

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
 Data File : BP005378.D
 Acq On : 22 Apr 2021 16:33
 Operator : CG/JU
 Sample : M2112-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 M-1

Quant Time: Apr 22 17:47:42 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP042121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 21 17:40:15 2021
 Response via : Initial Calibration

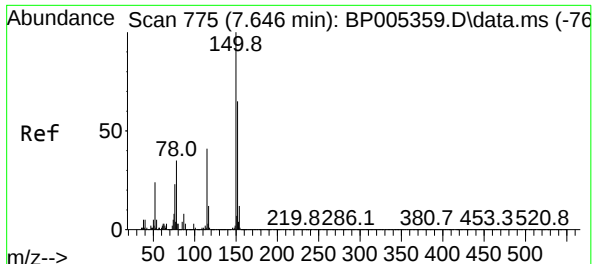
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.640	152	30234	20.00	ng	0.00
21) Naphthalene-d8	10.434	136	111018	20.00	ng	# 0.00
39) Acenaphthene-d10	14.304	164	74940	20.00	ng	0.00
64) Phenanthrene-d10	17.069	188	180403	20.00	ng	0.00
76) Chrysene-d12	21.168	240	225158	20.00	ng	0.00
86) Perylene-d12	23.427	264	232218	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	194215	111.59	ng	0.00
7) Phenol-d6	6.834	99	258958	107.99	ng	0.00
23) Nitrobenzene-d5	8.804	82	217352	85.15	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	125248	87.37	ng	0.00
45) 2-Fluorobiphenyl	12.916	172	372743	64.39	ng	0.00
79) Terphenyl-d14	19.645	244	682867	56.20	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.852	94	4834	2.02	ng	# 1
25) Isophorone	9.393	82	113	2.97	ng	# 82
32) Benzoic acid	9.798	122	48	7.78	ng	# 41
41) Hexachlorocyclopentadiene	12.445	237	17	6.97	ng	76
48) 2-Nitroaniline	13.204	65	4795	8.36	ng	# 18
50) Dimethylphthalate	13.769	163	19298	3.55	ng	# 95
53) 3-Nitroaniline	14.251	138	26	2.68	ng	# 38
54) 2,4-Dinitrophenol	14.457	184	10	7.53	ng	# 59
56) 4-Nitrophenol	14.539	139	9	5.31	ng	# 1
57) 2,4-Dinitrotoluene	14.675	165	18	3.12	ng	# 1
62) 4-Nitroaniline	15.404	138	3	3.82	ng	# 1
71) Phenanthrene	17.110	178	31481	3.27	ng	99
72) Anthracene	17.110	178	31481	3.36	ng	99
74) Di-n-butylphthalate	17.827	149	105	3.96	ng	97
75) Fluoranthene	19.092	202	176886	13.40	ng	98
78) Pyrene	19.445	202	154234	12.22	ng	99
81) Benzo(a)anthracene	21.157	228	86457	5.97	ng	97
83) Chrysene	21.204	228	129087	8.94	ng	97
84) Bis(2-ethylhexyl)phtha...	21.080	149	2444	3.43	ng	# 93
87) Indeno(1,2,3-cd)pyrene	25.733	276	112601	6.35	ng	97
88) Benzo(b)fluoranthene	22.751	252	281429	18.41	ng	96
89) Benzo(k)fluoranthene	22.751	252	281429	18.75	ng	98
90) Benzo(a)pyrene	23.327	252	125981	9.04	ng	98
92) Benzo(g,h,i)perylene	26.445	276	115193	8.00	ng	97

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

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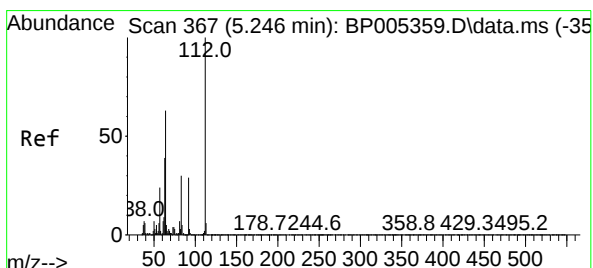
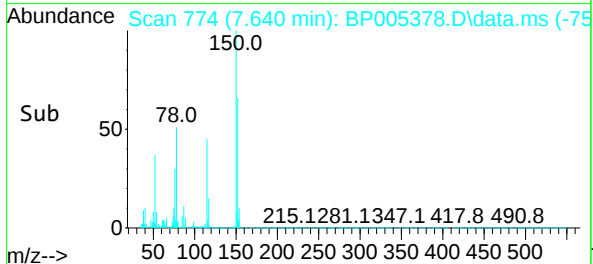
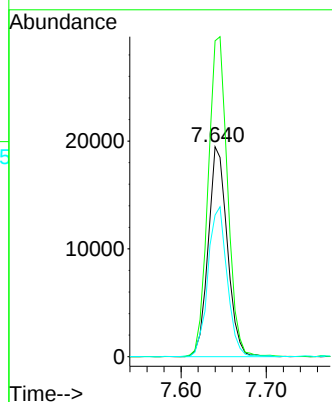
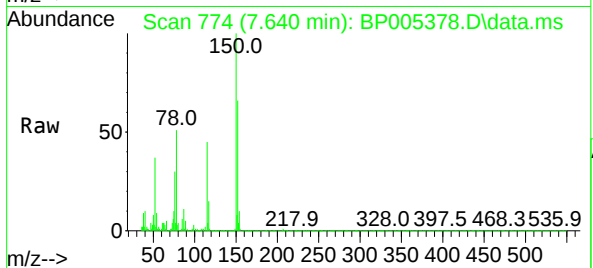




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.640 min Scan# 774
Delta R.T. -0.006 min
Lab File: BP005378.D
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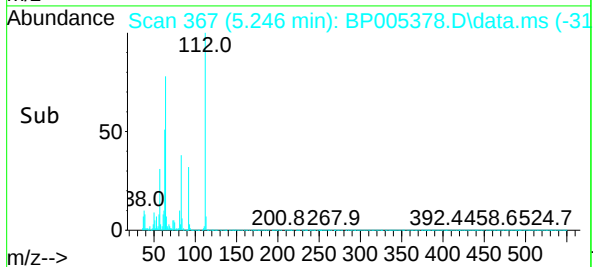
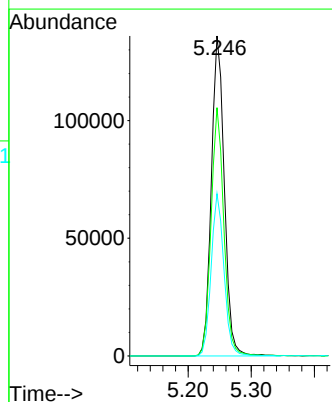
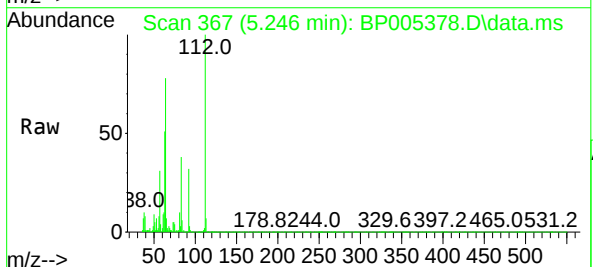
Instrument :
BNA_P
ClientSampleId :
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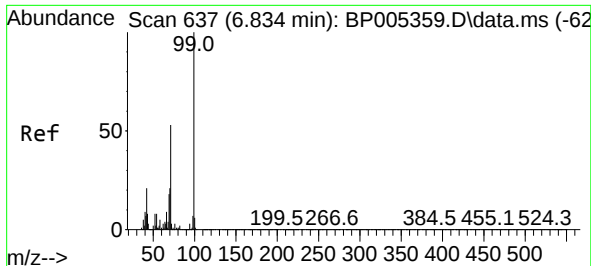
Tgt Ion:152 Resp: 30234
Ion Ratio Lower Upper
152 100
150 150.4 119.8 179.8
115 67.5 49.0 73.4



#5
2-Fluorophenol
Concen: 111.59 ng
RT: 5.246 min Scan# 367
Delta R.T. -0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:112 Resp: 194215
Ion Ratio Lower Upper
112 100
64 77.6 33.6 50.4#
63 50.7 18.6 27.8#

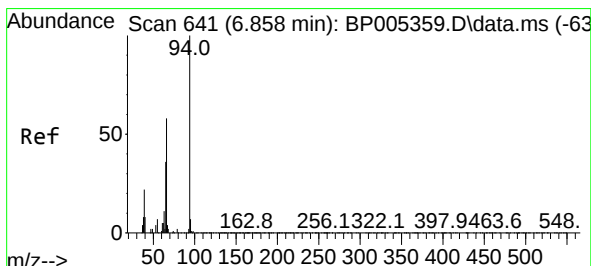
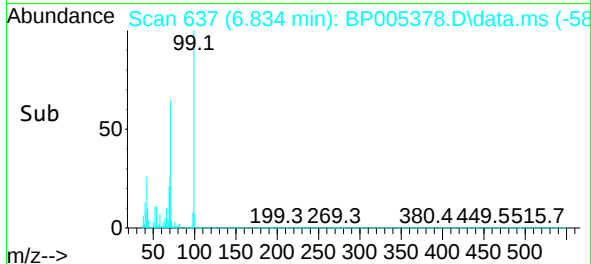
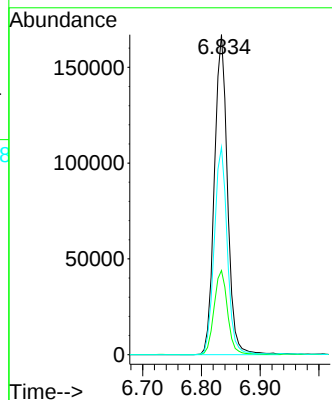
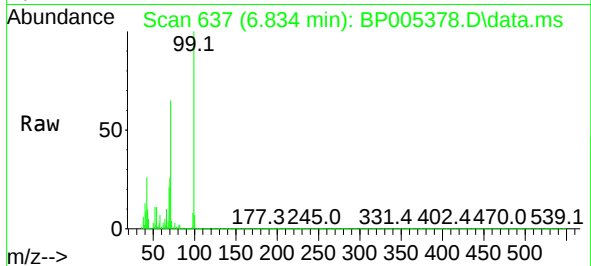




#7
Phenol-d6
Concen: 107.99 ng
RT: 6.834 min Scan# 637
Delta R.T. -0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

