

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042321\
 Data File : BP005403.D
 Acq On : 23 Apr 2021 20:30
 Operator : CG/JU
 Sample : M2020-04DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 105-SB-2(S)DL

Quant Time: Apr 23 23:38:49 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)

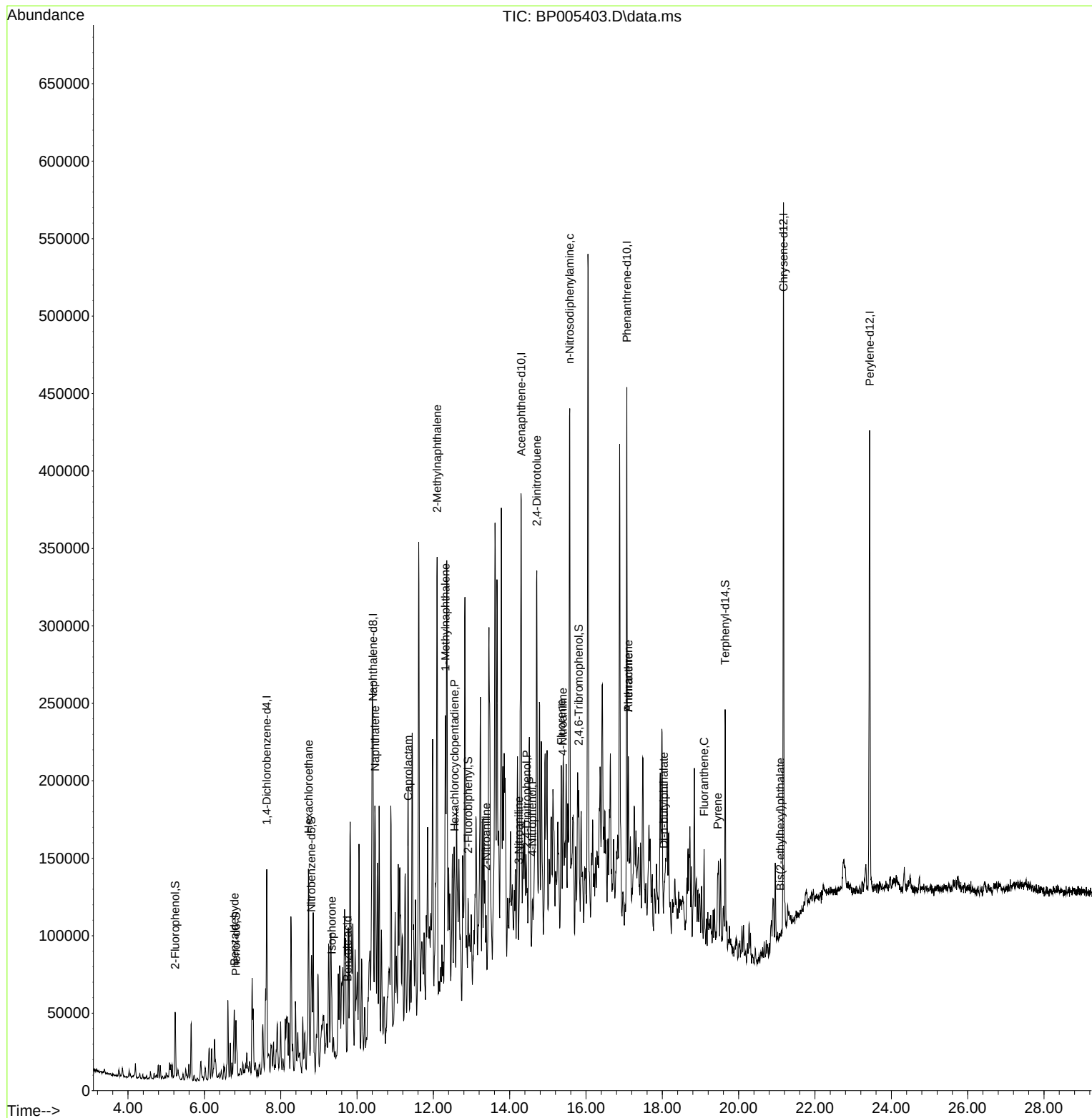
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	24051	20.00	ng	#-0.01
21) Naphthalene-d8	10.422	136	89627	20.00	ng	#-0.01
39) Acenaphthene-d10	14.304	164	63421	20.00	ng	0.00
64) Phenanthrene-d10	17.069	188	149166	20.00	ng	0.00
76) Chrysene-d12	21.174	240	192975	20.00	ng	0.00
86) Perylene-d12	23.433	264	201476	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.240	112	12086	8.73	ng	0.00
7) Phenol-d6	6.828	99	16056	8.42	ng	0.00
23) Nitrobenzene-d5	8.805	82	14894	7.23	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	7333	6.04	ng	0.00
45) 2-Fluorobiphenyl	12.910	172	24956	5.09	ng	0.00
79) Terphenyl-d14	19.645	244	52439	5.04	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.787	77	2234	2.00	ng	# 1
18) Hexachloroethane	8.734	117	10590	15.84	ng	# 1
25) Isophorone	9.340	82	3564	3.80	ng	# 1
31) Naphthalene	10.475	128	39586	8.37	ng	# 90
32) Benzoic acid	9.752	122	30	7.77	ng	# 1
35) Caprolactam	11.346	113	1188	2.66	ng	# 1
37) 2-Methylnaphthalene	12.098	142	99378	28.70	ng	# 92
38) 1-Methylnaphthalene	12.316	142	57359	17.34	ng	96
41) Hexachlorocyclopentadiene	12.557	237	9	6.97	ng	75
48) 2-Nitroaniline	13.387	65	1191	6.30	ng	# 47
53) 3-Nitroaniline	14.245	138	98	2.75	ng	# 80
54) 2,4-Dinitrophenol	14.451	184	52	7.59	ng	# 1
56) 4-Nitrophenol	14.592	139	1260	6.86	ng	# 78
57) 2,4-Dinitrotoluene	14.710	165	3111	4.97	ng	# 50
58) Fluorene	15.357	166	13865	2.84	ng	# 89
62) 4-Nitroaniline	15.392	138	355	4.18	ng	# 1
66) n-Nitrosodiphenylamine	15.575	169	21396	5.25	ng	# 46
71) Phenanthrene	17.110	178	45162	5.68	ng	97
72) Anthracene	17.110	178	45162	5.83	ng	97
74) Di-n-butylphthalate	18.039	149	471	4.00	ng	# 56
75) Fluoranthene	19.098	202	22167	2.03	ng	98
78) Pyrene	19.451	202	28617	2.64	ng	# 95
84) Bis(2-ethylhexyl)phtha...	21.092	149	1571	3.32	ng	# 80

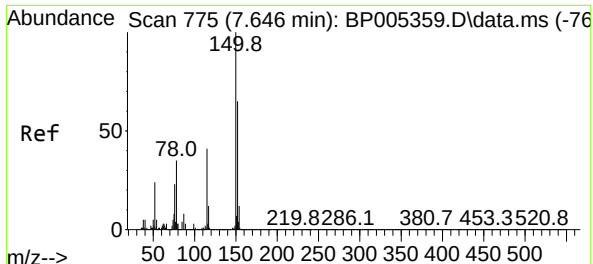
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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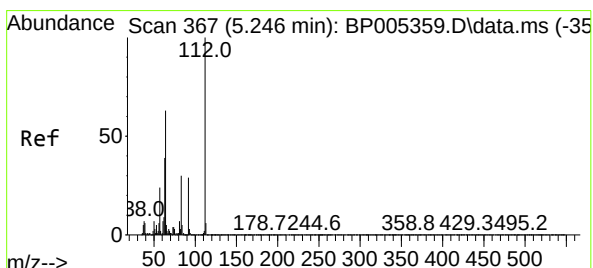
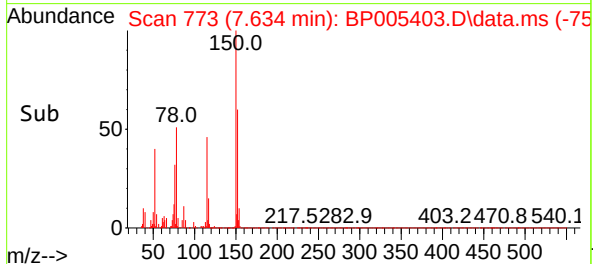
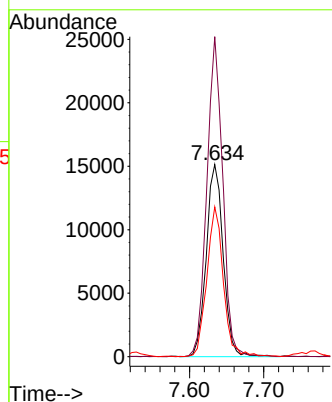
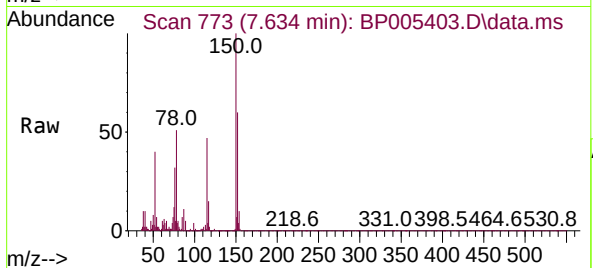




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.634 min Scan# 773
Delta R.T. -0.012 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

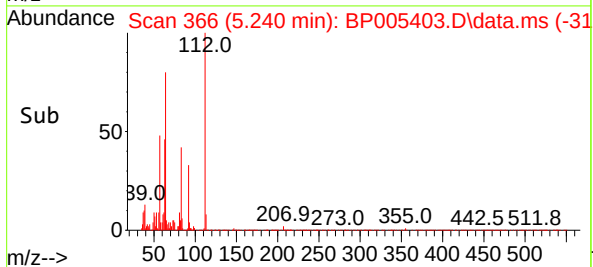
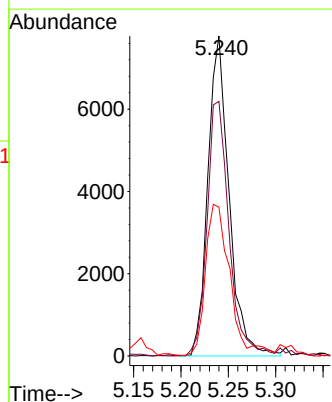
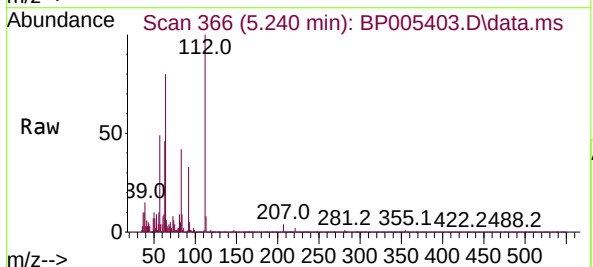
Instrument :
BNA_P
ClientSampleId :
105-SB-2(S)DL

