

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
 Data File : BP005384.D
 Acq On : 22 Apr 2021 19:56
 Operator : CG/JU
 Sample : M2111-03 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-3

Quant Time: Apr 23 01:51:05 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)

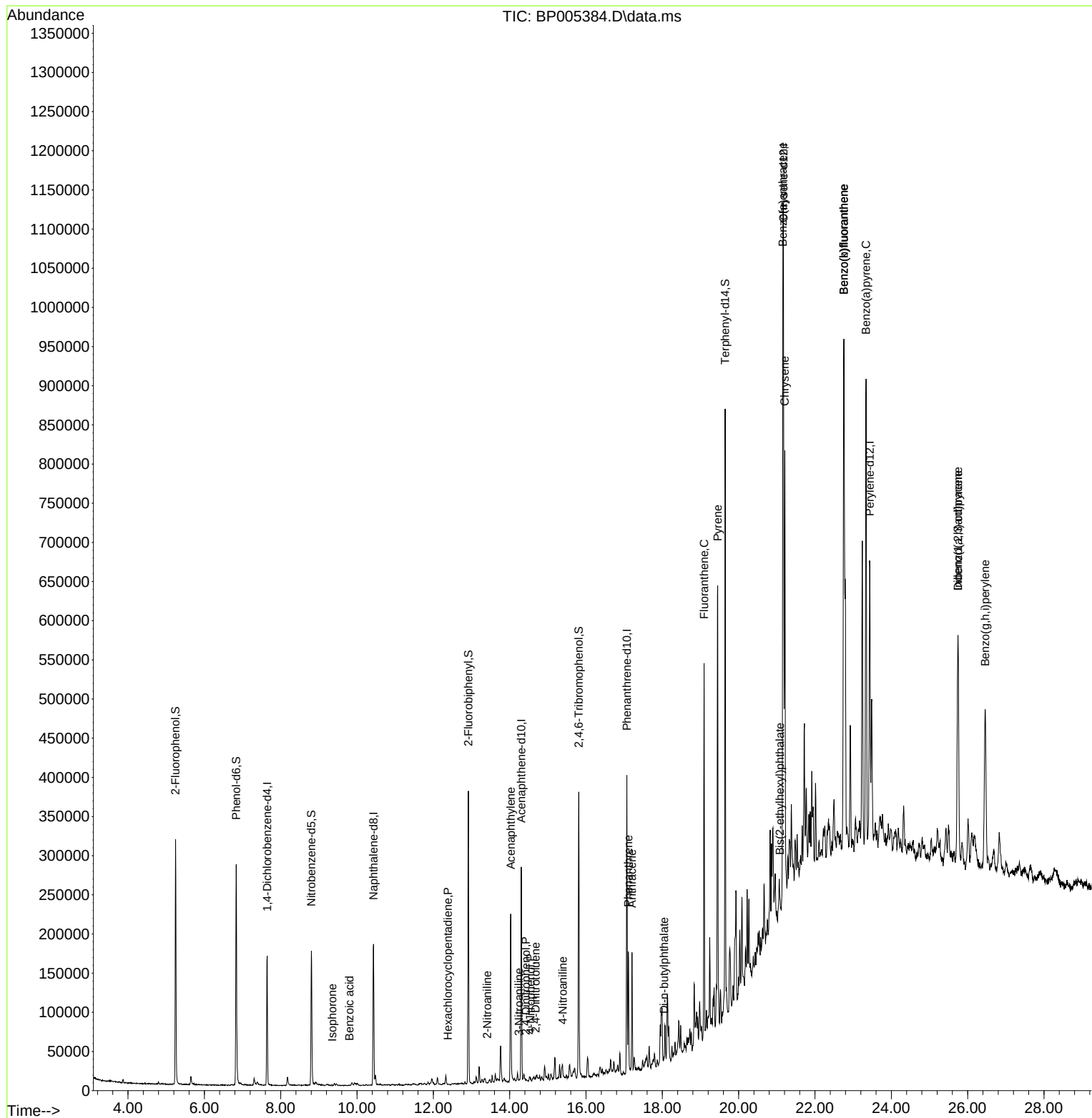
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.646	152	32299	20.00	ng	0.00
21) Naphthalene-d8	10.434	136	113213	20.00	ng	# 0.00
39) Acenaphthene-d10	14.304	164	75978	20.00	ng	0.00
64) Phenanthrene-d10	17.069	188	188146	20.00	ng	0.00
76) Chrysene-d12	21.174	240	250799	20.00	ng	# 0.00
86) Perylene-d12	23.433	264	251944	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	90735	48.80	ng	0.00
7) Phenol-d6	6.834	99	117145	45.73	ng	0.00
23) Nitrobenzene-d5	8.804	82	96593	37.11	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	51986	35.77	ng	0.00
45) 2-Fluorobiphenyl	12.916	172	153349	26.13	ng	0.00
79) Terphenyl-d14	19.645	244	291295	21.52	ng	0.00
Target Compounds						Qvalue
25) Isophorone	9.351	82	74	2.97	ng	# 56
32) Benzoic acid	9.798	122	103	7.82	ng	# 15
41) Hexachlorocyclopentadiene	12.381	237	22	6.98	ng	82
48) 2-Nitroaniline	13.410	65	42	5.47	ng	# 32
49) Acenaphthylene	14.028	152	128615	19.96	ng	98
53) 3-Nitroaniline	14.245	138	88	2.73	ng	# 25
54) 2,4-Dinitrophenol	14.422	184	27	7.55	ng	# 1
56) 4-Nitrophenol	14.551	139	118	5.42	ng	# 53
57) 2,4-Dinitrotoluene	14.680	165	127	3.17	ng	# 55
62) 4-Nitroaniline	15.392	138	76	3.88	ng	# 1
71) Phenanthrene	17.110	178	78571	7.84	ng	99
72) Anthracene	17.204	178	82100	8.41	ng	99
74) Di-n-butylphthalate	18.045	149	585	4.00	ng	# 25
75) Fluoranthene	19.092	202	239345	17.39	ng	100
78) Pyrene	19.451	202	313817	22.31	ng	99
81) Benzo(a)anthracene	21.157	228	351382	21.77	ng	96
83) Chrysene	21.210	228	292459	18.19	ng	98
84) Bis(2-ethylhexyl)phtha...	21.080	149	1080	3.16	ng	# 71
87) Indeno(1,2,3-cd)pyrene	25.745	276	288724	15.00	ng	98
88) Benzo(b)fluoranthene	22.757	252	728761	43.93	ng	98
89) Benzo(k)fluoranthene	22.757	252	728761	44.75	ng	96
90) Benzo(a)pyrene	23.339	252	405560	26.81	ng	97
91) Dibenzo(a,h)anthracene	25.745	278	82324	4.94	ng	# 87
92) Benzo(g,h,i)perylene	26.462	276	259468	16.62	ng	97

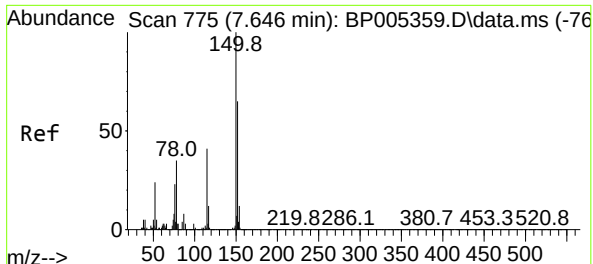
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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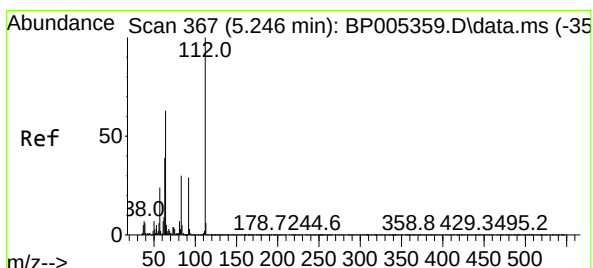
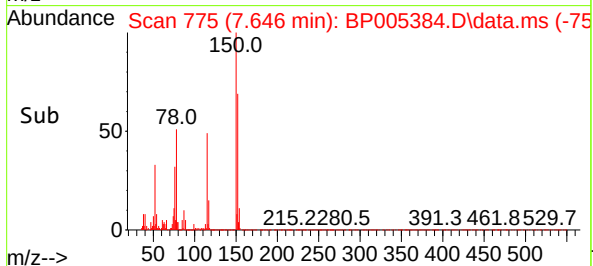
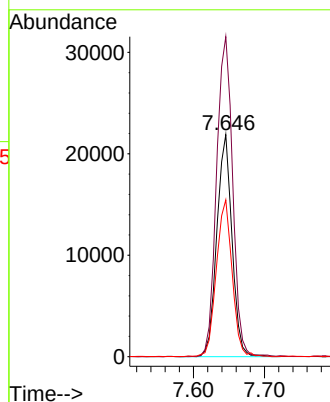
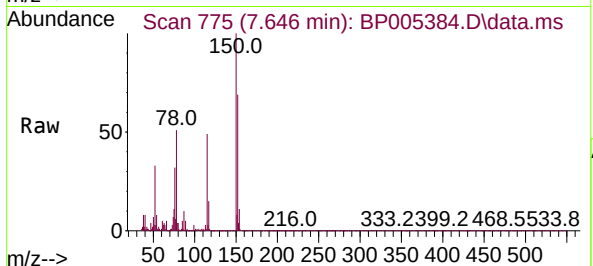




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.646 min Scan# 775
Delta R.T. -0.000 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

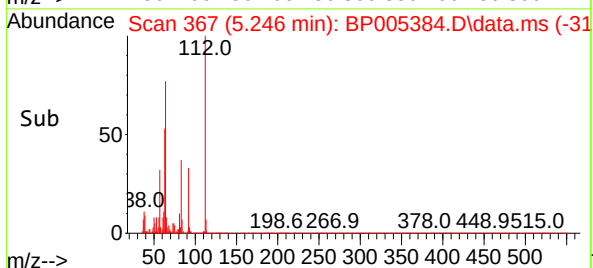
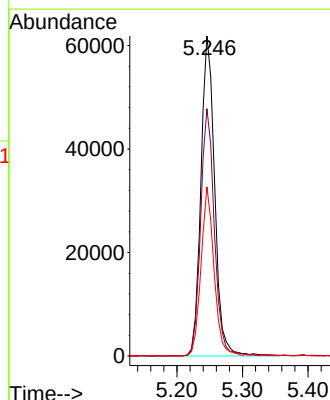
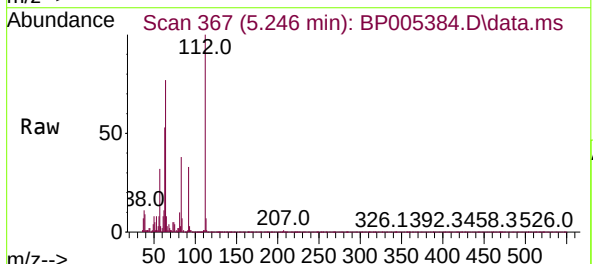
Instrument :
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ClientSampleId :
S-3

