

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082021\
 Data File : BP006801.D
 Acq On : 20 Aug 2021 15:33
 Operator : CG/JU
 Sample : M3398-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SWCS-05-0510

Quant Time: Aug 20 17:03:37 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 20 11:25:25 2021
 Response via : Initial Calibration

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

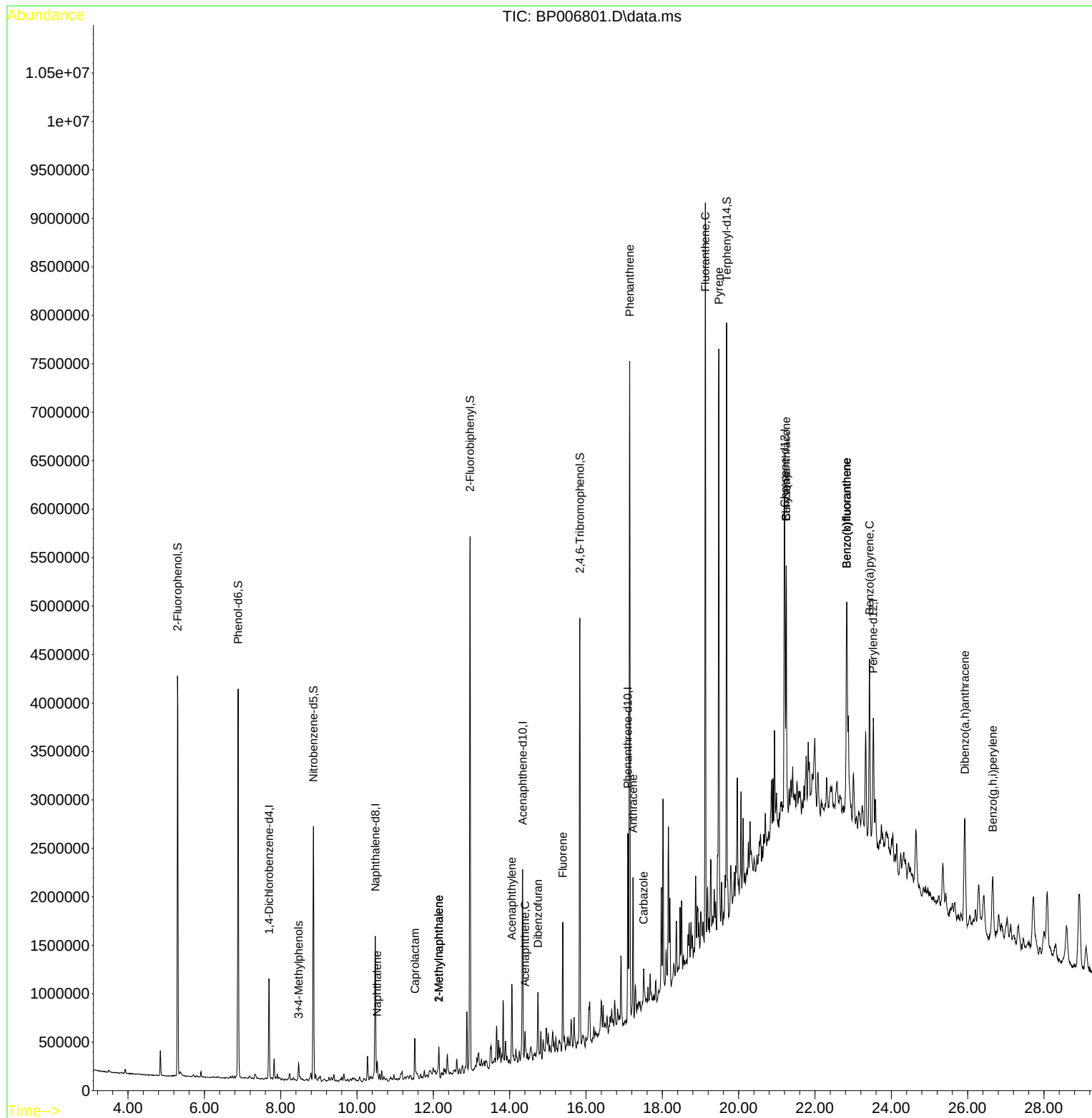
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	267858	20.000	ng	0.00
21) Naphthalene-d8	10.481	136	1140971	20.000	ng	# 0.00
39) Acenaphthene-d10	14.339	164	603742	20.000	ng	0.00
64) Phenanthrene-d10	17.098	188	1044370	20.000	ng	# 0.00
76) Chrysene-d12	21.210	240	745414	20.000	ng	# 0.00
86) Perylene-d12	23.527	264	818983	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	1753290	100.537	ng	0.00
7) Phenol-d6	6.887	99	2229008	89.978	ng	0.00
23) Nitrobenzene-d5	8.857	82	1542621	62.406	ng	0.00
42) 2,4,6-Tribromophenol	15.839	330	646040	102.387	ng	0.00
45) 2-Fluorobiphenyl	12.963	172	2636283	65.329	ng	0.00
79) Terphenyl-d14	19.686	244	2568543	69.046	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.469	107	78547	3.679	ng	91
31) Naphthalene	10.528	128	132532	2.162	ng	99
35) Caprolactam	11.516	113	17406	3.045	ng	# 16
37) 2-Methylnaphthalene	12.145	142	112904	2.718	ng	99
38) 1-Methylnaphthalene	12.145	142	112904	2.860	ng	97
49) Acenaphthylene	14.057	152	497898	8.774	ng	99
52) Acenaphthene	14.404	154	74774	2.165	ng	99
55) Dibenzofuran	14.739	168	265815	4.893	ng	# 90
58) Fluorene	15.392	166	534481	12.310	ng	99
71) Phenanthrene	17.145	178	3806773	64.622	ng	99
72) Anthracene	17.233	178	828173	14.549	ng	99
73) Carbazole	17.510	167	205219	3.535	ng	# 91
75) Fluoranthene	19.127	202	3812854	57.666	ng	95
78) Pyrene	19.480	202	3210553	64.482	ng	99
81) Benzo(a)anthracene	21.245	228	1314438	26.982	ng	92
83) Chrysene	21.245	228	1314438	27.832	ng	# 95
88) Benzo(b)fluoranthene	22.827	252	1634074	30.700	ng	# 88
89) Benzo(k)fluoranthene	22.827	252	1634074	31.975	ng	# 88
90) Benzo(a)pyrene	23.427	252	1111818	23.288	ng	# 93
91) Dibenzo(a,h)anthracene	25.927	278	216337	4.213	ng	# 67
92) Benzo(g,h,i)perylene	26.656	276	761248	15.472	ng	# 89

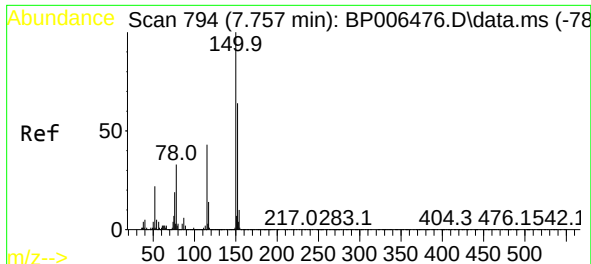
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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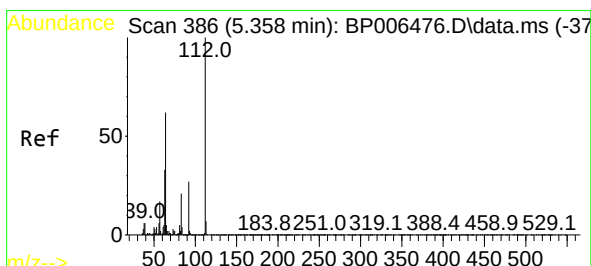
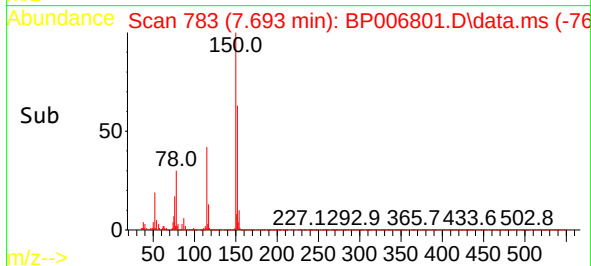
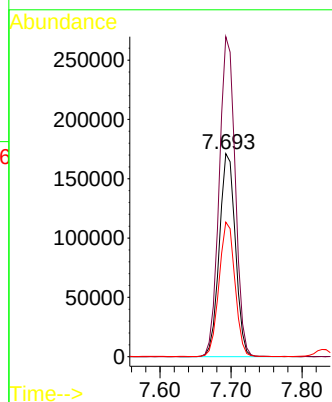
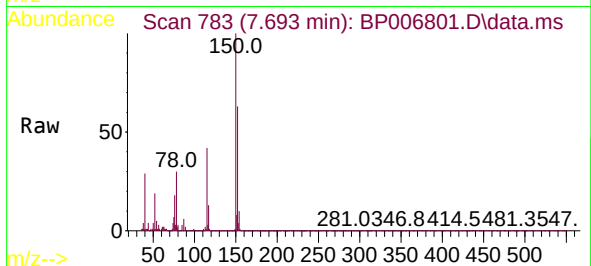




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.693 min Scan# 783
Delta R.T. -0.000 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

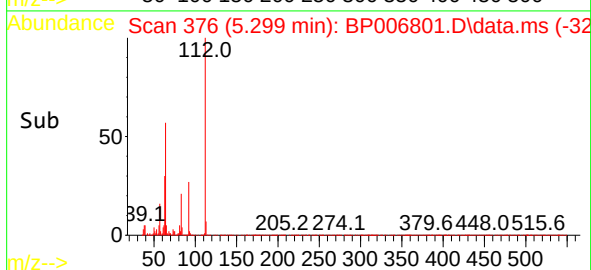
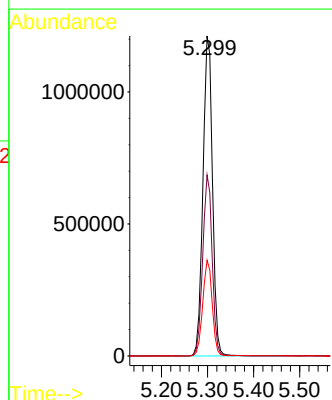
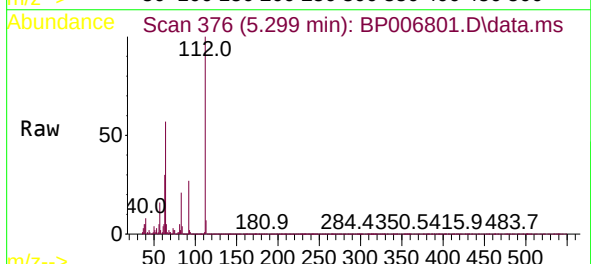
Instrument :
BNA_P
ClientSampleId :
SWCS-05-0510