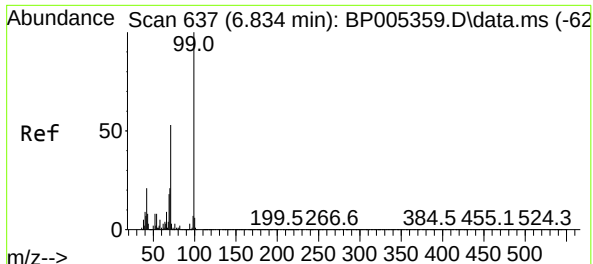
Tgt Ion:152 Resp: 24051
Ion Ratio Lower Upper
152 100
150 166.6 119.8 179.8
115 77.9 49.0 73.4#



#5
2-Fluorophenol
Concen: 8.73 ng
RT: 5.240 min Scan# 366
Delta R.T. -0.006 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:112 Resp: 12086
Ion Ratio Lower Upper
112 100
64 79.5 33.6 50.4#
63 46.5 18.6 27.8#

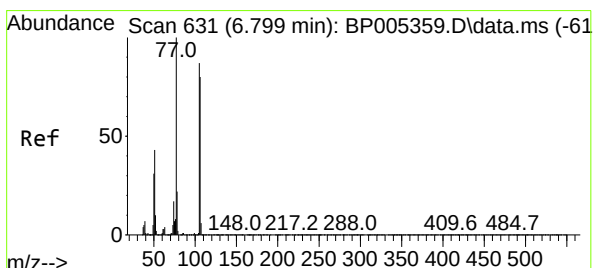
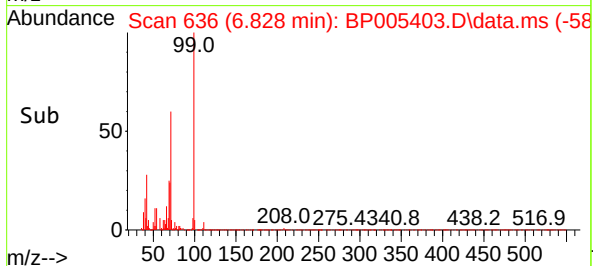
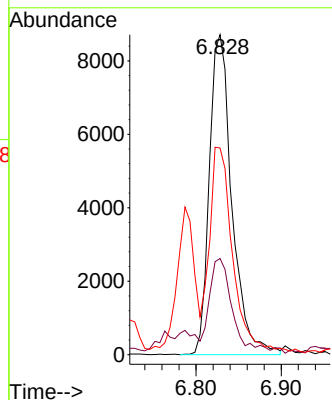
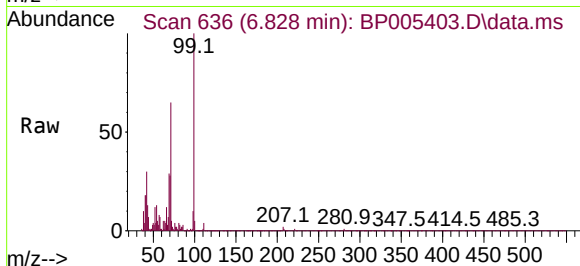




#7
Phenol-d6
Concen: 8.42 ng
RT: 6.828 min Scan# 636
Delta R.T. -0.006 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

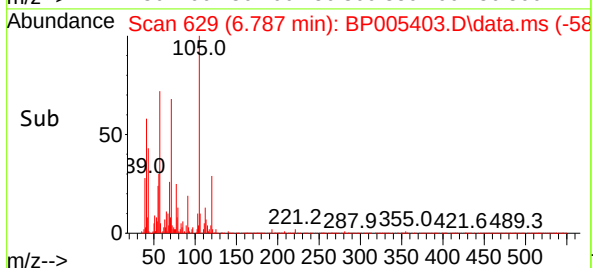
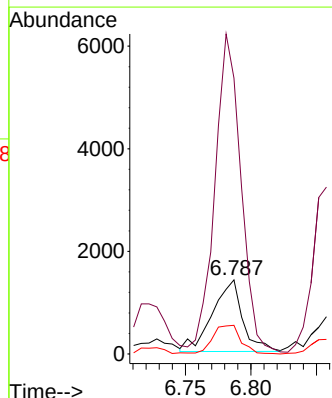
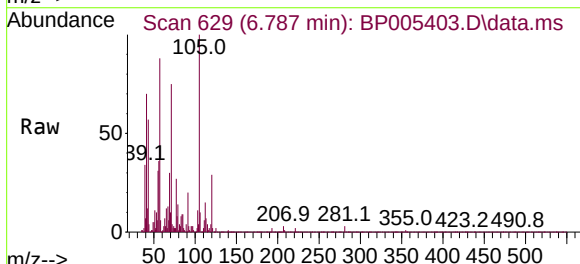
Instrument :
BNA_P
ClientSampleId :
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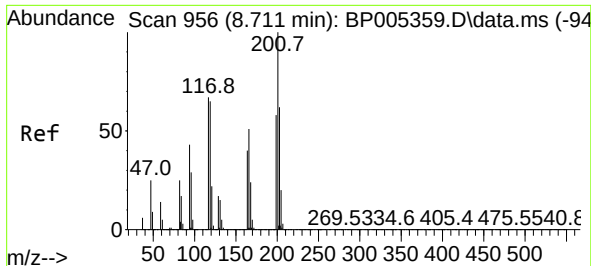
Tgt Ion: 99 Resp: 16056
Ion Ratio Lower Upper
99 100
42 30.1 12.9 19.3#
71 64.6 26.7 40.1#



#9
Benzaldehyde
Concen: 2.00 ng
RT: 6.787 min Scan# 629
Delta R.T. -0.012 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion: 77 Resp: 2234
Ion Ratio Lower Upper
77 100
105 372.4 89.4 129.4#
106 38.8 79.9 119.9#

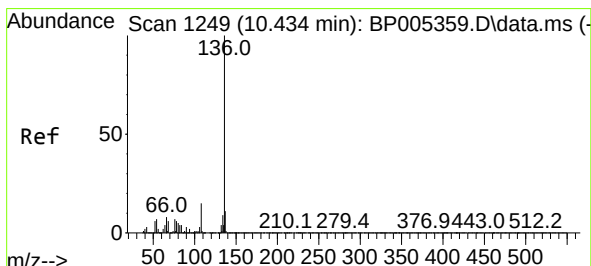
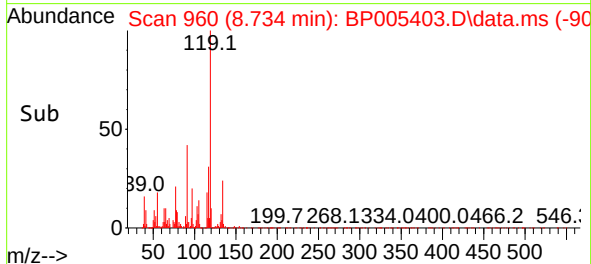
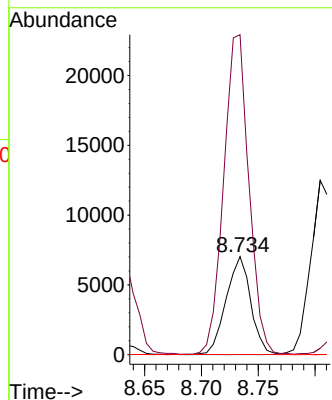
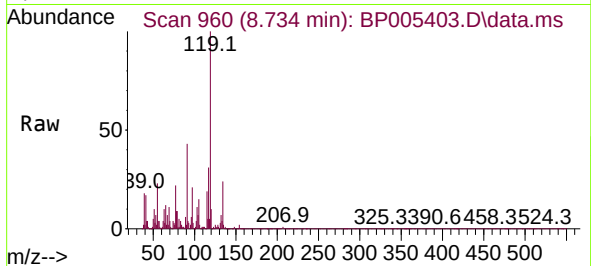




#18
Hexachloroethane
Concen: 15.84 ng
RT: 8.734 min Scan# 960
Delta R.T. 0.023 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

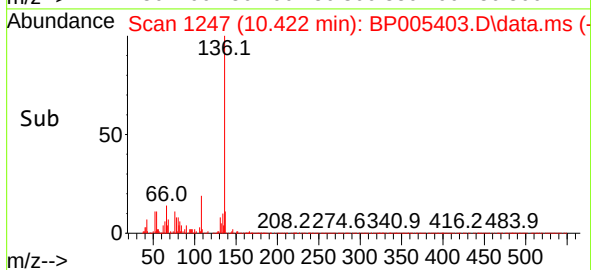
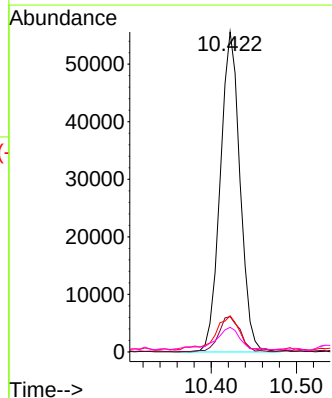
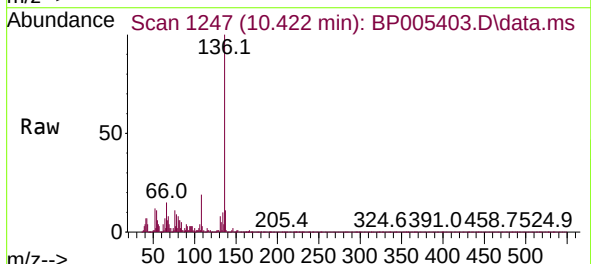
Instrument :
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ClientSampleId :
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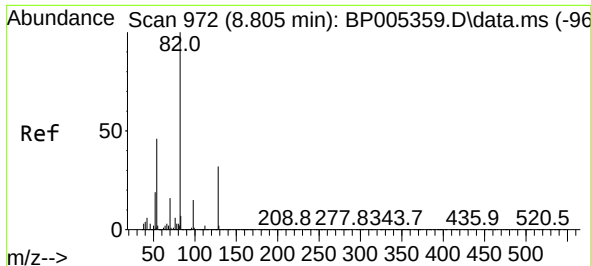
Tgt Ion:117 Resp: 10590
Ion Ratio Lower Upper
117 100
119 326.4 80.1 120.1#
201 0.1 98.8 148.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:136 Resp: 89627
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 11.3 5.0 7.4#
68 7.7 3.7 5.5#

