

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062421\
 Data File : BP006061.D
 Acq On : 24 Jun 2021 19:45
 Operator : CG/JU
 Sample : M2795-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B1-0-2

Quant Time: Jun 25 01:11:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 22 17:52:38 2021
 Response via : Initial Calibration

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

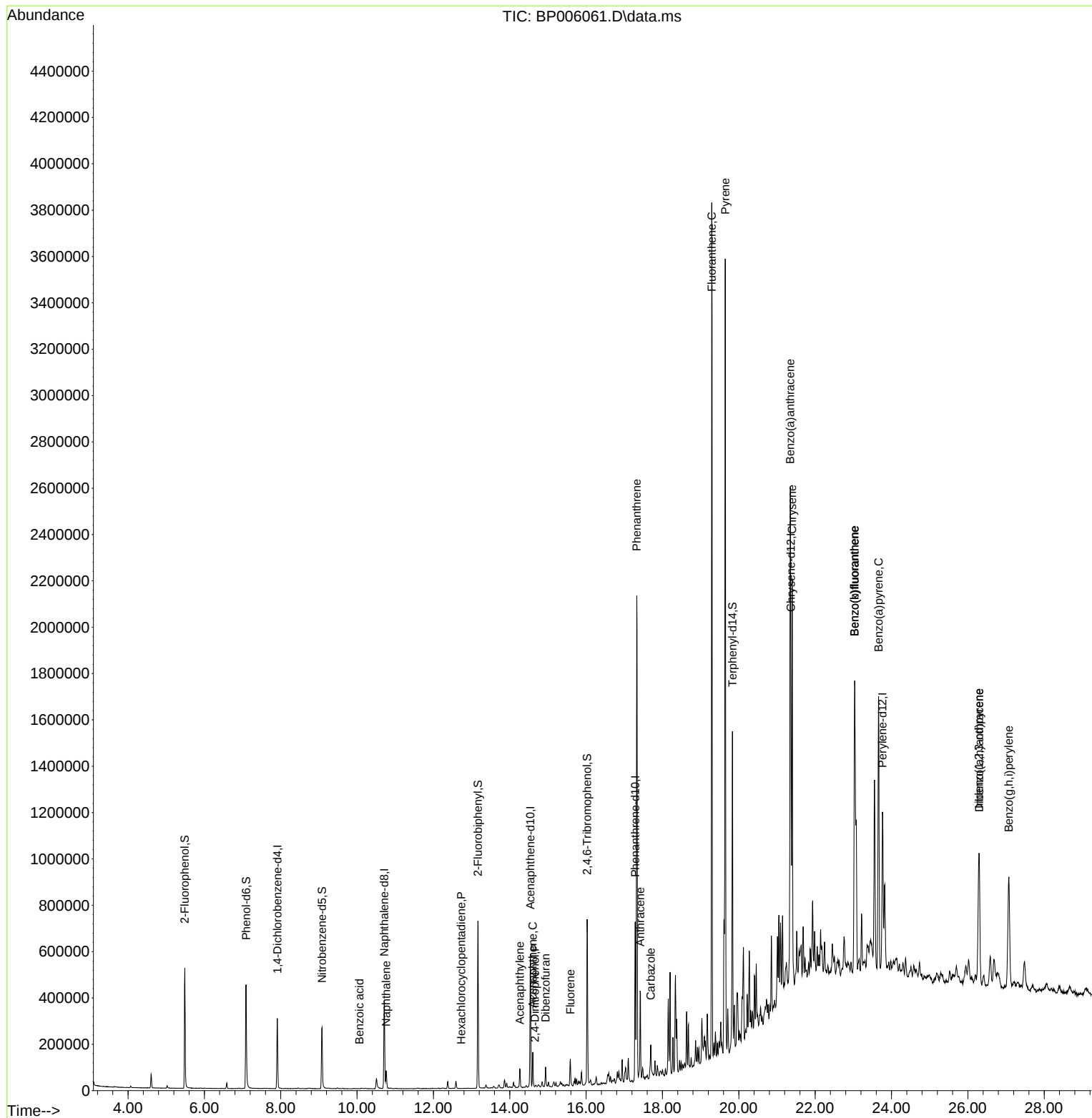
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	86024	20.00	ng	-0.01
21) Naphthalene-d8	10.710	136	325248	20.00	ng	-0.01
39) Acenaphthene-d10	14.540	164	200409	20.00	ng	-0.01
64) Phenanthrene-d10	17.287	188	406201	20.00	ng	0.00
76) Chrysene-d12	21.363	240	455793	20.00	ng	0.00
86) Perylene-d12	23.763	264	515424	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	241826	45.11	ng	0.00
7) Phenol-d6	7.093	99	296870	42.72	ng	0.00
23) Nitrobenzene-d5	9.081	82	176878	26.66	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	146064	42.47	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	389860	25.54	ng	-0.01
79) Terphenyl-d14	19.833	244	592350	24.33	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.763	128	60453	3.21	ng	98
32) Benzoic acid	10.063	122	57	6.33	ng	# 43
41) Hexachlorocyclopentadiene	12.728	237	17	5.51	ng	86
49) Acenaphthylene	14.263	152	57808	2.86	ng	98
52) Acenaphthene	14.604	154	50334	4.09	ng	99
54) 2,4-Dinitrophenol	14.657	184	32	4.86	ng	# 1
55) Dibenzofuran	14.940	168	44033	2.18	ng	# 95
58) Fluorene	15.587	166	49847	3.16	ng	# 97
71) Phenanthrene	17.328	178	1265546	51.88	ng	99
72) Anthracene	17.416	178	246501	10.27	ng	98
73) Carbazole	17.692	167	86800	3.77	ng	99
75) Fluoranthene	19.292	202	2109421	71.20	ng	99
78) Pyrene	19.645	202	2062222	64.81	ng	99
81) Benzo(a)anthracene	21.345	228	1029144	31.28	ng	99
83) Chrysene	21.398	228	940510	29.51	ng	97
87) Indeno(1,2,3-cd)pyrene	26.292	276	651549	14.78	ng	97
88) Benzo(b)fluoranthene	23.033	252	1211846	34.33	ng	97
89) Benzo(k)fluoranthene	23.033	252	1211846	35.40	ng	97
90) Benzo(a)pyrene	23.663	252	973605	29.33	ng	98
91) Dibenzo(a,h)anthracene	26.298	278	165417	4.36	ng	# 84
92) Benzo(g,h,i)perylene	27.074	276	654345	17.46	ng	97

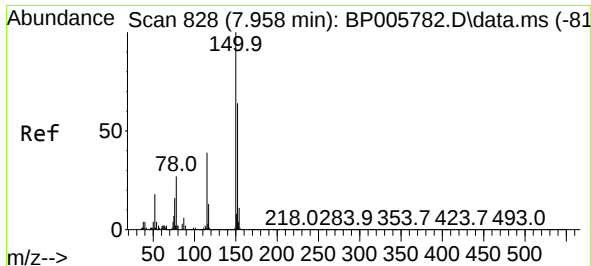
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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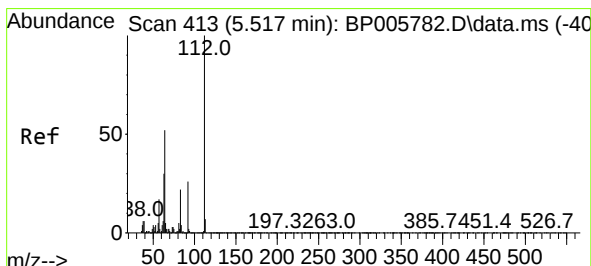
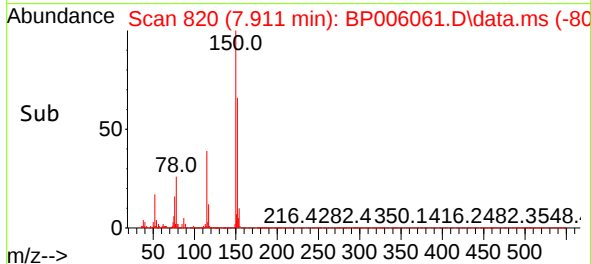
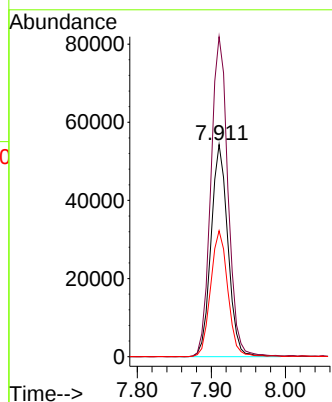
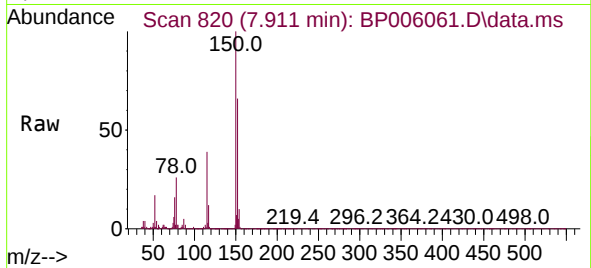




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.911 min Scan# 820
Delta R.T. -0.011 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

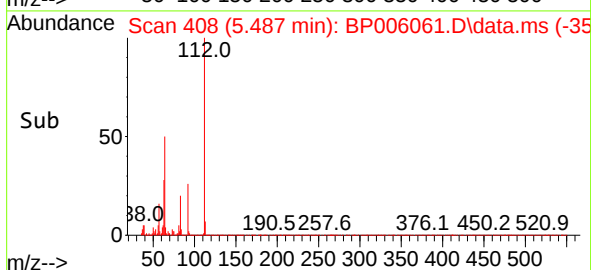
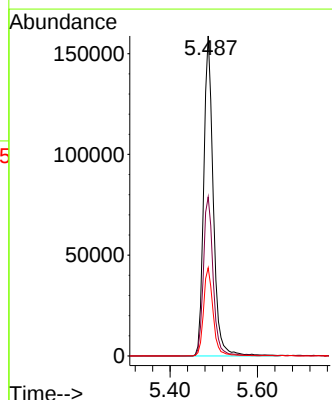
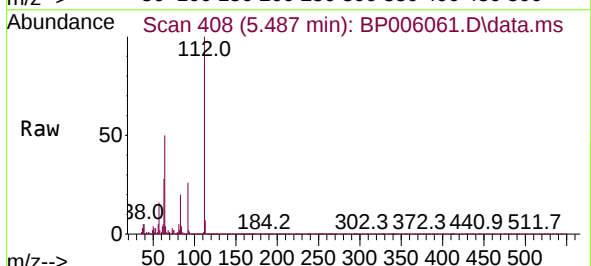
Instrument :
BNA_P
ClientSampleId :
B1-0-2