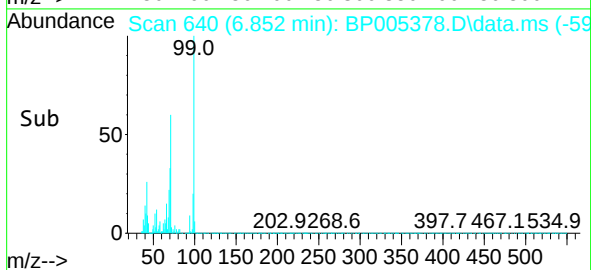
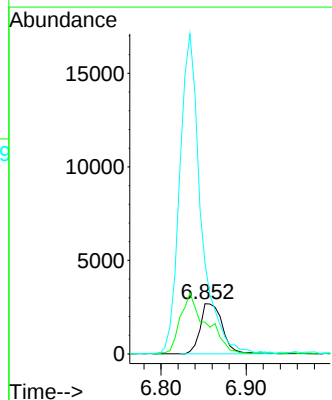
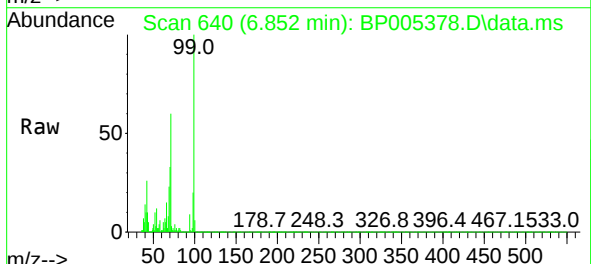
Instrument :
BNA_P
ClientSampleId :
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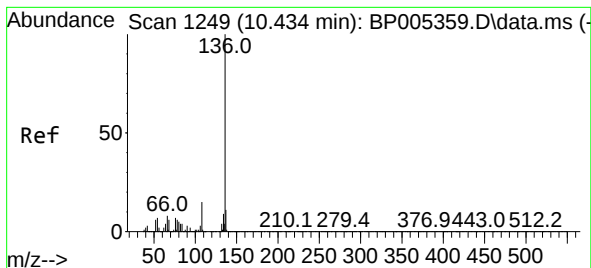
Tgt Ion: 99 Resp: 258958
Ion Ratio Lower Upper
99 100
42 26.3 12.9 19.3#
71 64.8 26.7 40.1#



#10
Phenol
Concen: 2.02 ng
RT: 6.852 min Scan# 640
Delta R.T. -0.006 min
Lab File: BP005378.D
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Tgt Ion: 94 Resp: 4834
Ion Ratio Lower Upper
94 100
65 63.6 8.0 48.0#
66 181.3 17.3 57.3#

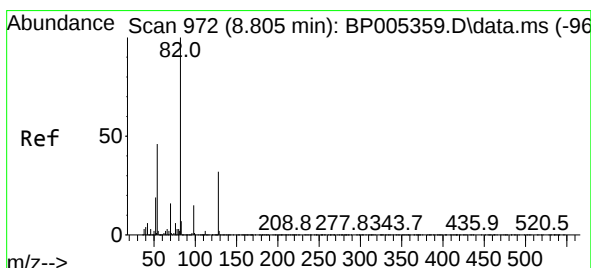
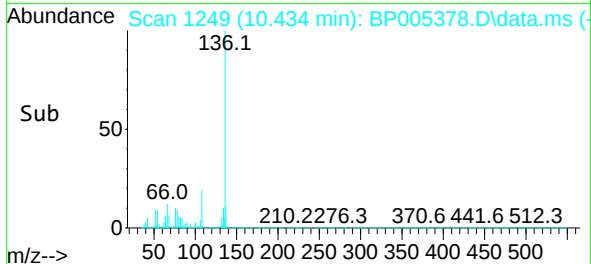
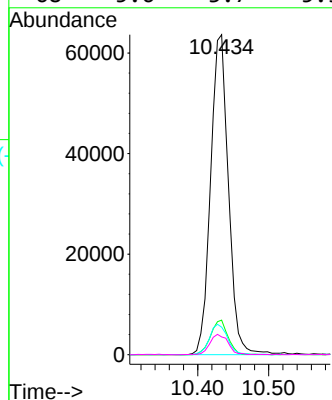
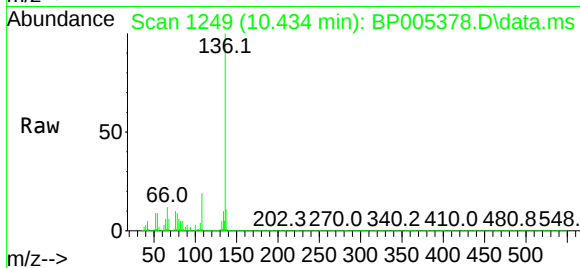




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

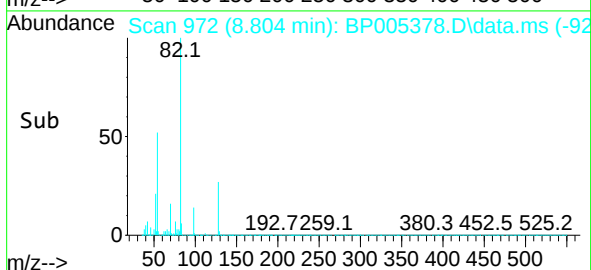
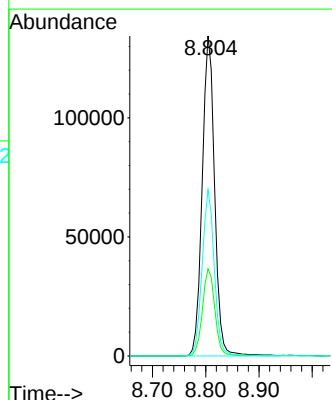
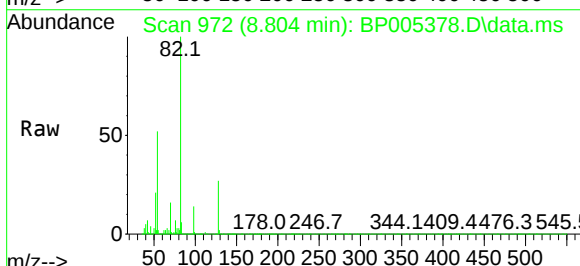
Instrument :
BNA_P
ClientSampleId :
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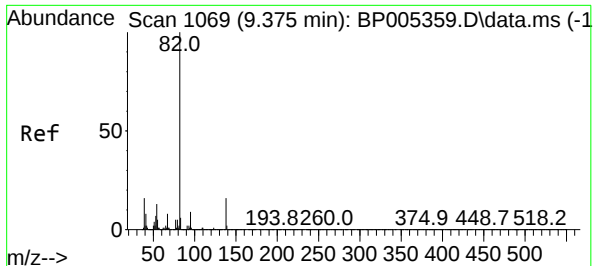
Tgt Ion:	136	Resp:	111018
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	8.6	5.0	7.4#
68	5.6	3.7	5.5#



#23
Nitrobenzene-d5
Concen: 85.15 ng
RT: 8.804 min Scan# 972
Delta R.T. -0.001 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:	82	Resp:	217352
Ion Ratio	Lower	Upper	
82	100		
128	27.2	30.5	45.7#
54	52.0	33.9	50.9#

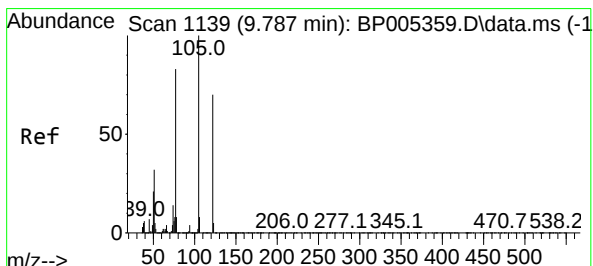
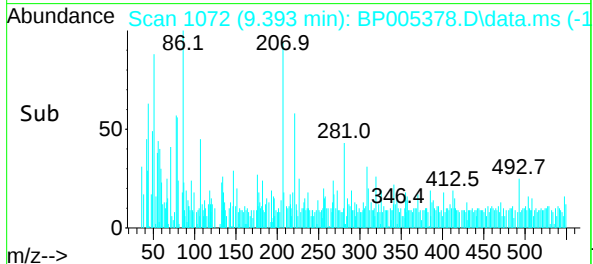
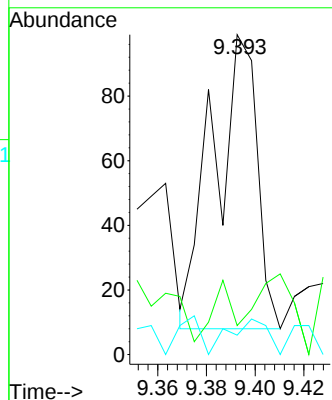
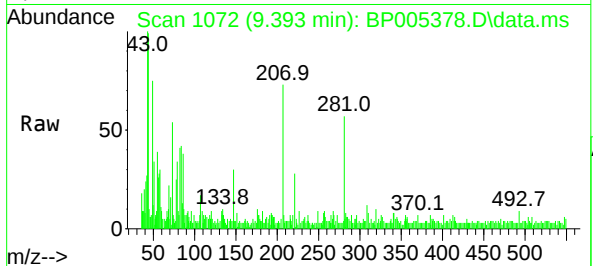




#25
Isophorone
Concen: 2.97 ng
RT: 9.393 min Scan# 1072
Delta R.T. 0.018 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

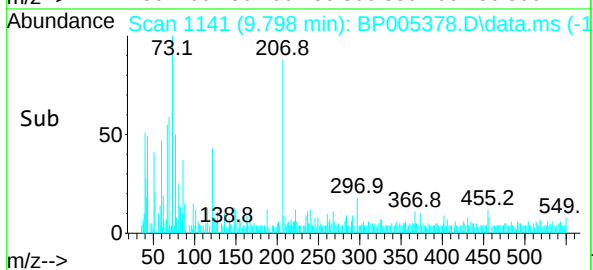
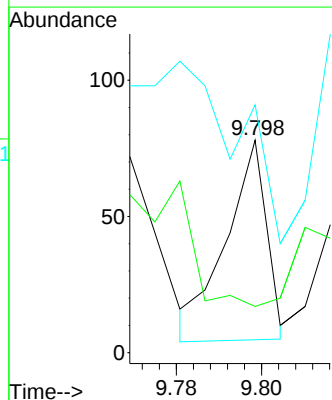
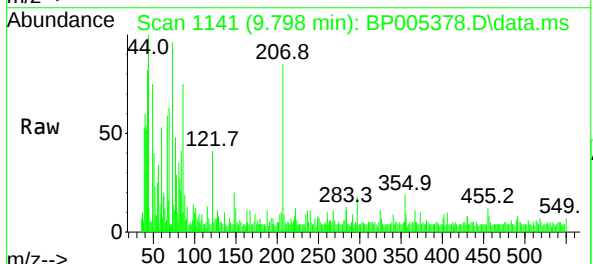
Instrument :
BNA_P
ClientSampled :
M-1