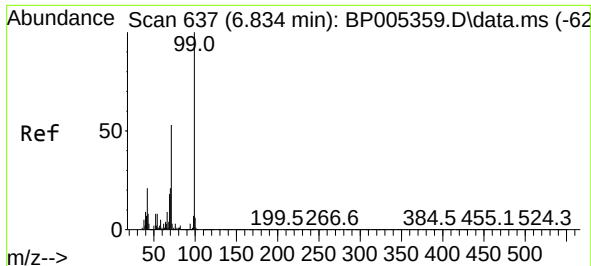
Tgt Ion:152 Resp: 32299
Ion Ratio Lower Upper
152 100
150 144.0 119.8 179.8
115 70.6 49.0 73.4



#5
2-Fluorophenol
Concen: 48.80 ng
RT: 5.246 min Scan# 367
Delta R.T. -0.000 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:112 Resp: 90735
Ion Ratio Lower Upper
112 100
64 77.3 33.6 50.4#
63 52.8 18.6 27.8#

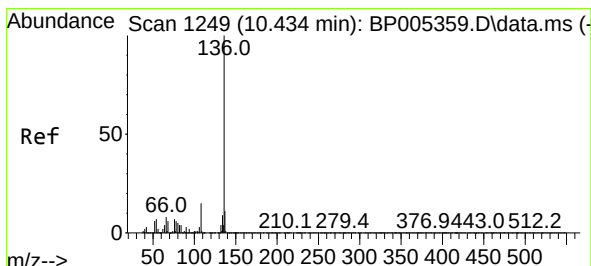
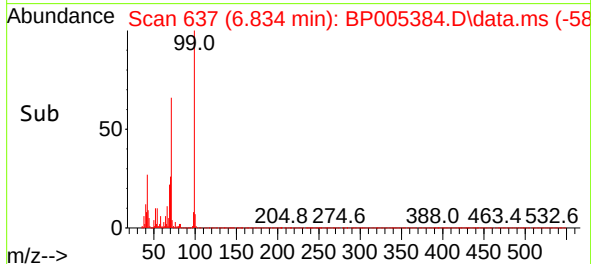
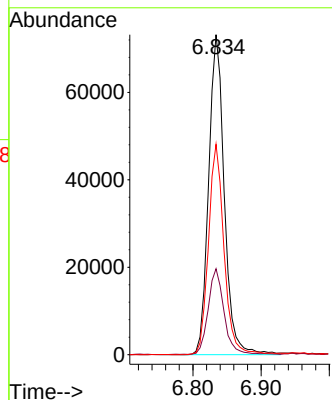
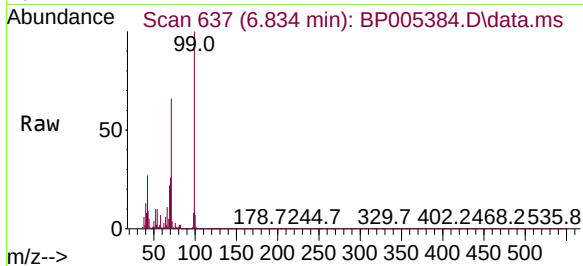




#7
Phenol-d6
Concen: 45.73 ng
RT: 6.834 min Scan# 637
Delta R.T. -0.000 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

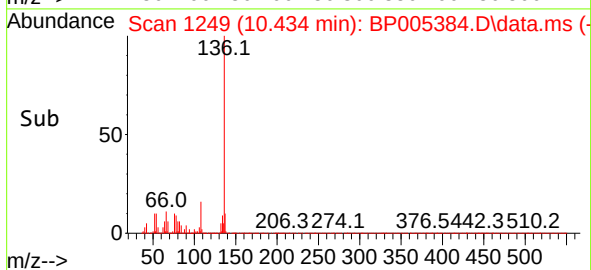
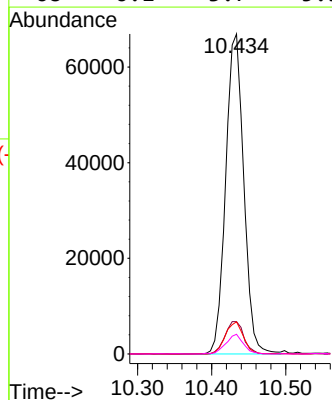
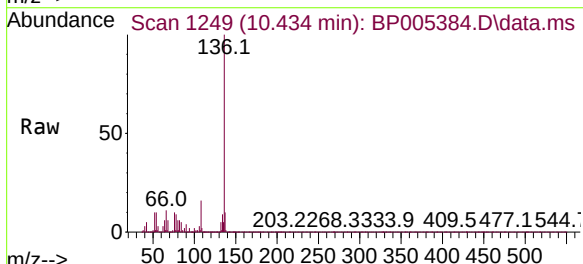
Instrument :
BNA_P
ClientSampled :
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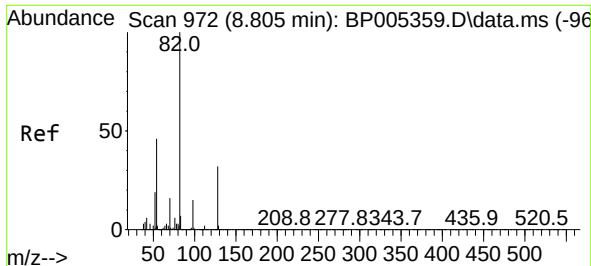
Tgt Ion: 99 Resp: 117145
Ion Ratio Lower Upper
99 100
42 26.8 12.9 19.3#
71 65.8 26.7 40.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion: 136 Resp: 113213
Ion Ratio Lower Upper
136 100
137 10.1 8.9 13.3
54 10.0 5.0 7.4#
68 6.1 3.7 5.5#

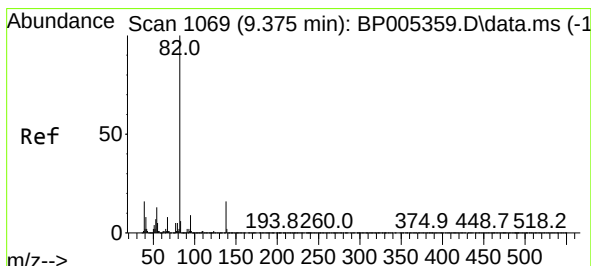
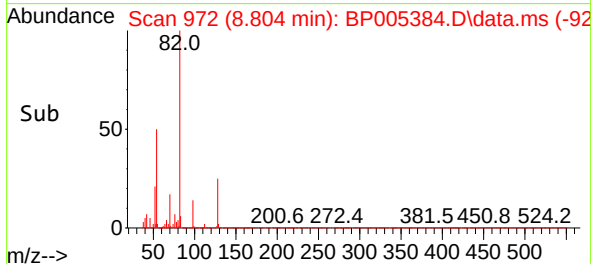
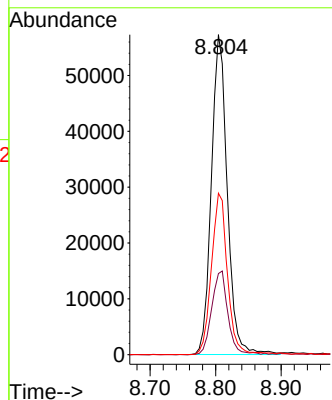
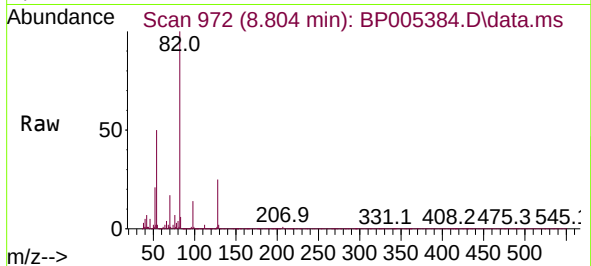




#23
Nitrobenzene-d5
Concen: 37.11 ng
RT: 8.804 min Scan# 972
Delta R.T. -0.001 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

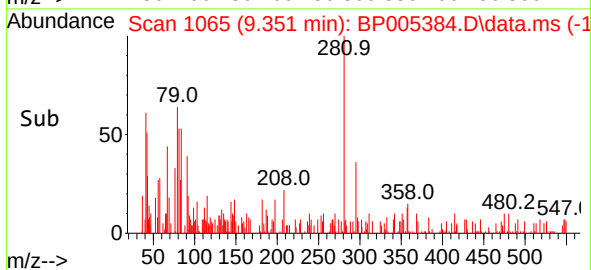
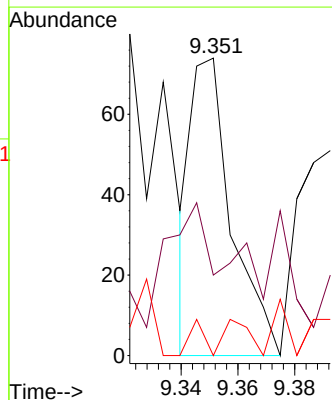
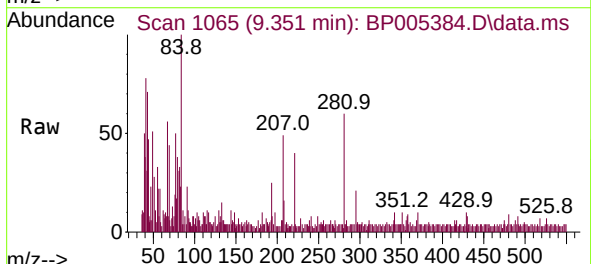
Instrument :
BNA_P
ClientSampled :
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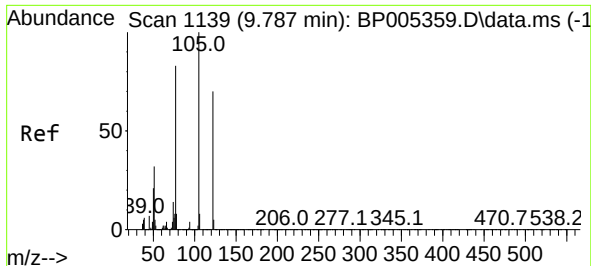
Tgt Ion: 82 Resp: 96593
Ion Ratio Lower Upper
82 100
128 25.3 30.5 45.7#
54 50.4 33.9 50.9