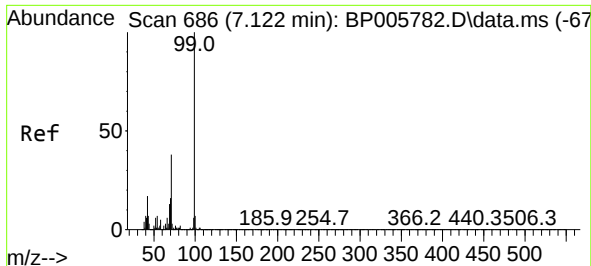
Tgt Ion:152 Resp: 86024
Ion Ratio Lower Upper
152 100
150 150.8 125.6 188.4
115 59.4 48.5 72.7



#5
2-Fluorophenol
Concen: 45.11 ng
RT: 5.487 min Scan# 408
Delta R.T. -0.000 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:112 Resp: 241826
Ion Ratio Lower Upper
112 100
64 49.7 41.4 62.2
63 27.5 23.8 35.8

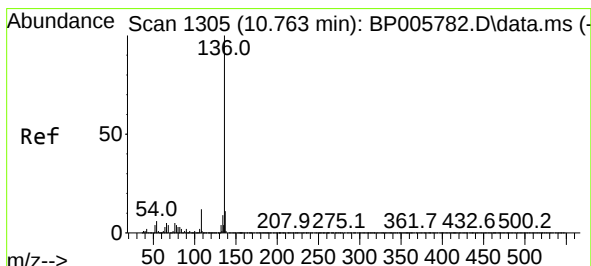
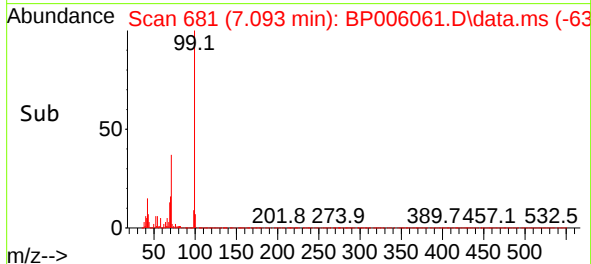
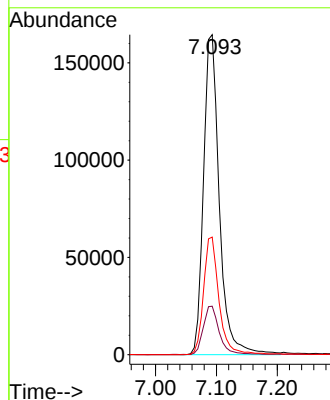
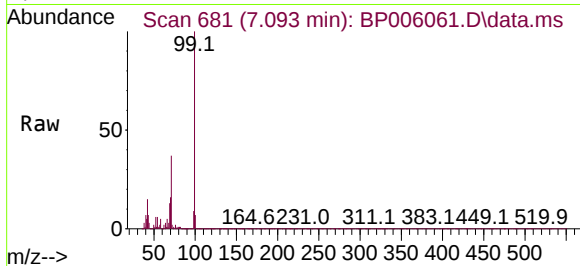




#7
Phenol-d6
Concen: 42.72 ng
RT: 7.093 min Scan# 681
Delta R.T. -0.000 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

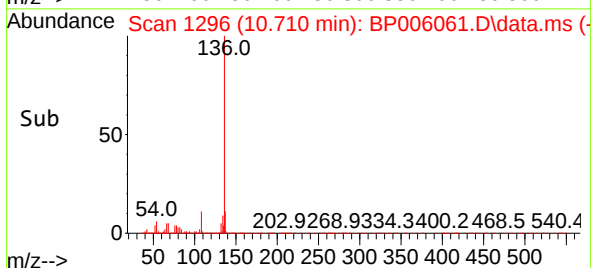
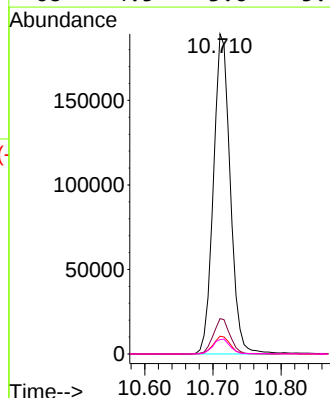
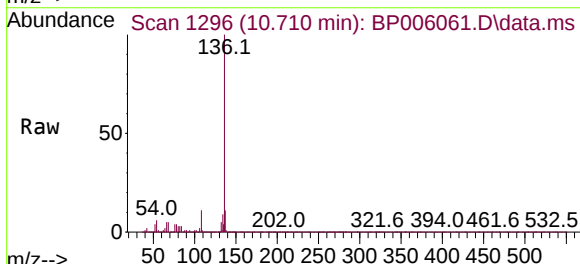
Instrument :
BNA_P
ClientSampleId :
B1-0-2

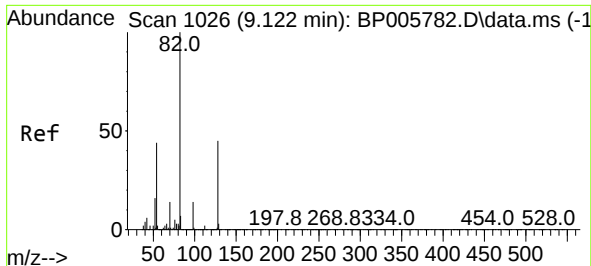
Tgt Ion: 99 Resp: 296870
Ion Ratio Lower Upper
99 100
42 15.2 13.4 20.0
71 36.8 30.6 46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion: 136 Resp: 325248
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 5.6 4.6 6.8
68 4.5 3.6 5.4





#23

Nitrobenzene-d5

Concen: 26.66 ng

RT: 9.081 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP006061.D

Acq: 24 Jun 2021 19:45

Instrument :

BNA_P

ClientSampleId :

B1-0-2

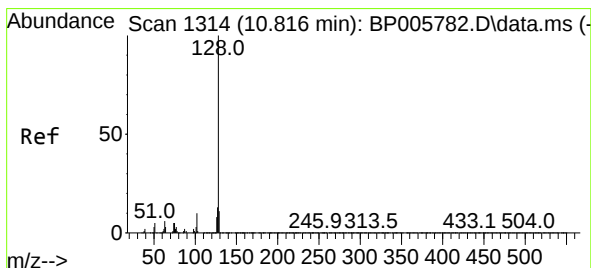
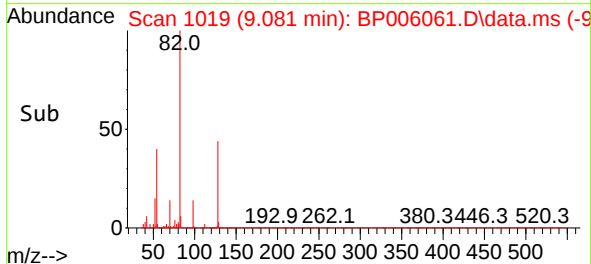
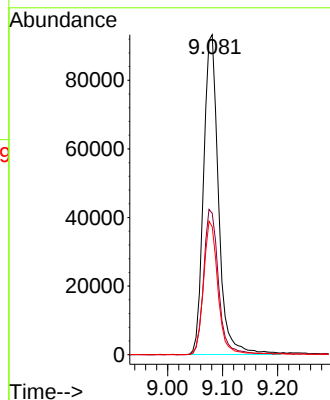
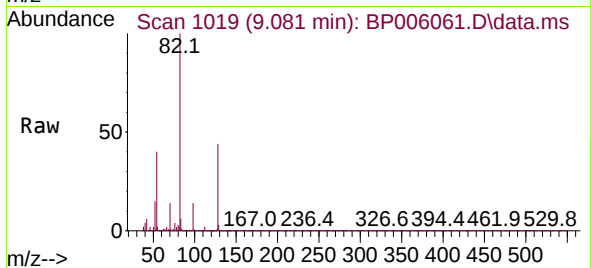
Tgt Ion: 82 Resp: 176878

Ion Ratio Lower Upper

82 100

128 44.2 35.7 53.5

54 40.0 35.0 52.4



#31

Naphthalene

Concen: 3.21 ng

RT: 10.763 min Scan# 1305

Delta R.T. -0.012 min

Lab File: BP006061.D

Acq: 24 Jun 2021 19:45

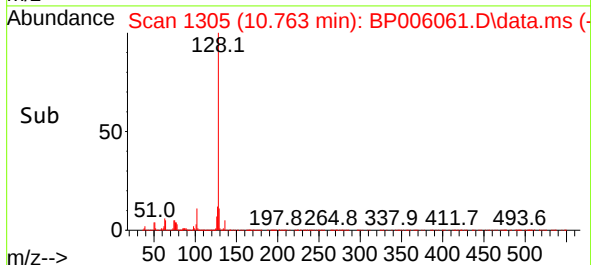
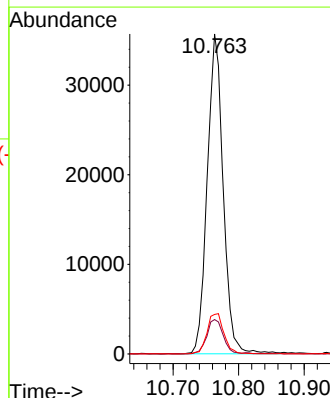
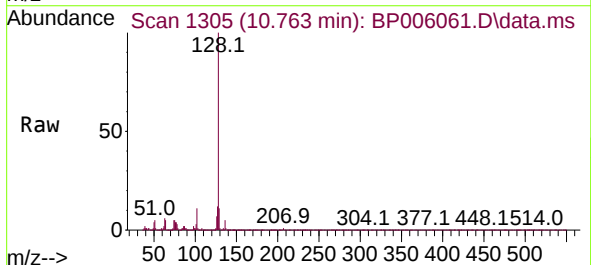
Tgt Ion: 128 Resp: 60453