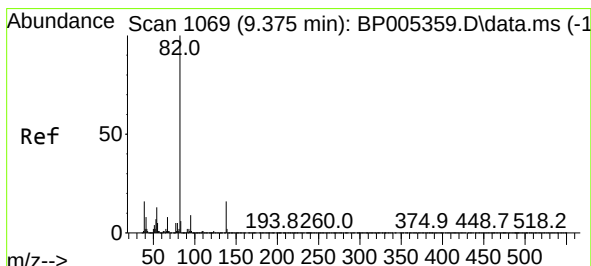
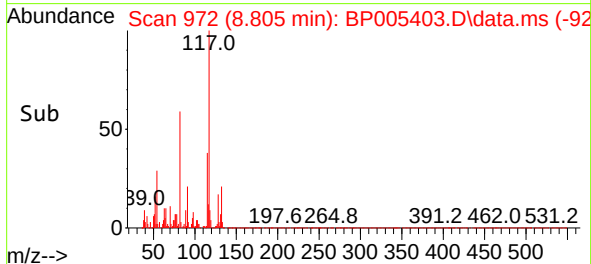
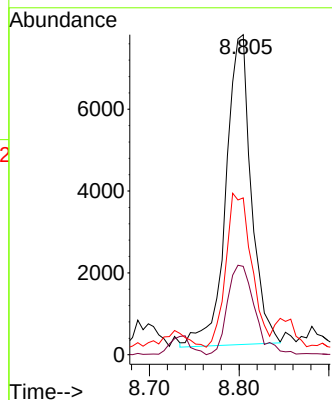
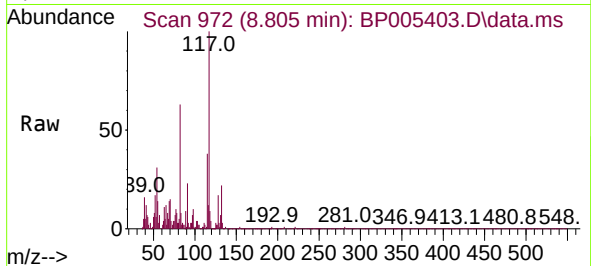




#23
Nitrobenzene-d5
Concen: 7.23 ng
RT: 8.805 min Scan# 972
Delta R.T. -0.000 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

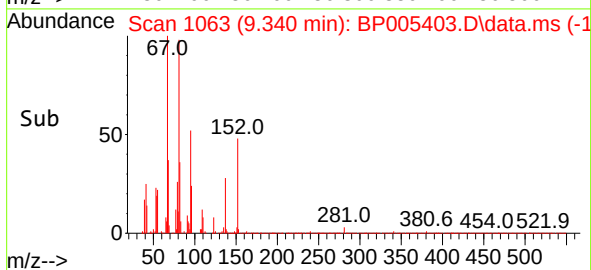
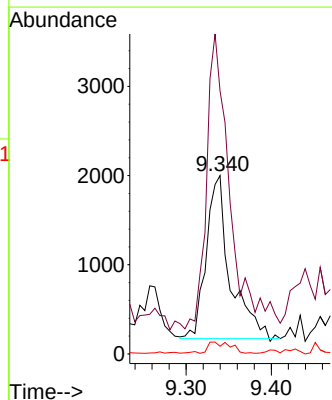
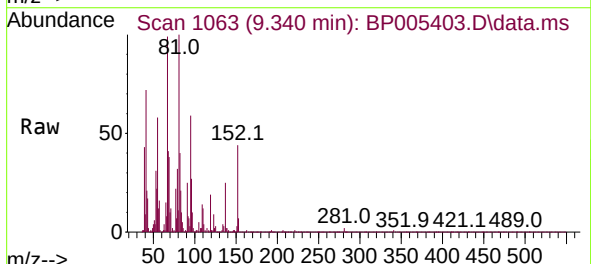
Instrument :
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ClientSampleId :
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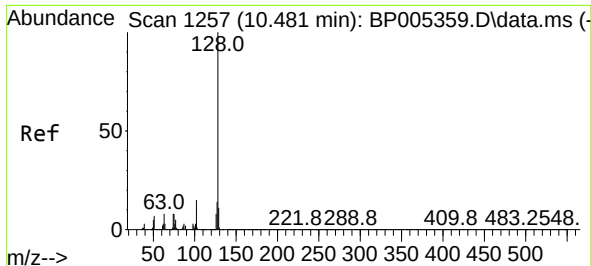
Tgt Ion: 82 Resp: 14894
Ion Ratio Lower Upper
82 100
128 27.6 30.5 45.7#
54 49.0 33.9 50.9



#25
Isophorone
Concen: 3.80 ng
RT: 9.340 min Scan# 1063
Delta R.T. -0.035 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion: 82 Resp: 3564
Ion Ratio Lower Upper
82 100
95 147.5 7.5 11.3#
138 4.3 14.6 22.0#

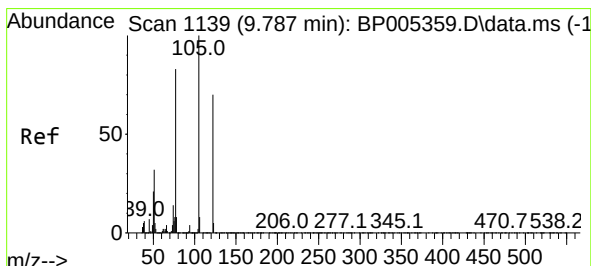
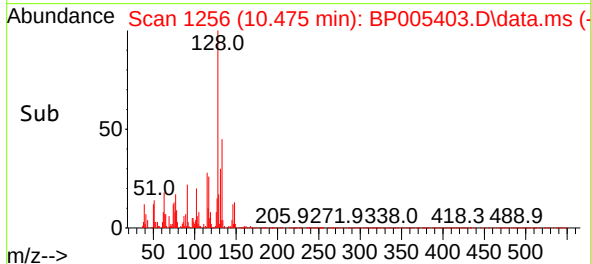
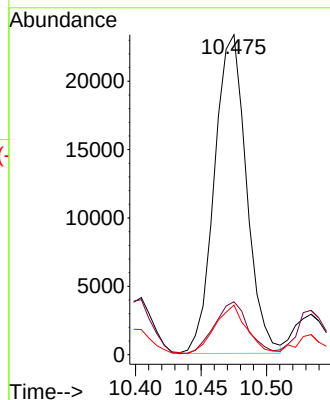
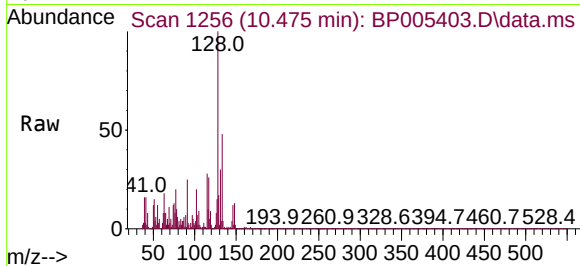




#31
Naphthalene
Concen: 8.37 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

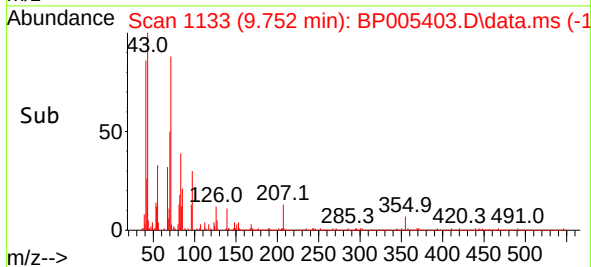
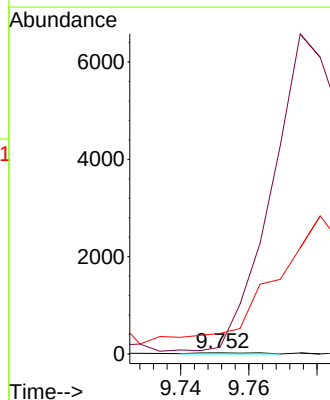
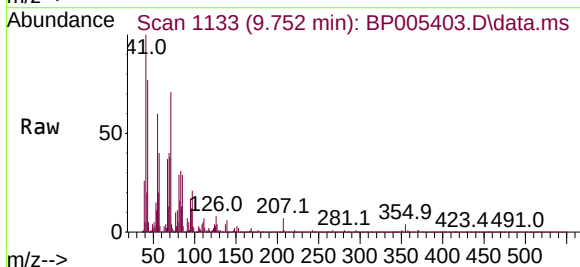
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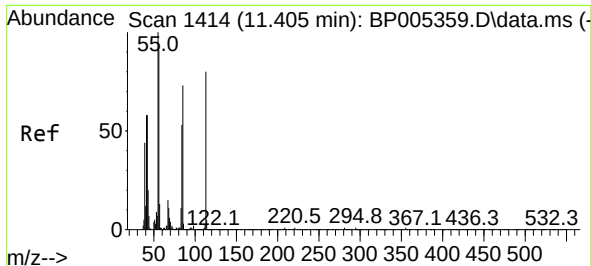
Tgt Ion:128 Resp: 39586
Ion Ratio Lower Upper
128 100
129 16.6 8.0 12.0#
127 15.5 11.1 16.7



#32
Benzoic acid
Concen: 7.77 ng
RT: 9.752 min Scan# 1133
Delta R.T. -0.035 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:122 Resp: 30
Ion Ratio Lower Upper
122 100
105 575.0 105.1 145.1#
77 1754.2 69.6 109.6#

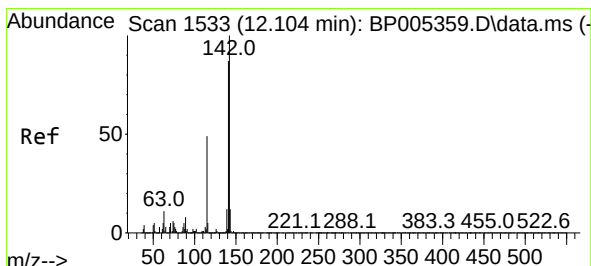
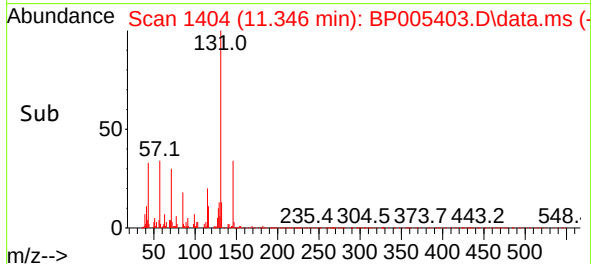
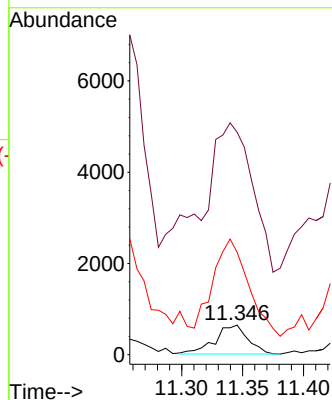
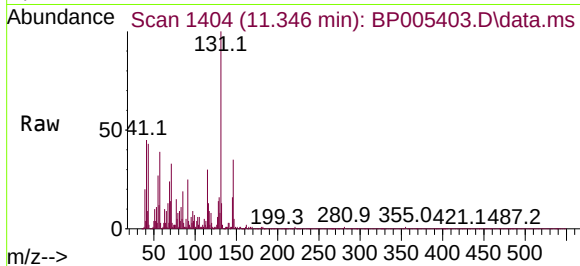




#35
Caprolactam
Concen: 2.66 ng
RT: 11.346 min Scan# 1404
Delta R.T. -0.059 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