#25
Isophorone
Concen: 2.97 ng
RT: 9.351 min Scan# 1065
Delta R.T. -0.024 min
Lab File: BP005384.D
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Tgt Ion: 82 Resp: 74
Ion Ratio Lower Upper
82 100
95 27.0 7.5 11.3#
138 0.0 14.6 22.0#

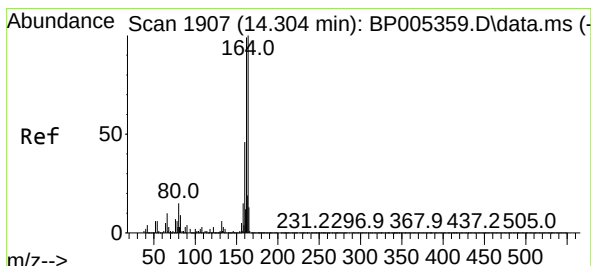
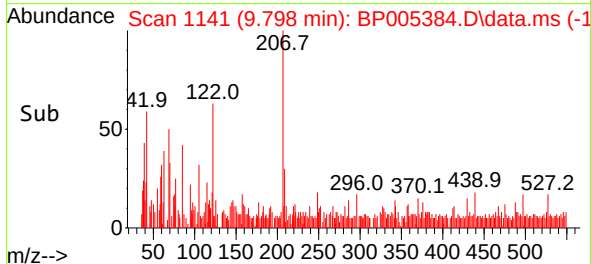
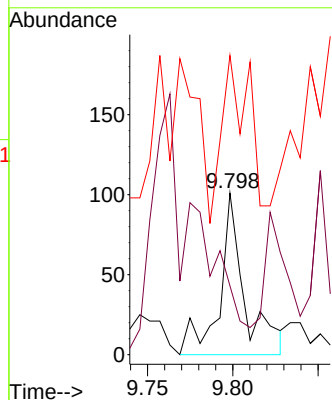
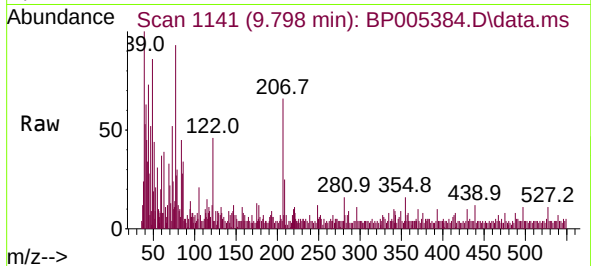




#32
Benzoic acid
Concen: 7.82 ng
RT: 9.798 min Scan# 1141
Delta R.T. 0.011 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

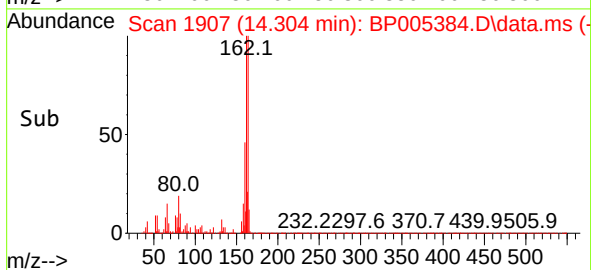
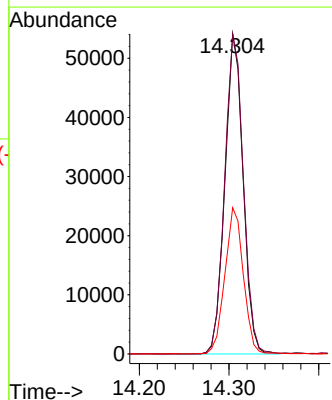
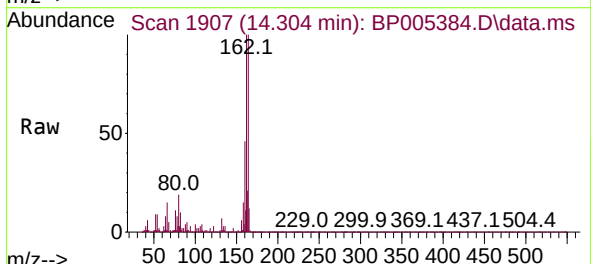
Instrument :
BNA_P
ClientSampled :
S-3

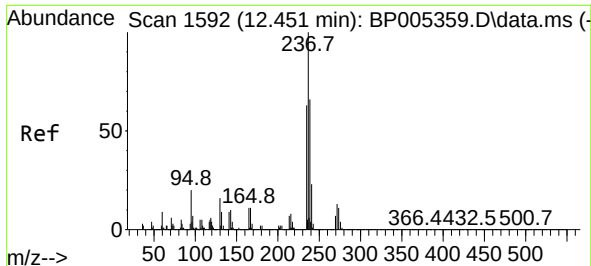
Tgt Ion:122 Resp: 103
Ion Ratio Lower Upper
122 100
105 42.6 105.1 145.1#
77 185.1 69.6 109.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1907
Delta R.T. 0.000 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:164 Resp: 75978
Ion Ratio Lower Upper
164 100
162 100.0 73.5 110.3
160 45.7 40.6 61.0

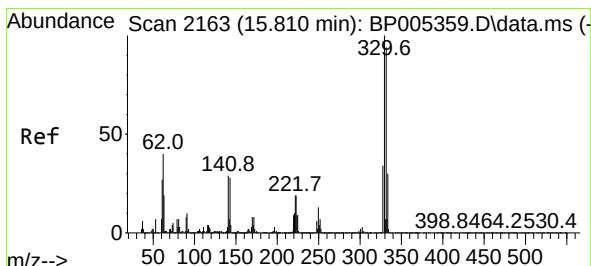
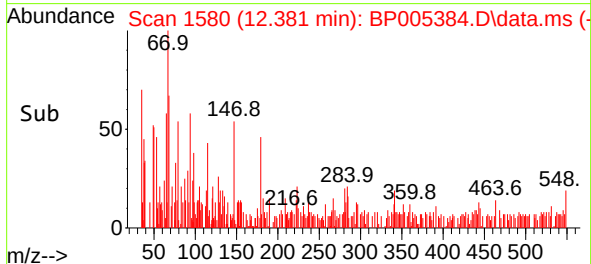
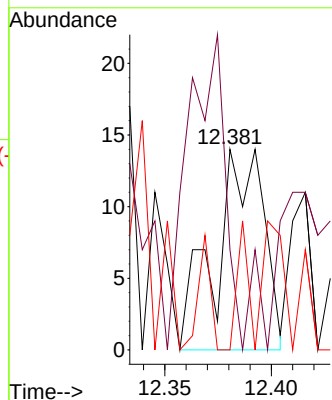
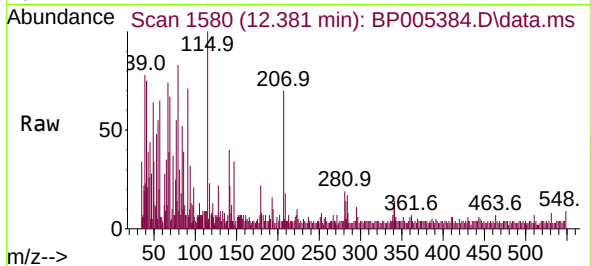




#41
Hexachlorocyclopentadiene
Concen: 6.98 ng
RT: 12.381 min Scan# 1580
Delta R.T. -0.070 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

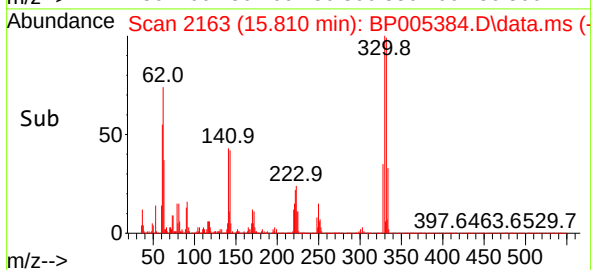
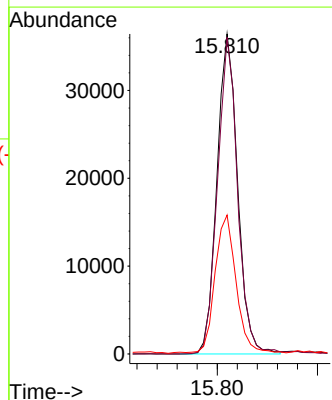
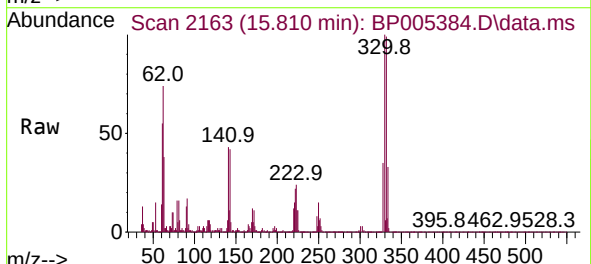
Instrument :
BNA_P
ClientSampled :
S-3

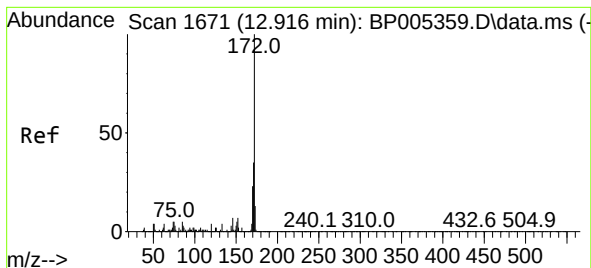
Tgt Ion:	237	Resp:	22
Ion Ratio	Lower	Upper	
237	100		
235	50.0	40.9	80.9
272	0.0	0.0	34.6



#42
2,4,6-Tribromophenol
Concen: 35.77 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:	330	Resp:	51986
Ion Ratio	Lower	Upper	
330	100		
332	97.4	76.3	114.5
141	44.4	22.8	34.2#