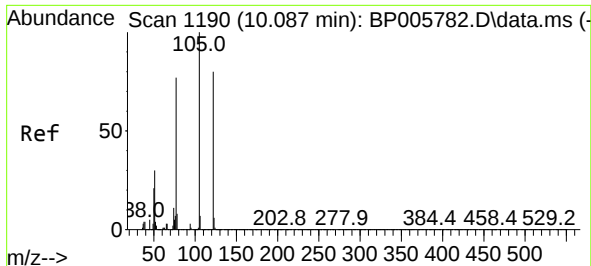
Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

127 12.4 10.7 16.1

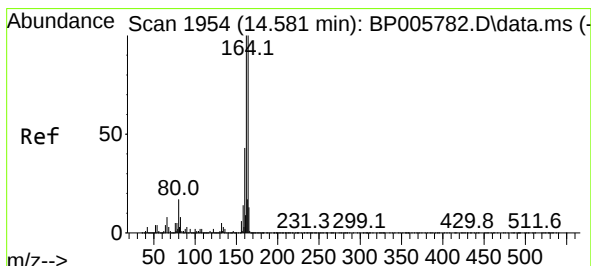
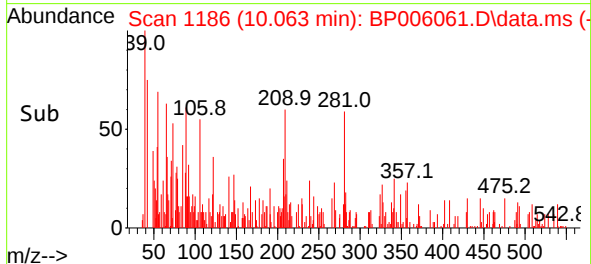
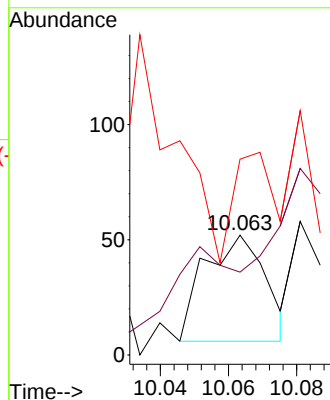
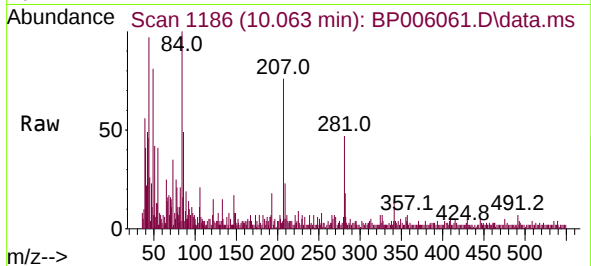




#32
Benzoic acid
Concen: 6.33 ng
RT: 10.063 min Scan# 1186
Delta R.T. -0.012 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

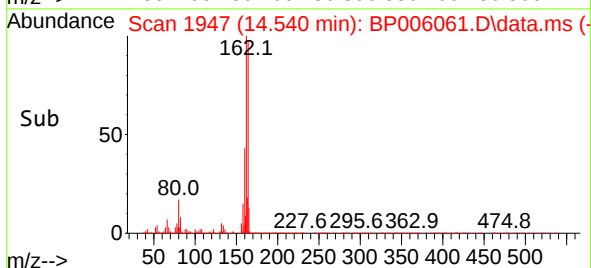
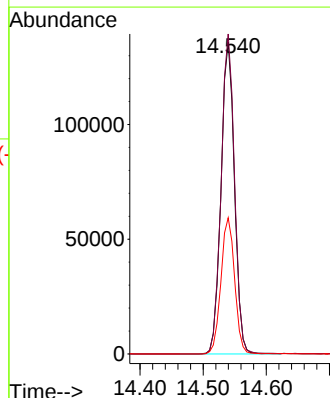
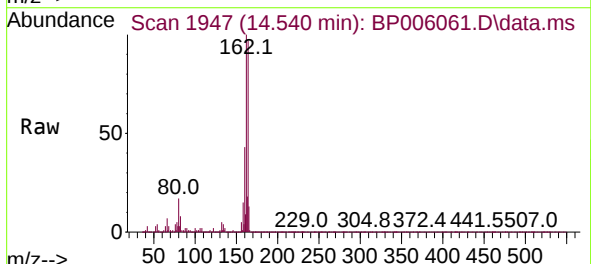
Instrument :
BNA_P
ClientSampleId :
B1-0-2

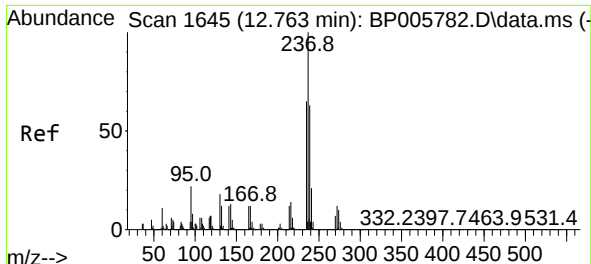
Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 69.2 103.2 143.2#
77 163.5 76.2 116.2#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:164 Resp: 200409
Ion Ratio Lower Upper
164 100
162 102.7 80.2 120.2
160 43.7 34.5 51.7

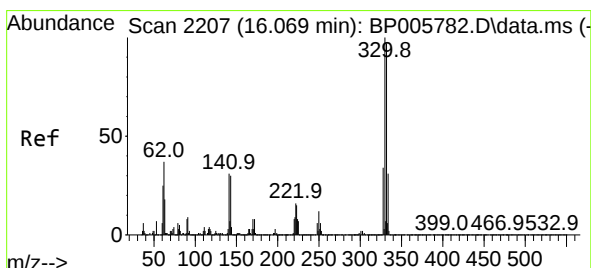
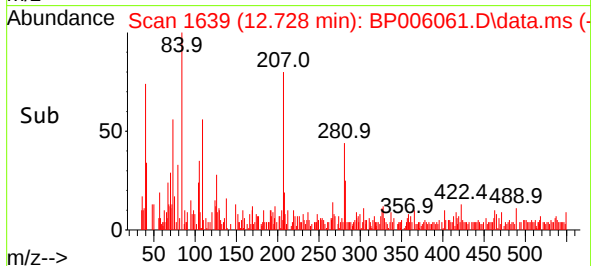
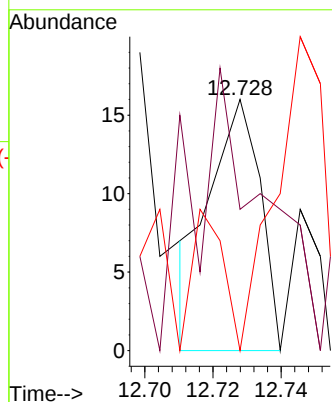
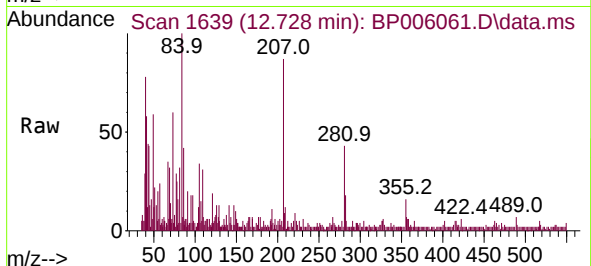




#41
Hexachlorocyclopentadiene
Concen: 5.51 ng
RT: 12.728 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

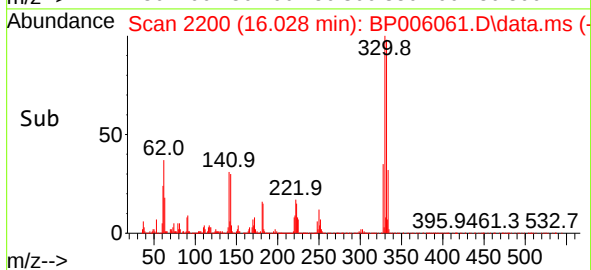
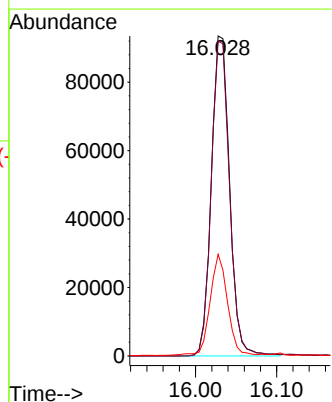
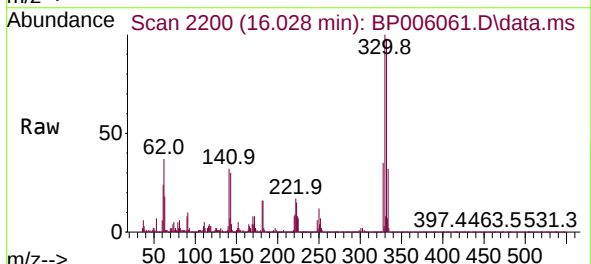
Instrument :
BNA_P
ClientSampled :
B1-0-2

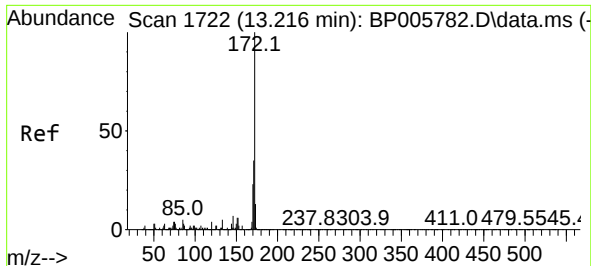
Tgt Ion:	237	Resp:	17
Ion	Ratio	Lower	Upper
237	100		
235	56.3	44.5	84.5
272	0.0	0.0	32.5



#42
2,4,6-Tribromophenol
Concen: 42.47 ng
RT: 16.028 min Scan# 2200
Delta R.T. -0.012 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:	330	Resp:	146064
Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.8	116.8
141	30.1	25.4	38.2