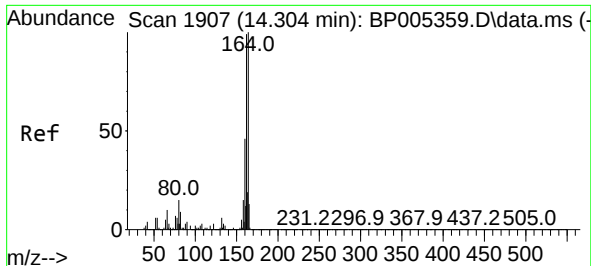
Tgt Ion: 82 Resp: 113
Ion Ratio Lower Upper
82 100
95 9.1 7.5 11.3
138 6.1 14.6 22.0#



#32
Benzoic acid
Concen: 7.78 ng
RT: 9.798 min Scan# 1141
Delta R.T. 0.011 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion: 122 Resp: 48
Ion Ratio Lower Upper
122 100
105 33.3 105.1 145.1#
77 116.7 69.6 109.6#

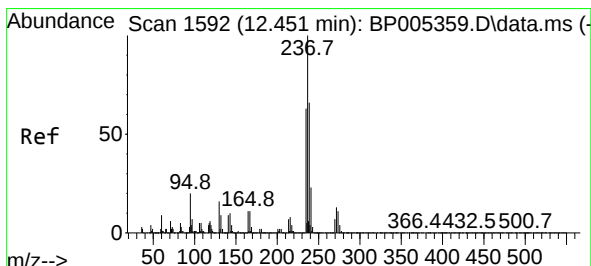
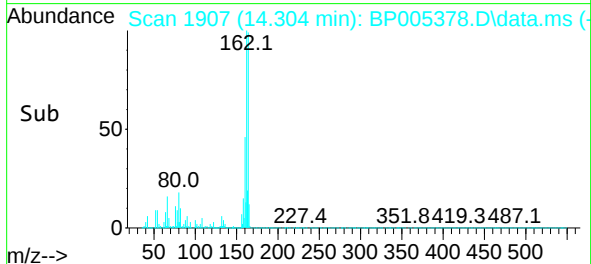
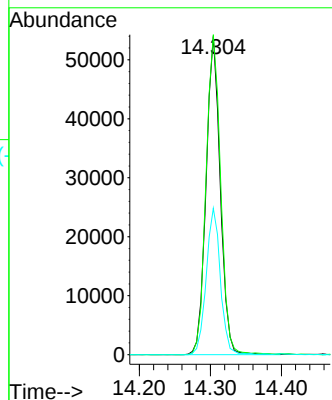
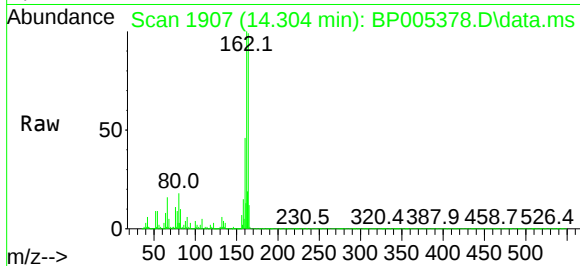




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1907
Delta R.T. 0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

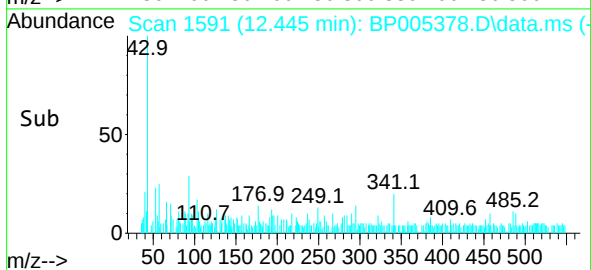
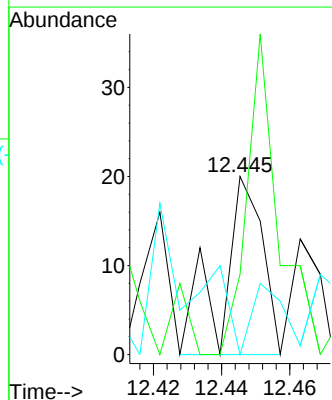
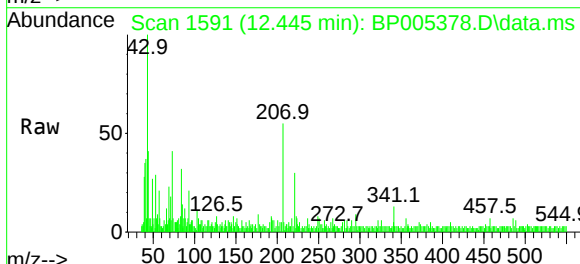
Instrument :
BNA_P
ClientSampled :
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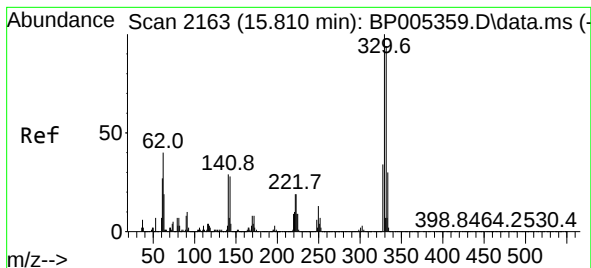
Tgt Ion:164 Resp: 74940
Ion Ratio Lower Upper
164 100
162 100.6 73.5 110.3
160 46.0 40.6 61.0



#41
Hexachlorocyclopentadiene
Concen: 6.97 ng
RT: 12.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:237 Resp: 17
Ion Ratio Lower Upper
237 100
235 45.0 40.9 80.9
272 0.0 0.0 34.6

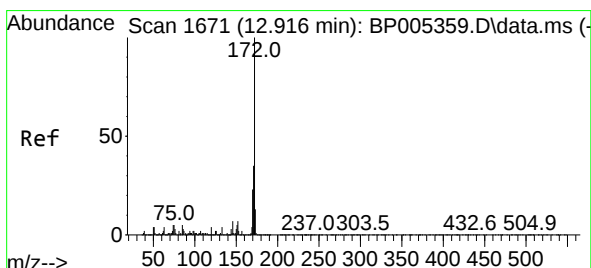
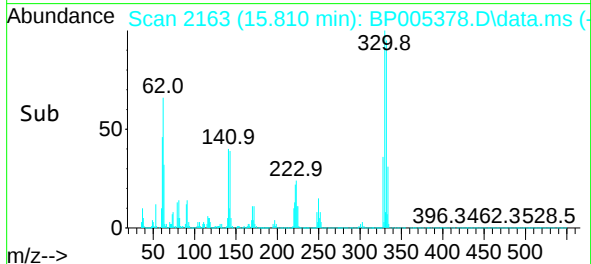
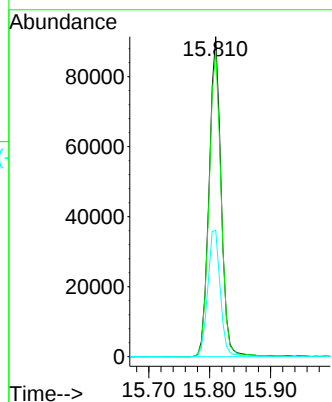
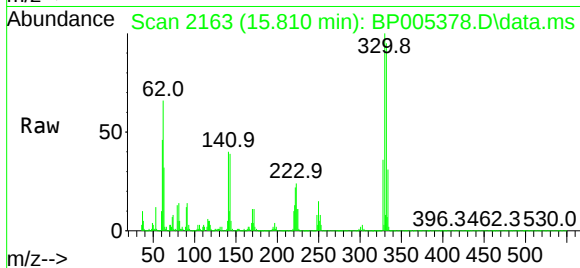




#42
2,4,6-Tribromophenol
Concen: 87.37 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

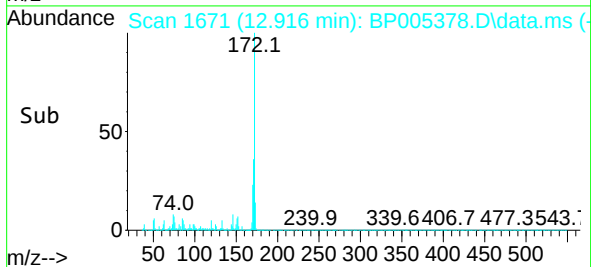
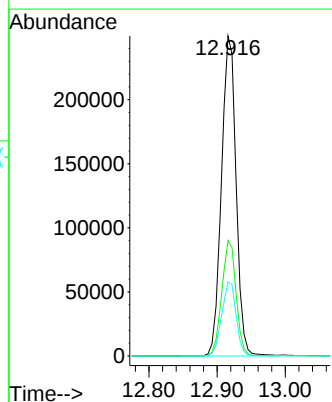
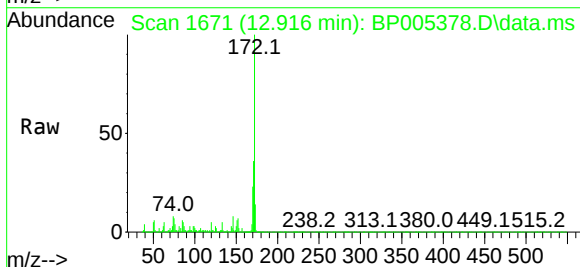
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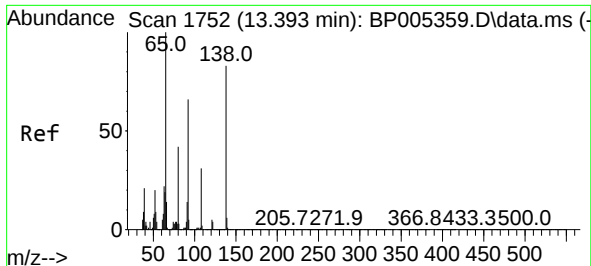
Tgt Ion:330 Resp: 125248
Ion Ratio Lower Upper
330 100
332 96.2 76.3 114.5
141 41.4 22.8 34.2#



#45
2-Fluorobiphenyl
Concen: 64.39 ng
RT: 12.916 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:172 Resp: 372743
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 23.1 19.6 29.4