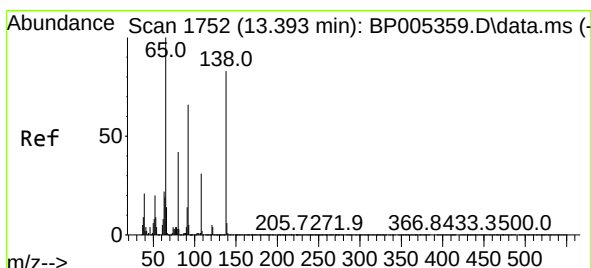
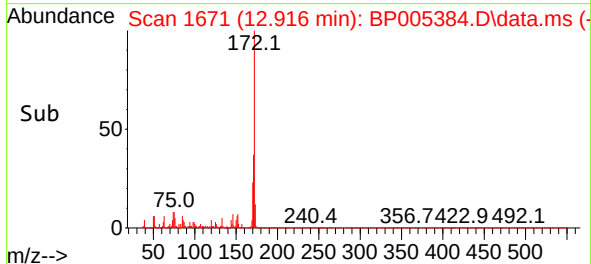
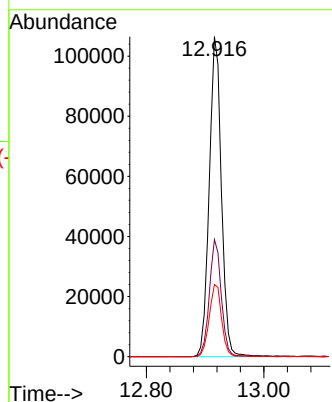
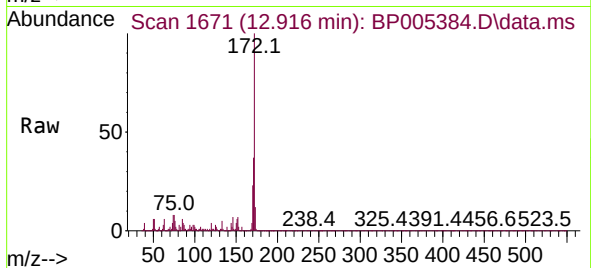




#45
2-Fluorobiphenyl
Concen: 26.13 ng
RT: 12.916 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

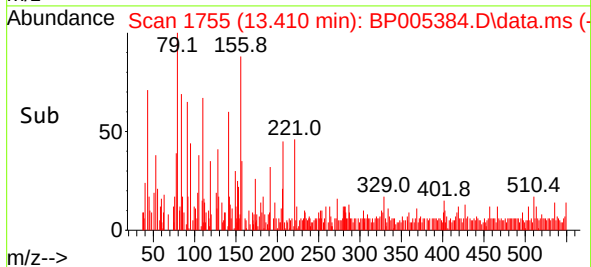
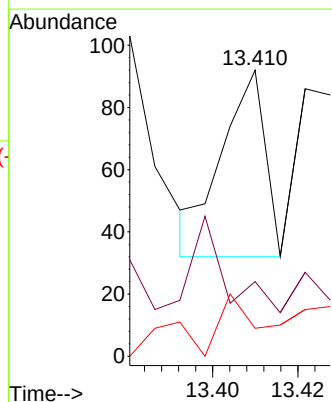
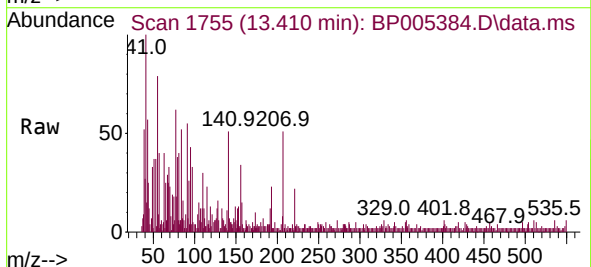
Instrument :
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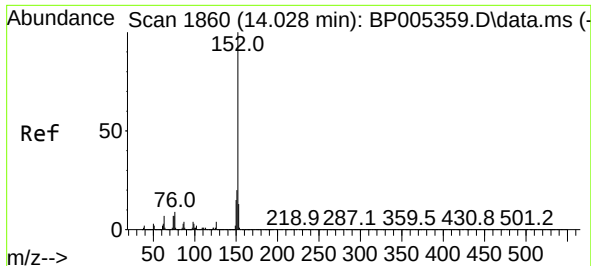
Tgt Ion:	172	Resp:	153349
Ion Ratio	Lower	Upper	
172	100		
171	36.6	28.1	42.1
170	22.5	19.6	29.4



#48
2-Nitroaniline
Concen: 5.47 ng
RT: 13.410 min Scan# 1755
Delta R.T. 0.017 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:	65	Resp:	42
Ion Ratio	Lower	Upper	
65	100		
92	26.1	48.8	73.2#
138	9.8	69.5	104.3#

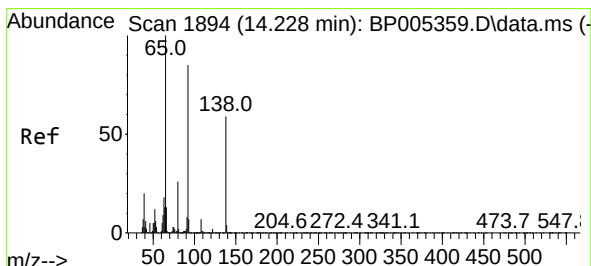
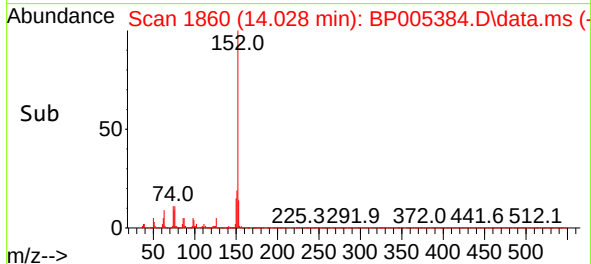
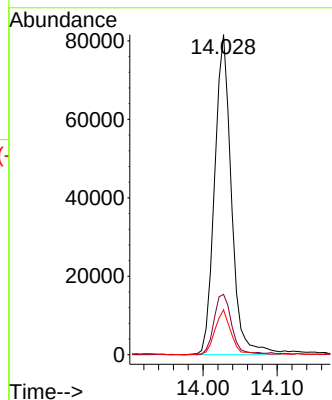
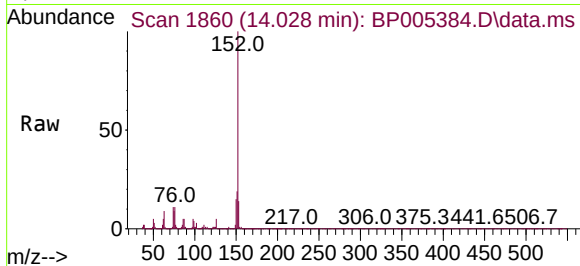




#49
Acenaphthylene
Concen: 19.96 ng
RT: 14.028 min Scan# 1860
Delta R.T. -0.000 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

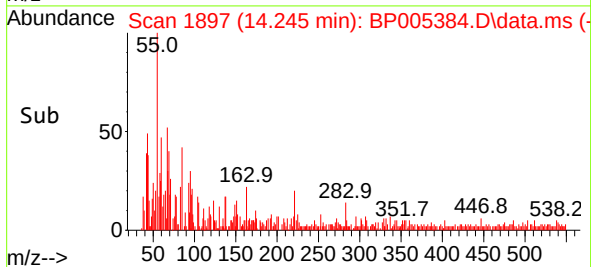
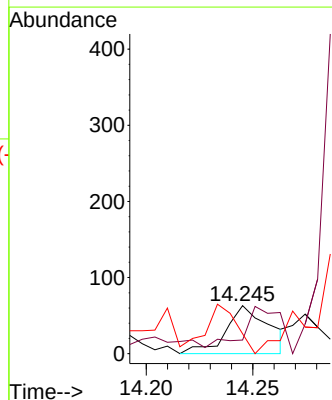
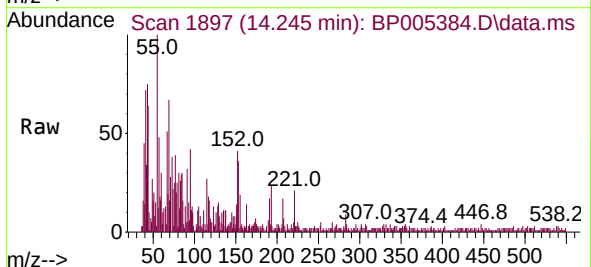
Instrument :
BNA_P
ClientSampleId :
S-3

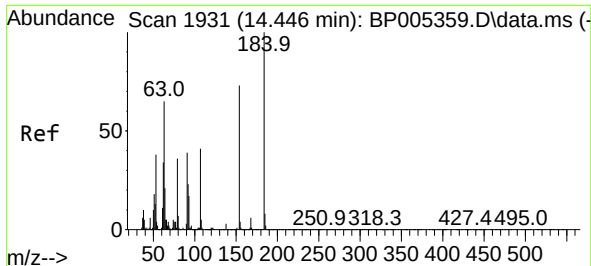
Tgt Ion:152	Resp:	128615
Ion Ratio	Lower	Upper
152	100	
151	18.9	15.8 23.6
153	14.0	10.5 15.7



#53
3-Nitroaniline
Concen: 2.73 ng
RT: 14.245 min Scan# 1897
Delta R.T. 0.017 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:138	Resp:	88
Ion Ratio	Lower	Upper
138	100	
108	28.6	10.2 15.4#
92	41.3	108.1 162.1#

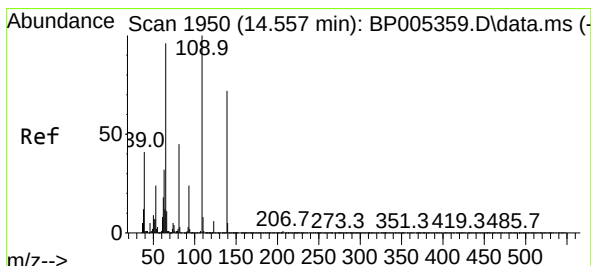
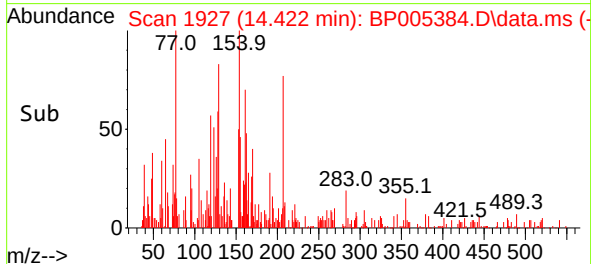
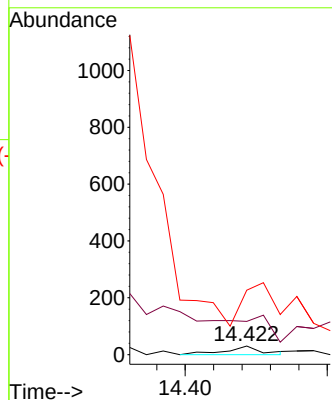
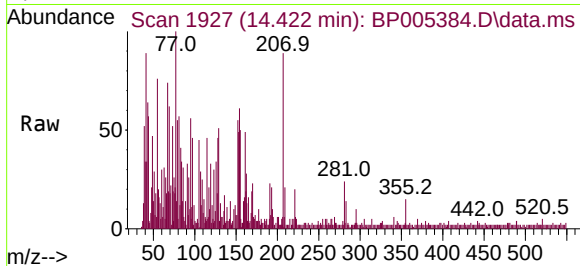




#54
2,4-Dinitrophenol
Concen: 7.55 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.024 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