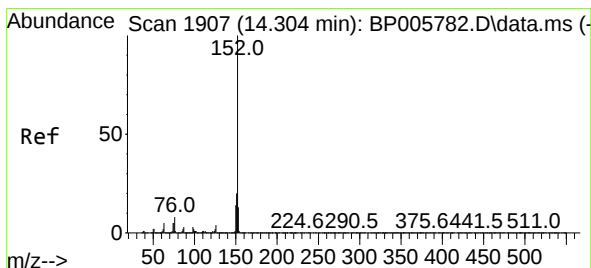
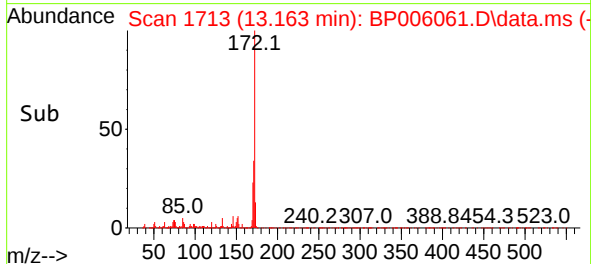
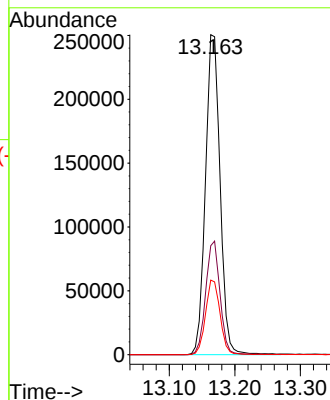
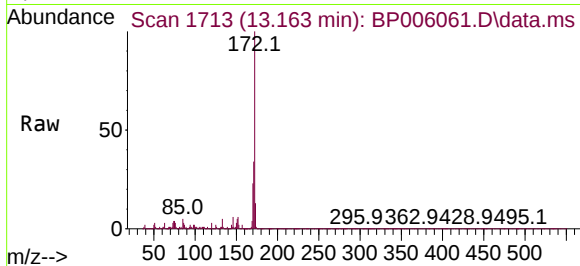




#45
2-Fluorobiphenyl
Concen: 25.54 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.012 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

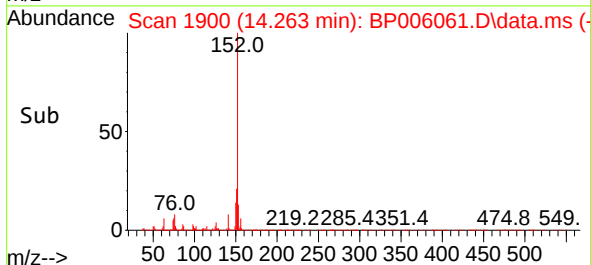
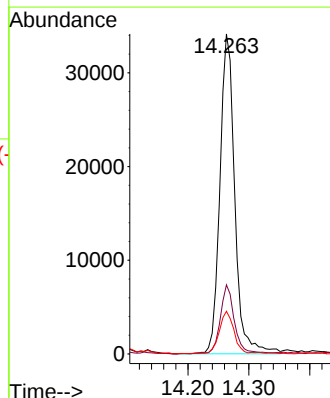
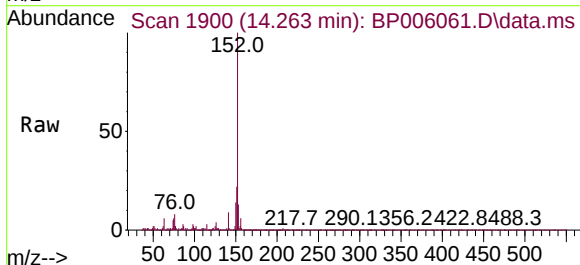
Instrument :
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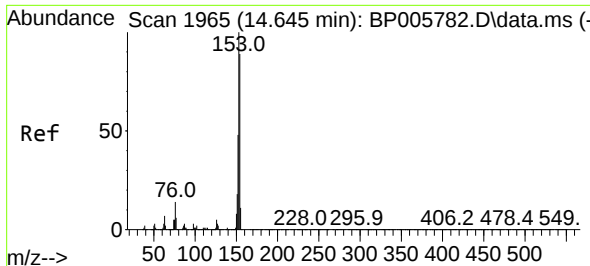
Tgt Ion:	172	Resp:	389860
Ion Ratio	Lower	Upper	
172	100		
171	34.0	27.9	41.9
170	23.3	18.6	27.8



#49
Acenaphthylene
Concen: 2.86 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.012 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:	152	Resp:	57808
Ion Ratio	Lower	Upper	
152	100		
151	21.6	16.2	24.2
153	13.3	10.6	16.0

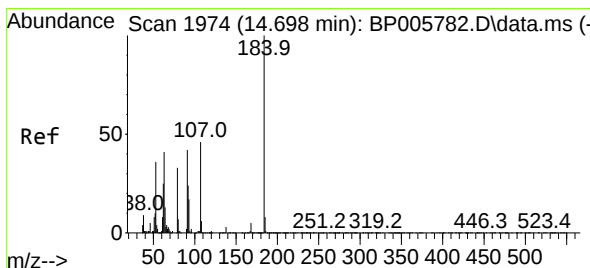
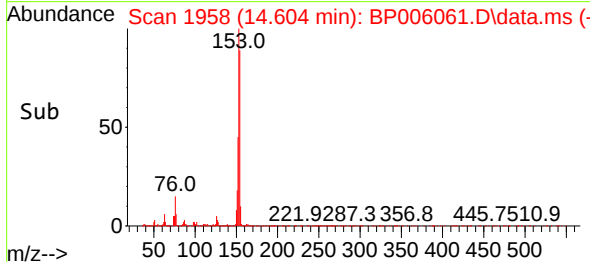
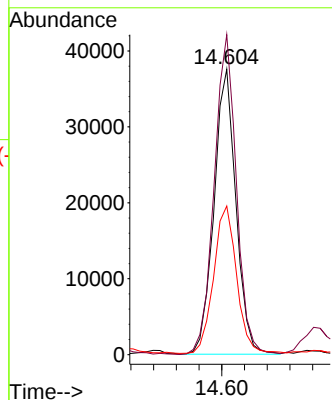
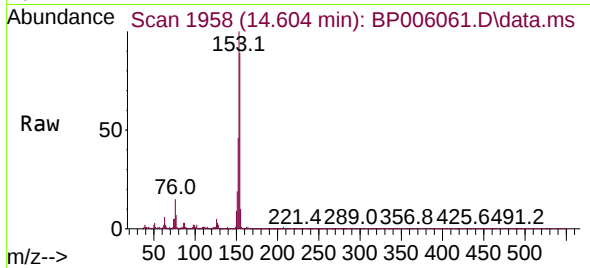




#52
Acenaphthene
Concen: 4.09 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.012 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

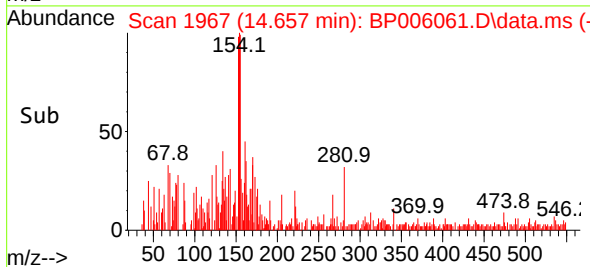
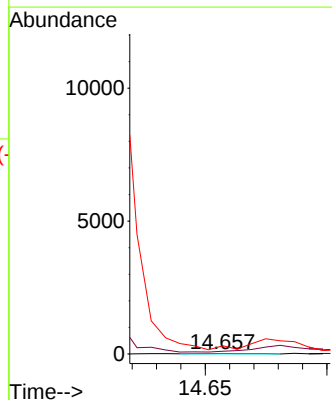
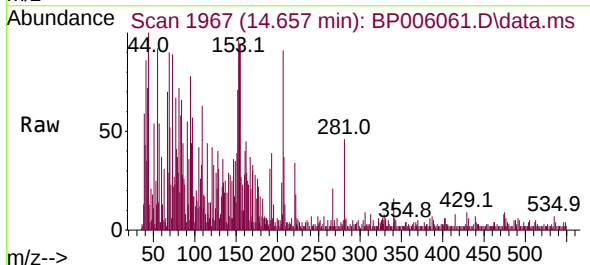
Instrument :
BNA_P
ClientSampleId :
B1-0-2

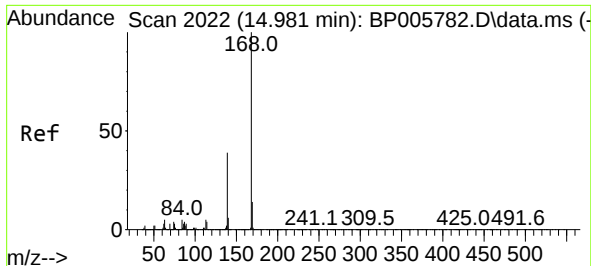
Tgt Ion:154 Resp: 50334
Ion Ratio Lower Upper
154 100
153 112.1 89.4 134.2
152 52.1 43.0 64.4



#54
2,4-Dinitrophenol
Concen: 4.86 ng
RT: 14.657 min Scan# 1967
Delta R.T. -0.018 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:184 Resp: 32
Ion Ratio Lower Upper
184 100
63 237.2 47.0 70.6#
154 716.3 52.3 78.5#

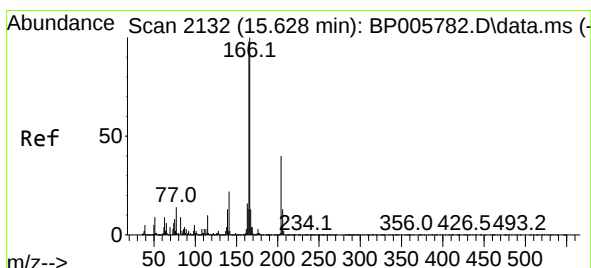
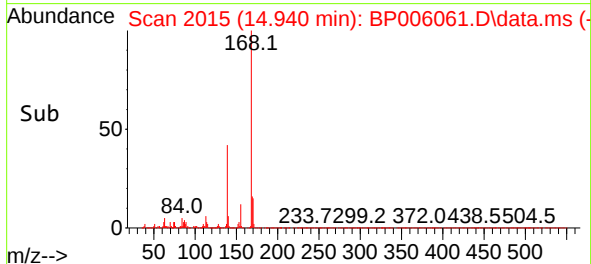
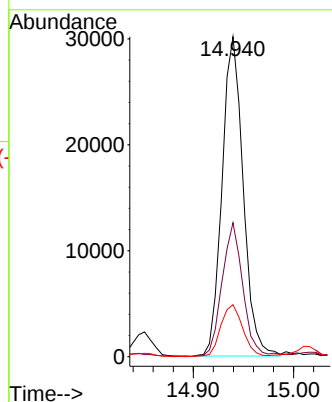
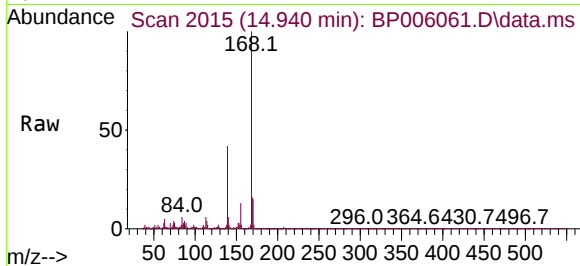