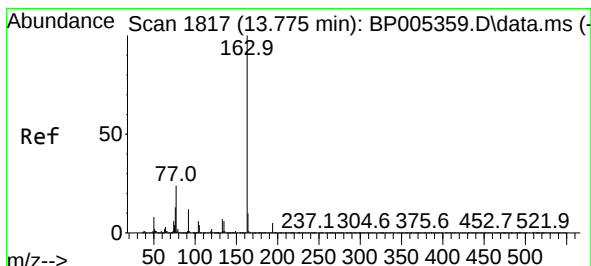
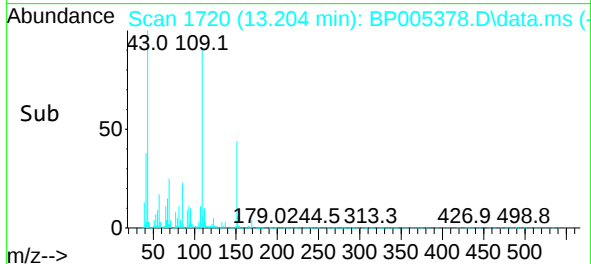
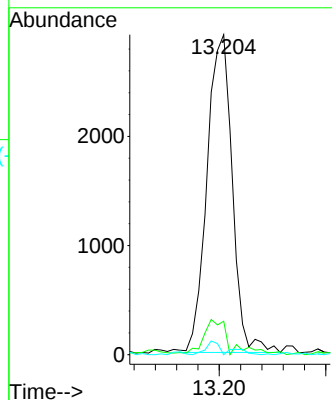
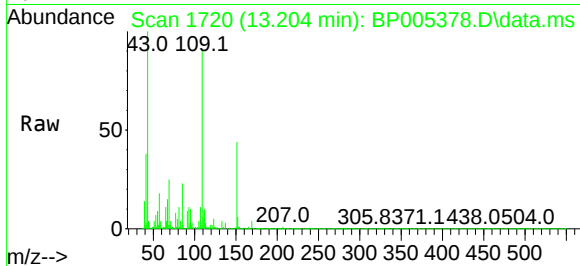




#48
2-Nitroaniline
Concen: 8.36 ng
RT: 13.204 min Scan# 1720
Delta R.T. -0.189 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

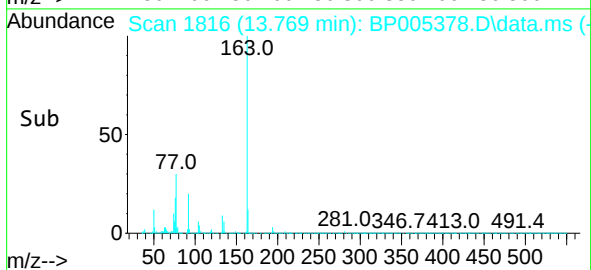
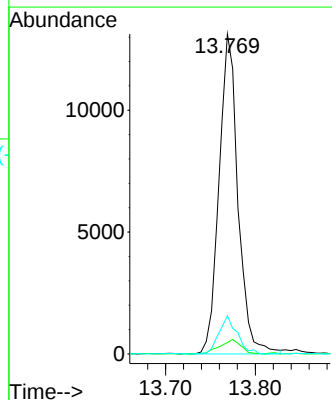
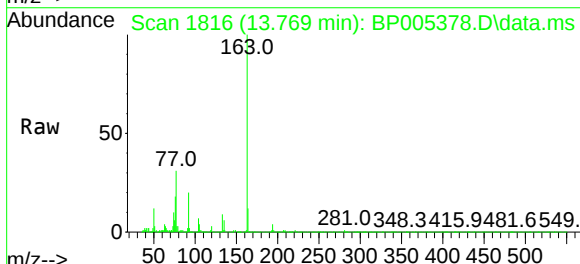
Instrument :
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M-1

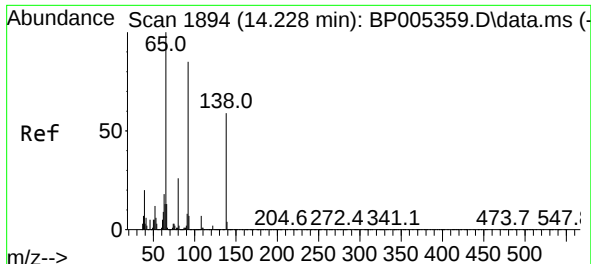
Tgt Ion: 65 Resp: 4795
Ion Ratio Lower Upper
65 100
92 10.5 48.8 73.2#
138 0.4 69.5 104.3#



#50
Dimethylphthalate
Concen: 3.55 ng
RT: 13.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion: 163 Resp: 19298
Ion Ratio Lower Upper
163 100
194 3.5 3.9 5.9#
164 11.9 8.1 12.1

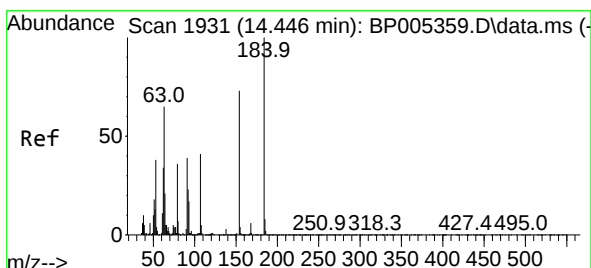
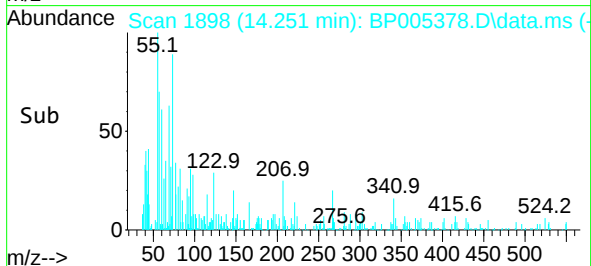
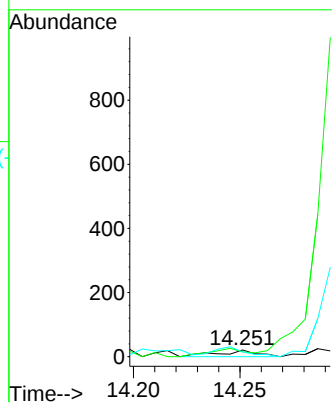
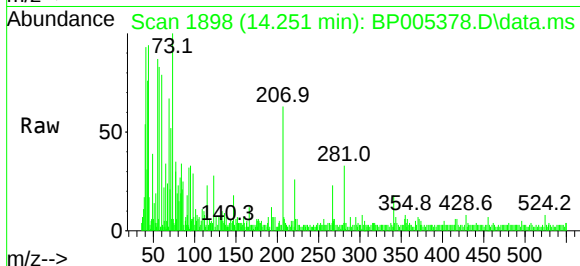




#53
3-Nitroaniline
Concen: 2.68 ng
RT: 14.251 min Scan# 1898
Delta R.T. 0.023 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

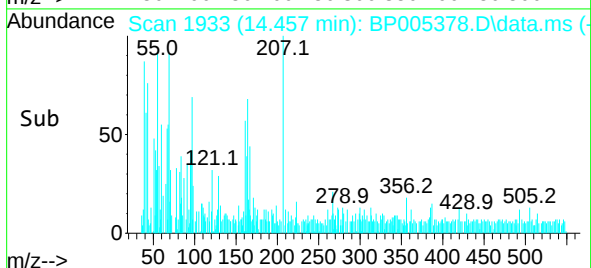
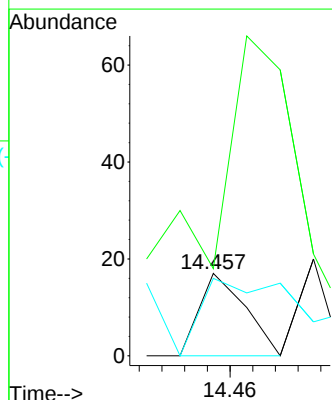
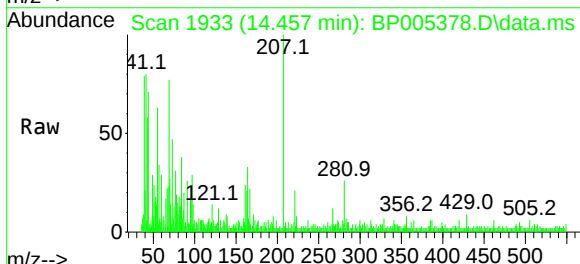
Instrument :
BNA_P
ClientSampled :
M-1

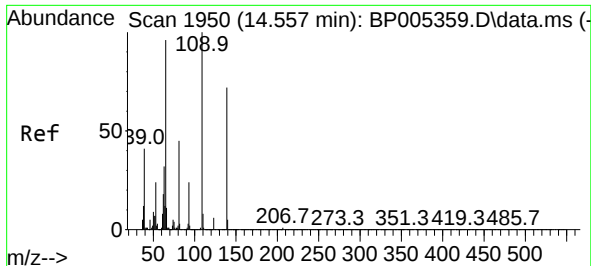
Tgt Ion:138 Resp: 26
Ion Ratio Lower Upper
138 100
108 71.4 10.2 15.4#
92 71.4 108.1 162.1#



#54
2,4-Dinitrophenol
Concen: 7.53 ng
RT: 14.457 min Scan# 1933
Delta R.T. 0.011 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:184 Resp: 10
Ion Ratio Lower Upper
184 100
63 105.9 51.2 76.8#
154 94.1 55.8 83.8#

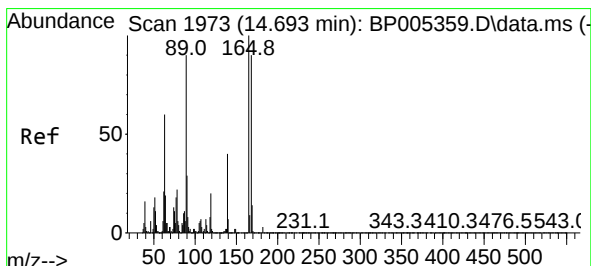
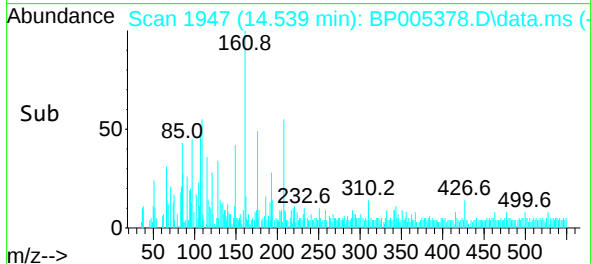
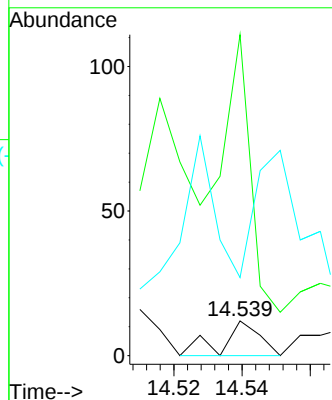
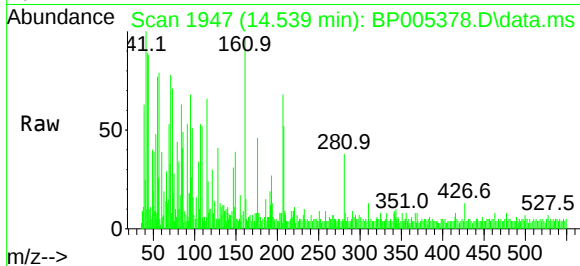