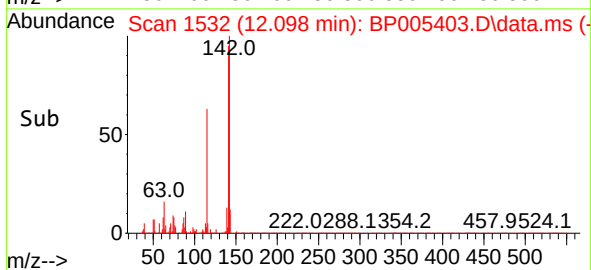
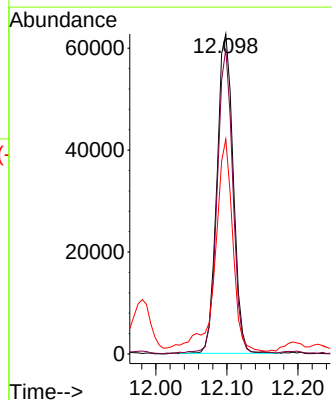
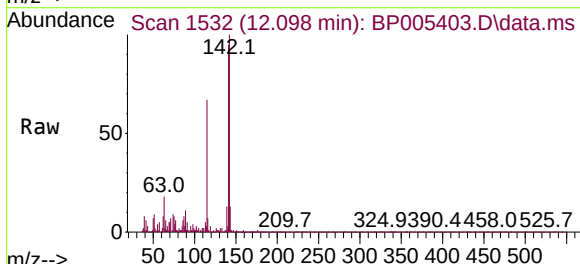
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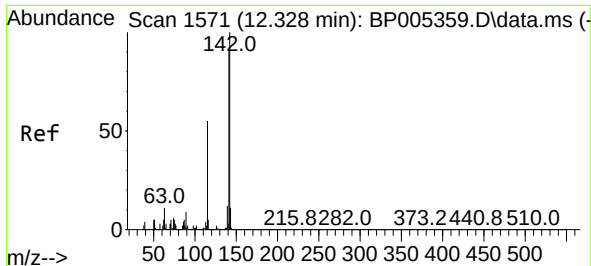
Tgt Ion:113 Resp: 1188
Ion Ratio Lower Upper
113 100
55 750.0 72.0 112.0#
56 345.2 65.1 105.1#



#37
2-Methylnaphthalene
Concen: 28.70 ng
RT: 12.098 min Scan# 1532
Delta R.T. -0.006 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:142 Resp: 99378
Ion Ratio Lower Upper
142 100
141 95.4 74.7 112.1
115 67.1 43.8 65.8#

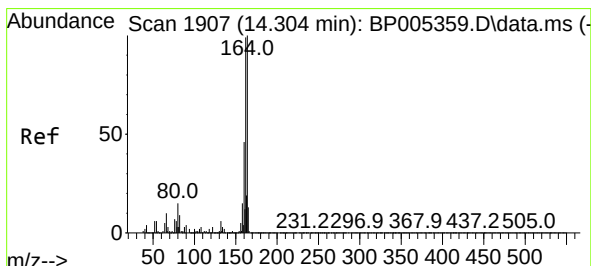
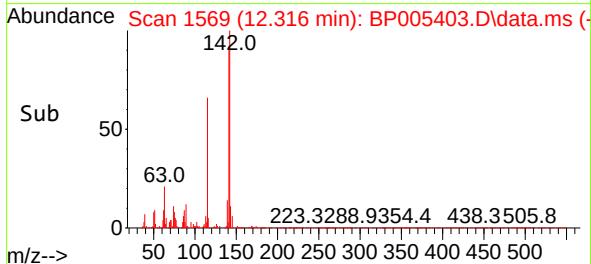
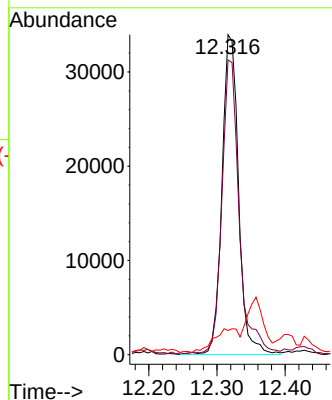
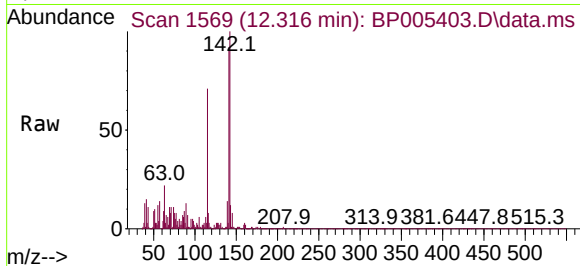




#38
1-Methylnaphthalene
Concen: 17.34 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

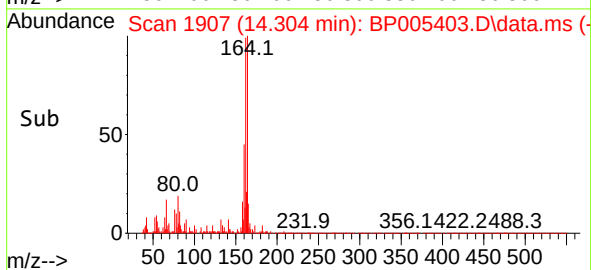
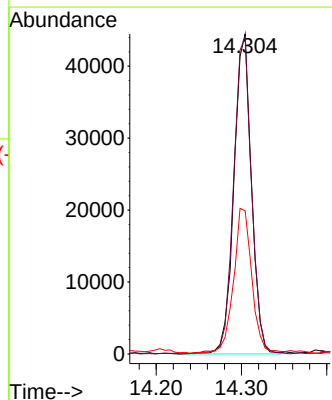
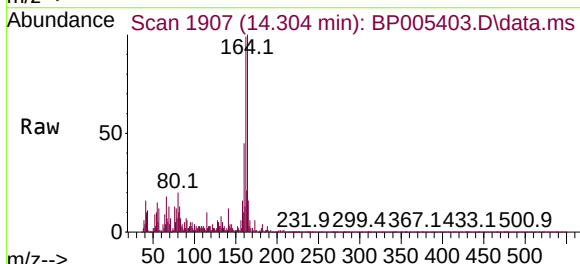
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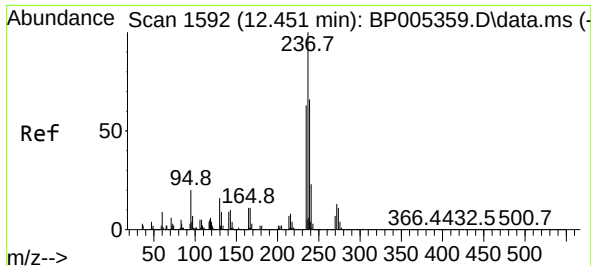
Tgt Ion:142 Resp: 57359
Ion Ratio Lower Upper
142 100
141 92.1 77.0 115.6
116 7.6 5.0 7.6



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1907
Delta R.T. 0.000 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:164 Resp: 63421
Ion Ratio Lower Upper
164 100
162 99.1 73.5 110.3
160 44.7 40.6 61.0

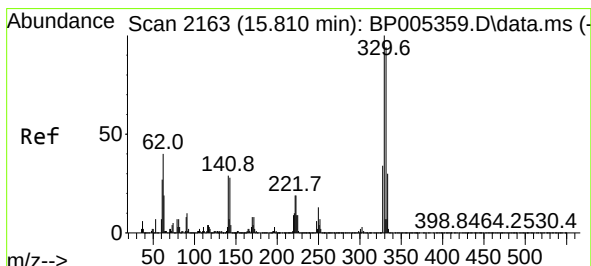
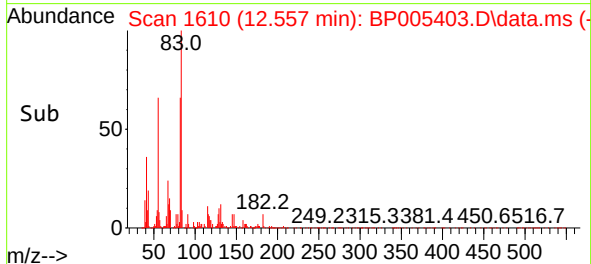
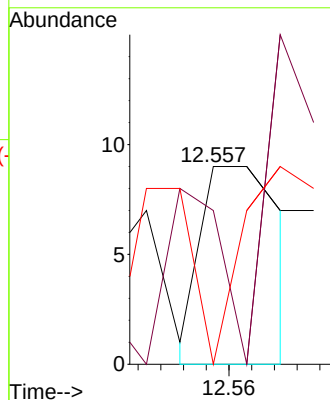
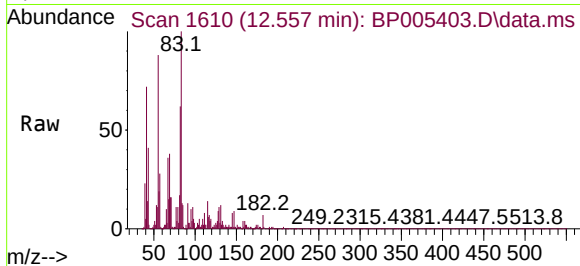




#41
Hexachlorocyclopentadiene
Concen: 6.97 ng
RT: 12.557 min Scan# 1610
Delta R.T. 0.106 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

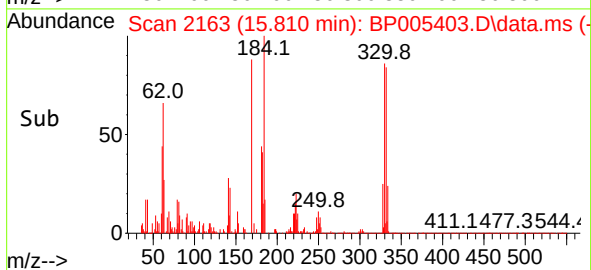
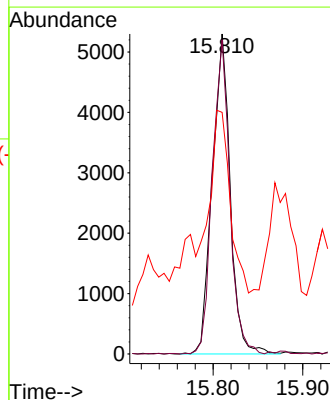
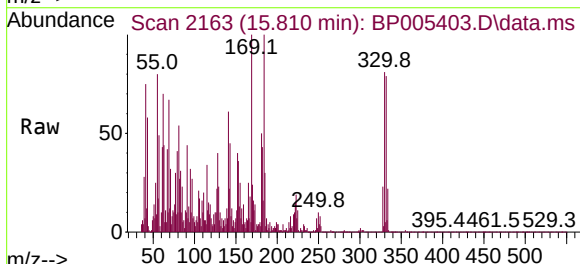
Instrument :
BNA_P
ClientSampleId :
105-SB-2(S)DL