#55
Dibenzenofuran
Concen: 2.18 ng
RT: 14.940 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

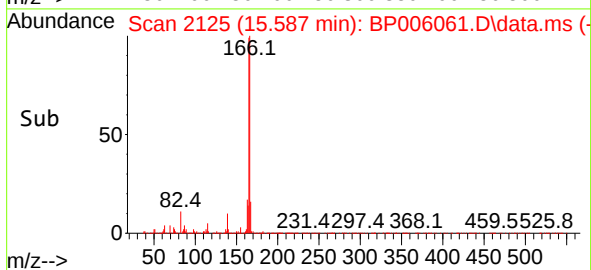
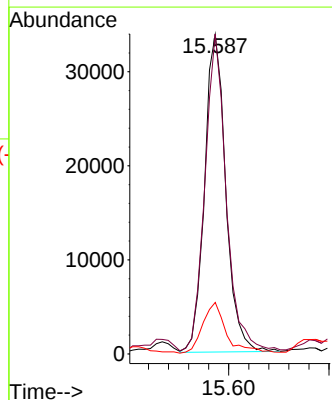
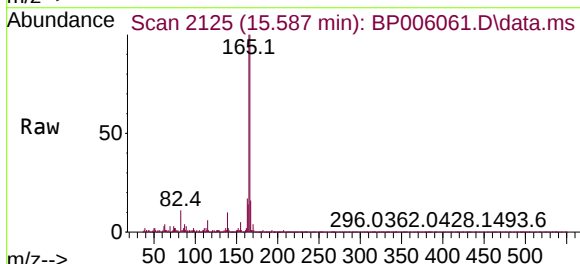
Instrument :
BNA_P
ClientSampleId :
B1-0-2

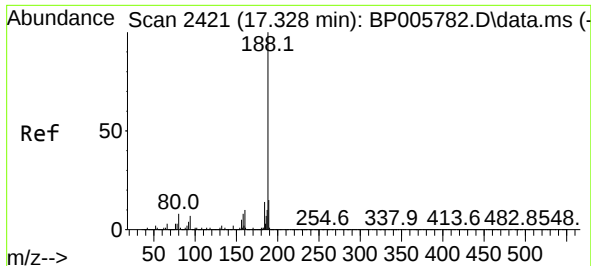
Tgt Ion:168 Resp: 44033
Ion Ratio Lower Upper
168 100
139 41.8 31.0 46.6
169 16.3 10.8 16.2#



#58
Fluorene
Concen: 3.16 ng
RT: 15.587 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:166 Resp: 49847
Ion Ratio Lower Upper
166 100
165 100.2 78.0 117.0
167 16.2 10.5 15.7#

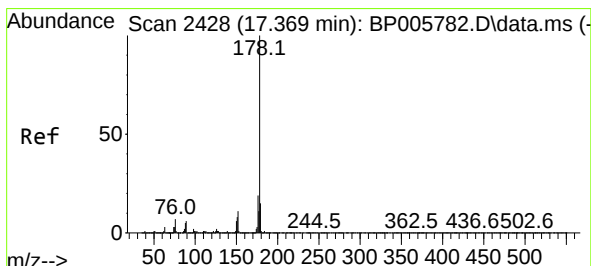
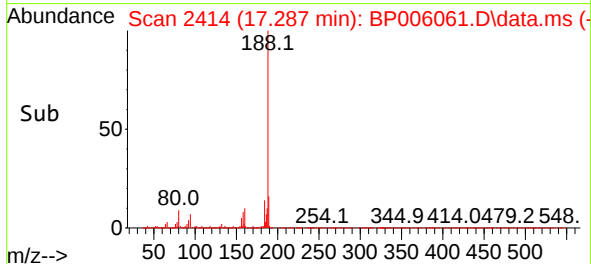
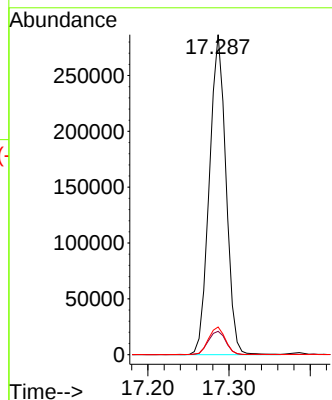
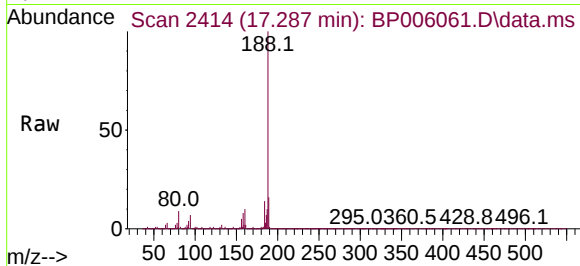




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.287 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

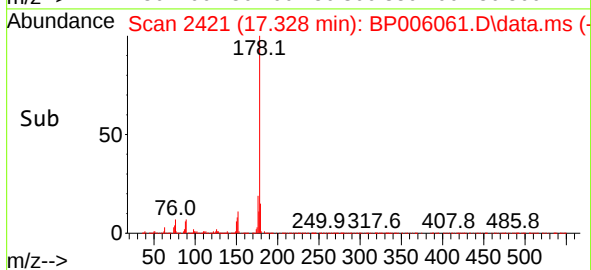
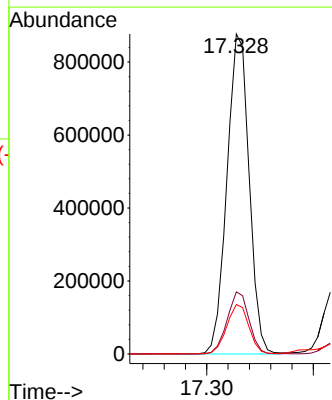
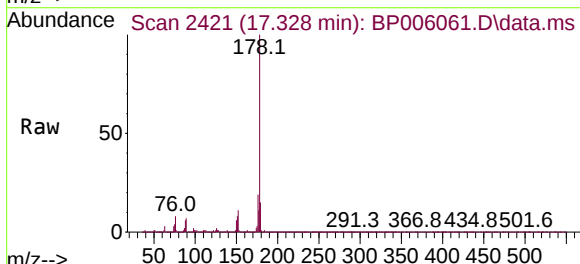
Instrument :
BNA_P
ClientSampleId :
B1-0-2

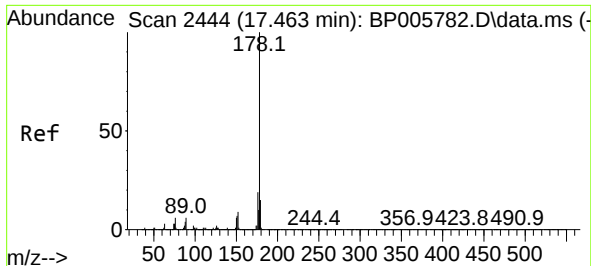
Tgt Ion:188 Resp: 406201
Ion Ratio Lower Upper
188 100
94 7.3 5.6 8.4
80 8.7 6.3 9.5



#71
Phenanthrene
Concen: 51.88 ng
RT: 17.328 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:178 Resp: 1265546
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.4 12.4 18.6

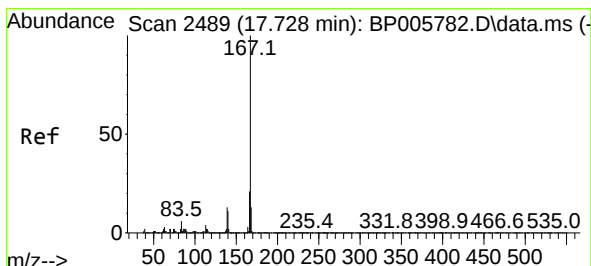
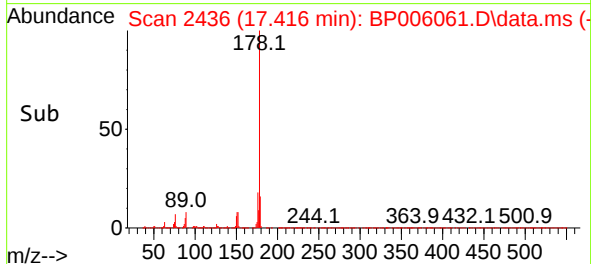
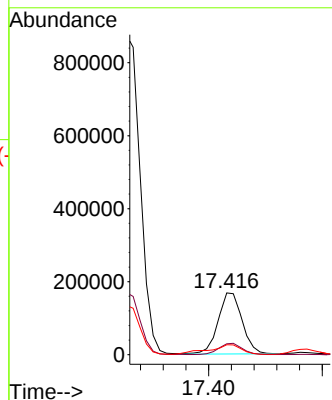
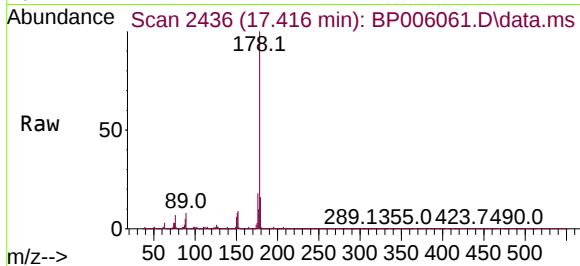




#72
 Anthracene
 Concen: 10.27 ng
 RT: 17.416 min Scan# 2436
 Delta R.T. -0.018 min
 Lab File: BP006061.D
 Acq: 24 Jun 2021 19:45