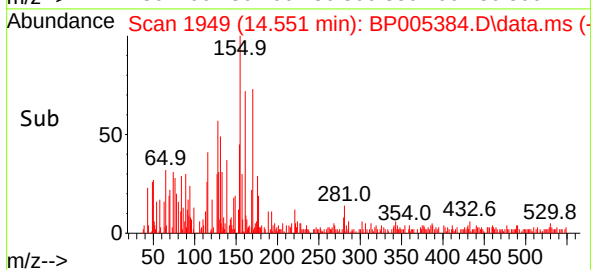
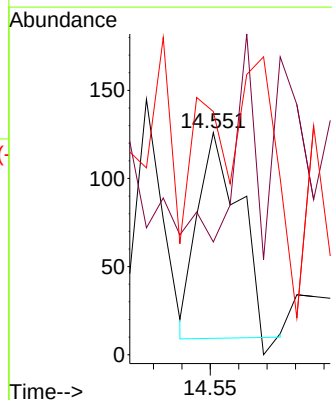
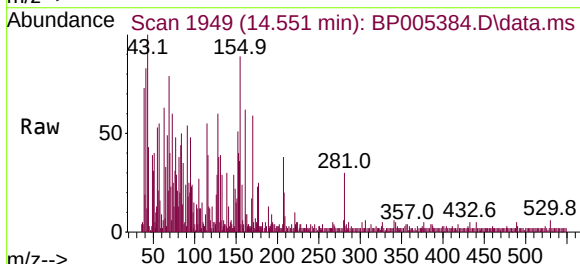
Instrument :
BNA_P
ClientSampled :
S-3

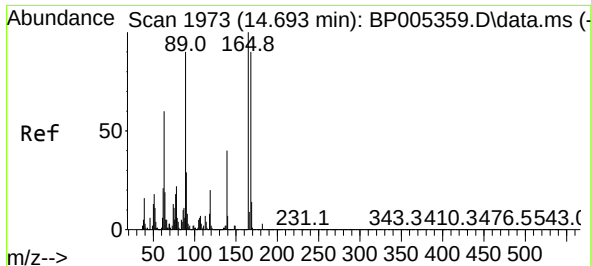
Tgt Ion:184 Resp: 27
Ion Ratio Lower Upper
184 100
63 390.0 51.2 76.8#
154 756.7 55.8 83.8#



#56
4-Nitrophenol
Concen: 5.42 ng
RT: 14.551 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:139 Resp: 118
Ion Ratio Lower Upper
139 100
109 50.8 122.8 162.8#
65 109.5 110.0 150.0#

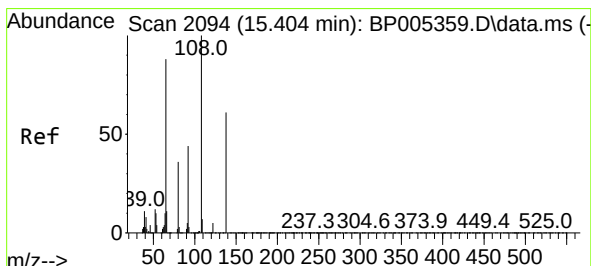
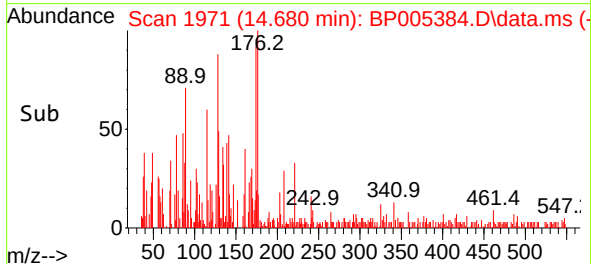
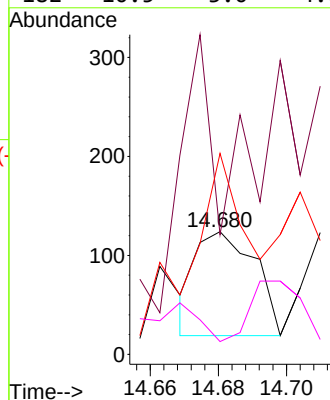
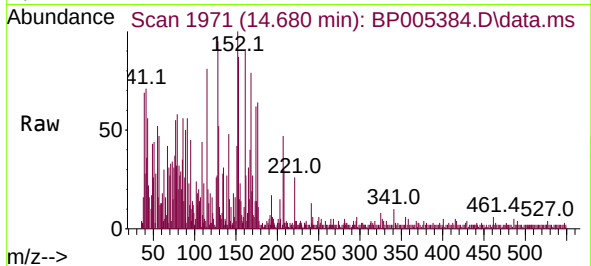




#57
2,4-Dinitrotoluene
Concen: 3.17 ng
RT: 14.680 min Scan# 1971
Delta R.T. -0.013 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

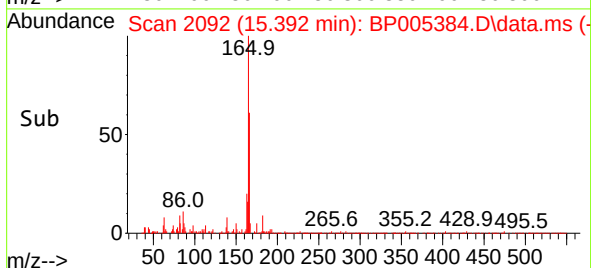
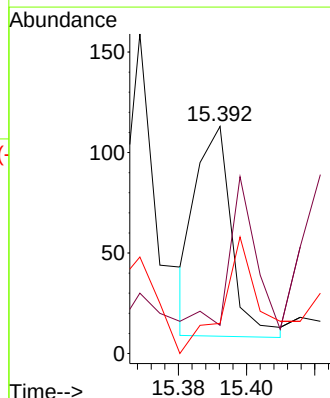
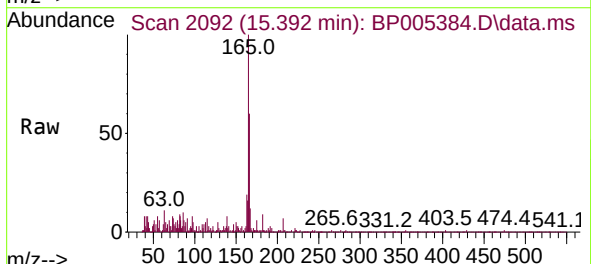
Instrument :
BNA_P
ClientSampled :
S-3

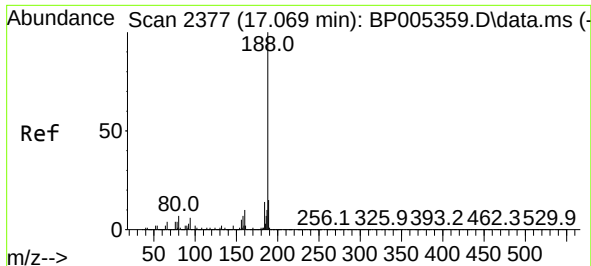
Tgt Ion:	165	Resp:	127
Ion Ratio	Lower	Upper	
165	100		
63	97.6	56.7	85.1#
89	163.7	85.8	128.6#
182	10.5	3.0	4.6#



#62
4-Nitroaniline
Concen: 3.88 ng
RT: 15.392 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:	138	Resp:	76
Ion Ratio	Lower	Upper	
138	100		
92	12.4	50.9	90.9#
108	13.3	154.7	194.7#

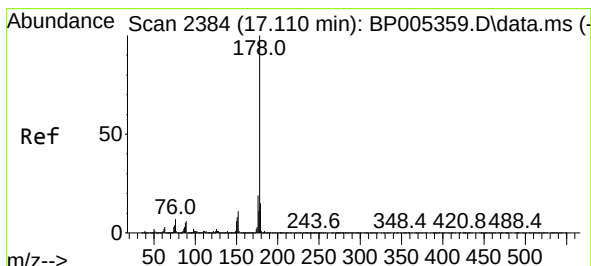
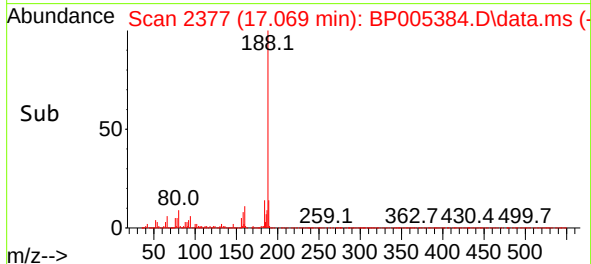
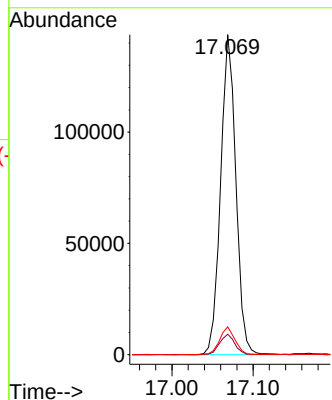
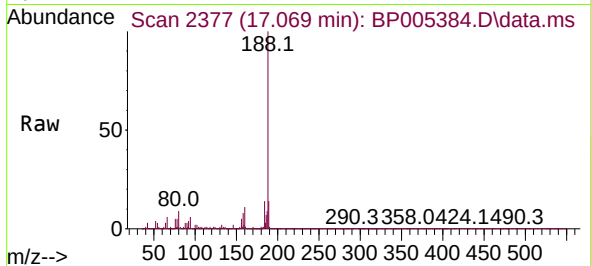




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.069 min Scan# 2377
Delta R.T. -0.000 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

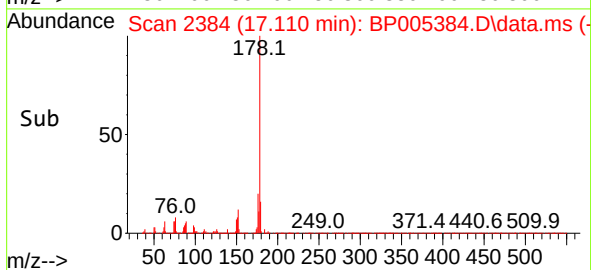
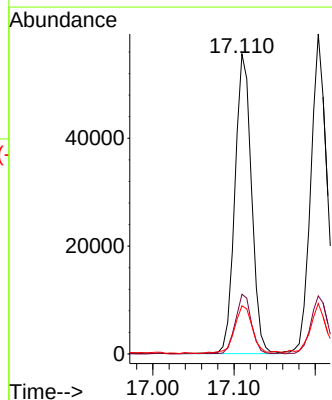
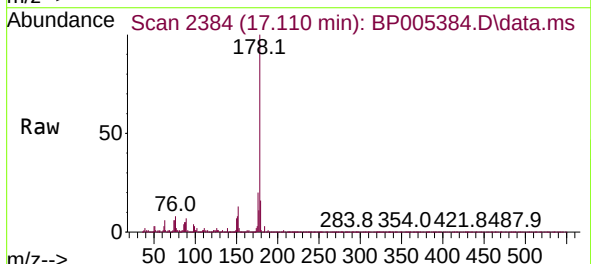
Instrument :
BNA_P
ClientSampled :
S-3