#56
4-Nitrophenol
Concen: 5.31 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

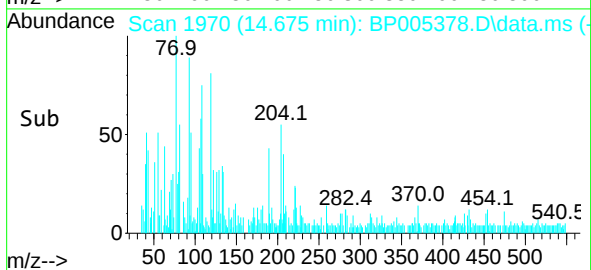
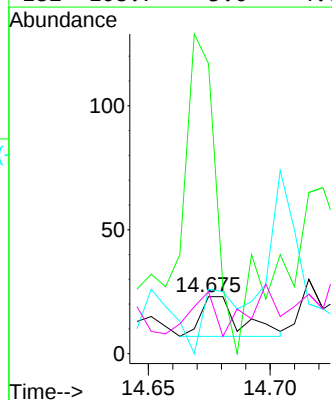
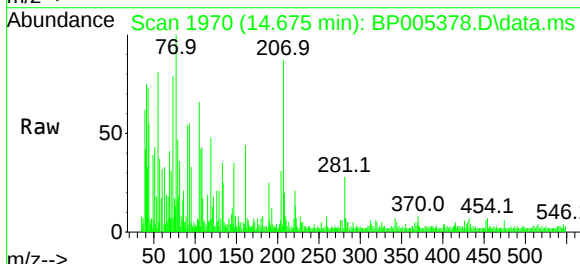
Instrument :
BNA_P
ClientSampled :
M-1

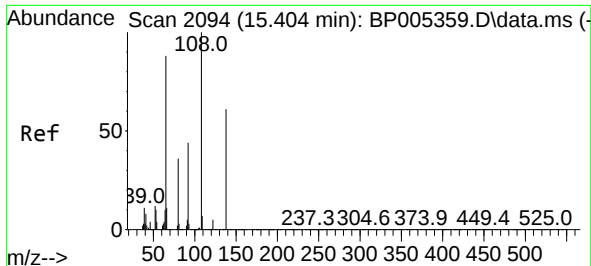
Tgt Ion:139 Resp: 9
Ion Ratio Lower Upper
139 100
109 925.0 122.8 162.8#
65 225.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 3.12 ng
RT: 14.675 min Scan# 1970
Delta R.T. -0.018 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:165 Resp: 18
Ion Ratio Lower Upper
165 100
63 508.7 56.7 85.1#
89 113.0 85.8 128.6
182 108.7 3.0 4.6#

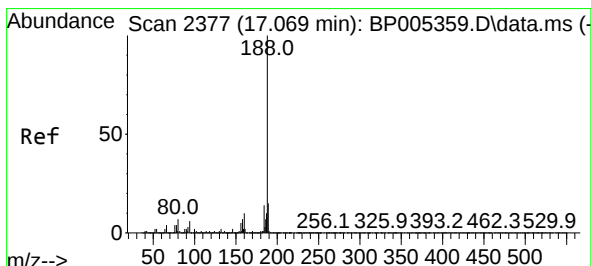
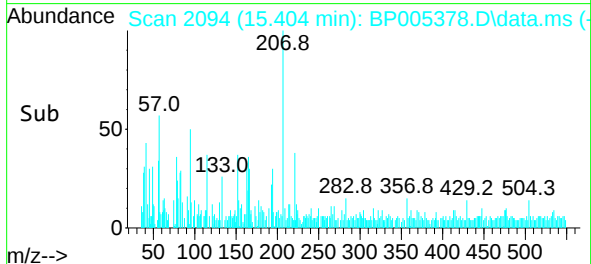
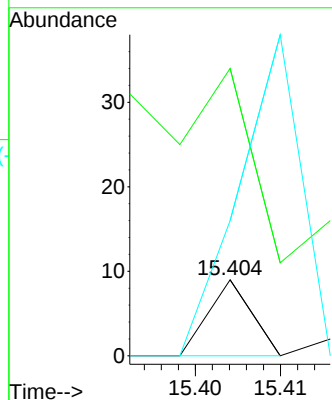
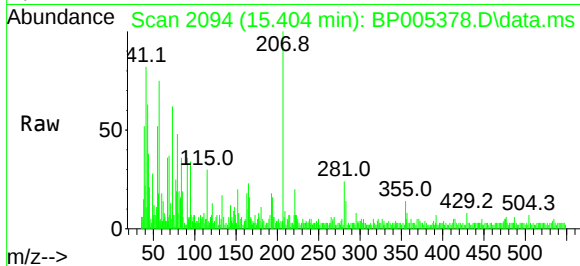




#62
4-Nitroaniline
Concen: 3.82 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

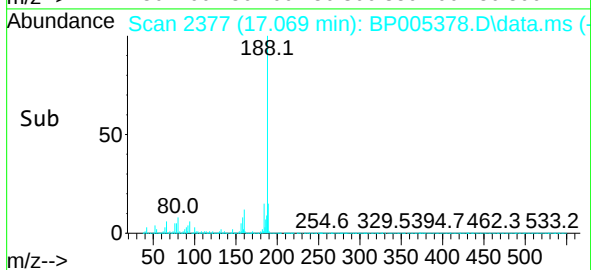
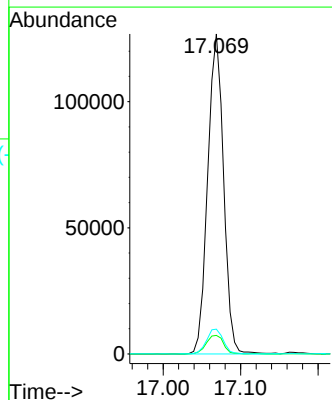
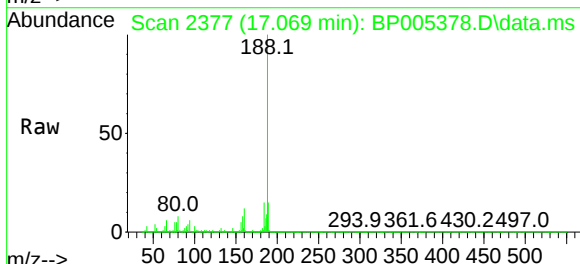
Instrument :
BNA_P
ClientSampled :
M-1

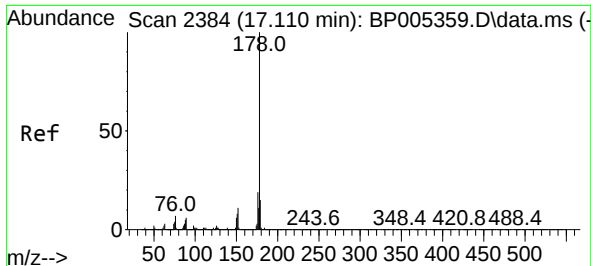
Tgt Ion:138 Resp: 3
Ion Ratio Lower Upper
138 100
92 377.8 50.9 90.9#
108 177.8 154.7 194.7



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.069 min Scan# 2377
Delta R.T. -0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:188 Resp: 180403
Ion Ratio Lower Upper
188 100
94 5.8 5.0 7.6
80 7.8 5.9 8.9

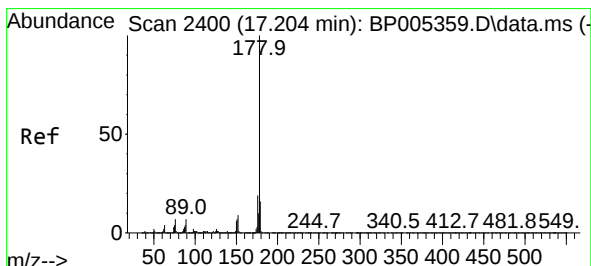
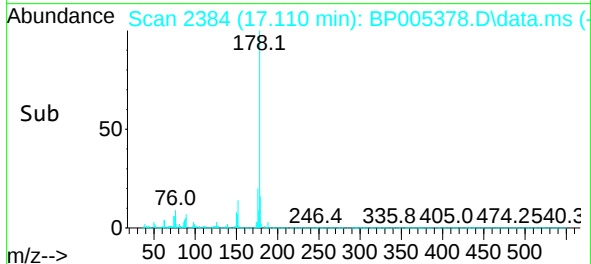
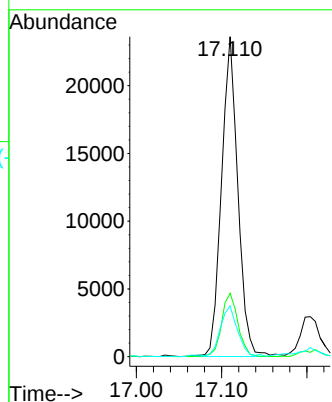
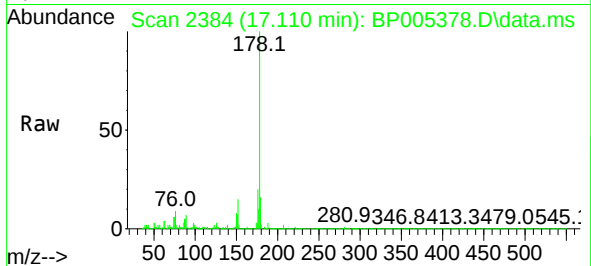




#71
Phenanthrene
Concen: 3.27 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

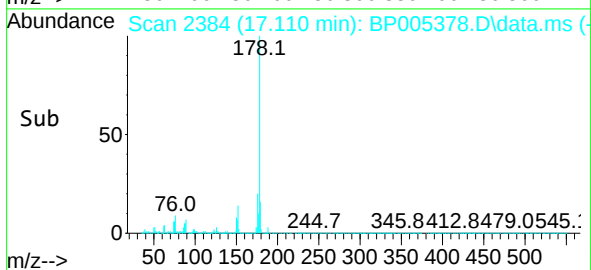
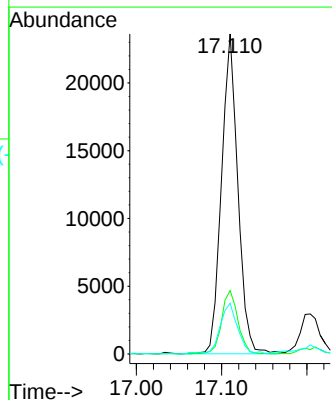
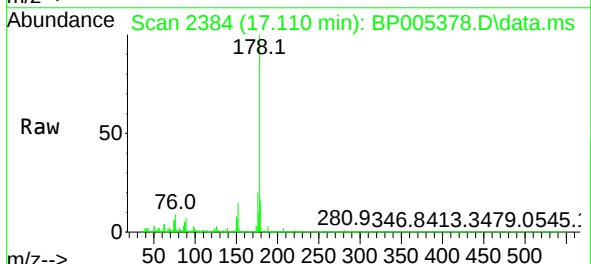
Instrument :
BNA_P
ClientSampleId :
M-1