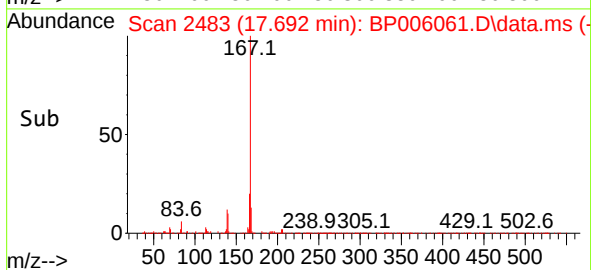
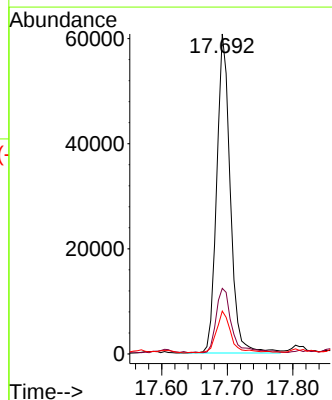
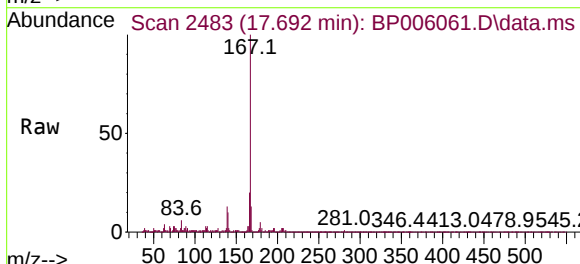
Instrument :
 BNA_P
 ClientSampled :
 B1-0-2

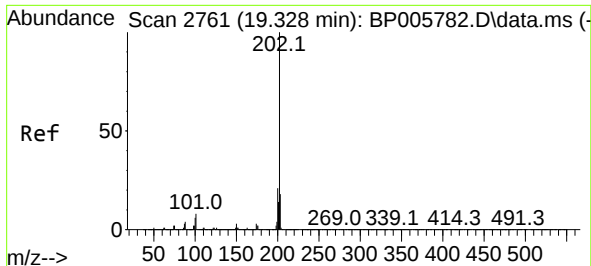
Tgt Ion:178 Resp: 246501
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.9 22.3
 179 16.1 12.2 18.2



#73
 Carbazole
 Concen: 3.77 ng
 RT: 17.692 min Scan# 2483
 Delta R.T. -0.012 min
 Lab File: BP006061.D
 Acq: 24 Jun 2021 19:45

Tgt Ion:167 Resp: 86800
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.1 25.7
 139 13.4 10.7 16.1

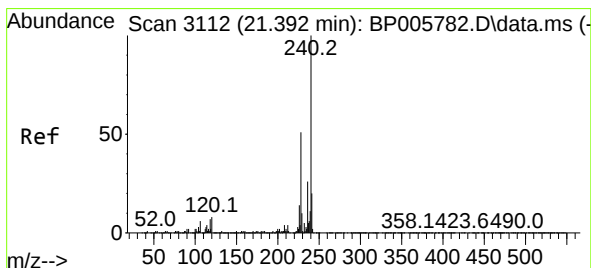
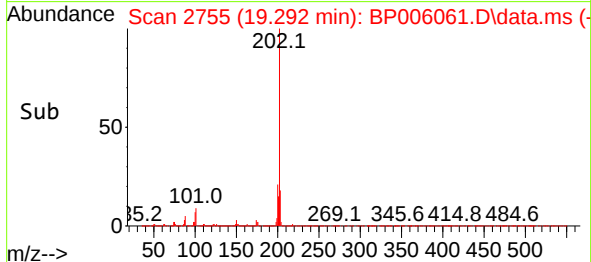
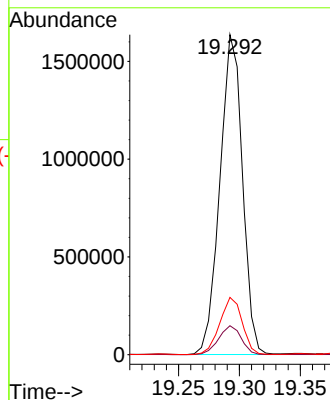
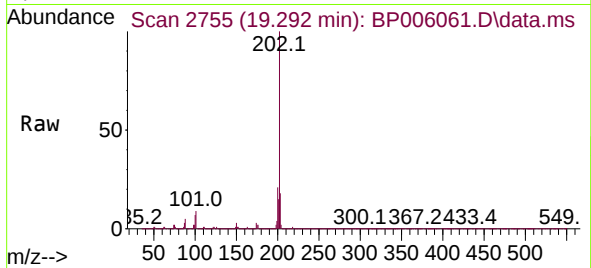




#75
Fluoranthene
Concen: 71.20 ng
RT: 19.292 min Scan# 2755
Delta R.T. -0.006 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

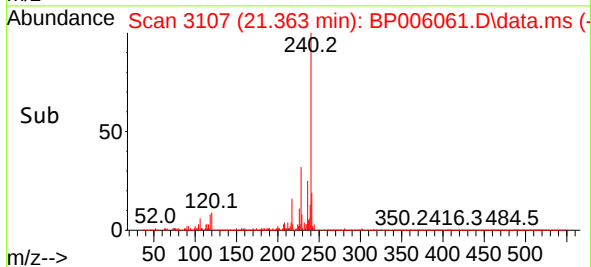
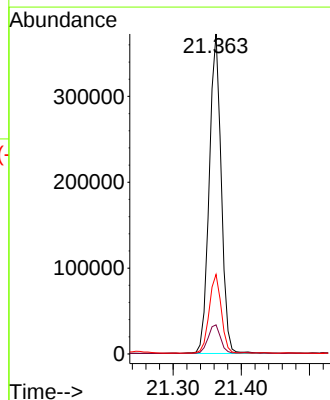
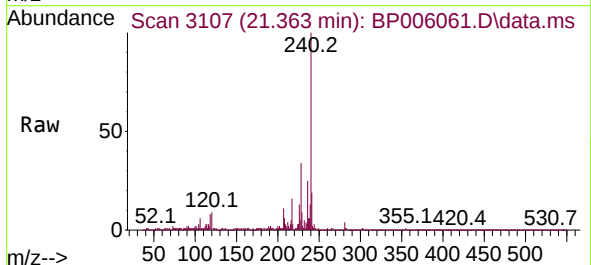
Instrument :
BNA_P
ClientSampleId :
B1-0-2

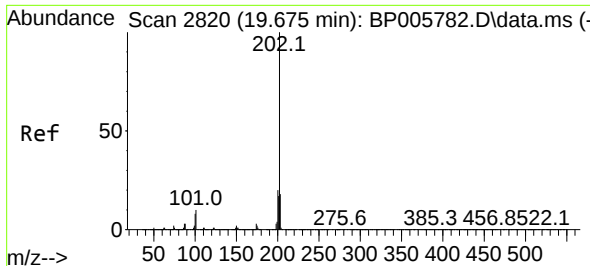
Tgt Ion:202 Resp: 2109421
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.6
203 17.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.363 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:240 Resp: 455793
Ion Ratio Lower Upper
240 100
120 9.1 6.5 9.7
236 24.9 20.6 31.0

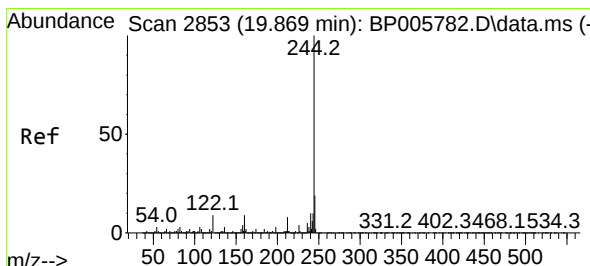
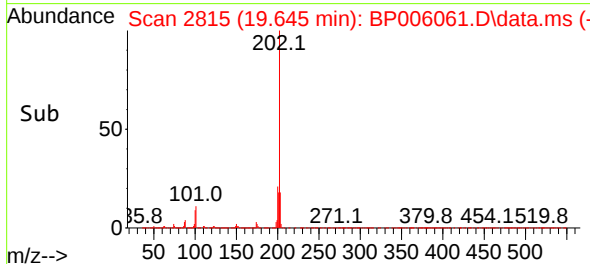
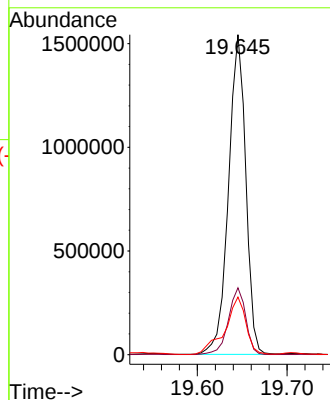
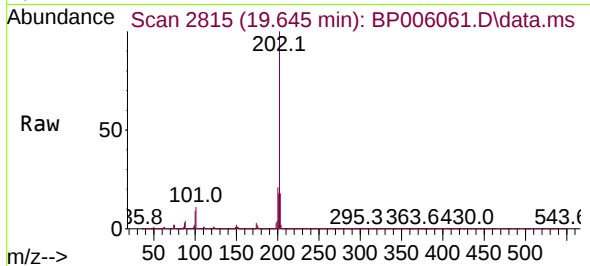




#78
Pyrene
Concen: 64.81 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

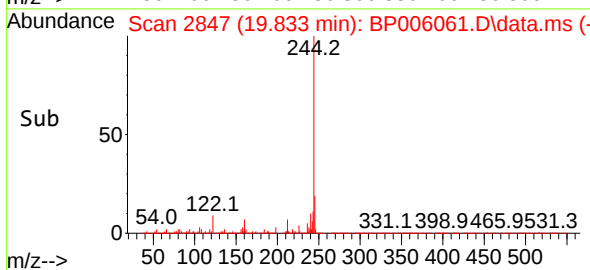
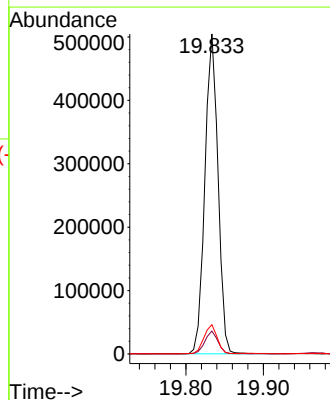
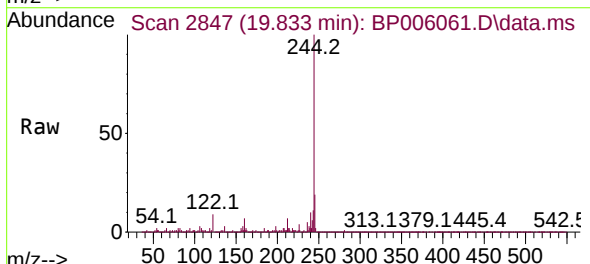
Instrument :
BNA_P
ClientSampleId :
B1-0-2

