 ClientSampleID :
 SWCS-17-0003DL

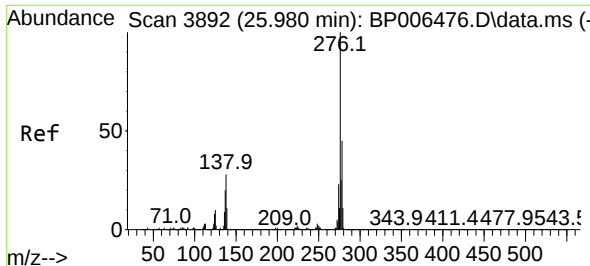
Tgt Ion:149 Resp: 134080
 Ion Ratio Lower Upper
 149 100
 167 26.4 21.9 32.9
 279 4.1 4.3 6.5#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.533 min Scan# 3476
 Delta R.T. -0.000 min
 Lab File: BP006840.D
 Acq: 23 Aug 2021 20:20

Tgt Ion:264 Resp: 848204
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 28.0
 265 22.5 17.6 26.4

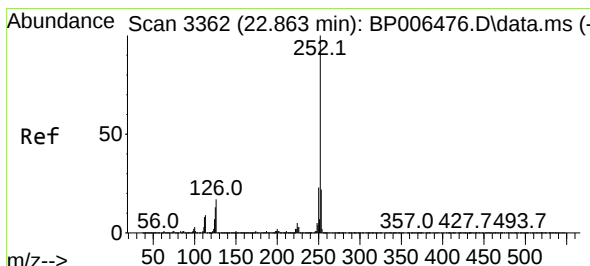
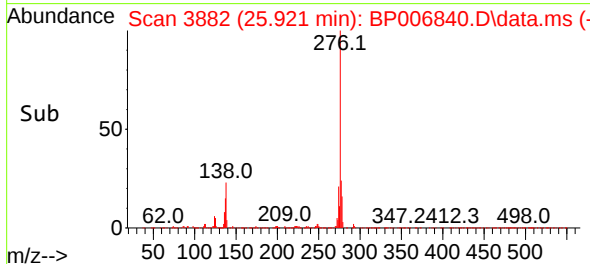
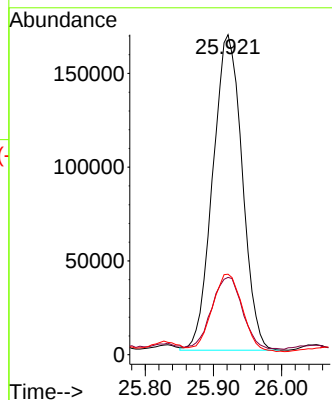
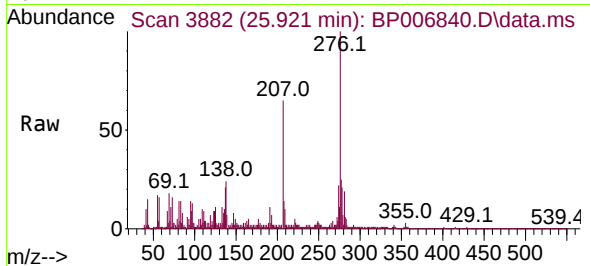




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.209 ng
 RT: 25.921 min Scan# 3882
 Delta R.T. -0.018 min
 Lab File: BP006840.D
 Acq: 23 Aug 2021 20:20

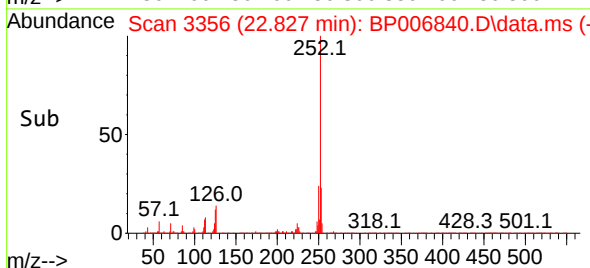
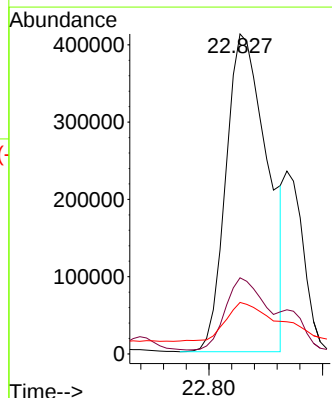
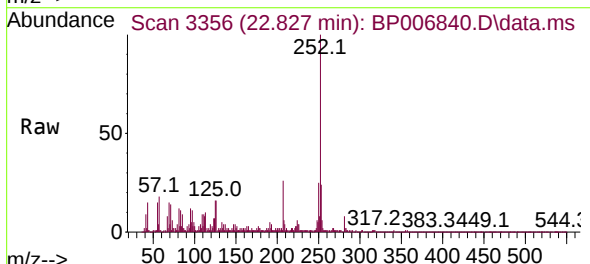
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 BNA_P
 ClientSampleId :
 SWCS-17-0003DL