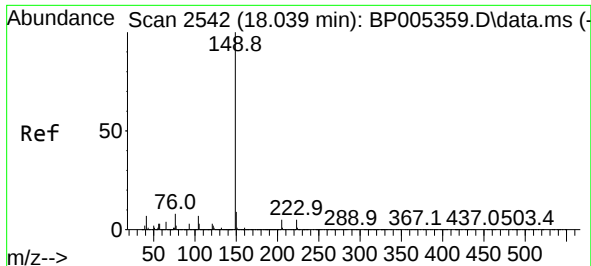
Tgt Ion:178	Resp:	31481
Ion Ratio	Lower	Upper
178	100	
176	19.8	15.4 23.2
179	15.8	12.3 18.5



#72
Anthracene
Concen: 3.36 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.094 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:178	Resp:	31481
Ion Ratio	Lower	Upper
178	100	
176	19.8	15.2 22.8
179	15.8	12.6 19.0

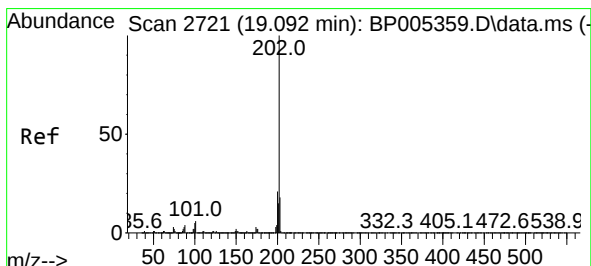
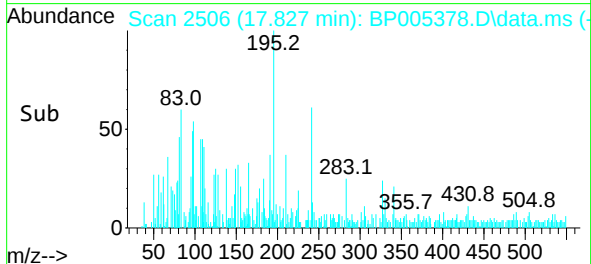
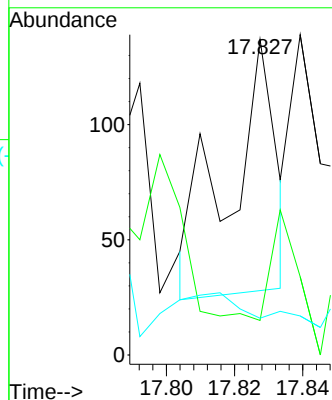
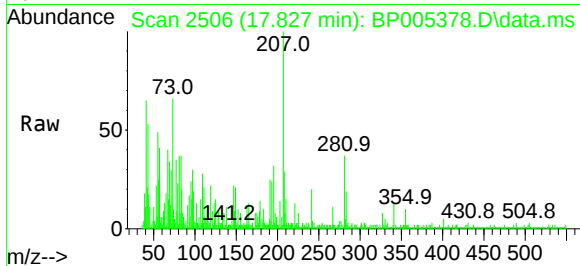




#74
Di-n-butylphthalate
Concen: 3.96 ng
RT: 17.827 min Scan# 2506
Delta R.T. -0.212 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

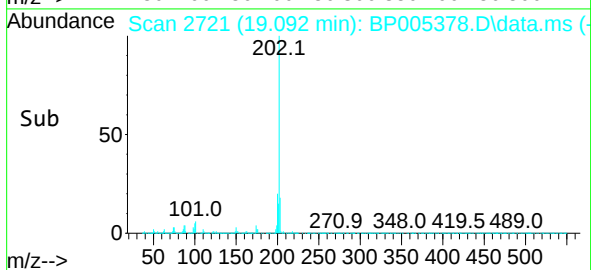
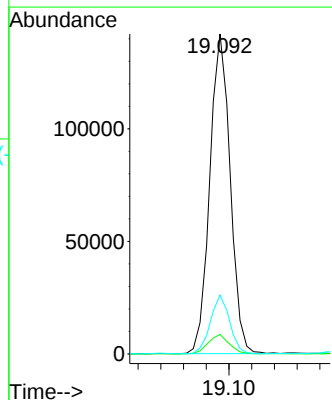
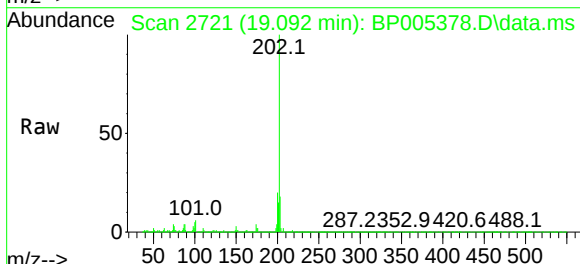
Instrument :
BNA_P
ClientSampled :
M-1

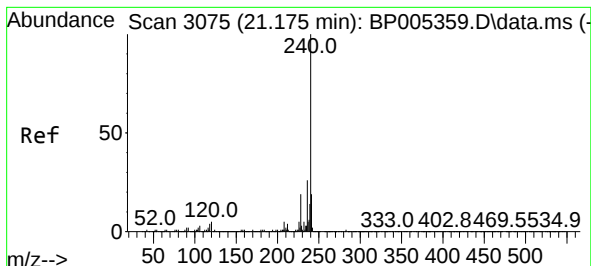
Tgt Ion:	149	Resp:	105
Ion	Ratio	Lower	Upper
149	100		
150	10.9	7.6	11.4
104	11.7	8.9	13.3



#75
Fluoranthene
Concen: 13.40 ng
RT: 19.092 min Scan# 2721
Delta R.T. -0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:	202	Resp:	176886
Ion	Ratio	Lower	Upper
202	100		
101	6.1	0.0	26.1
203	18.4	0.0	37.2

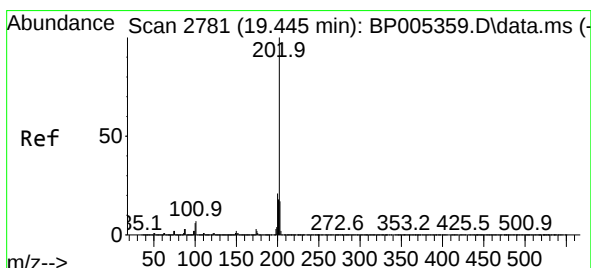
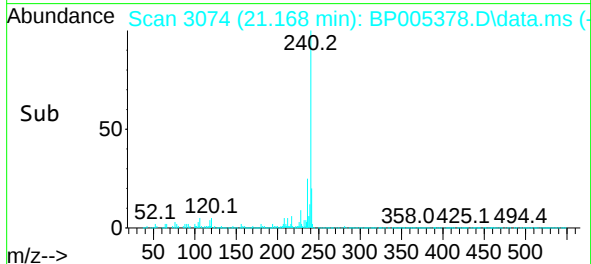
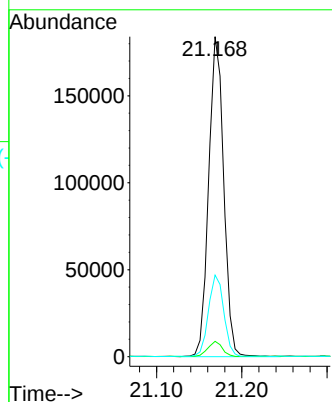
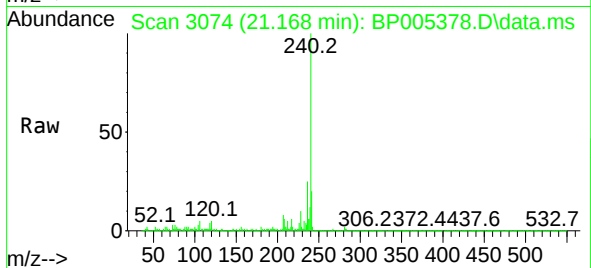




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.168 min Scan# 3074
Delta R.T. -0.007 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

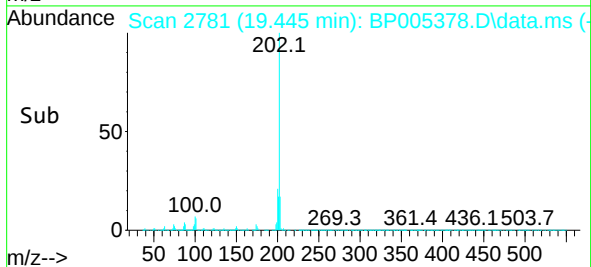
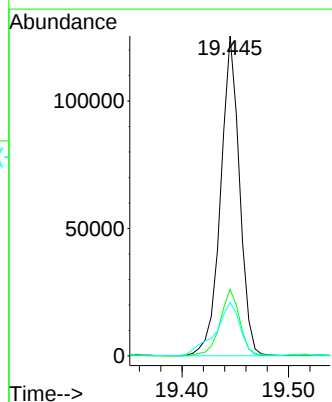
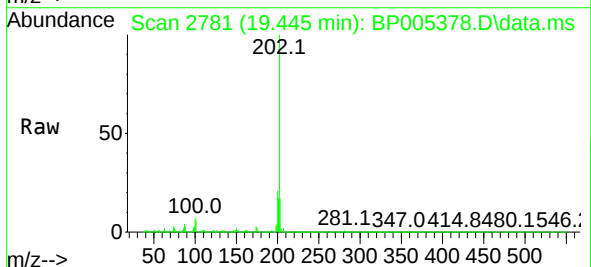
Instrument :
BNA_P
ClientSampleId :
M-1

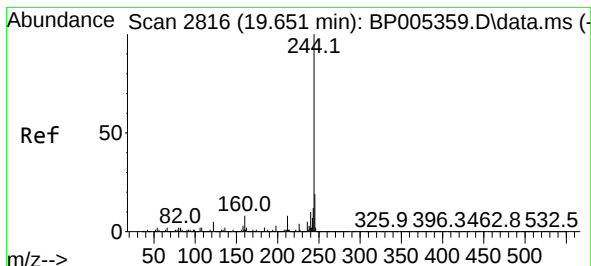
Tgt Ion:240 Resp: 225158
Ion Ratio Lower Upper
240 100
120 4.8 4.2 6.2
236 25.5 20.2 30.2



#78
Pyrene
Concen: 12.22 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:202 Resp: 154234
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 16.8 13.8 20.6