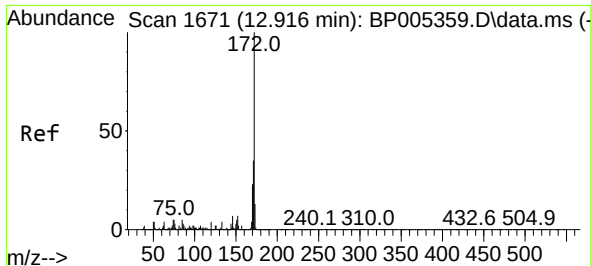
Tgt Ion:237	Resp:	9
Ion Ratio	Lower	Upper
237	100	
235	77.8	40.9 80.9
272	0.0	0.0 34.6



#42
2,4,6-Tribromophenol
Concen: 6.04 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:330	Resp:	7333
Ion Ratio	Lower	Upper
330	100	
332	96.2	76.3 114.5
141	66.4	22.8 34.2#

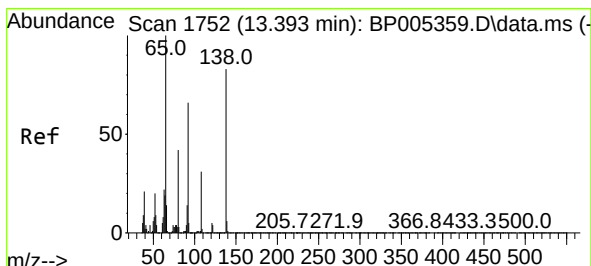
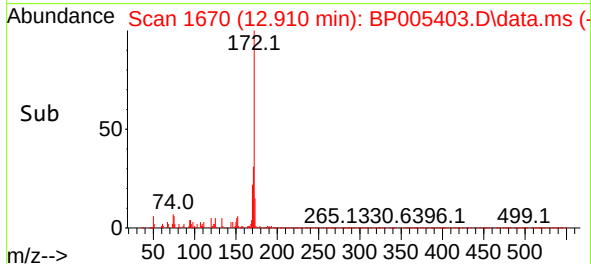
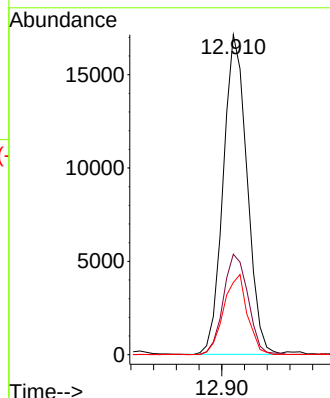
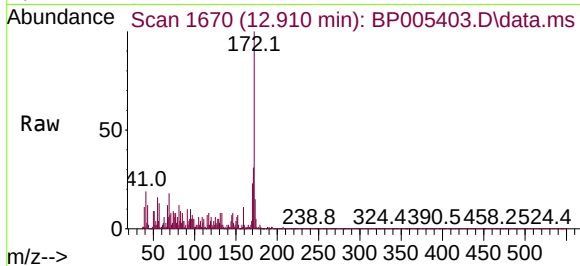




#45
2-Fluorobiphenyl
Concen: 5.09 ng
RT: 12.910 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

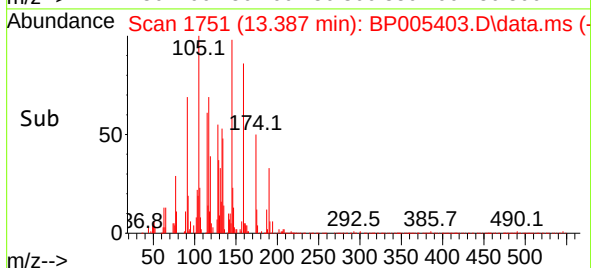
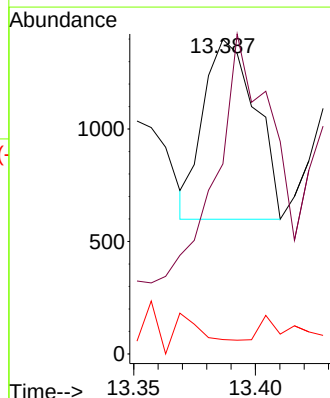
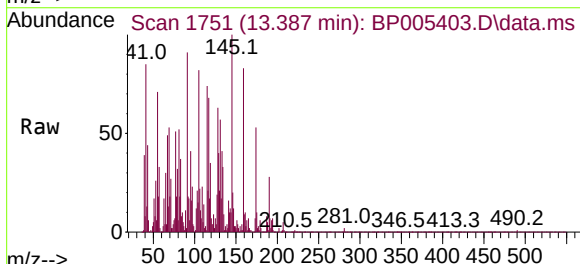
Instrument :
BNA_P
ClientSampleId :
105-SB-2(S)DL

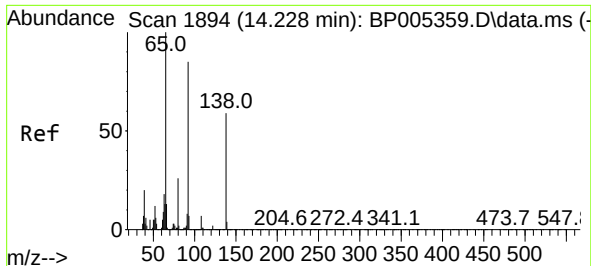
Tgt Ion:	172	Resp:	24956
Ion Ratio	Lower	Upper	
172	100		
171	31.4	28.1	42.1
170	22.6	19.6	29.4



#48
2-Nitroaniline
Concen: 6.30 ng
RT: 13.387 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:	65	Resp:	1191
Ion Ratio	Lower	Upper	
65	100		
92	60.4	48.8	73.2
138	4.6	69.5	104.3#

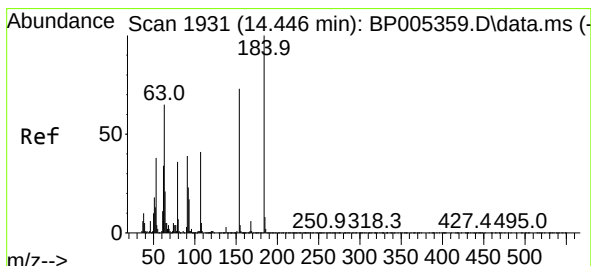
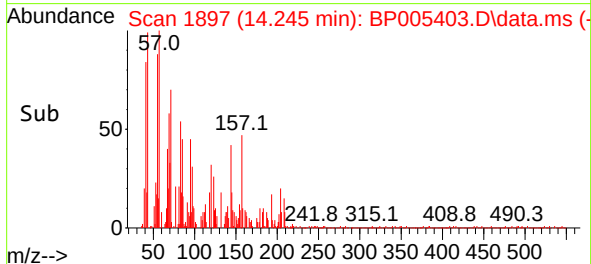
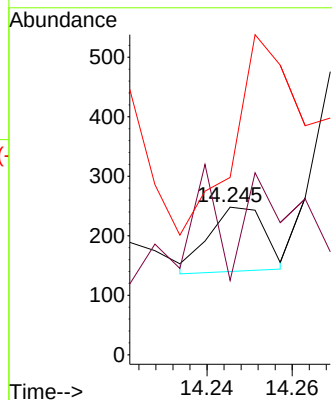
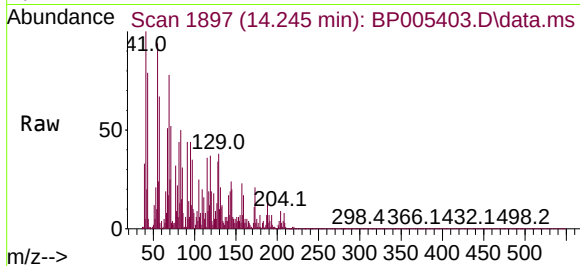




#53
3-Nitroaniline
Concen: 2.75 ng
RT: 14.245 min Scan# 1897
Delta R.T. 0.017 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

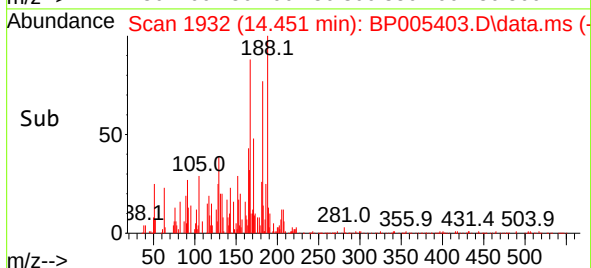
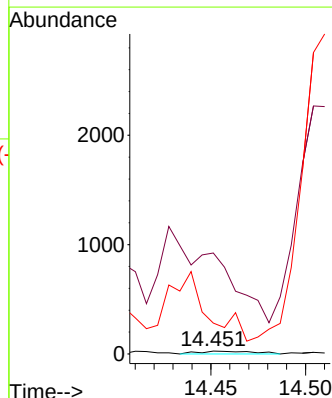
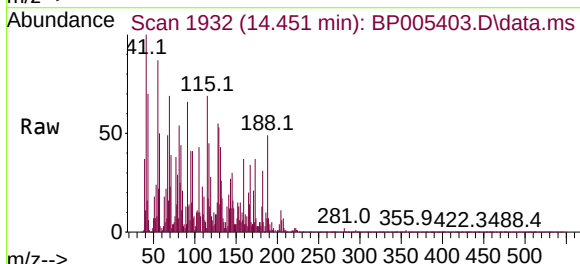
Instrument :
BNA_P
ClientSampleId :
105-SB-2(S)DL

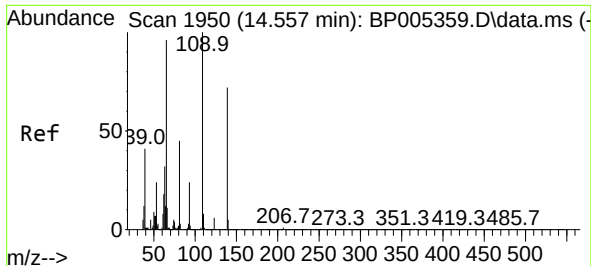
Tgt Ion:138 Resp: 98
Ion Ratio Lower Upper
138 100
108 50.4 10.2 15.4#
92 120.2 108.1 162.1



#54
2,4-Dinitrophenol
Concen: 7.59 ng
RT: 14.451 min Scan# 1932
Delta R.T. 0.005 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:184 Resp: 52
Ion Ratio Lower Upper
184 100
63 3553.8 51.2 76.8#
154 1084.6 55.8 83.8#