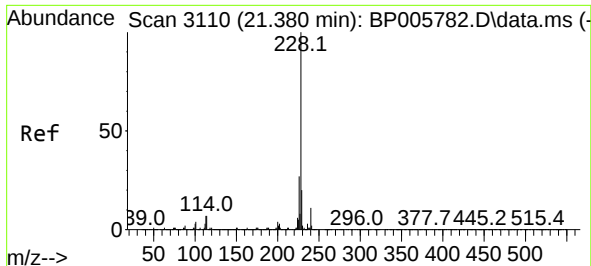
Tgt Ion:202 Resp: 2062222
Ion Ratio Lower Upper
202 100
200 20.9 16.3 24.5
203 18.0 14.2 21.2



#79
Terphenyl-d14
Concen: 24.33 ng
RT: 19.833 min Scan# 2847
Delta R.T. -0.012 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:244 Resp: 592350
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 9.2 7.1 10.7

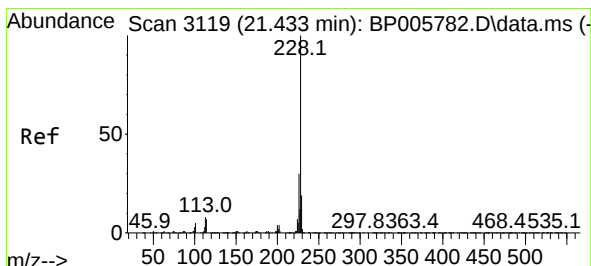
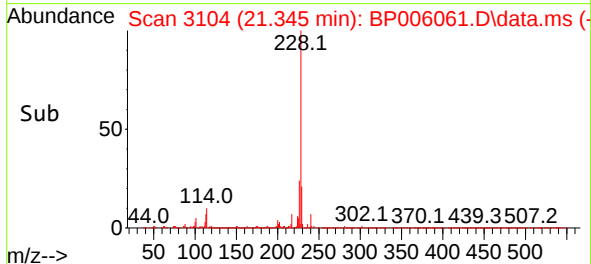
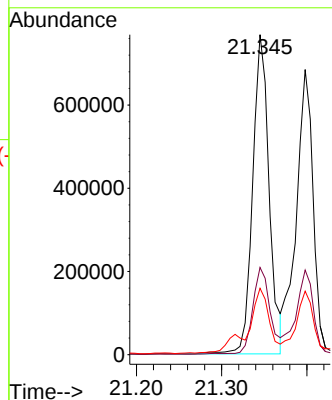
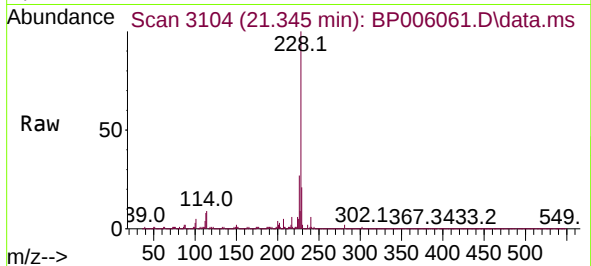




#81
Benzo(a)anthracene
Concen: 31.28 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

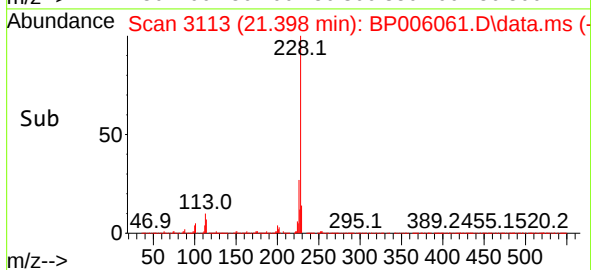
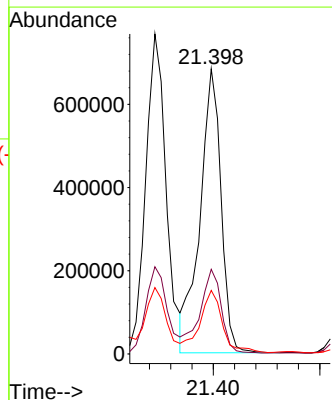
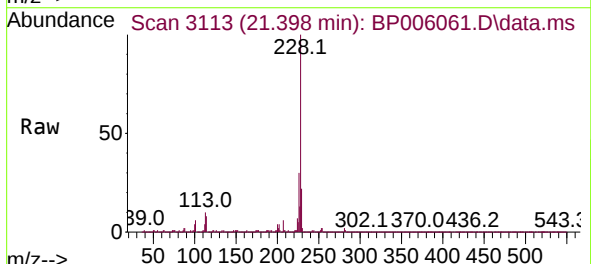
Instrument :
BNA_P
ClientSampled :
B1-0-2

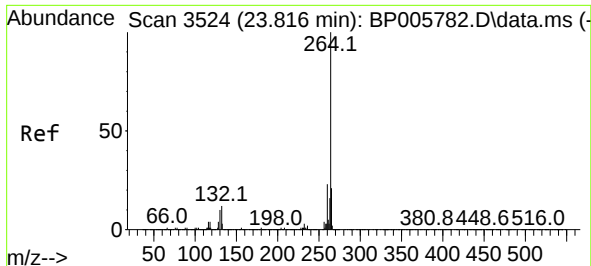
Tgt Ion:228 Resp: 1029144
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 20.8 15.8 23.6



#83
Chrysene
Concen: 29.51 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:228 Resp: 940510
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 22.3 15.4 23.2

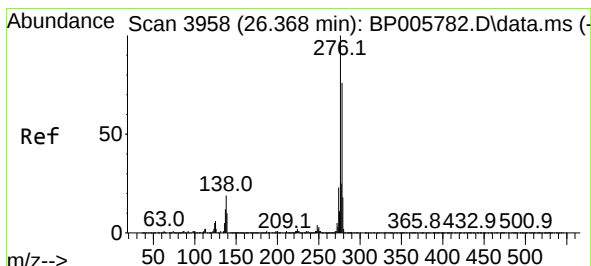
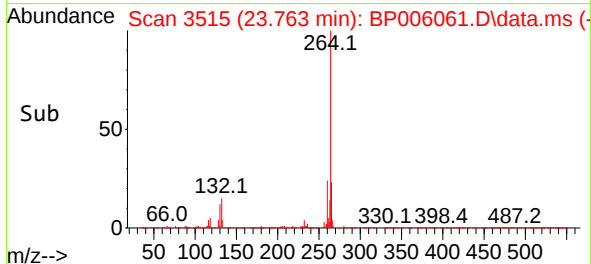
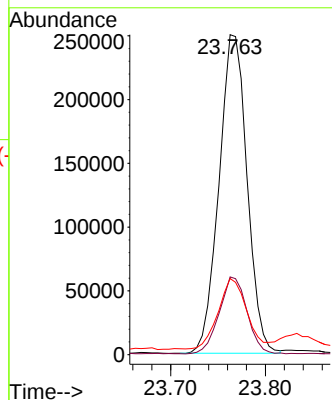
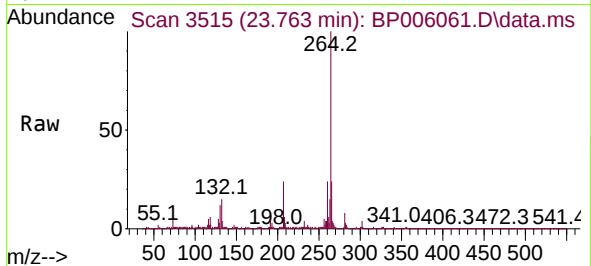




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.763 min Scan# 3515
Delta R.T. -0.012 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

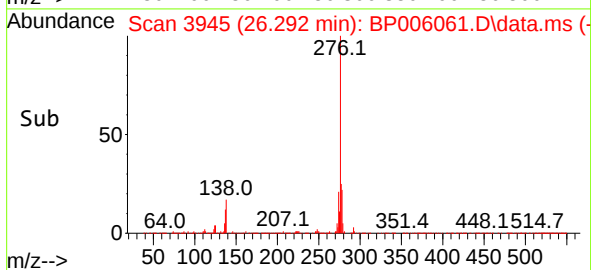
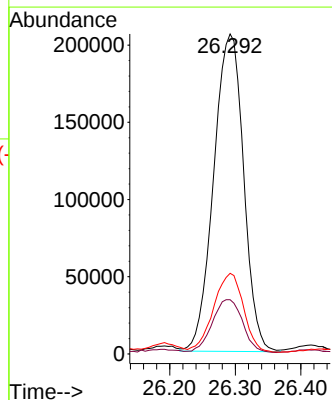
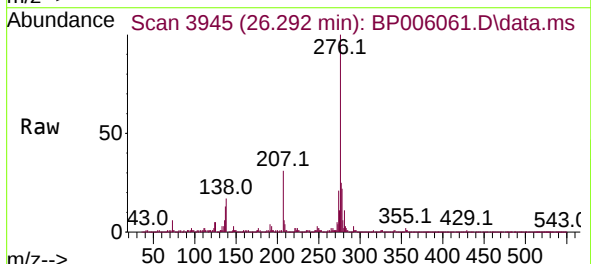
Instrument :
BNA_P
ClientSampled :
B1-0-2