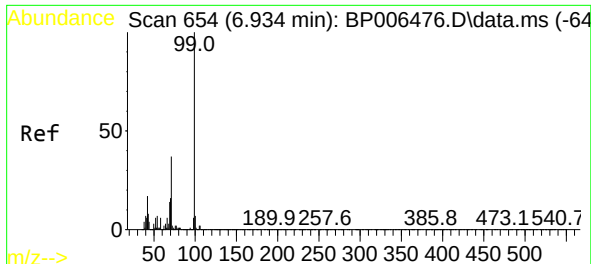
Tgt Ion:152 Resp: 267858
Ion Ratio Lower Upper
152 100
150 157.6 125.6 188.4
115 66.3 48.5 72.7



#5
2-Fluorophenol
Concen: 100.537 ng
RT: 5.299 min Scan# 376
Delta R.T. 0.006 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

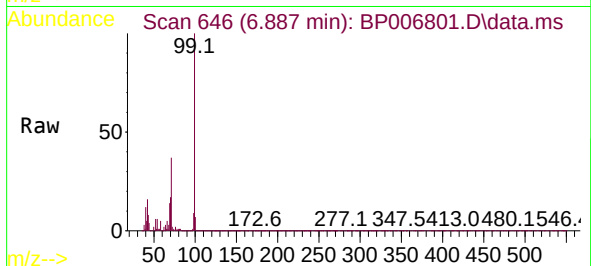
Tgt Ion:112 Resp: 1753290
Ion Ratio Lower Upper
112 100
64 56.5 41.4 62.2
63 29.9 23.8 35.8





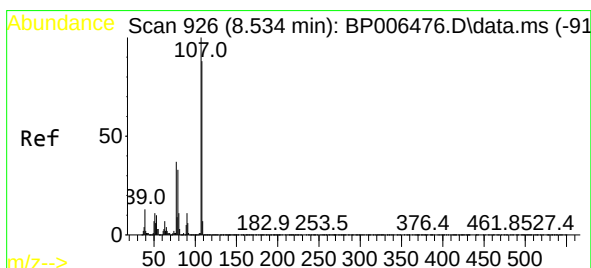
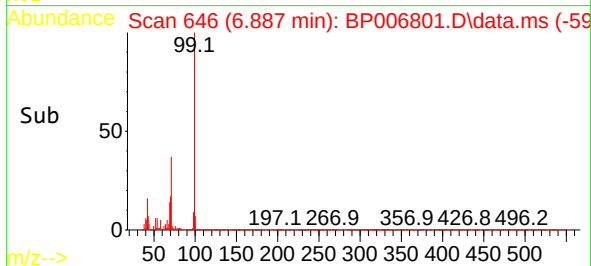
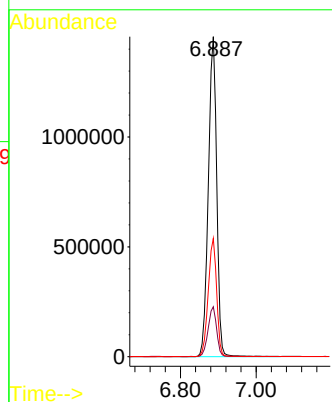
#7
Phenol-d6
Concen: 89.978 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

Instrument :
BNA_P
ClientSampleId :
SWCS-05-0510



Tgt Ion: 99 Resp: 2229008

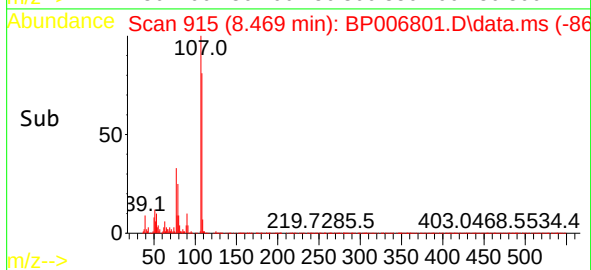
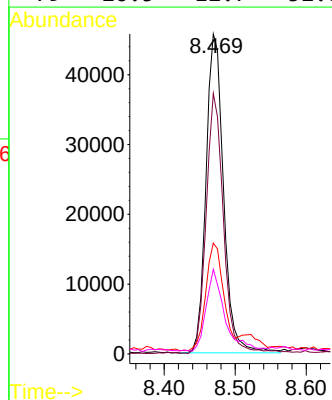
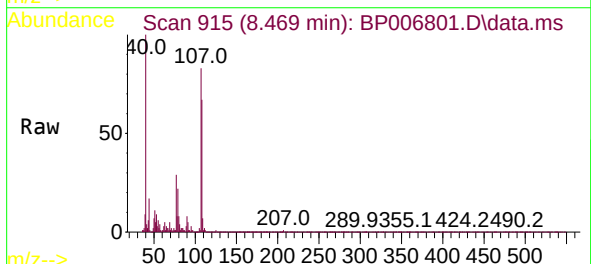
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.4	20.0
71	36.9	30.6	46.0

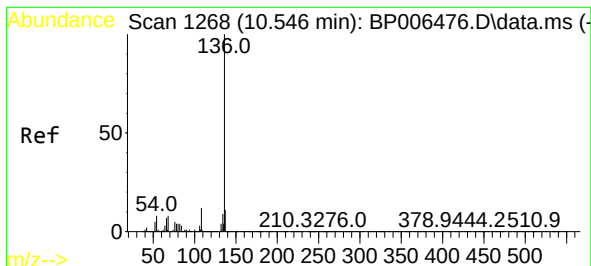


#20
3+4-Methylphenols
Concen: 3.679 ng
RT: 8.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

Tgt Ion: 107 Resp: 78547

Ion	Ratio	Lower	Upper
107	100		
108	81.4	71.0	111.0
77	34.7	16.6	56.6
79	26.5	12.7	52.7

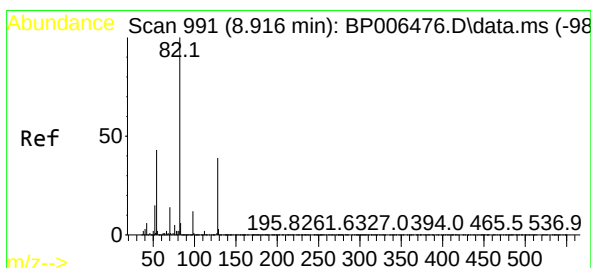
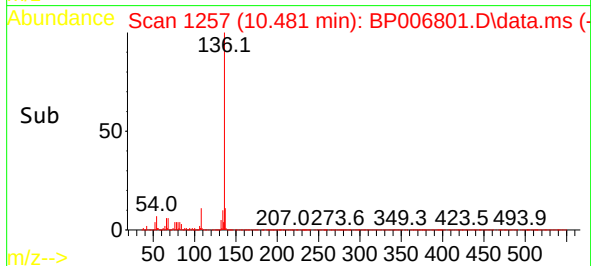
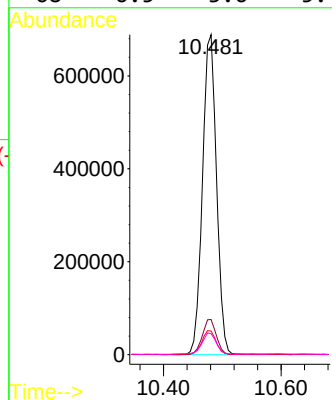
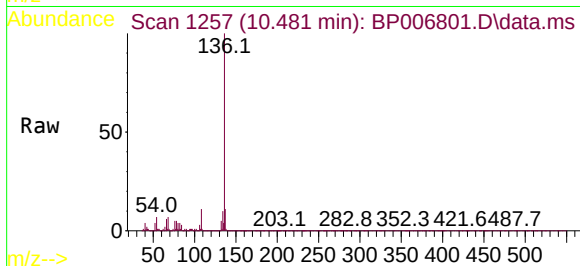




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 1257
Delta R.T. 0.006 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

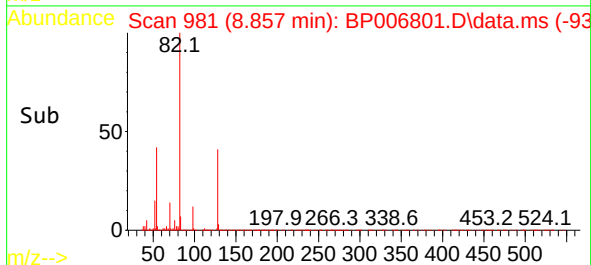
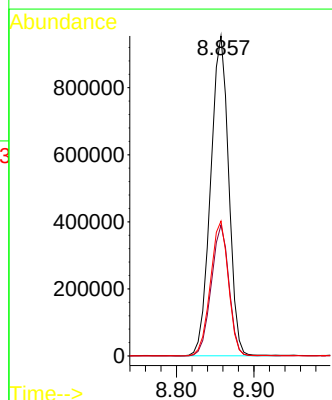
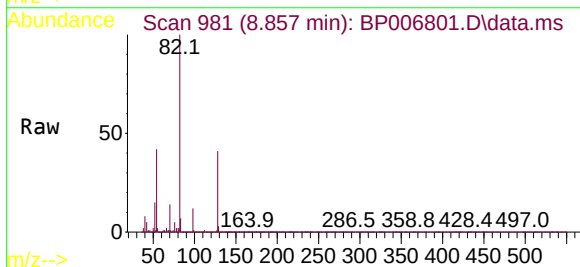
Instrument :
BNA_P
ClientSampleId :
SWCS-05-0510

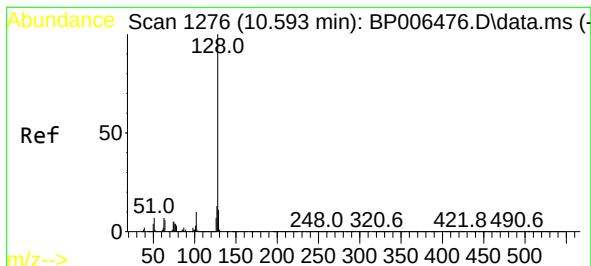
Tgt Ion:136 Resp: 1140971
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.4 4.6 6.8#
68 6.5 3.6 5.4#