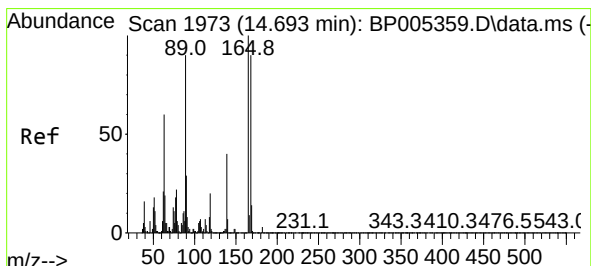
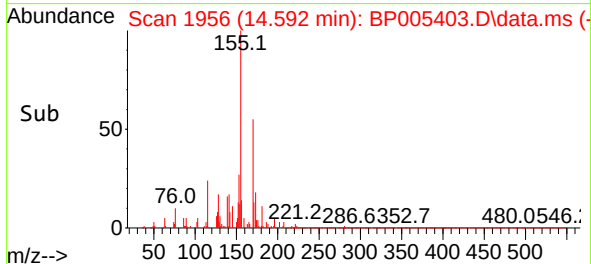
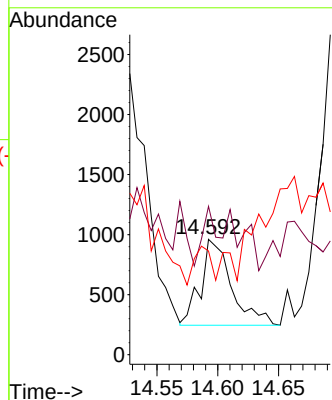
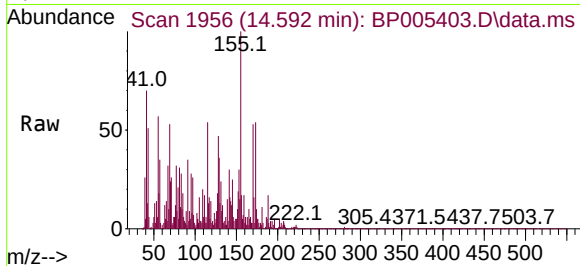




#56
4-Nitrophenol
Concen: 6.86 ng
RT: 14.592 min Scan# 1956
Delta R.T. 0.035 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

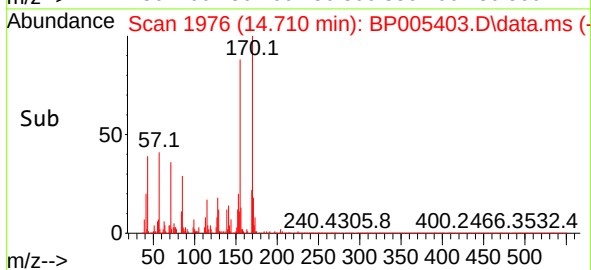
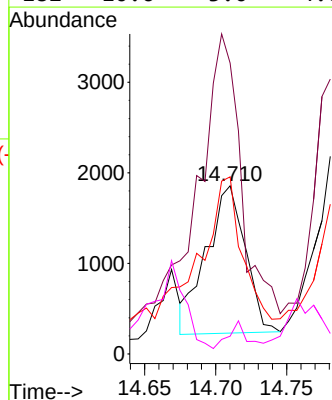
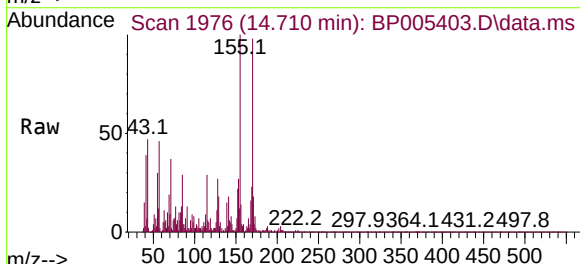
Instrument :
BNA_P
ClientSampleId :
105-SB-2(S)DL

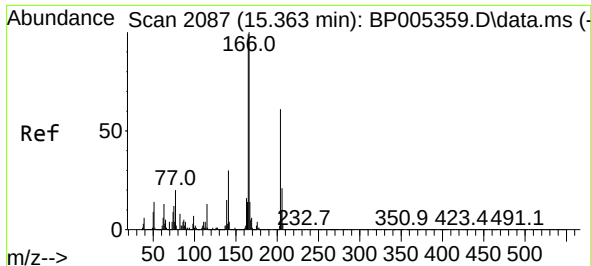
Tgt Ion:139 Resp: 1260
Ion Ratio Lower Upper
139 100
109 128.5 122.8 162.8
65 89.9 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 4.97 ng
RT: 14.710 min Scan# 1976
Delta R.T. 0.017 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:165 Resp: 3111
Ion Ratio Lower Upper
165 100
63 173.0 56.7 85.1#
89 105.3 85.8 128.6
182 10.6 3.0 4.6#

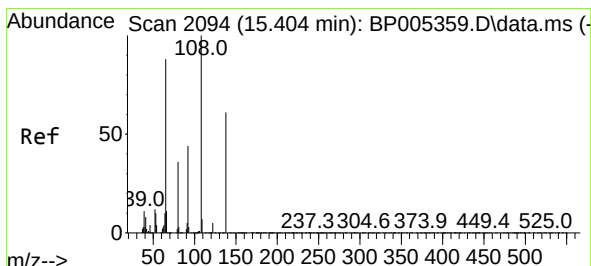
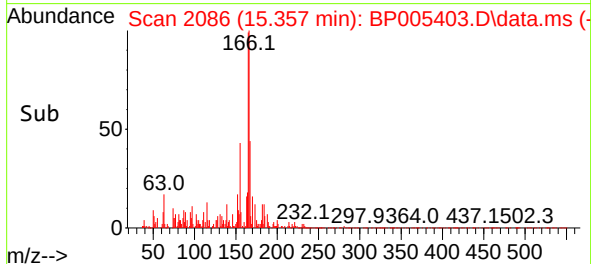
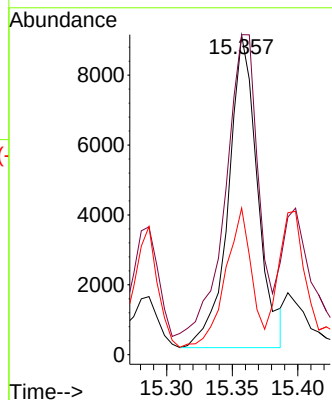
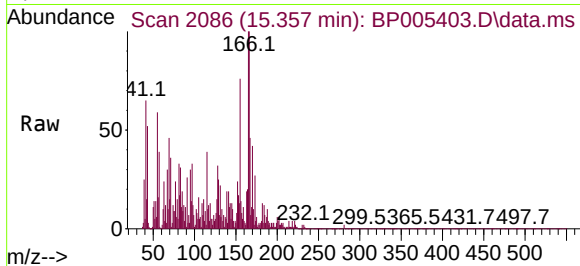




#58
Fluorene
Concen: 2.84 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.006 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

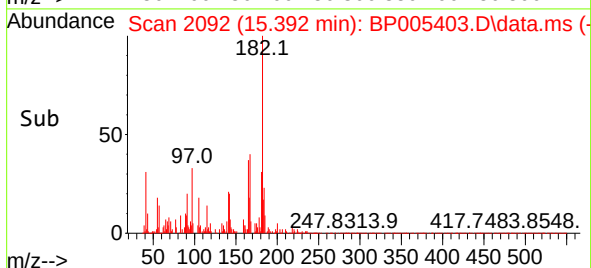
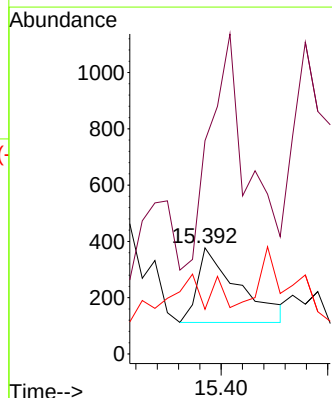
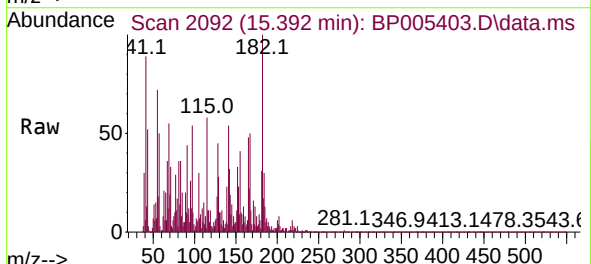
Instrument :
BNA_P
ClientSampleId :
105-SB-2(S)DL

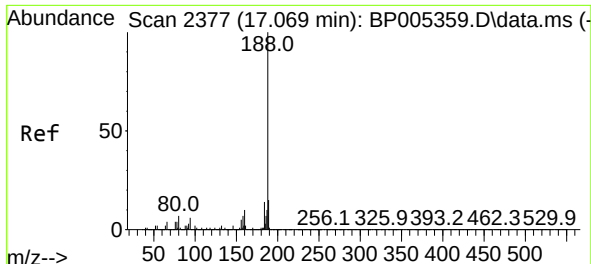
Tgt Ion:166 Resp: 13865
Ion Ratio Lower Upper
166 100
165 100.2 78.8 118.2
167 45.9 10.9 16.3#



#62
4-Nitroaniline
Concen: 4.18 ng
RT: 15.392 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:138 Resp: 355
Ion Ratio Lower Upper
138 100
92 201.1 50.9 90.9#
108 42.2 154.7 194.7#

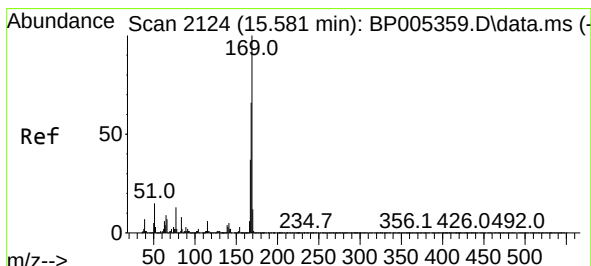
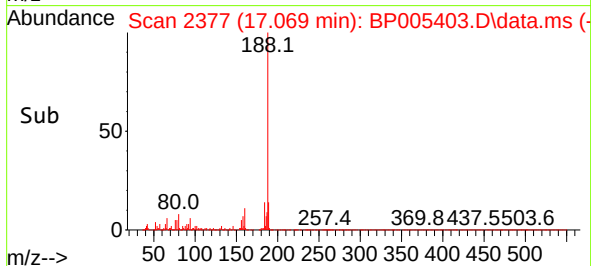
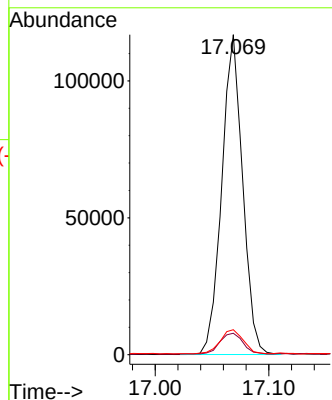
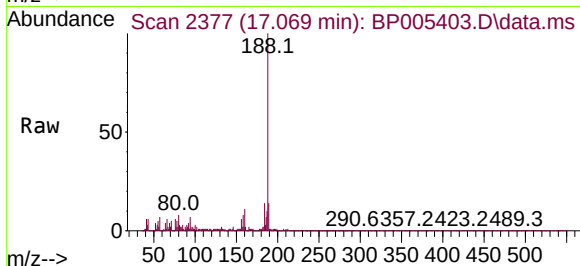




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.069 min Scan# 2377
Delta R.T. -0.000 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