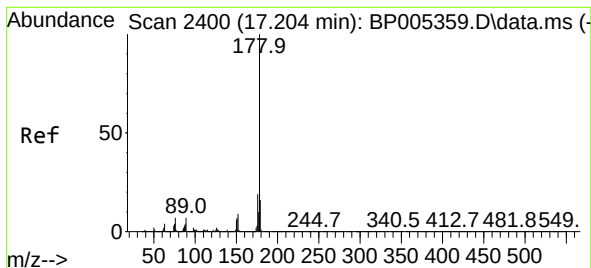
Tgt Ion:188 Resp: 188146
Ion Ratio Lower Upper
188 100
94 6.4 5.0 7.6
80 8.7 5.9 8.9



#71
Phenanthrene
Concen: 7.84 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.000 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:178 Resp: 78571
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 16.1 12.3 18.5





#72

Anthracene

Concen: 8.41 ng

RT: 17.204 min Scan# 2400

Delta R.T. -0.000 min

Lab File: BP005384.D

Acq: 22 Apr 2021 19:56

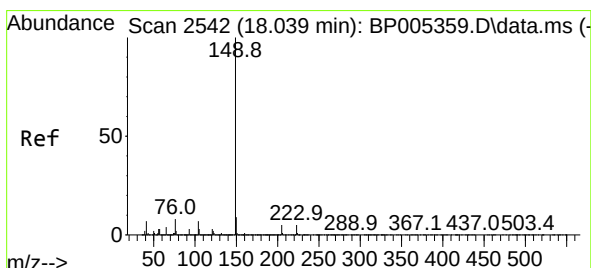
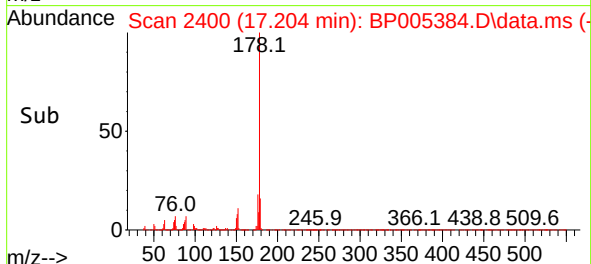
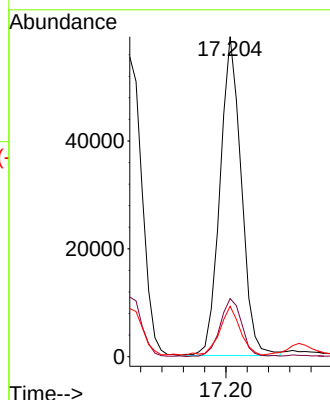
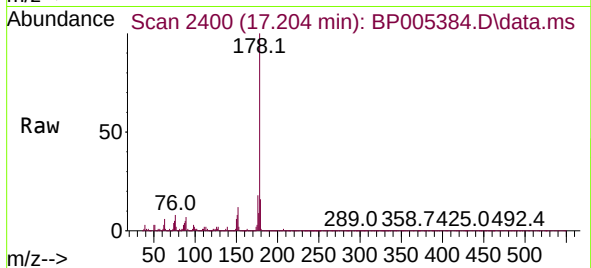
Instrument :

BNA_P

ClientSampled :

S-3

Tgt Ion:178	Resp:	82100
Ion Ratio	Lower	Upper
178	100	
176	18.2	15.2 22.8
179	15.7	12.6 19.0



#74

Di-n-butylphthalate

Concen: 4.00 ng

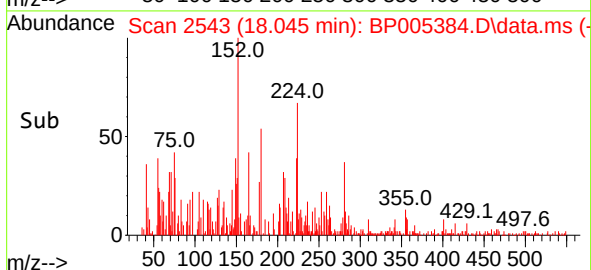
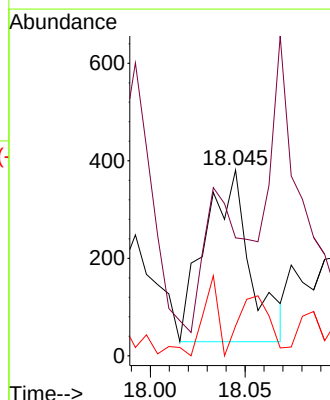
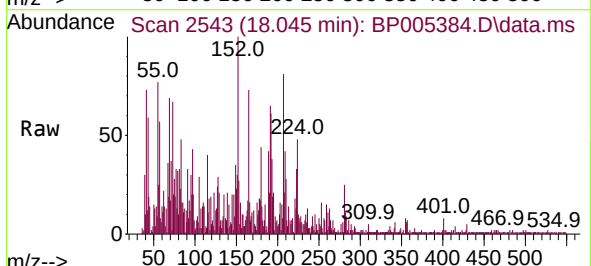
RT: 18.045 min Scan# 2543

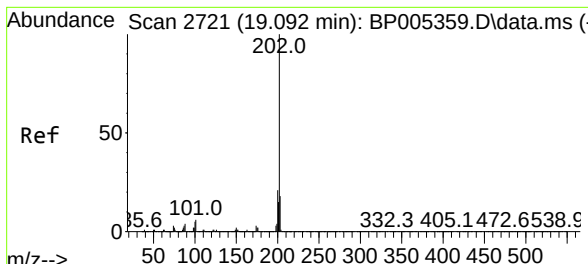
Delta R.T. 0.006 min

Lab File: BP005384.D

Acq: 22 Apr 2021 19:56

Tgt Ion:149	Resp:	585
Ion Ratio	Lower	Upper
149	100	
150	63.5	7.6 11.4#
104	16.0	8.9 13.3#

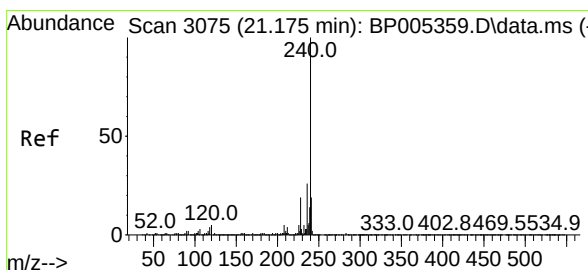
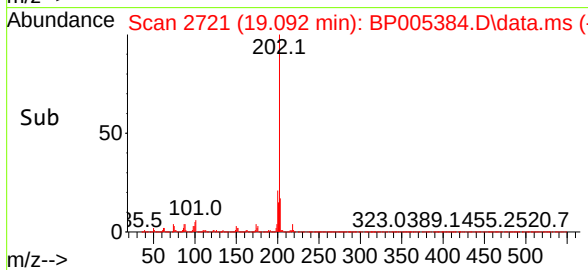
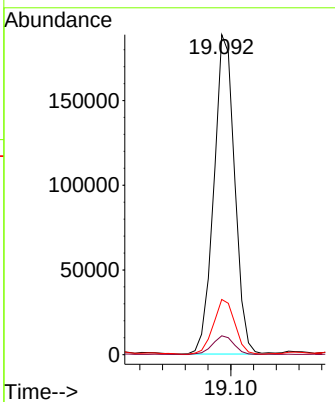
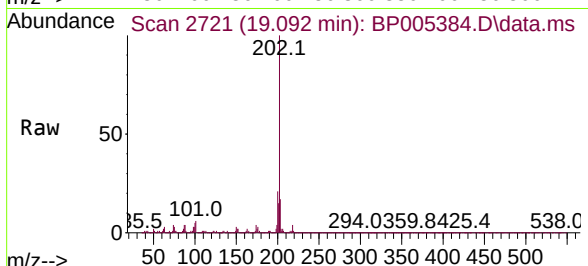




#75
 Fluoranthene
 Concen: 17.39 ng
 RT: 19.092 min Scan# 2721
 Delta R.T. -0.000 min
 Lab File: BP005384.D
 Acq: 22 Apr 2021 19:56

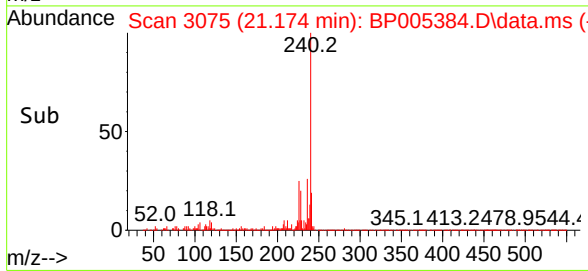
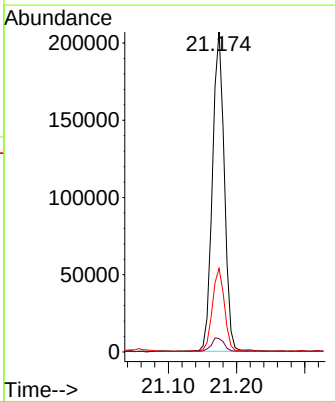
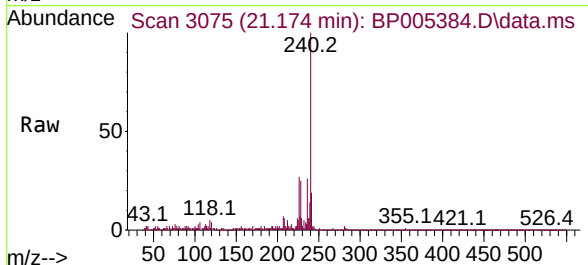
Instrument :
 BNA_P
 ClientSampleId :
 S-3

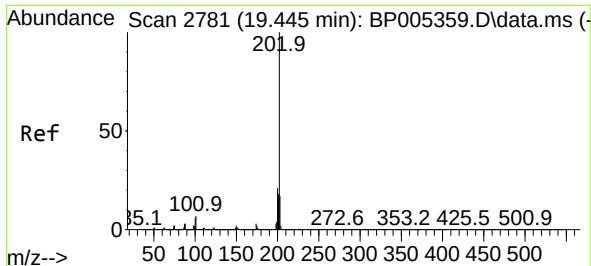
Tgt Ion:	202	Resp:	239345
Ion Ratio	Lower	Upper	
202	100		
101	5.9	0.0	26.1
203	17.3	0.0	37.2