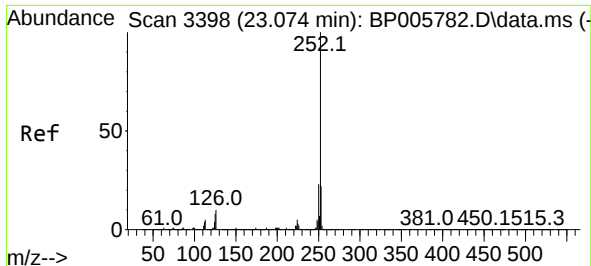
Tgt Ion:	264	Resp:	515424
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.6	28.0
265	23.8	17.6	26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.78 ng
RT: 26.292 min Scan# 3945
Delta R.T. -0.018 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:	276	Resp:	651549
Ion Ratio	Lower	Upper	
276	100		
138	16.9	15.3	22.9
277	25.0	20.4	30.6

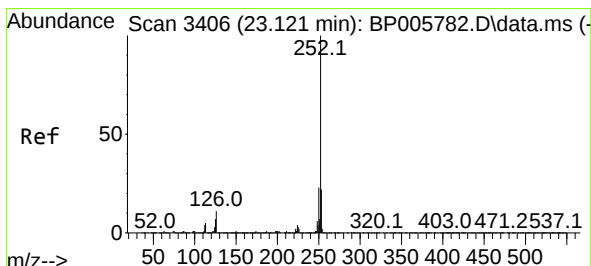
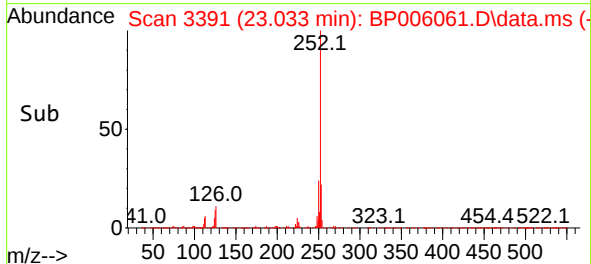
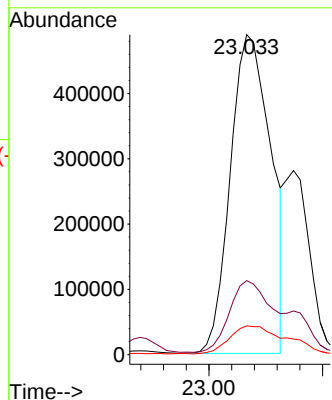
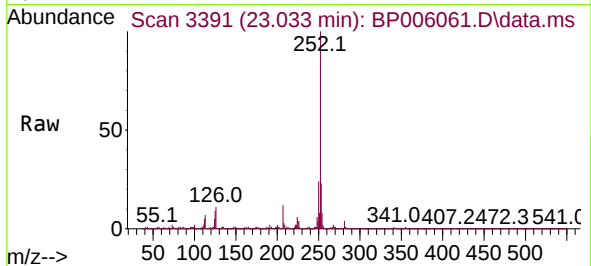




#88
Benzo(b)fluoranthene
Concen: 34.33 ng
RT: 23.033 min Scan# 3391
Delta R.T. -0.006 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

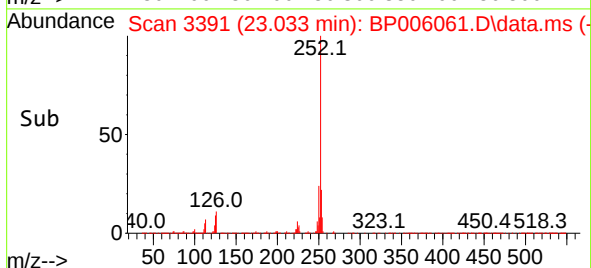
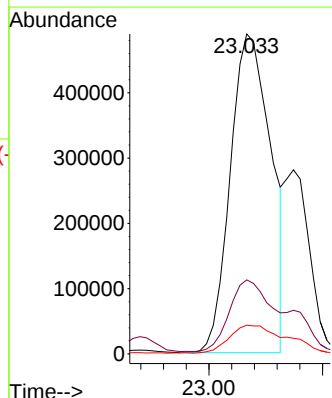
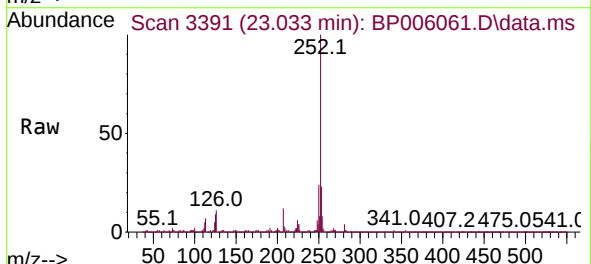
Instrument :
BNA_P
ClientSampled :
B1-0-2

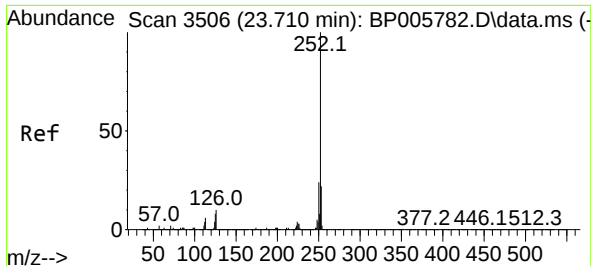
Tgt Ion:252 Resp: 1211846
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 9.0 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 35.40 ng
RT: 23.033 min Scan# 3391
Delta R.T. -0.053 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:252 Resp: 1211846
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 9.0 6.0 9.0

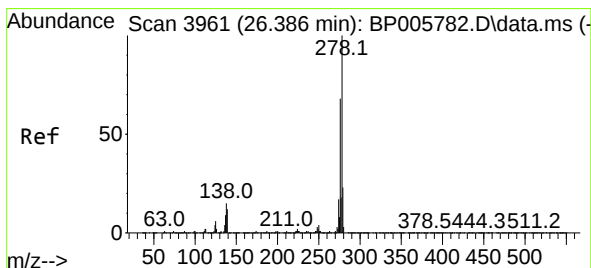
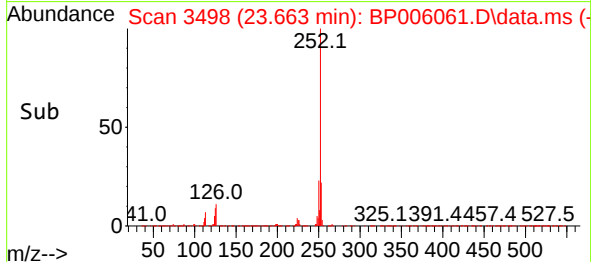
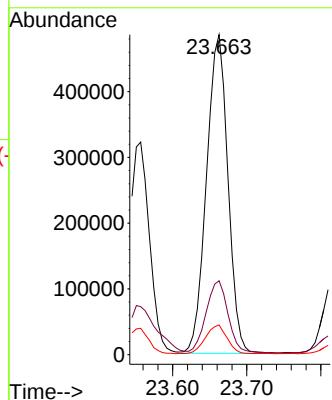
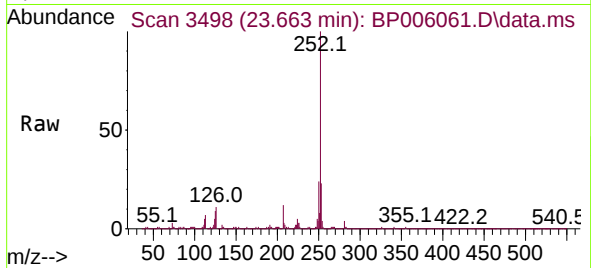




#90
Benzo(a)pyrene
Concen: 29.33 ng
RT: 23.663 min Scan# 3498
Delta R.T. -0.006 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

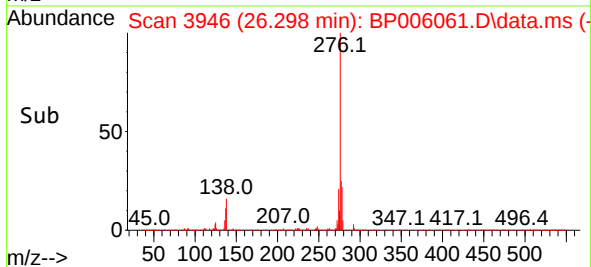
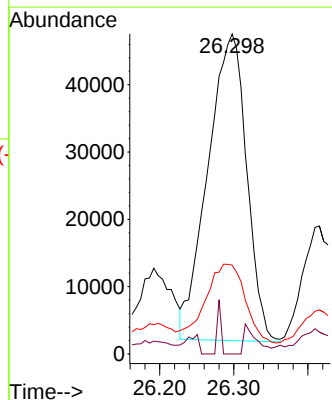
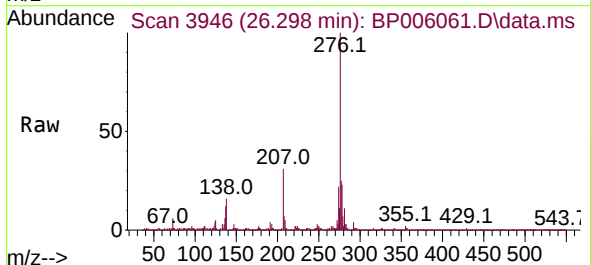
Instrument :
BNA_P
ClientSampleId :
B1-0-2

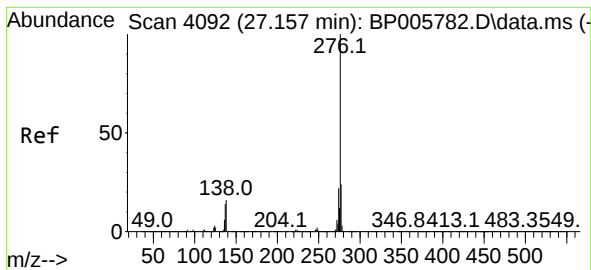
Tgt Ion:252 Resp: 973605
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 9.3 6.5 9.7



#91
Dibenzo(a,h)anthracene
Concen: 4.36 ng
RT: 26.298 min Scan# 3946
Delta R.T. -0.024 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Tgt Ion:278 Resp: 165417
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 27.7 18.8 28.2





#92
Benzo(g,h,i)perylene
Concen: 17.46 ng
RT: 27.074 min Scan# 4078
Delta R.T. -0.012 min
Lab File: BP006061.D
Acq: 24 Jun 2021 19:45

Instrument :
BNA_P
ClientSampleId :
B1-0-2

Tgt Ion:276 Resp: 654345
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 18.4 12.6 18.8