#23
Nitrobenzene-d5
Concen: 62.406 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.000 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

Tgt Ion: 82 Resp: 1542621
Ion Ratio Lower Upper
82 100
128 40.9 35.7 53.5
54 42.2 35.0 52.4

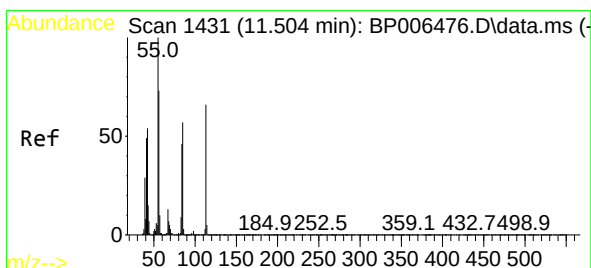
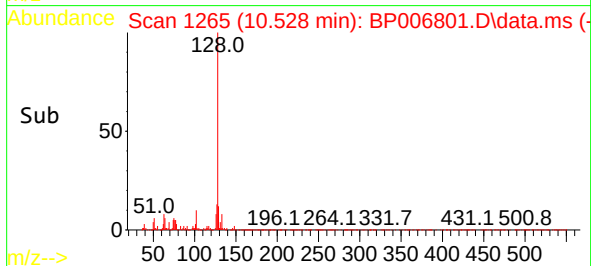
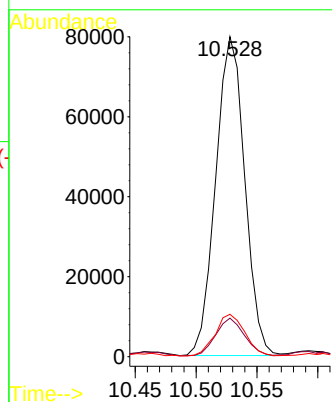
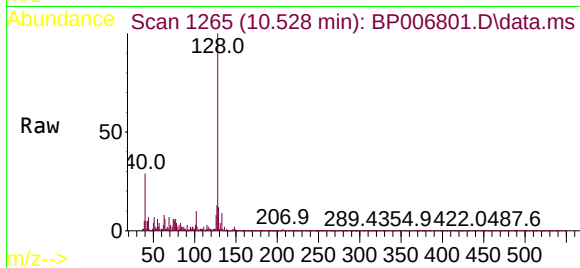




#31
Naphthalene
Concen: 2.162 ng
RT: 10.528 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

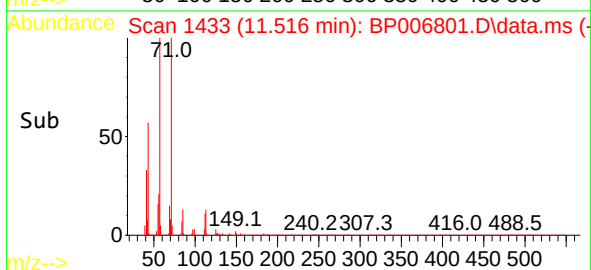
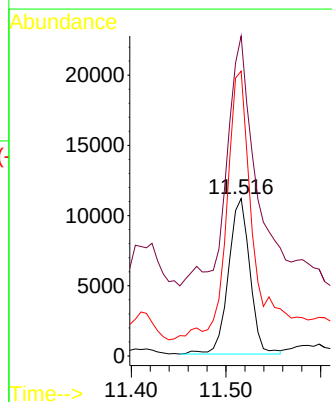
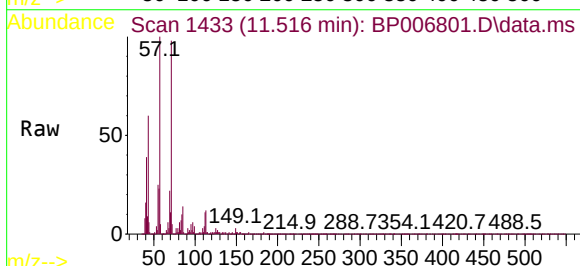
Instrument :
BNA_P
ClientSampleId :
SWCS-05-0510

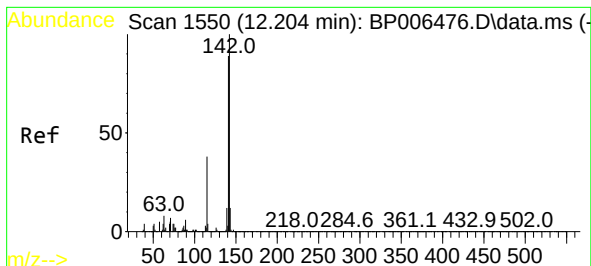
Tgt Ion:128 Resp: 132532
Ion Ratio Lower Upper
128 100
129 12.1 9.0 13.6
127 13.3 10.7 16.1



#35
Caprolactam
Concen: 3.045 ng
RT: 11.516 min Scan# 1433
Delta R.T. 0.053 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

Tgt Ion:113 Resp: 17406
Ion Ratio Lower Upper
113 100
55 203.2 98.9 138.9#
56 180.9 71.7 111.7#



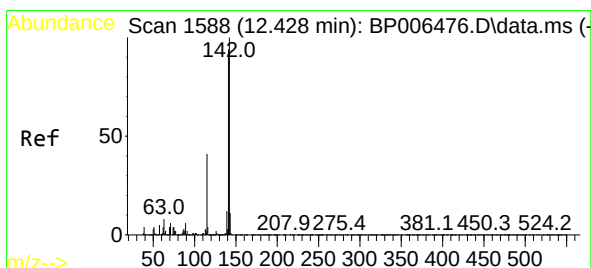
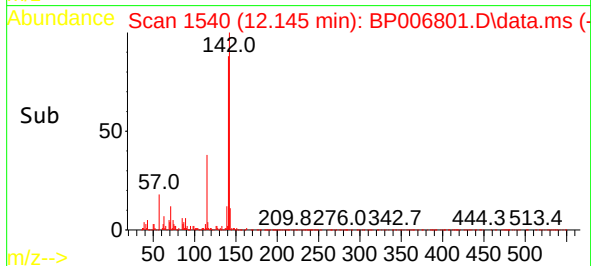
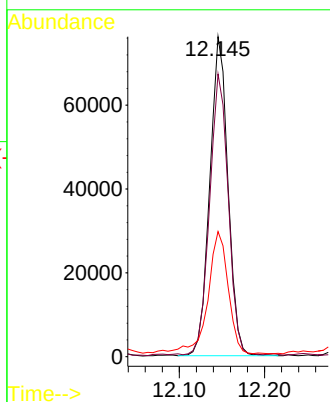
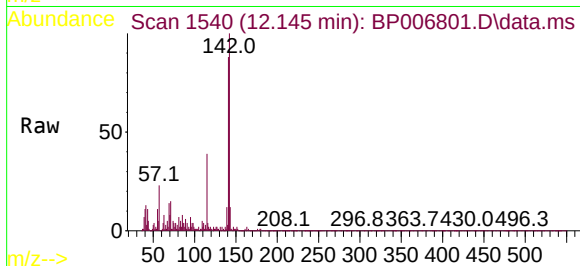


#37
2-Methylnaphthalene
Concen: 2.718 ng
RT: 12.145 min Scan# 1540
Delta R.T. 0.000 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

Instrument :
BNA_P
ClientSampleId :
SWCS-05-0510

Tgt Ion:142 Resp: 112904

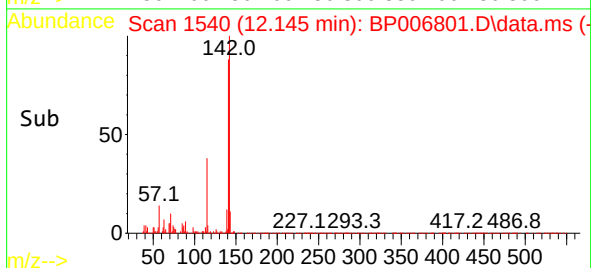
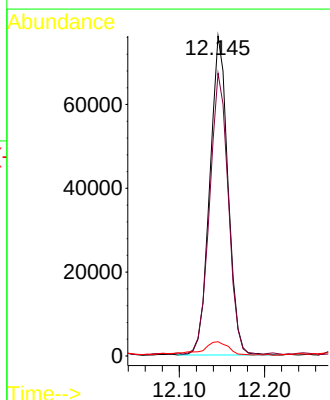
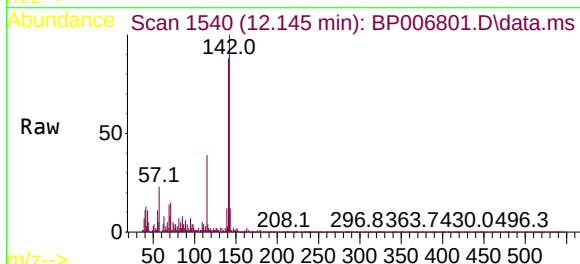
Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.8	107.6
115	39.1	31.6	47.4

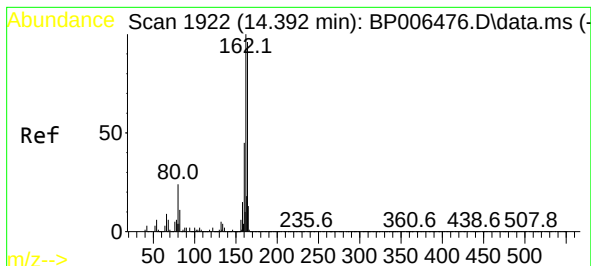


#38
1-Methylnaphthalene
Concen: 2.860 ng
RT: 12.145 min Scan# 1540
Delta R.T. -0.224 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