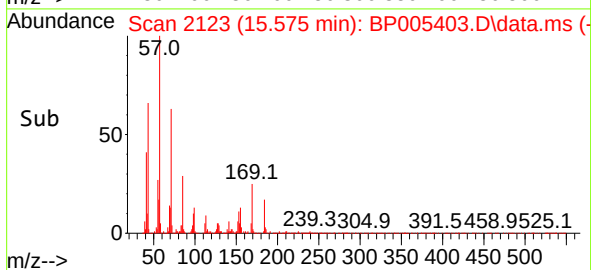
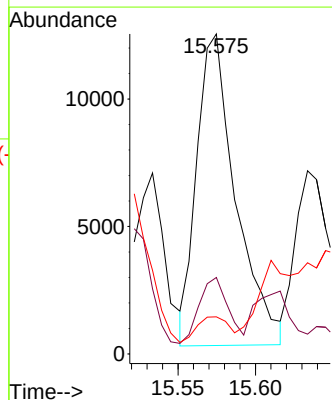
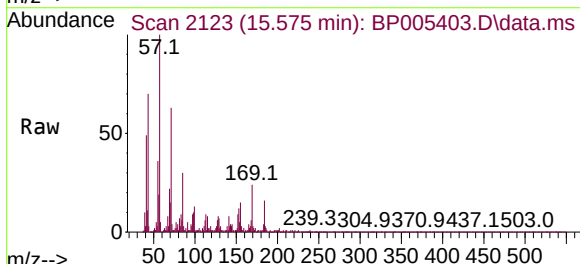
Instrument :
BNA_P
ClientSampleId :
105-SB-2(S)DL

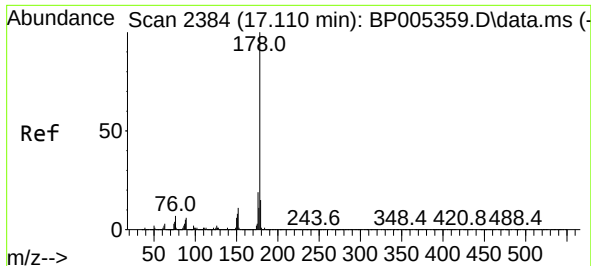
Tgt Ion:188	Resp:	149166
Ion Ratio	Lower	Upper
188	100	
94	6.7	5.0 7.6
80	7.8	5.9 8.9



#66
n-Nitrosodiphenylamine
Concen: 5.25 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:169	Resp:	21396
Ion Ratio	Lower	Upper
169	100	
168	23.9	55.2 82.8#
167	11.6	36.6 54.8#

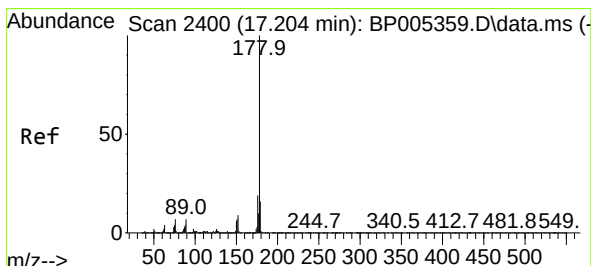
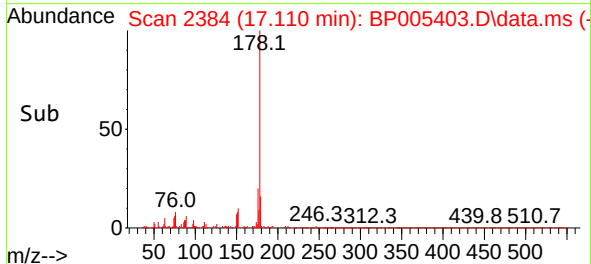
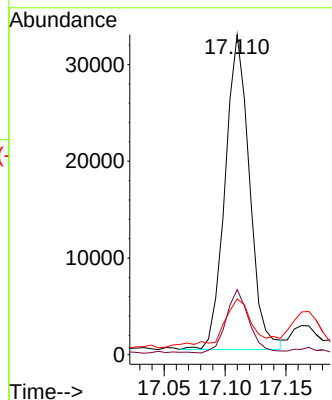
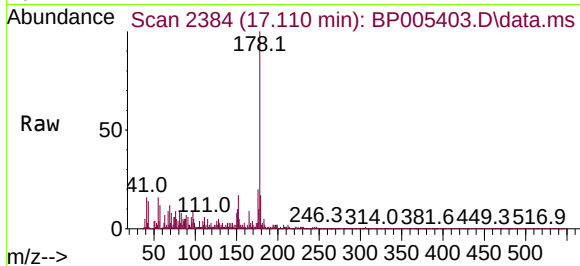




#71
Phenanthrene
Concen: 5.68 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.000 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

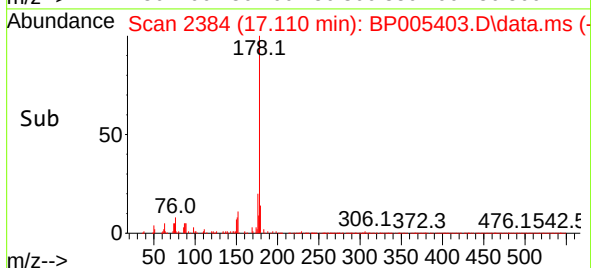
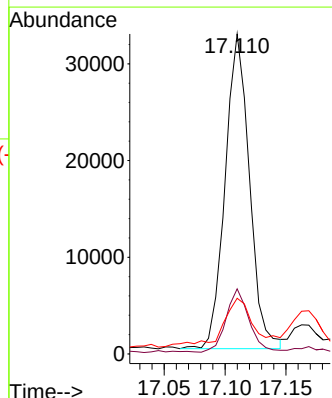
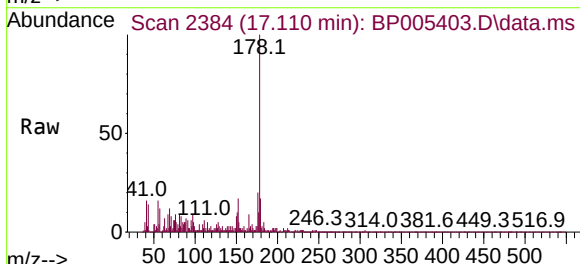
Instrument :
BNA_P
ClientSampleId :
105-SB-2(S)DL

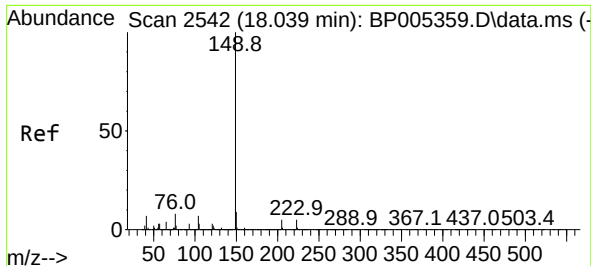
Tgt Ion:178 Resp: 45162
Ion Ratio Lower Upper
178 100
176 20.4 15.4 23.2
179 17.4 12.3 18.5



#72
Anthracene
Concen: 5.83 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.094 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:178 Resp: 45162
Ion Ratio Lower Upper
178 100
176 20.4 15.2 22.8
179 17.4 12.6 19.0

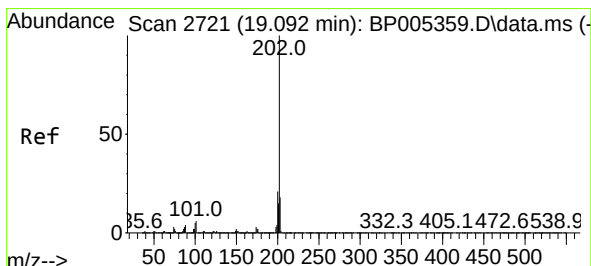
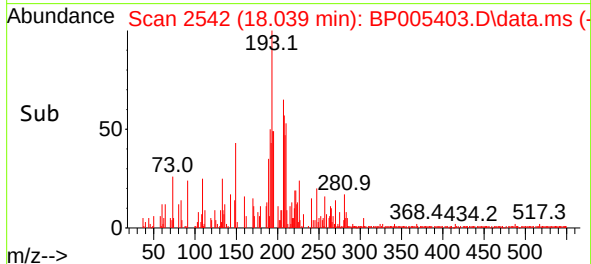
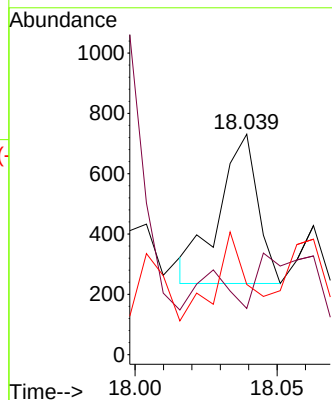
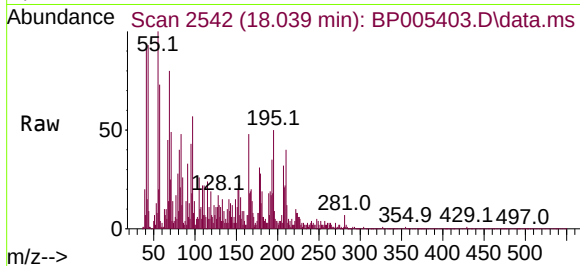




#74
Di-n-butylphthalate
Concen: 4.00 ng
RT: 18.039 min Scan# 2542
Delta R.T. 0.000 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

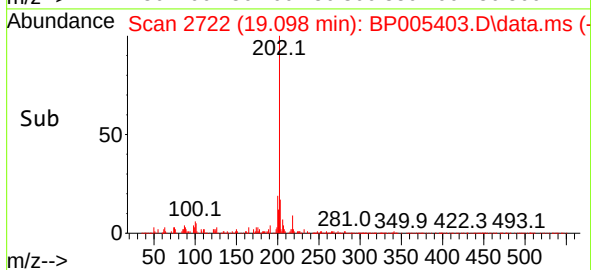
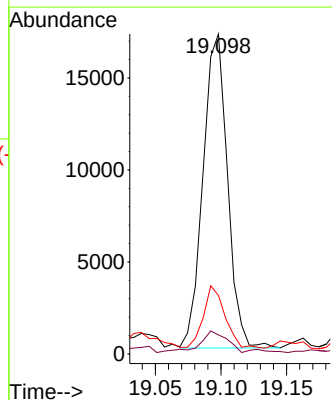
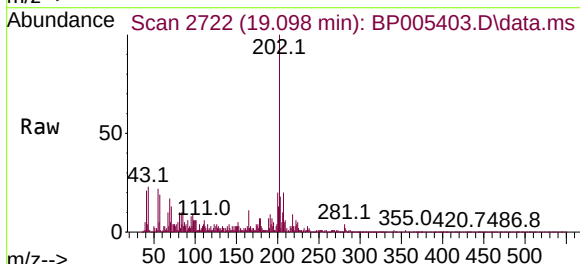
Instrument :
BNA_P
ClientSampleId :
105-SB-2(S)DL