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.174 min Scan# 3075
 Delta R.T. -0.001 min
 Lab File: BP005384.D
 Acq: 22 Apr 2021 19:56

Tgt Ion:	240	Resp:	250799
Ion Ratio	Lower	Upper	
240	100		
120	4.1	4.2	6.2#
236	26.1	20.2	30.2

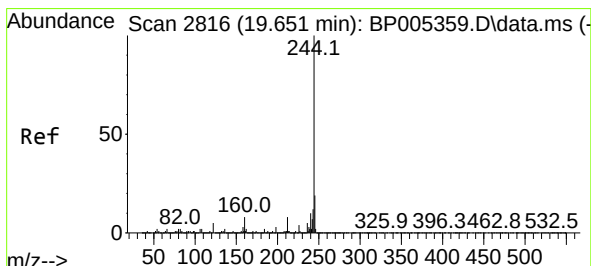
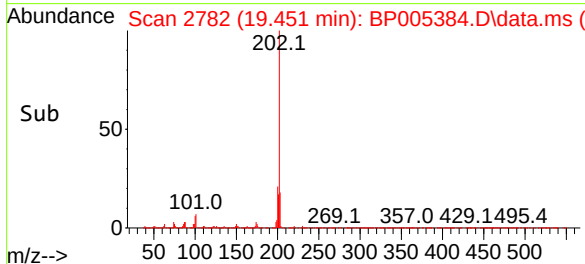
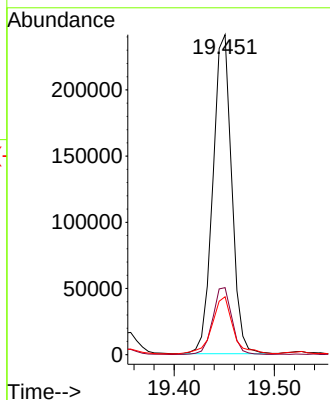
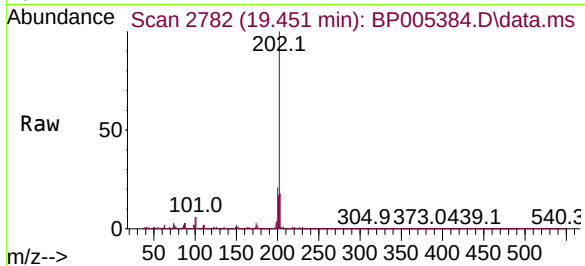




#78
Pyrene
Concen: 22.31 ng
RT: 19.451 min Scan# 2782
Delta R.T. 0.006 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

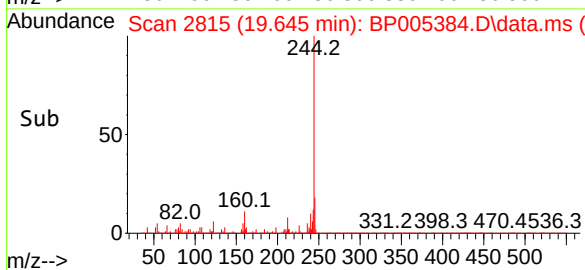
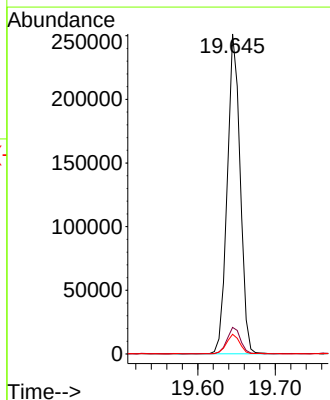
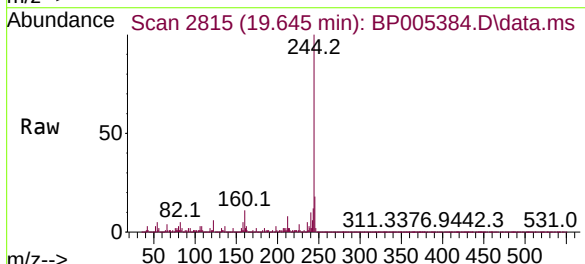
Instrument :
BNA_P
ClientSampled :
S-3

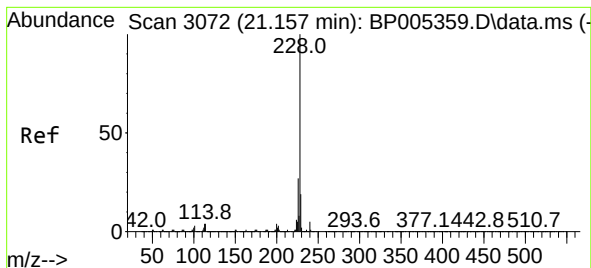
Tgt Ion:202 Resp: 313817
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 18.1 13.8 20.6



#79
Terphenyl-d14
Concen: 21.52 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:244 Resp: 291295
Ion Ratio Lower Upper
244 100
212 8.3 5.8 8.6
122 6.1 5.2 7.8

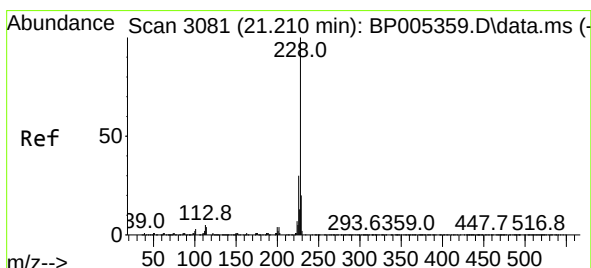
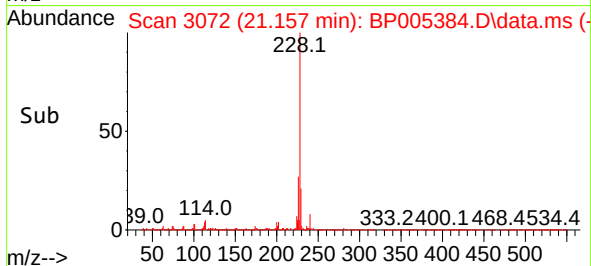
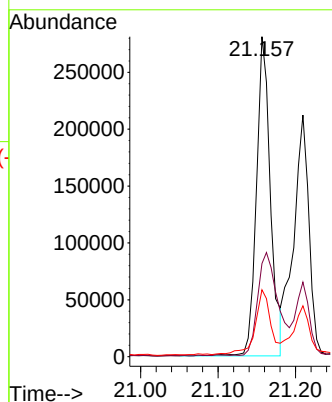
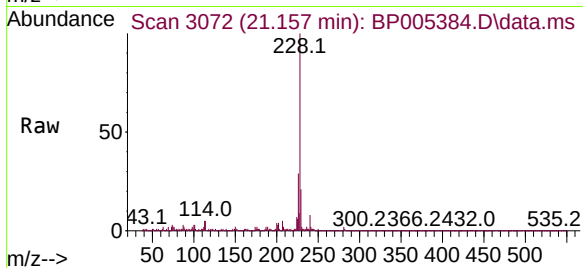




#81
Benzo(a)anthracene
Concen: 21.77 ng
RT: 21.157 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

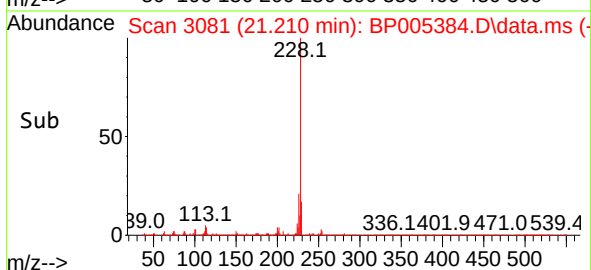
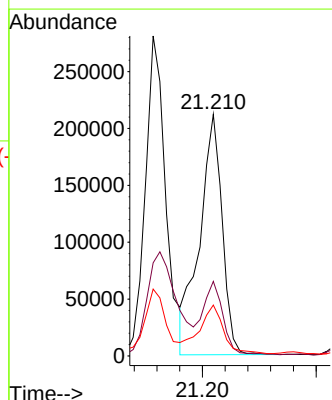
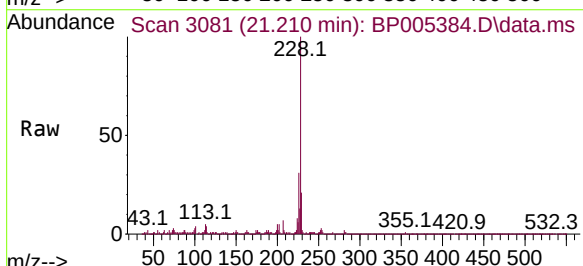
Instrument :
BNA_P
ClientSampled :
S-3

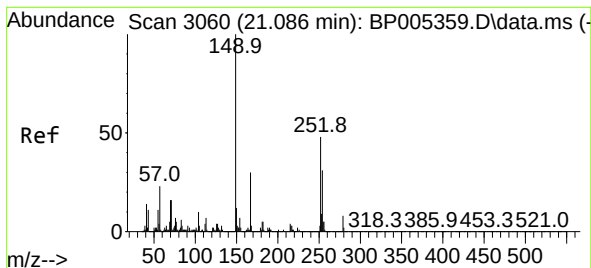
Tgt Ion:228 Resp: 351382
Ion Ratio Lower Upper
228 100
226 29.1 21.2 31.8
229 20.9 15.6 23.4



#83
Chrysene
Concen: 18.19 ng
RT: 21.210 min Scan# 3081
Delta R.T. -0.000 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:228 Resp: 292459
Ion Ratio Lower Upper
228 100
226 30.8 24.8 37.2
229 21.0 15.4 23.0

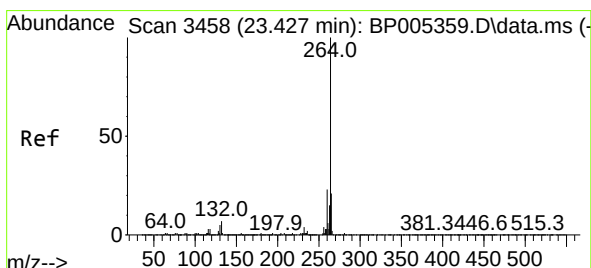
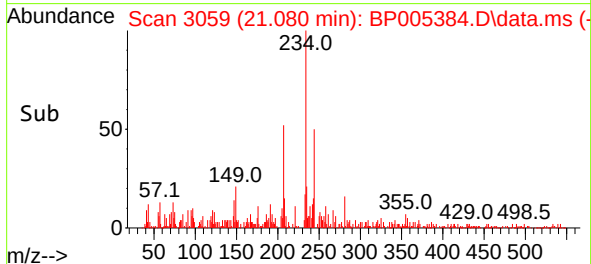
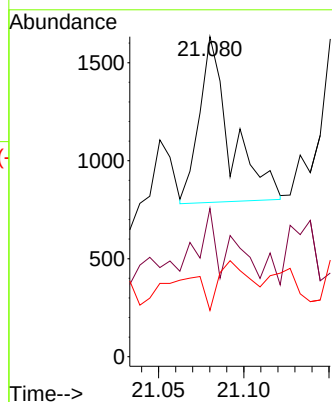
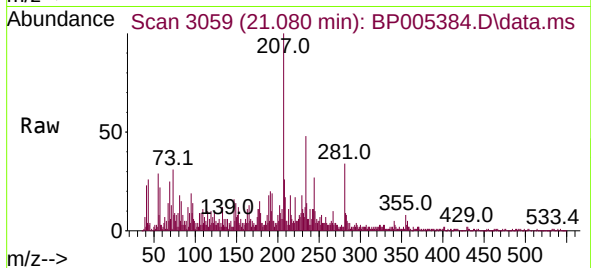