Tgt Ion:142 Resp: 112904

Ion	Ratio	Lower	Upper
142	100		
141	88.3	73.3	109.9
116	4.5	3.5	5.3

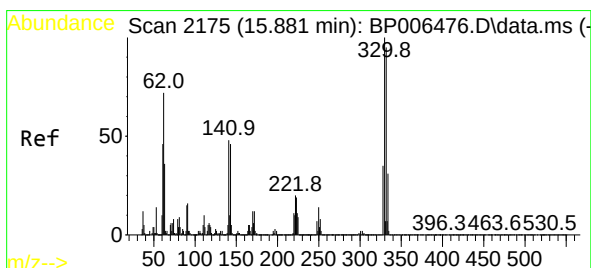
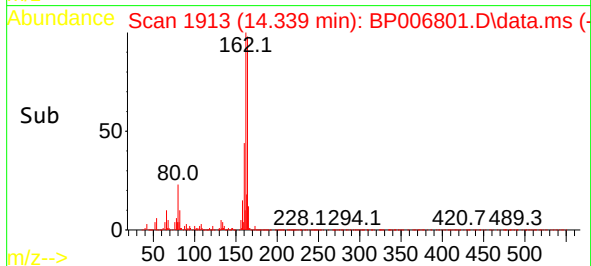
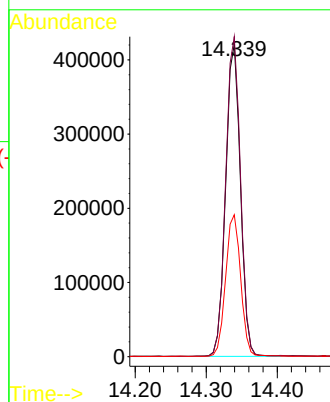
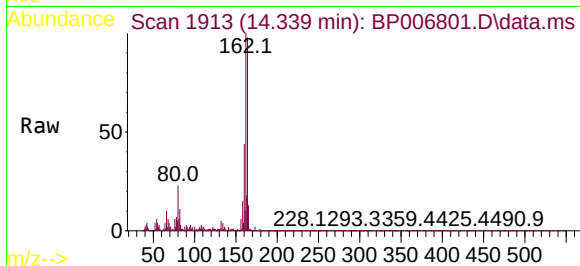




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.339 min Scan# 1913
Delta R.T. 0.000 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

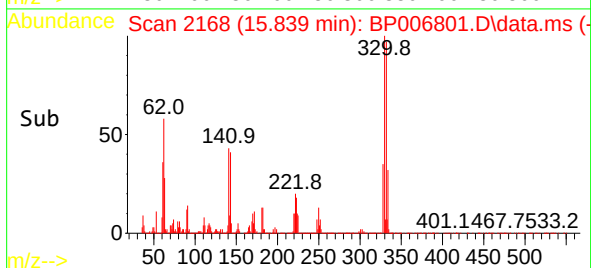
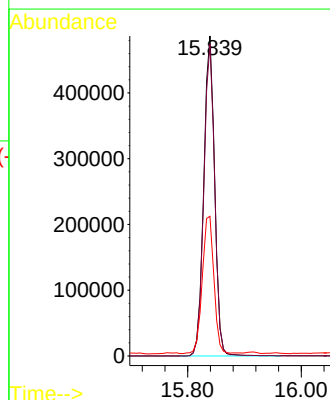
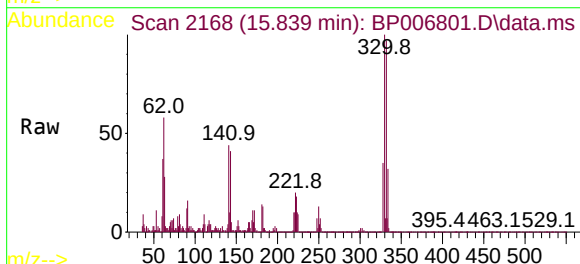
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SWCS-05-0510

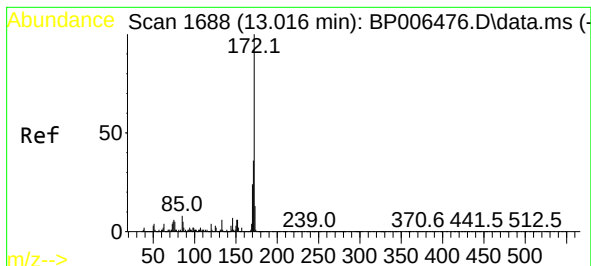
Tgt Ion:164 Resp: 603742
Ion Ratio Lower Upper
164 100
162 102.4 80.2 120.2
160 45.4 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 102.387 ng
RT: 15.839 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

Tgt Ion:330 Resp: 646040
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.8
141 45.9 25.4 38.2#

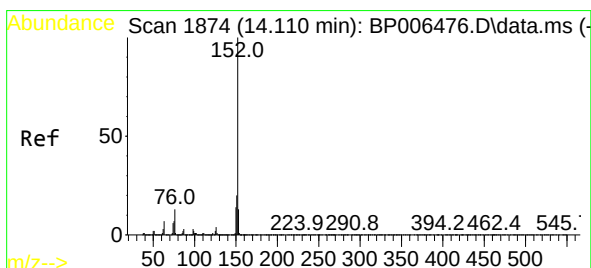
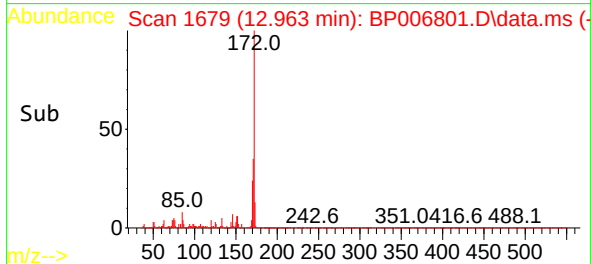
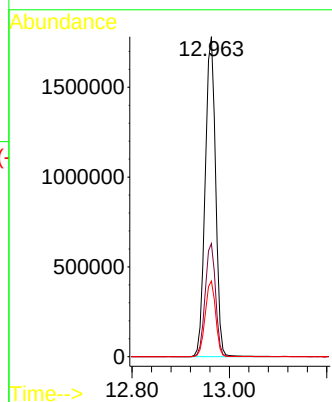
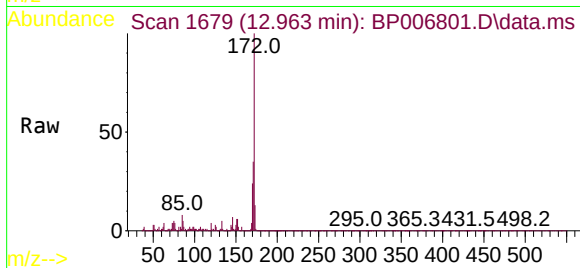




#45
2-Fluorobiphenyl
Concen: 65.329 ng
RT: 12.963 min Scan# 1679
Delta R.T. 0.006 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

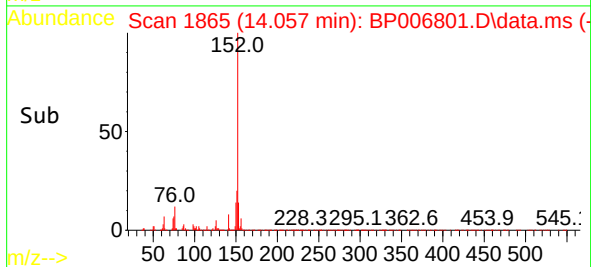
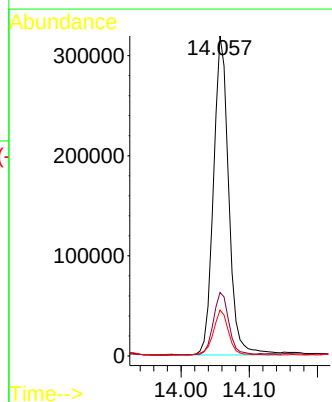
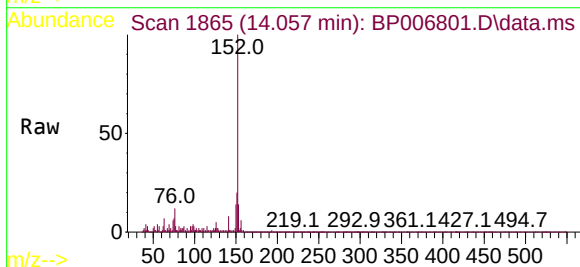
Instrument :
BNA_P
ClientSampleId :
SWCS-05-0510

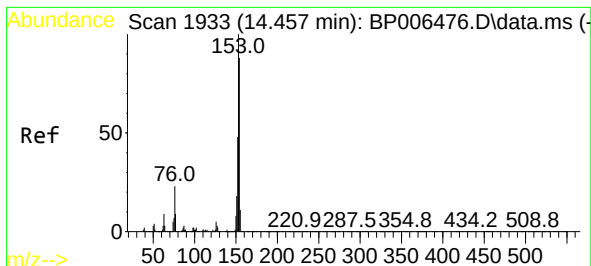
Tgt Ion:172 Resp: 2636283
Ion Ratio Lower Upper
172 100
171 35.4 27.9 41.9
170 23.7 18.6 27.8



#49
Acenaphthylene
Concen: 8.774 ng
RT: 14.057 min Scan# 1865
Delta R.T. 0.000 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

Tgt Ion:152 Resp: 497898
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 14.3 10.6 16.0

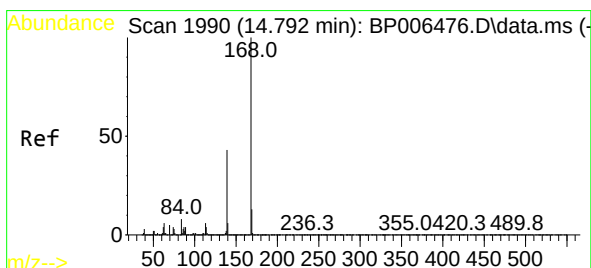
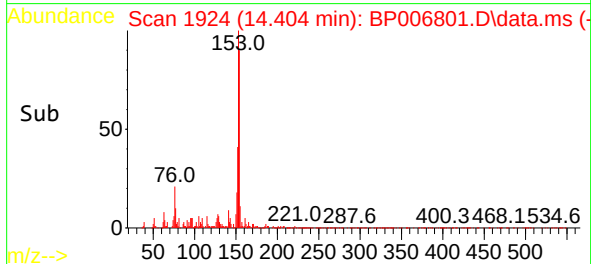
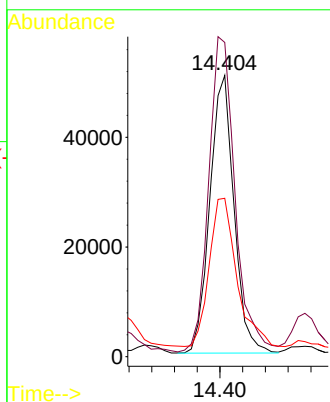
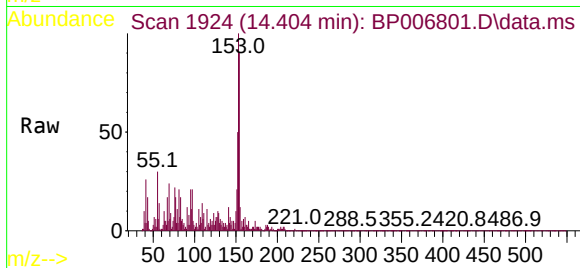