#79

Terphenyl-d14

Concen: 56.20 ng

RT: 19.645 min Scan# 2815

Delta R.T. -0.006 min

Lab File: BP005378.D

Acq: 22 Apr 2021 16:33

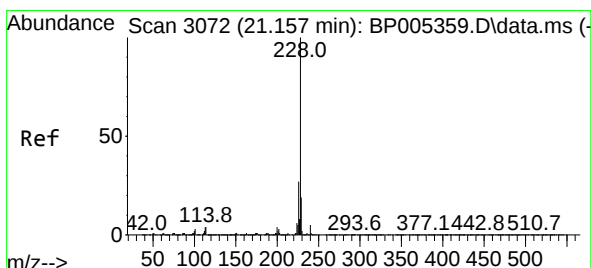
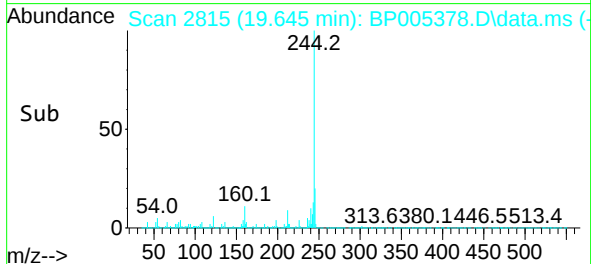
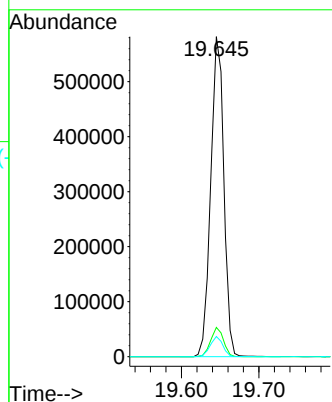
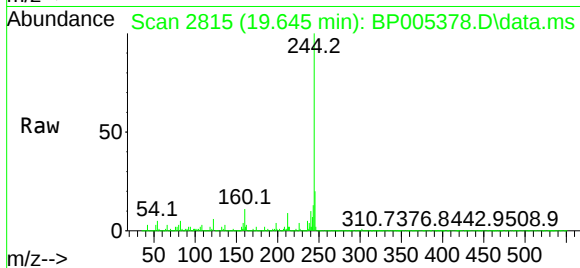
Instrument :

BNA_P

ClientSampleId :

M-1

Tgt Ion:244	Resp: 682867
Ion Ratio	Lower Upper
244 100	
212 9.1	5.8 8.6#
122 6.3	5.2 7.8



#81

Benzo(a)anthracene

Concen: 5.97 ng

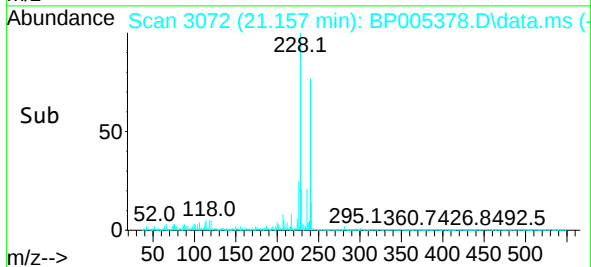
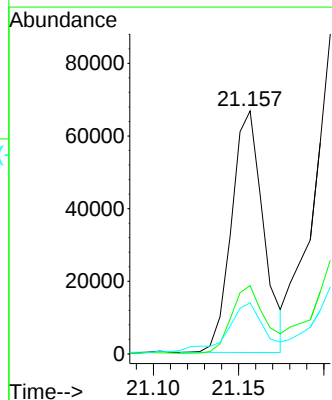
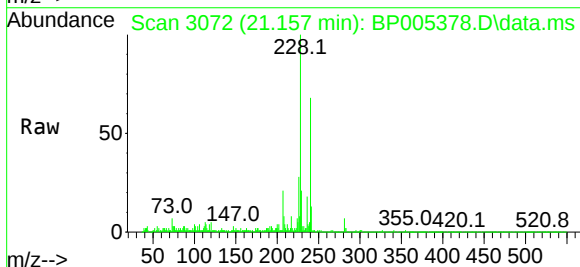
RT: 21.157 min Scan# 3072

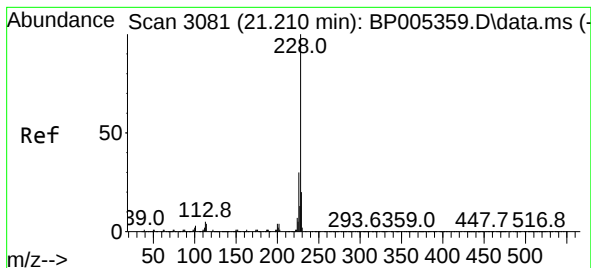
Delta R.T. -0.000 min

Lab File: BP005378.D

Acq: 22 Apr 2021 16:33

Tgt Ion:228	Resp: 86457
Ion Ratio	Lower Upper
228 100	
226 28.1	21.2 31.8
229 21.1	15.6 23.4





#83

Chrysene

Concen: 8.94 ng

RT: 21.204 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BP005378.D

Acq: 22 Apr 2021 16:33

Tgt Ion:228 Resp: 129087

Ion Ratio Lower Upper

228 100

226 29.3 24.8 37.2

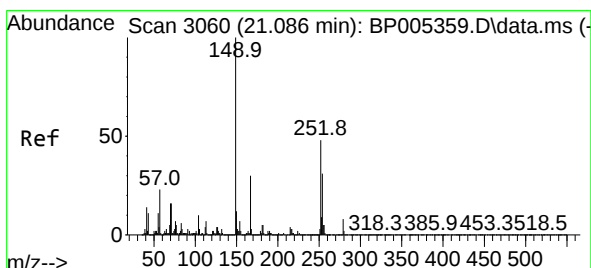
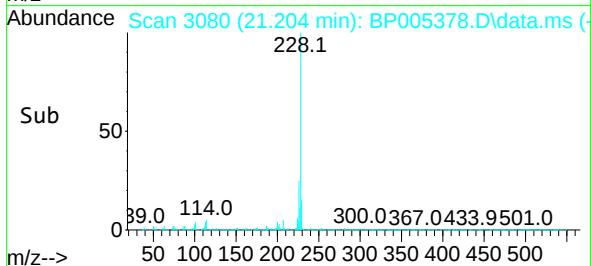
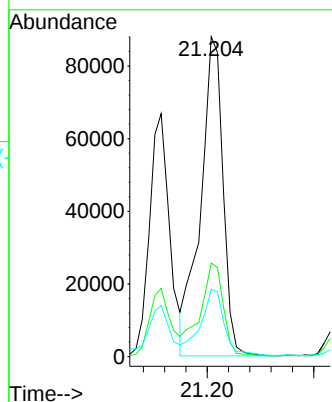
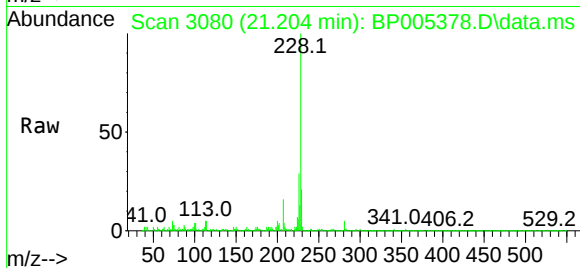
229 21.0 15.4 23.0

Instrument :

BNA_P

ClientSampleId :

M-1



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.43 ng

RT: 21.080 min Scan# 3059

Delta R.T. -0.006 min

Lab File: BP005378.D

Acq: 22 Apr 2021 16:33

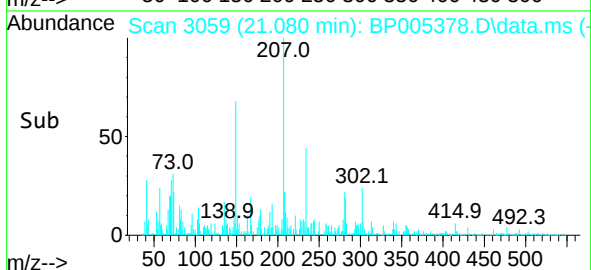
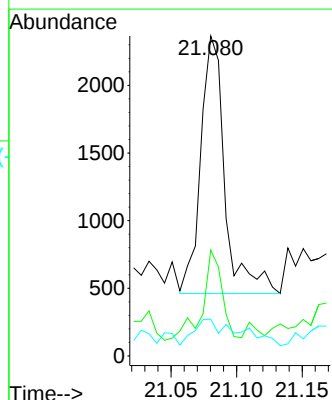
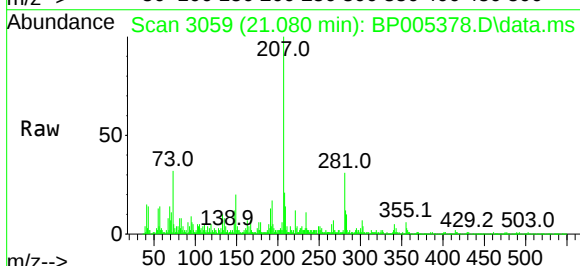
Tgt Ion:149 Resp: 2444

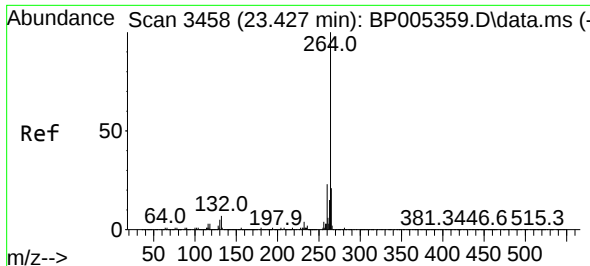
Ion Ratio Lower Upper

149 100

167 33.1 23.8 35.8

279 11.5 5.7 8.5#



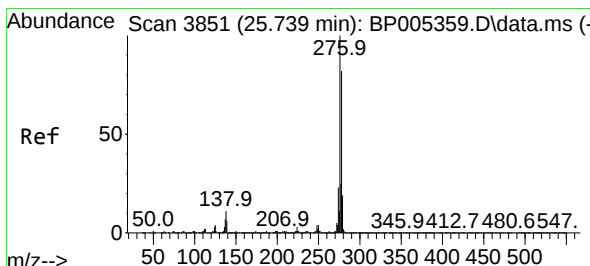
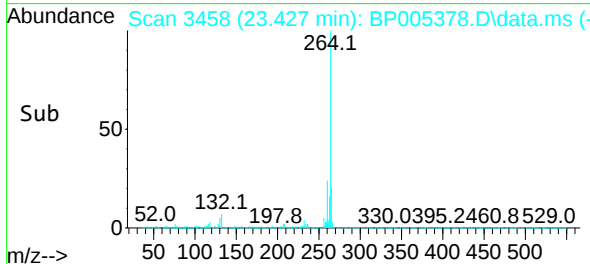
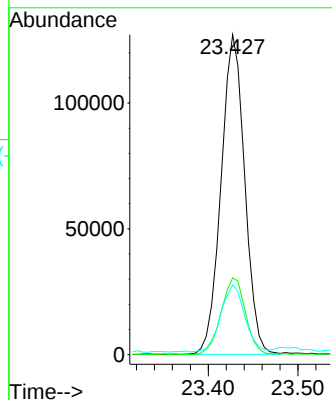
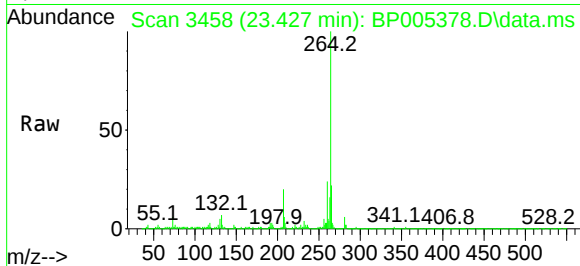