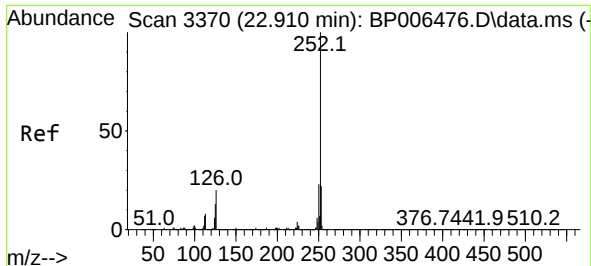
Tgt Ion:276 Resp: 504872
 Ion Ratio Lower Upper
 276 100
 138 24.0 15.3 22.9#
 277 25.4 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 18.928 ng
 RT: 22.827 min Scan# 3356
 Delta R.T. -0.006 min
 Lab File: BP006840.D
 Acq: 23 Aug 2021 20:20

Tgt Ion:252 Resp: 1043456
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.5 26.3
 125 16.1 6.2 9.4#

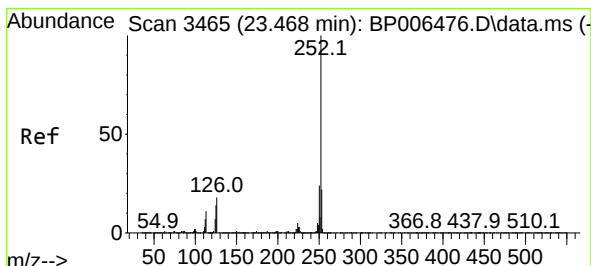
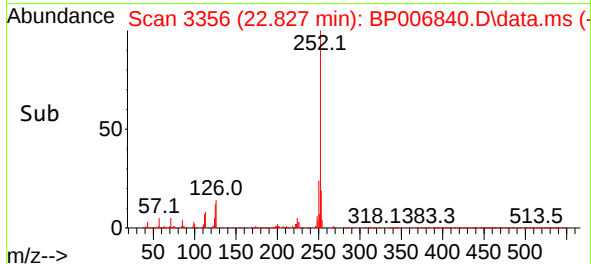
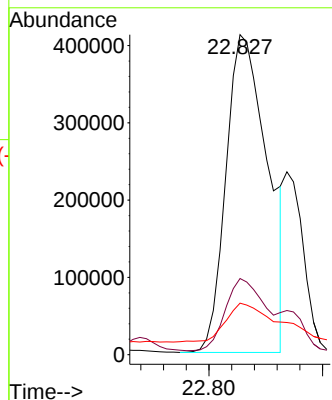
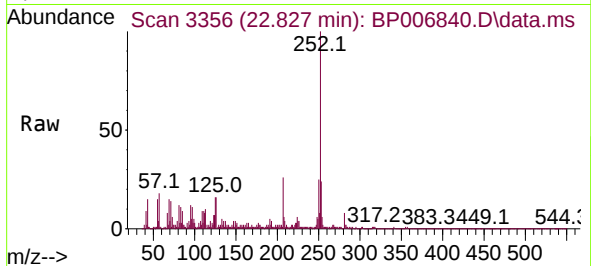




#89
Benzo(k)fluoranthene
Concen: 19.715 ng
RT: 22.827 min Scan# 3356
Delta R.T. -0.053 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

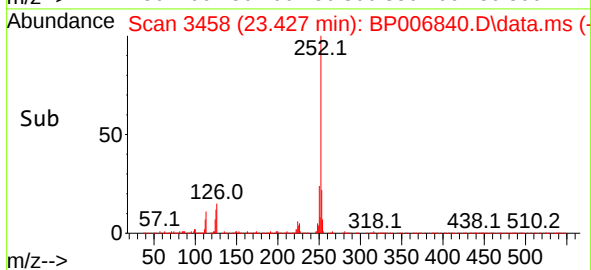
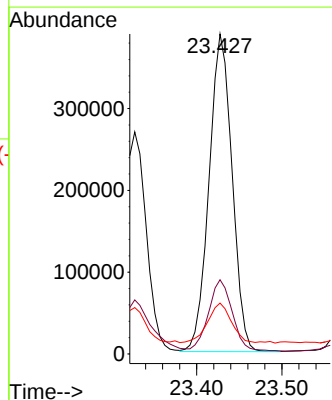
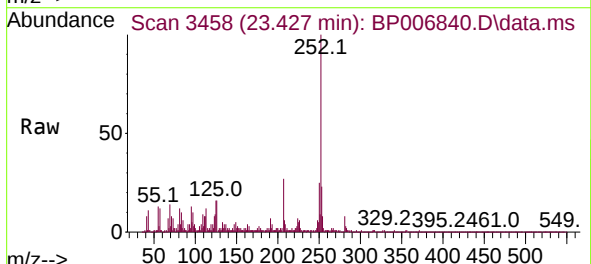
Instrument :
BNA_P
ClientSampleId :
SWCS-17-0003DL