#52
Acenaphthene
Concen: 2.165 ng
RT: 14.404 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

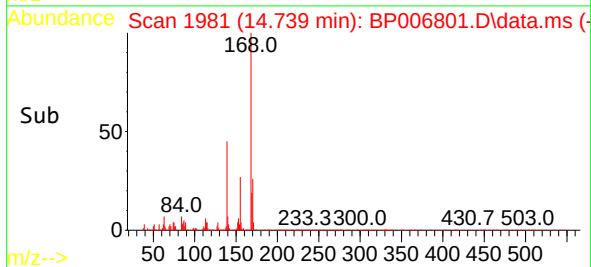
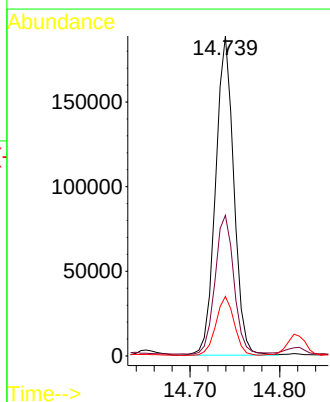
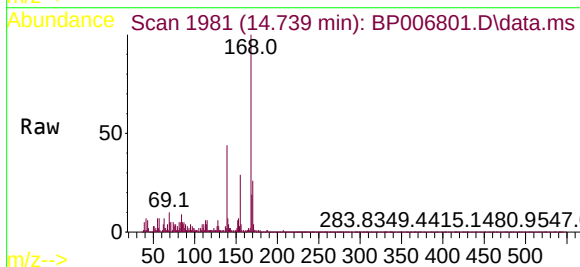
Instrument :
BNA_P
ClientSampleId :
SWCS-05-0510

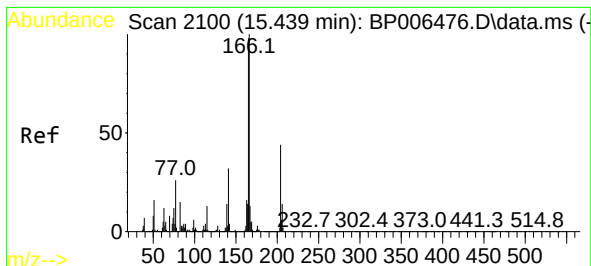
Tgt Ion:154 Resp: 74774
Ion Ratio Lower Upper
154 100
153 111.7 89.4 134.2
152 56.3 43.0 64.4



#55
Dibenzofuran
Concen: 4.893 ng
RT: 14.739 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

Tgt Ion:168 Resp: 265815
Ion Ratio Lower Upper
168 100
139 43.9 31.0 46.6
169 18.6 10.8 16.2#





#58

Fluorene

Concen: 12.310 ng

RT: 15.392 min Scan# 2092

Delta R.T. 0.000 min

Lab File: BP006801.D

Acq: 20 Aug 2021 15:33

Instrument :

BNA_P

ClientSampleId :

SWCS-05-0510

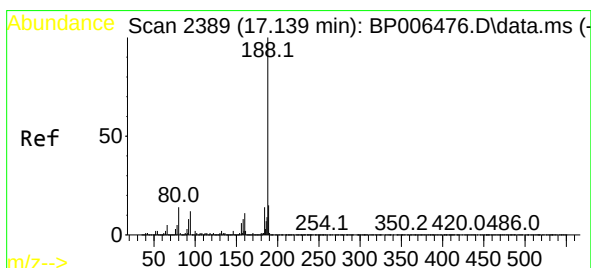
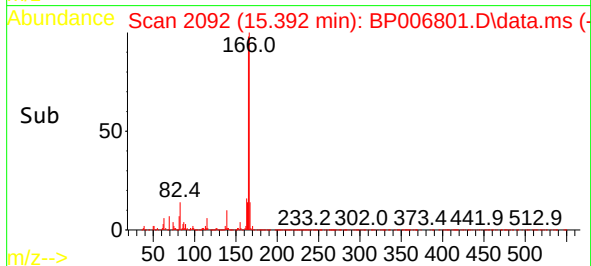
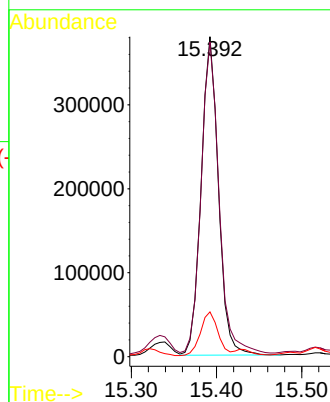
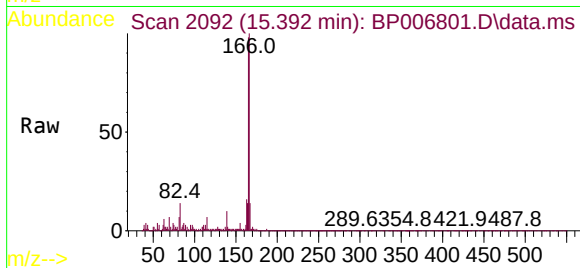
Tgt Ion:166 Resp: 534481

Ion Ratio Lower Upper

166 100

165 98.4 78.0 117.0

167 14.0 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.098 min Scan# 2382

Delta R.T. 0.000 min

Lab File: BP006801.D

Acq: 20 Aug 2021 15:33

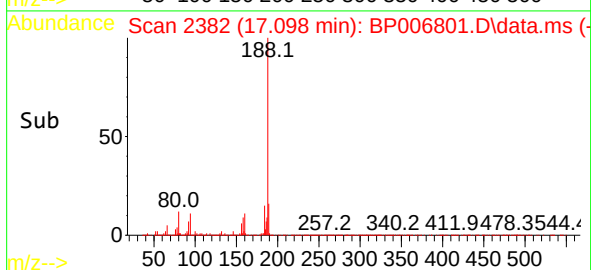
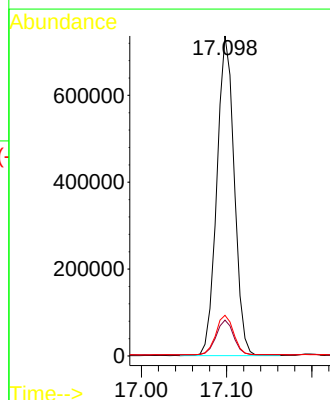
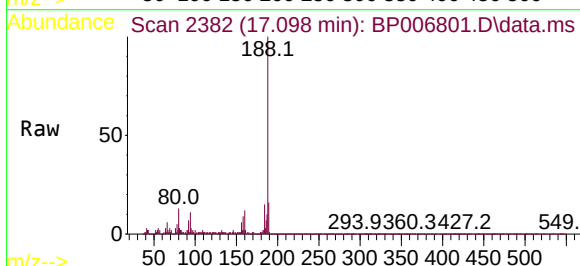
Tgt Ion:188 Resp: 1044370

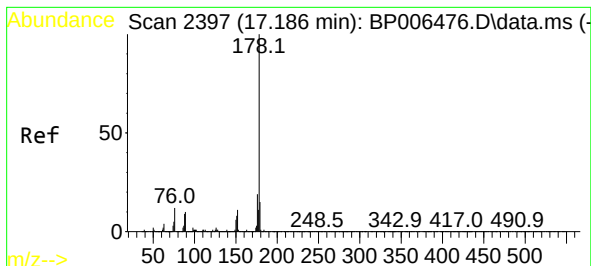
Ion Ratio Lower Upper

188 100

94 11.2 5.6 8.4#

80 12.7 6.3 9.5#

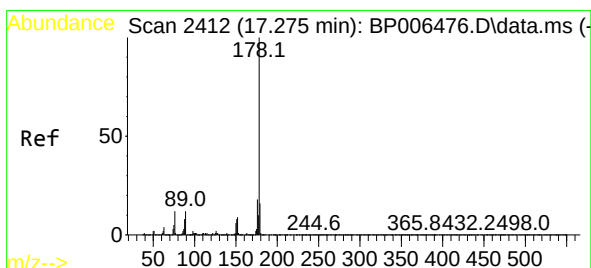
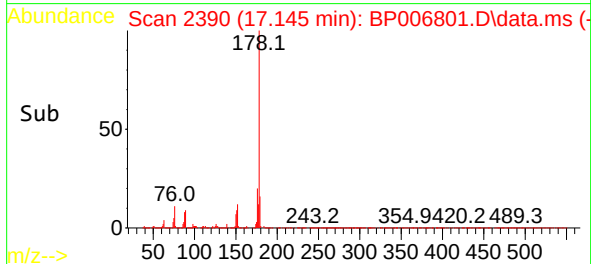
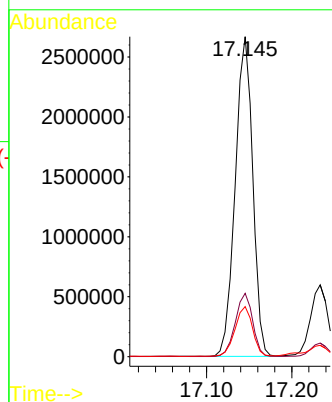
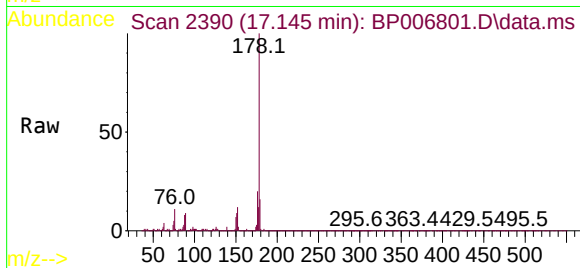




#71
Phenanthrene
Concen: 64.622 ng
RT: 17.145 min Scan# 2390
Delta R.T. 0.006 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