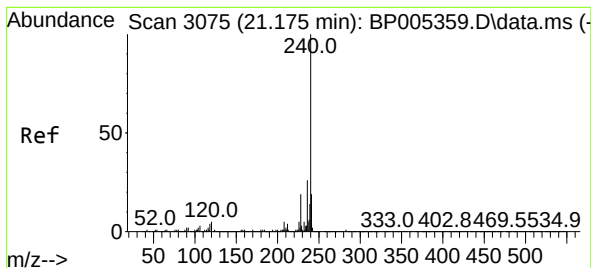
Tgt Ion:149 Resp: 471
Ion Ratio Lower Upper
149 100
150 20.9 7.6 11.4#
104 31.9 8.9 13.3#



#75
Fluoranthene
Concen: 2.03 ng
RT: 19.098 min Scan# 2722
Delta R.T. 0.006 min
Lab File: BP005403.D
Acq: 23 Apr 2021 20:30

Tgt Ion:202 Resp: 22167
Ion Ratio Lower Upper
202 100
101 6.0 0.0 26.1
203 18.3 0.0 37.2





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.174 min Scan# 3075

Delta R.T. -0.001 min

Lab File: BP005403.D

Acq: 23 Apr 2021 20:30

Tgt Ion:240 Resp: 192975

Ion Ratio Lower Upper

240 100

120 4.5 4.2 6.2

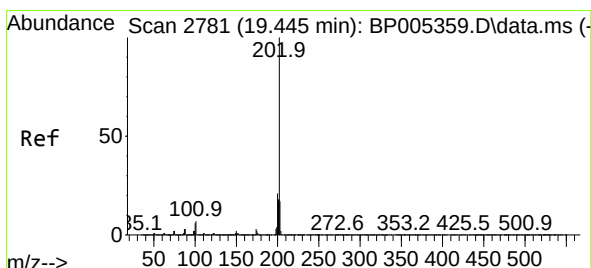
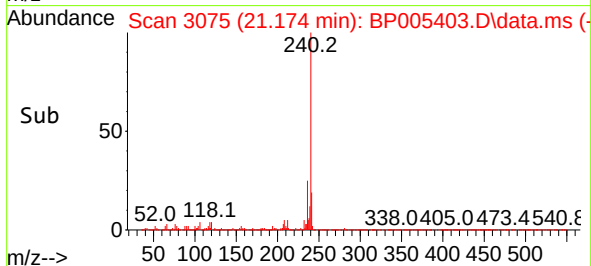
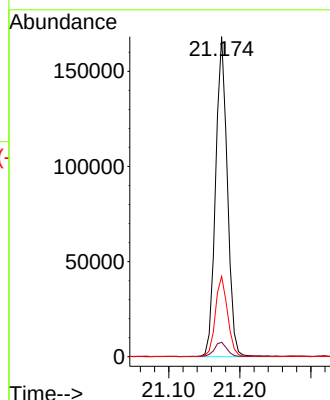
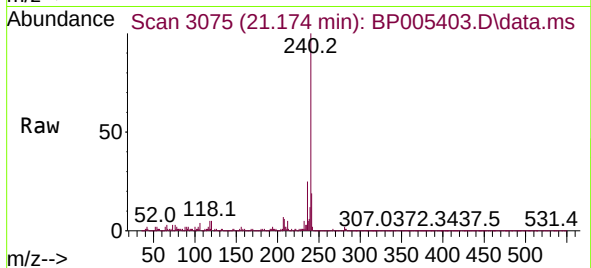
236 25.1 20.2 30.2

Instrument :

BNA_P

ClientSampleId :

105-SB-2(S)DL



#78

Pyrene

Concen: 2.64 ng

RT: 19.451 min Scan# 2782

Delta R.T. 0.006 min

Lab File: BP005403.D

Acq: 23 Apr 2021 20:30

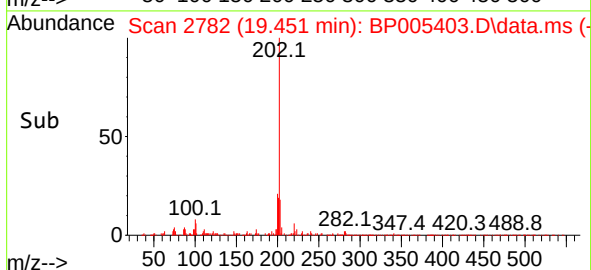
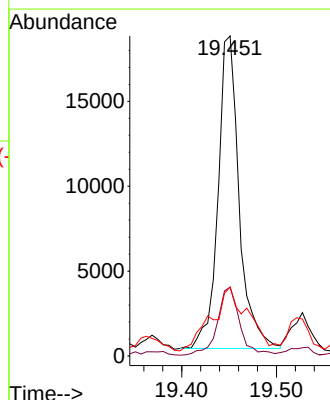
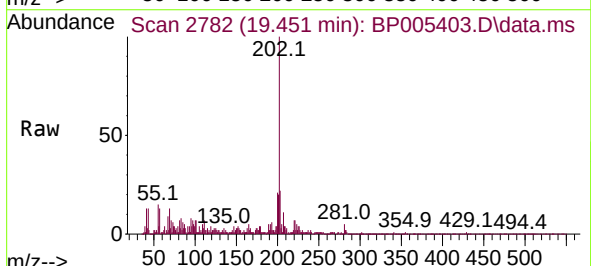
Tgt Ion:202 Resp: 28617

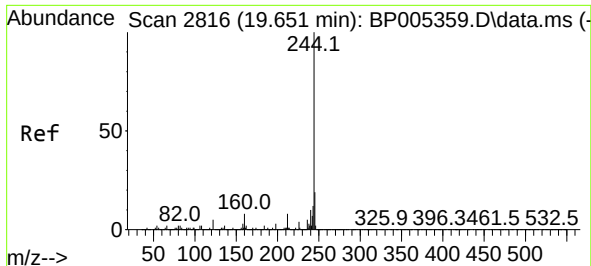
Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 21.5 13.8 20.6#

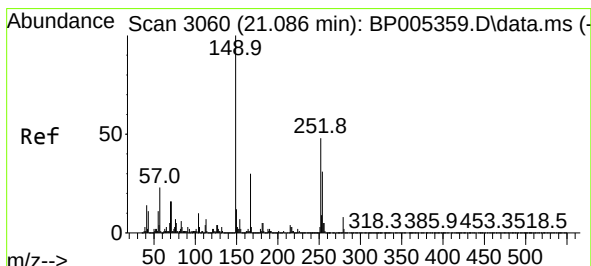
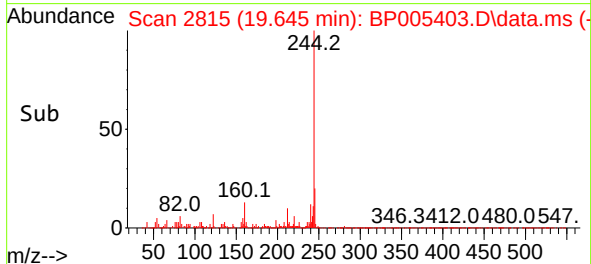
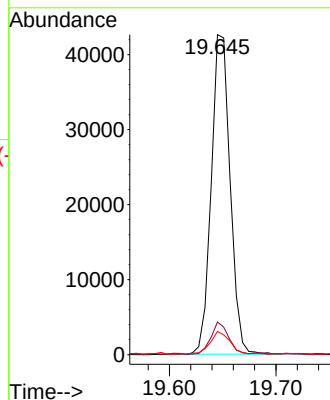
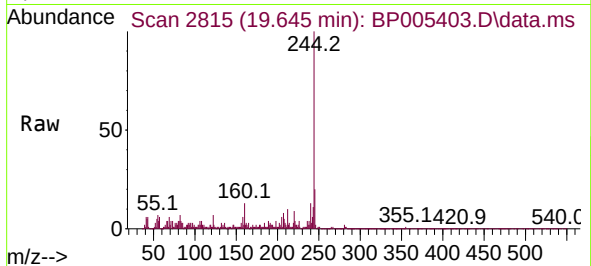




#79
 Terphenyl-d14
 Concen: 5.04 ng
 RT: 19.645 min Scan# 2815
 Delta R.T. -0.006 min
 Lab File: BP005403.D
 Acq: 23 Apr 2021 20:30

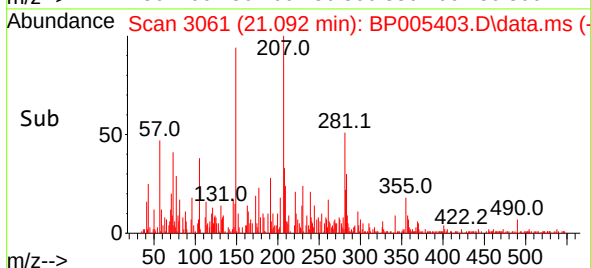
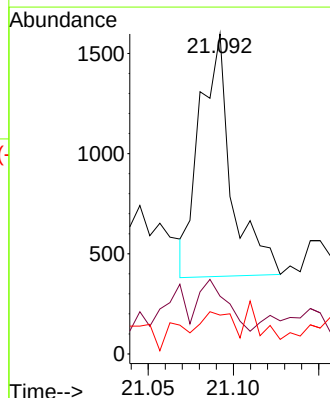
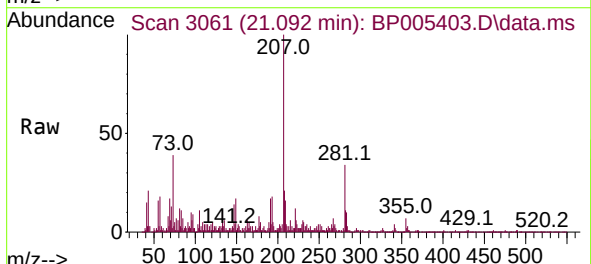
Instrument :
 BNA_P
 ClientSampleId :
 105-SB-2(S)DL

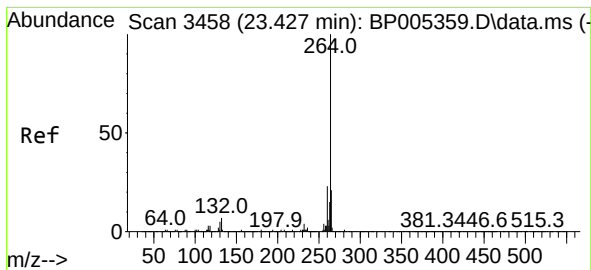
Tgt Ion:244 Resp: 52439
 Ion Ratio Lower Upper
 244 100
 212 10.2 5.8 8.6#
 122 7.2 5.2 7.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.32 ng
 RT: 21.092 min Scan# 3061
 Delta R.T. 0.006 min
 Lab File: BP005403.D
 Acq: 23 Apr 2021 20:30

Tgt Ion:149 Resp: 1571
 Ion Ratio Lower Upper
 149 100
 167 18.0 23.8 35.8#
 279 12.1 5.7 8.5#





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.433 min Scan# 3459
 Delta R.T. 0.006 min
 Lab File: BP005403.D
 Acq: 23 Apr 2021 20:30

Instrument :
 BNA_P
 ClientSampleId :
 105-SB-2(S)DL

Tgt Ion:	264	Resp:	201476
Ion	Ratio	Lower	Upper
264	100		
260	23.2	20.6	30.8
265	22.0	19.0	28.6