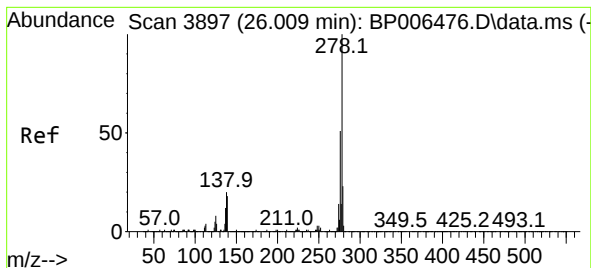
Tgt Ion:252 Resp: 1043456
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 16.1 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 14.746 ng
RT: 23.427 min Scan# 3458
Delta R.T. -0.006 min
Lab File: BP006840.D
Acq: 23 Aug 2021 20:20

Tgt Ion:252 Resp: 729133
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 15.9 6.5 9.7#





#91

Dibenzo(a,h)anthracene

Concen: 2.451 ng

RT: 25.933 min Scan# 3884

Delta R.T. -0.018 min

Lab File: BP006840.D

Acq: 23 Aug 2021 20:20

Instrument :

BNA_P

ClientSampleId :

SWCS-17-0003DL

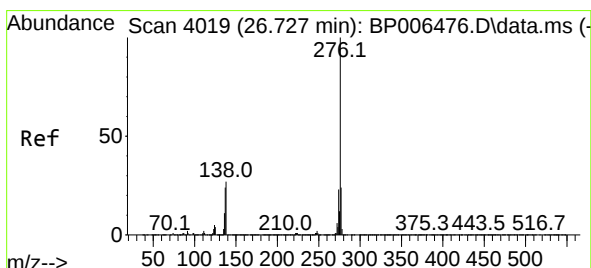
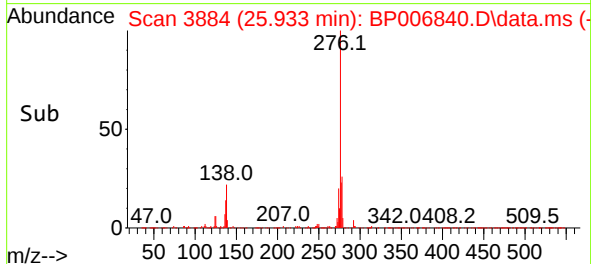
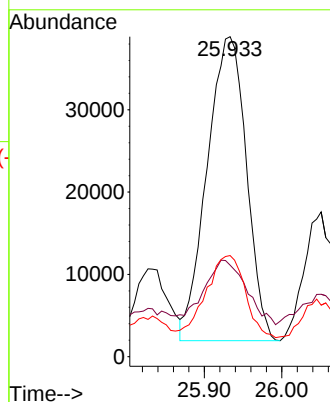
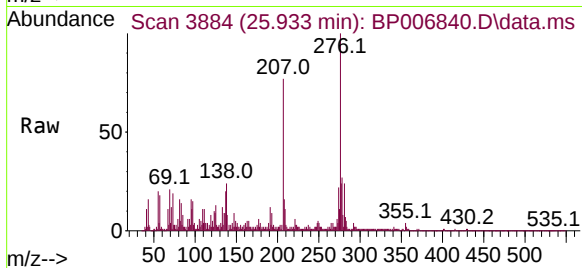
Tgt Ion:278 Resp: 130334

Ion Ratio Lower Upper

278 100

139 28.6 9.3 13.9#

279 31.6 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 9.922 ng

RT: 26.657 min Scan# 4007

Delta R.T. -0.012 min

Lab File: BP006840.D

Acq: 23 Aug 2021 20:20

Tgt Ion:276 Resp: 505597

Ion Ratio Lower Upper

276 100

277 24.7 18.9 28.3

138 24.8 12.6 18.8#