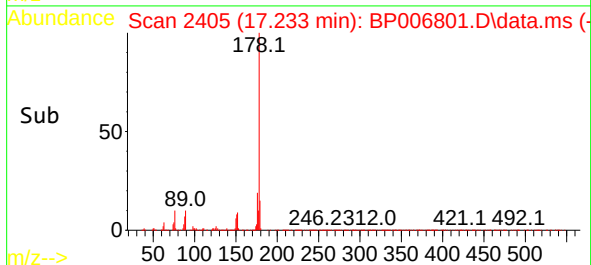
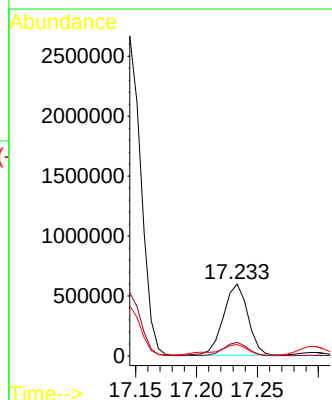
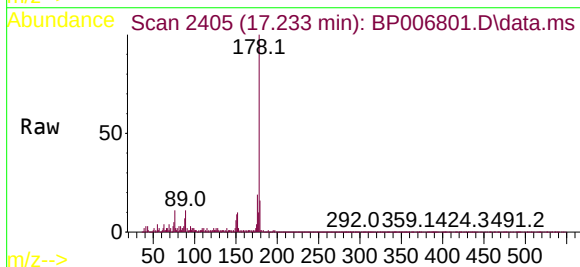
Instrument :
BNA_P
ClientSampleId :
SWCS-05-0510

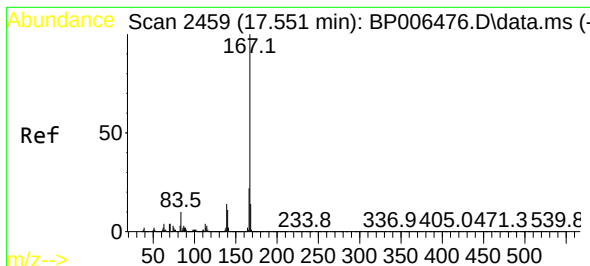
Tgt Ion:178 Resp: 3806773
Ion Ratio Lower Upper
178 100
176 19.8 15.1 22.7
179 15.7 12.4 18.6



#72
Anthracene
Concen: 14.549 ng
RT: 17.233 min Scan# 2405
Delta R.T. 0.000 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

Tgt Ion:178 Resp: 828173
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.9 12.2 18.2

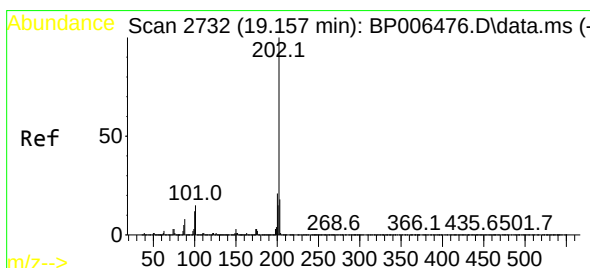
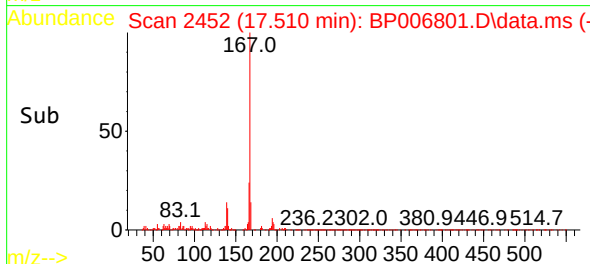
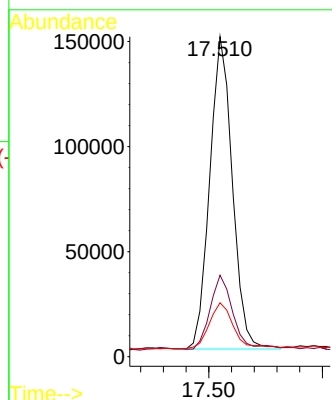
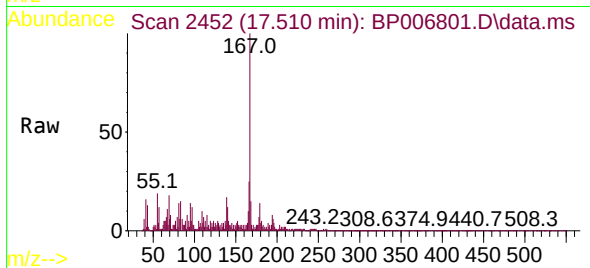




#73
Carbazole
Concen: 3.535 ng
RT: 17.510 min Scan# 2452
Delta R.T. 0.000 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

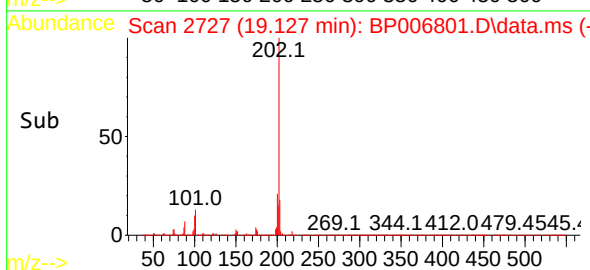
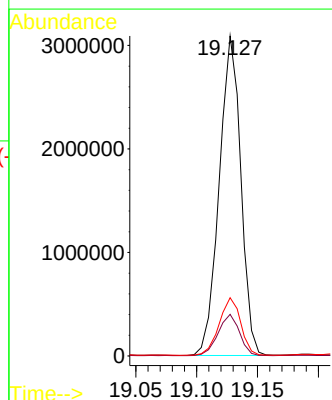
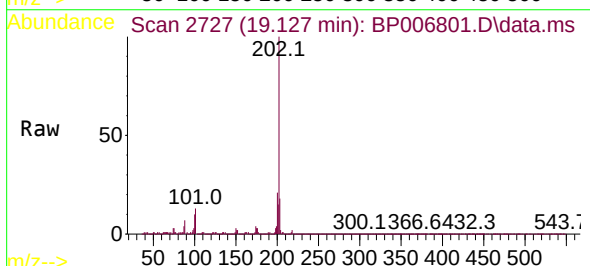
Instrument :
BNA_P
ClientSampleId :
SWCS-05-0510

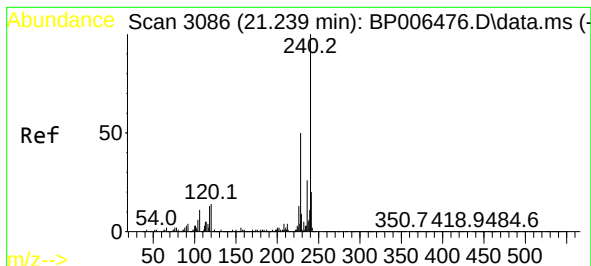
Tgt Ion:167 Resp: 205219
Ion Ratio Lower Upper
167 100
166 25.5 17.1 25.7
139 16.8 10.7 16.1#



#75
Fluoranthene
Concen: 57.666 ng
RT: 19.127 min Scan# 2727
Delta R.T. 0.006 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

Tgt Ion:202 Resp: 3812854
Ion Ratio Lower Upper
202 100
101 13.0 0.0 27.6
203 18.2 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: BP006801.D

Acq: 20 Aug 2021 15:33

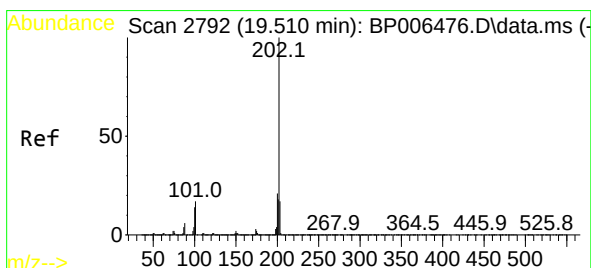
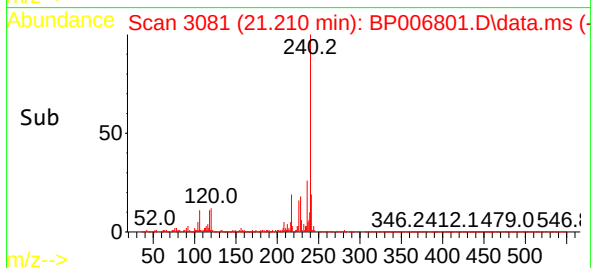
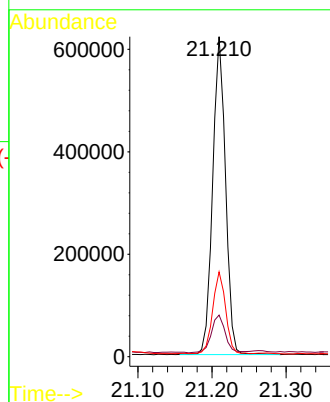
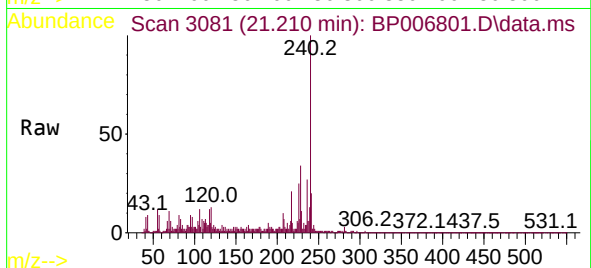
Instrument :

BNA_P

ClientSampleId :

SWCS-05-0510

Tgt Ion:240 Resp: 745414
 Ion Ratio Lower Upper
 240 100
 120 13.0 6.5 9.7#
 236 26.5 20.6 31.0



#78

Pyrene

Concen: 64.482 ng

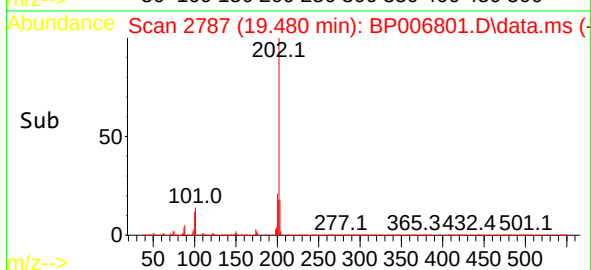
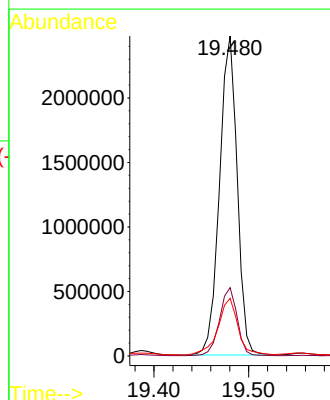
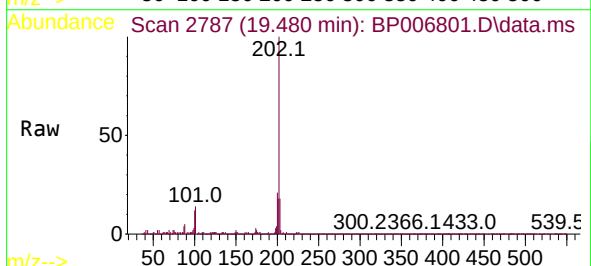
RT: 19.480 min Scan# 2787