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.427 min Scan# 3458
Delta R.T. -0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Instrument :
BNA_P
ClientSampled :
M-1

Tgt Ion:264 Resp: 232218

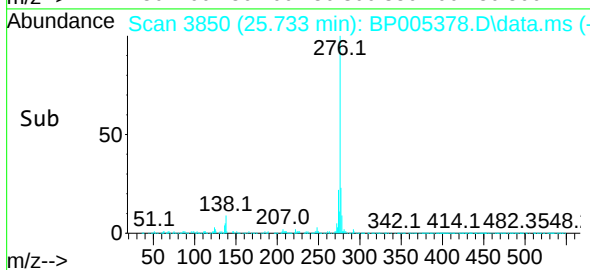
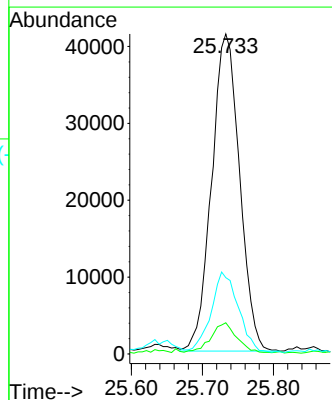
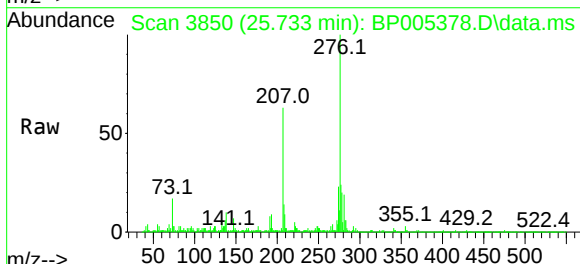
Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.6	30.8
265	21.8	19.0	28.6

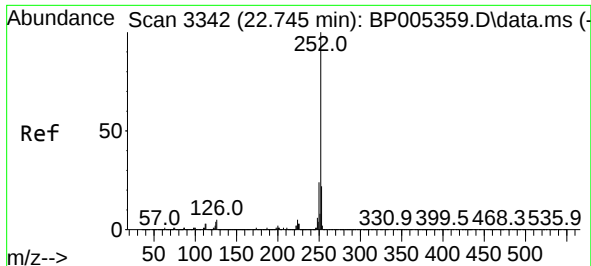


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.35 ng
RT: 25.733 min Scan# 3850
Delta R.T. -0.006 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:276 Resp: 112601

Ion	Ratio	Lower	Upper
276	100		
138	8.8	8.4	12.6
277	24.6	20.6	31.0

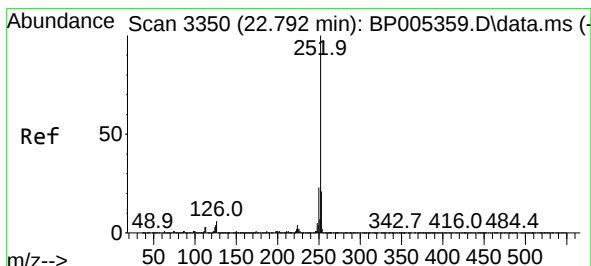
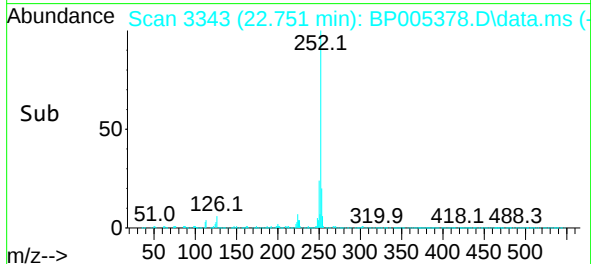
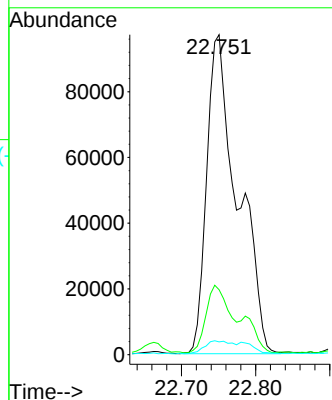
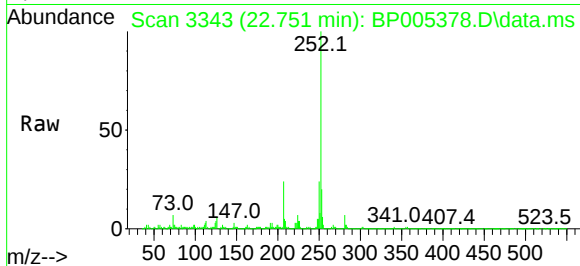




#88
Benzo(b)fluoranthene
Concen: 18.41 ng
RT: 22.751 min Scan# 3343
Delta R.T. 0.006 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

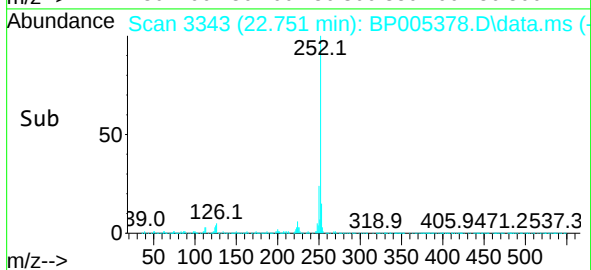
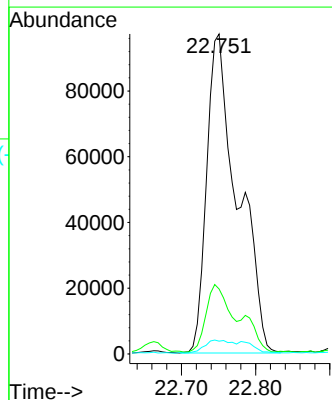
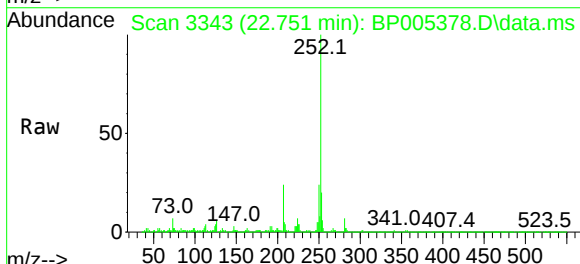
Instrument :
BNA_P
ClientSampled :
M-1

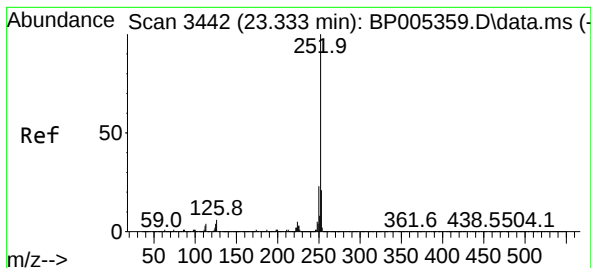
Tgt Ion:252 Resp: 281429
Ion Ratio Lower Upper
252 100
253 20.3 18.2 27.2
125 4.0 3.4 5.0



#89
Benzo(k)fluoranthene
Concen: 18.75 ng
RT: 22.751 min Scan# 3343
Delta R.T. -0.041 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:252 Resp: 281429
Ion Ratio Lower Upper
252 100
253 20.3 17.2 25.8
125 4.0 3.8 5.6

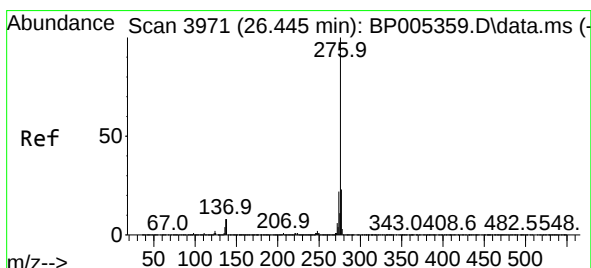
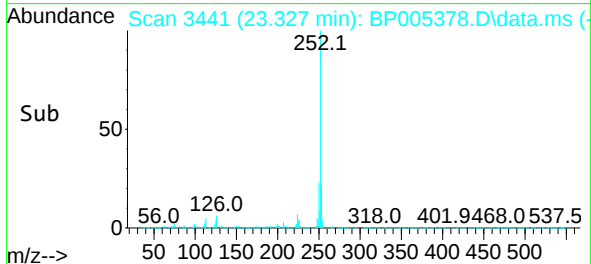
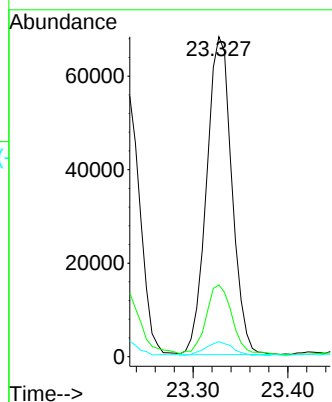
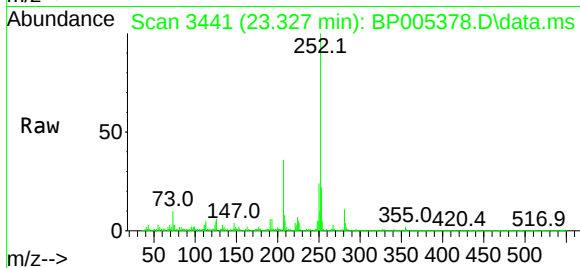




#90
Benzo(a)pyrene
Concen: 9.04 ng
RT: 23.327 min Scan# 3441
Delta R.T. -0.006 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Instrument :
BNA_P
ClientSampleId :
M-1

Tgt Ion:252 Resp: 125981
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 4.7 3.8 5.6



#92
Benzo(g,h,i)perylene
Concen: 8.00 ng
RT: 26.445 min Scan# 3971
Delta R.T. -0.000 min
Lab File: BP005378.D
Acq: 22 Apr 2021 16:33

Tgt Ion:276 Resp: 115193
Ion Ratio Lower Upper
276 100
277 27.1 19.8 29.8
138 9.7 7.7 11.5