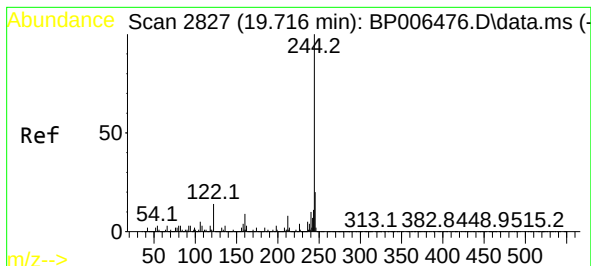
Delta R.T. 0.006 min

Lab File: BP006801.D

Acq: 20 Aug 2021 15:33

Tgt Ion:202 Resp: 3210553
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.3 24.5
 203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 69.046 ng

RT: 19.686 min Scan# 2822

Delta R.T. 0.006 min

Lab File: BP006801.D

Acq: 20 Aug 2021 15:33

Instrument :

BNA_P

ClientSampleId :

SWCS-05-0510

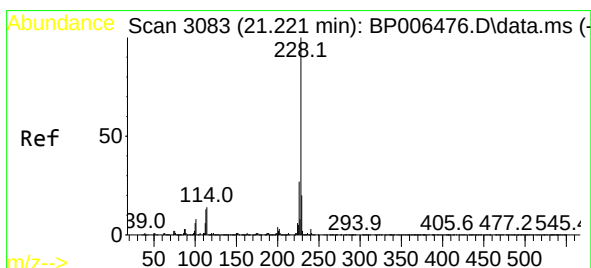
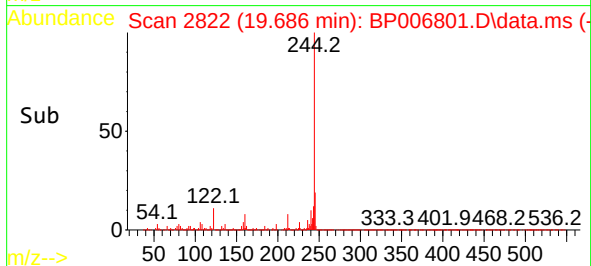
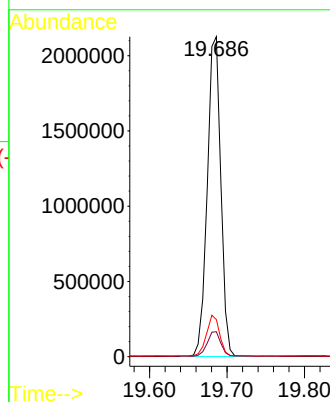
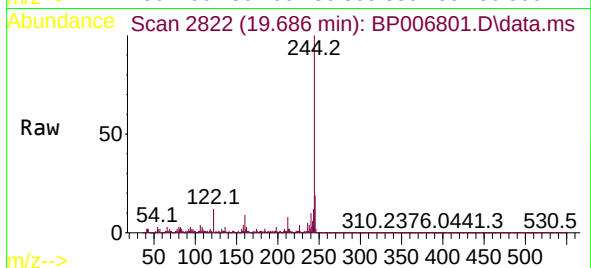
Tgt Ion:244 Resp: 2568543

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

122 11.6 7.1 10.7#



#81

Benzo(a)anthracene

Concen: 26.982 ng

RT: 21.245 min Scan# 3087

Delta R.T. 0.053 min

Lab File: BP006801.D

Acq: 20 Aug 2021 15:33

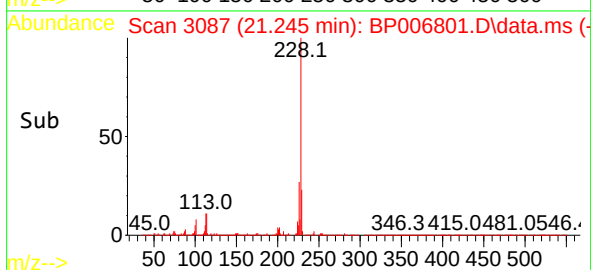
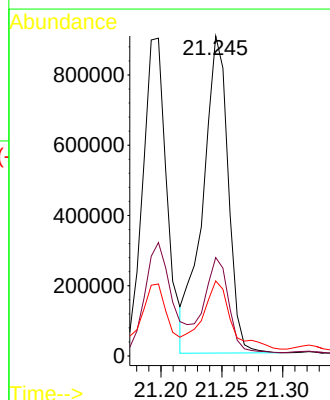
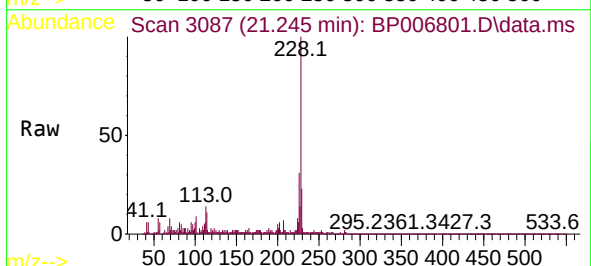
Tgt Ion:228 Resp: 1314438

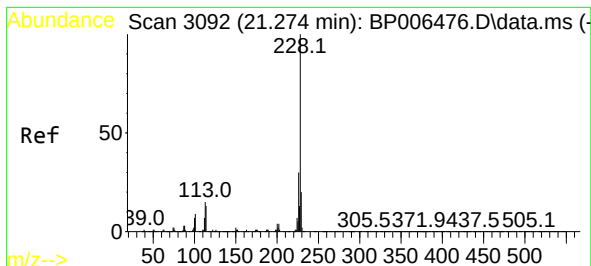
Ion Ratio Lower Upper

228 100

226 30.8 21.6 32.4

229 23.5 15.8 23.6





#83

Chrysene

Concen: 27.832 ng

RT: 21.245 min Scan# 3087

Delta R.T. 0.000 min

Lab File: BP006801.D

Acq: 20 Aug 2021 15:33

Instrument :

BNA_P

ClientSampleId :

SWCS-05-0510

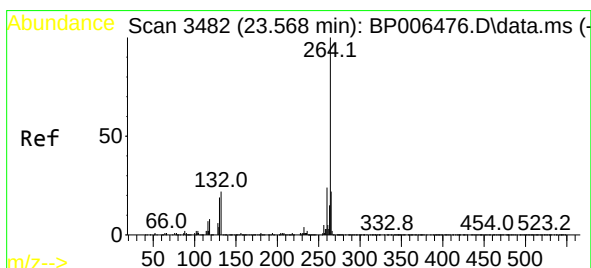
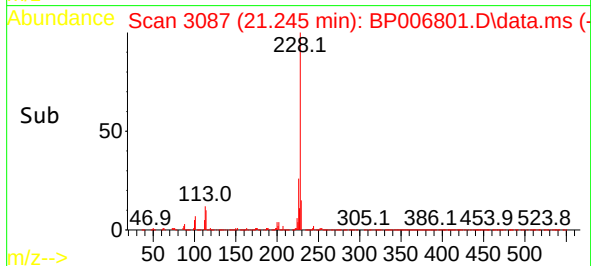
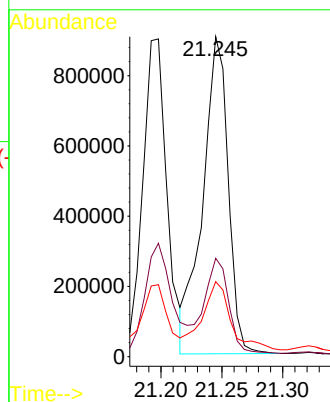
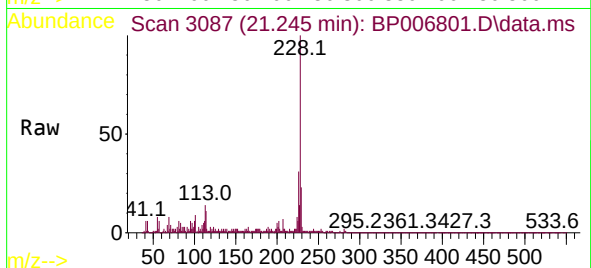
Tgt Ion:228 Resp: 1314438

Ion Ratio Lower Upper

228 100

226 30.8 23.8 35.6

229 23.5 15.4 23.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.527 min Scan# 3475

Delta R.T. 0.012 min

Lab File: BP006801.D

Acq: 20 Aug 2021 15:33

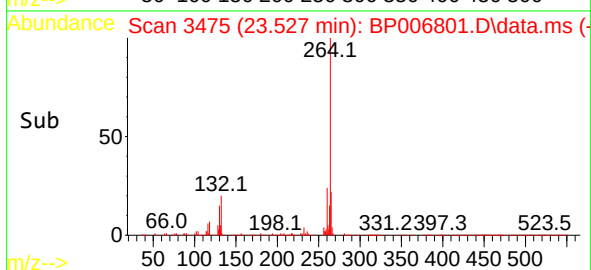
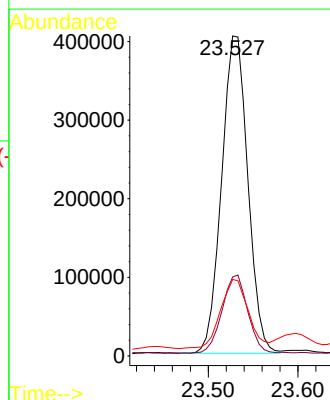
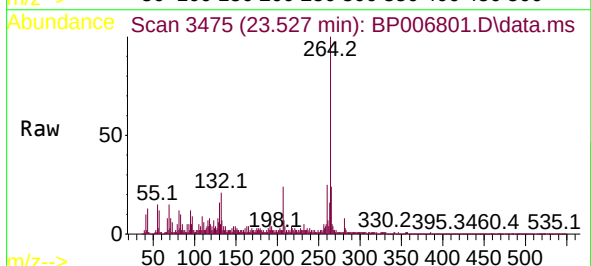
Tgt Ion:264 Resp: 818983

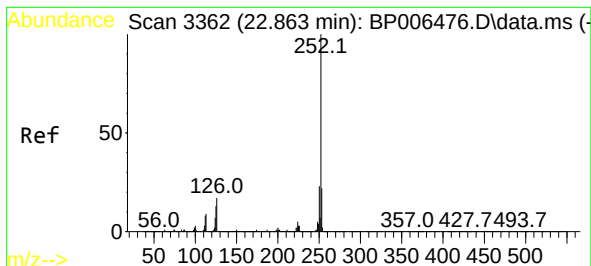
Ion Ratio Lower Upper

264 100

260 24.7 18.6 28.0

265 23.9 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 30.700 ng

RT: 22.827 min Scan# 3356

Delta R.T. 0.012 min

Lab File: BP006801.D

Acq: 20 Aug 2021 15:33

Instrument :

BNA_P

ClientSampleId :

SWCS-05-0510

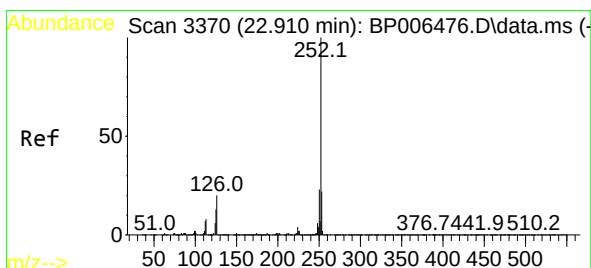
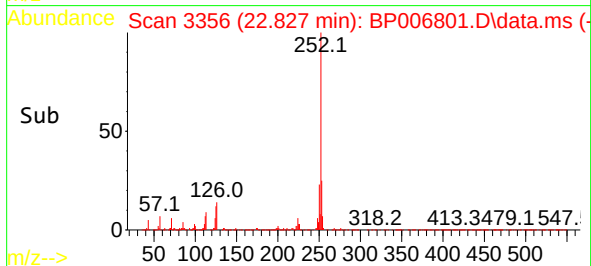
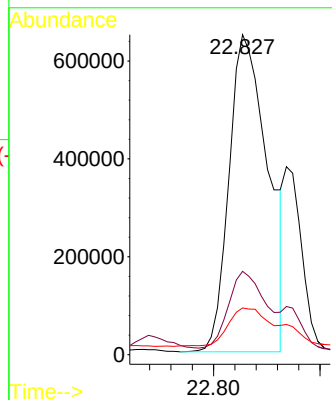
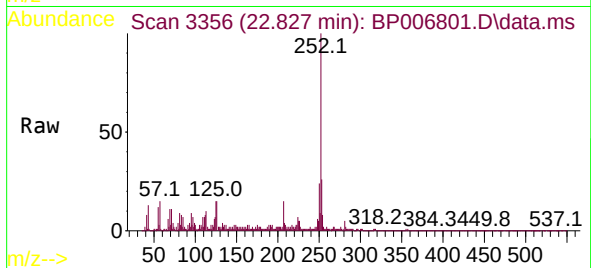
Tgt Ion:252 Resp: 1634074

Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

125 14.6 6.2 9.4#



#89

Benzo(k)fluoranthene

Concen: 31.975 ng

RT: 22.827 min Scan# 3356

Delta R.T. -0.035 min

Lab File: BP006801.D

Acq: 20 Aug 2021 15:33

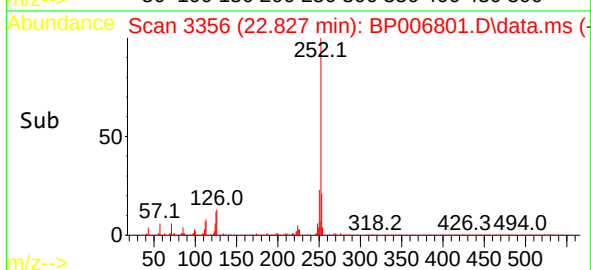
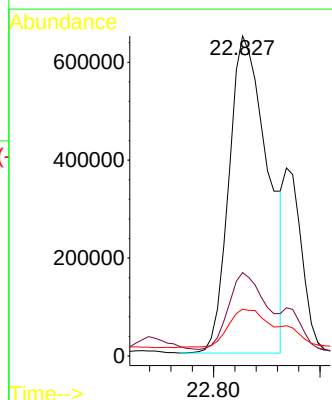
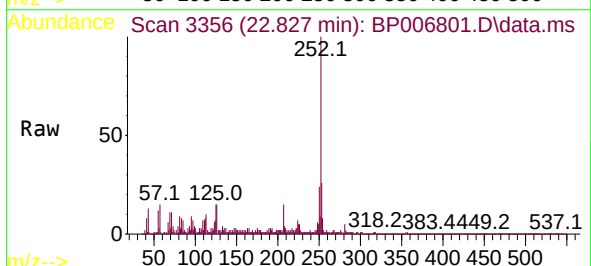
Tgt Ion:252 Resp: 1634074

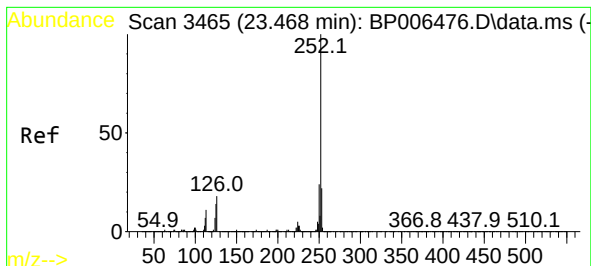
Ion Ratio Lower Upper

252 100

253 26.1 17.6 26.4

125 14.6 6.0 9.0#

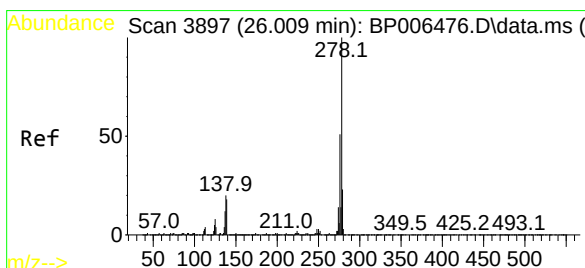
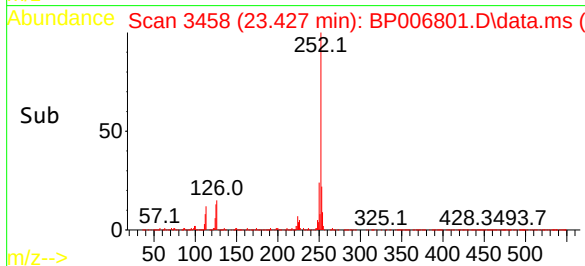
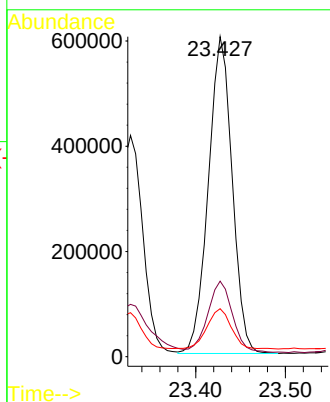
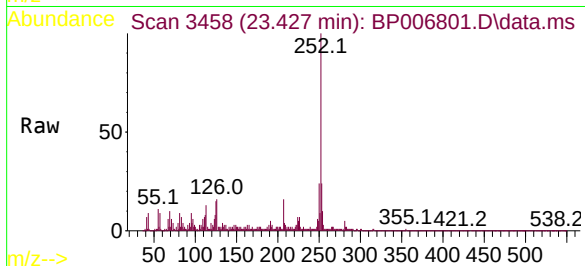




#90
Benzo(a)pyrene
Concen: 23.288 ng
RT: 23.427 min Scan# 3458
Delta R.T. 0.012 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

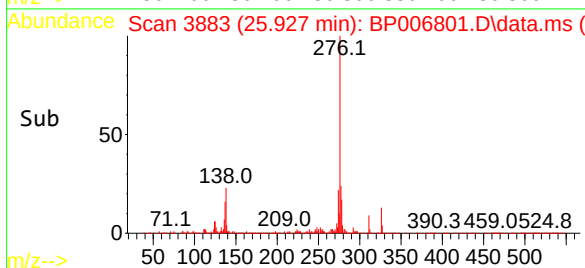
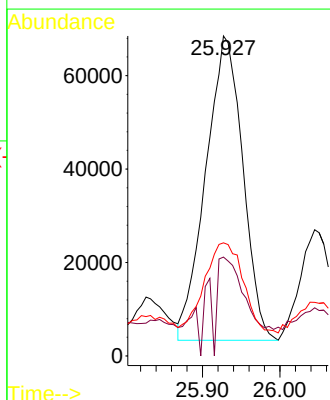
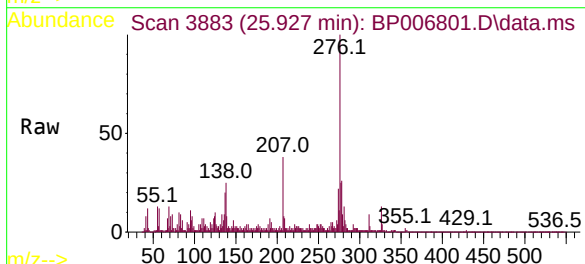
Instrument :
BNA_P
ClientSampleId :
SWCS-05-0510

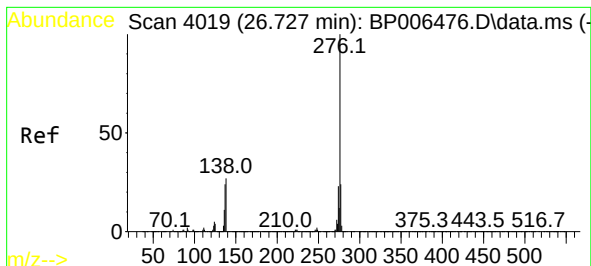
Tgt Ion:252 Resp: 1111818
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 15.0 6.5 9.7#



#91
Dibenzo(a,h)anthracene
Concen: 4.213 ng
RT: 25.927 min Scan# 3883
Delta R.T. 0.000 min
Lab File: BP006801.D
Acq: 20 Aug 2021 15:33

Tgt Ion:278 Resp: 216337
Ion Ratio Lower Upper
278 100
139 30.9 9.3 13.9#
279 35.4 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 15.472 ng
 RT: 26.656 min Scan# 4007
 Delta R.T. 0.018 min
 Lab File: BP006801.D
 Acq: 20 Aug 2021 15:33

Instrument :
 BNA_P
 ClientSampleId :
 SWCS-05-0510

Tgt Ion: 276 Resp: 761248

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.9	28.3
138	25.1	12.6	18.8