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.16 ng
RT: 21.080 min Scan# 3059
Delta R.T. -0.006 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

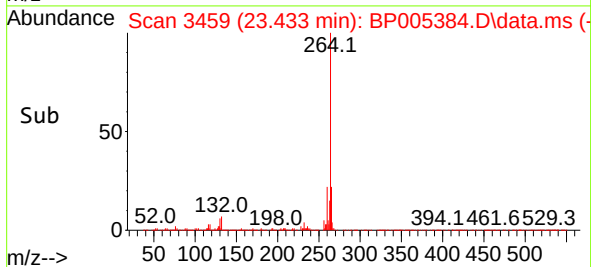
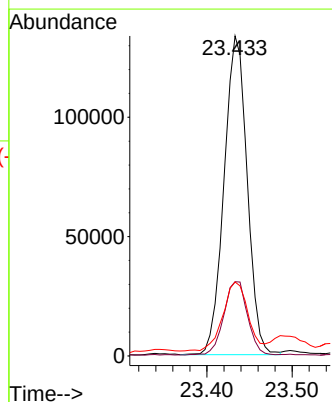
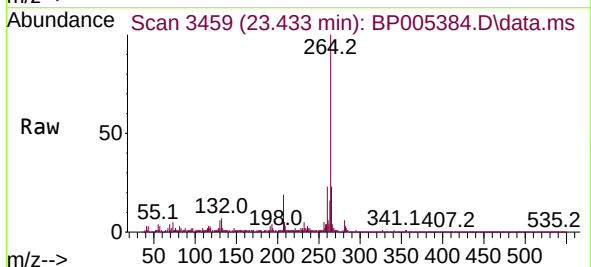
Instrument :
BNA_P
ClientSampled :
S-3

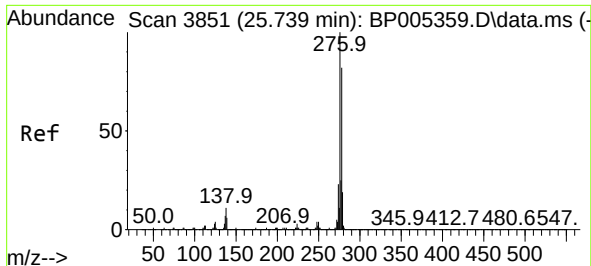
Tgt Ion:149 Resp: 1080
Ion Ratio Lower Upper
149 100
167 46.4 23.8 35.8#
279 14.5 5.7 8.5#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.433 min Scan# 3459
Delta R.T. 0.006 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:264 Resp: 251944
Ion Ratio Lower Upper
264 100
260 23.2 20.6 30.8
265 23.1 19.0 28.6

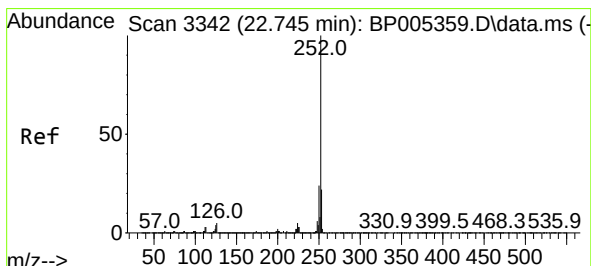
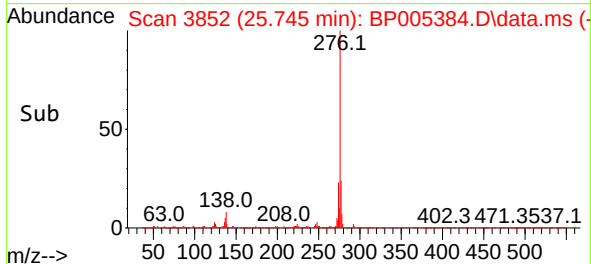
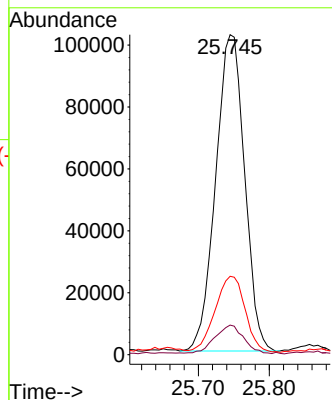
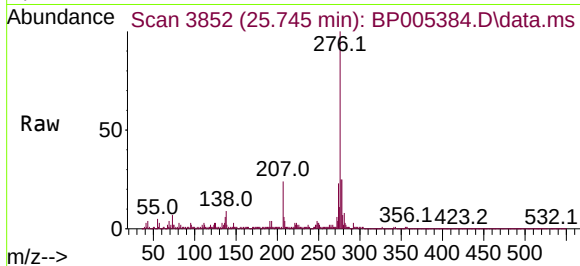




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 15.00 ng
 RT: 25.745 min Scan# 3852
 Delta R.T. 0.006 min
 Lab File: BP005384.D
 Acq: 22 Apr 2021 19:56

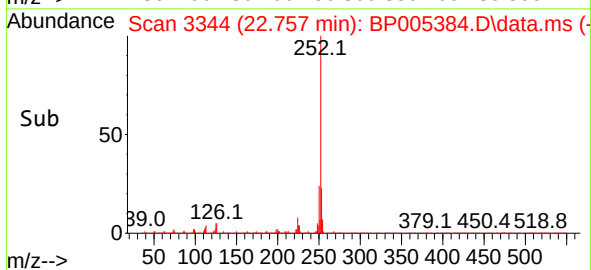
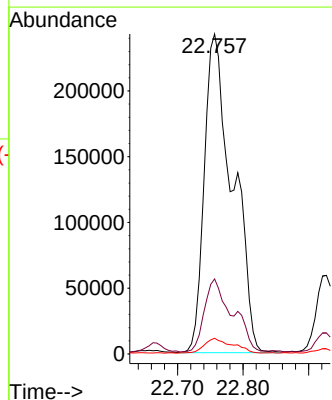
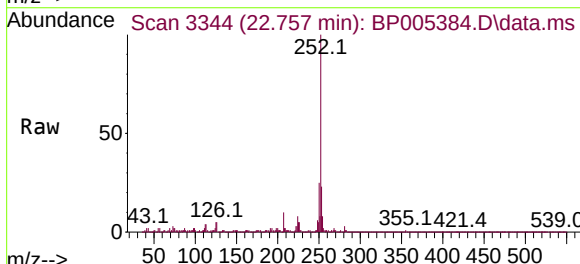
Instrument :
 BNA_P
 ClientSampled :
 S-3

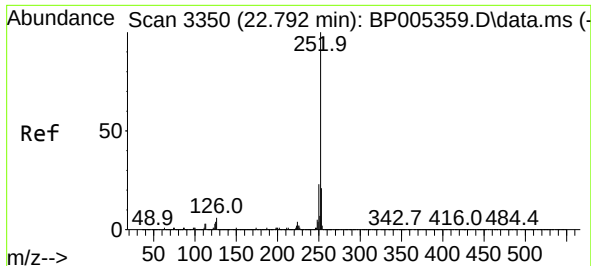
Tgt Ion:276 Resp: 288724
 Ion Ratio Lower Upper
 276 100
 138 8.9 8.4 12.6
 277 25.0 20.6 31.0



#88
 Benzo(b)fluoranthene
 Concen: 43.93 ng
 RT: 22.757 min Scan# 3344
 Delta R.T. 0.011 min
 Lab File: BP005384.D
 Acq: 22 Apr 2021 19:56

Tgt Ion:252 Resp: 728761
 Ion Ratio Lower Upper
 252 100
 253 23.5 18.2 27.2
 125 4.9 3.4 5.0

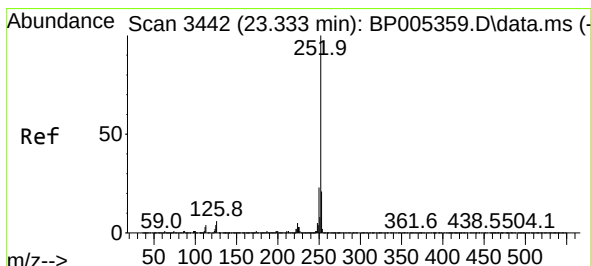
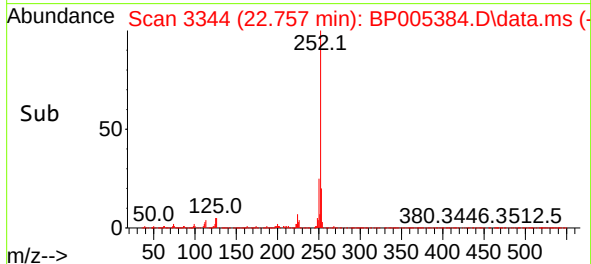
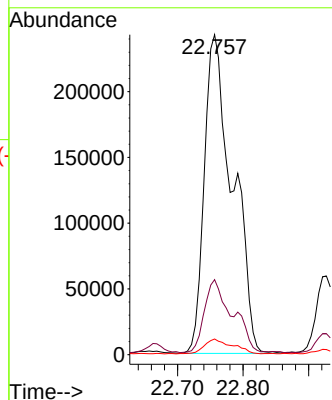
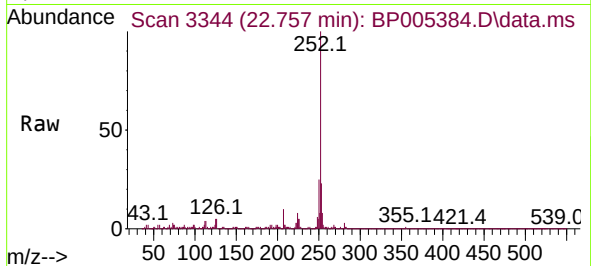




#89
Benzo(k)fluoranthene
Concen: 44.75 ng
RT: 22.757 min Scan# 3344
Delta R.T. -0.036 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

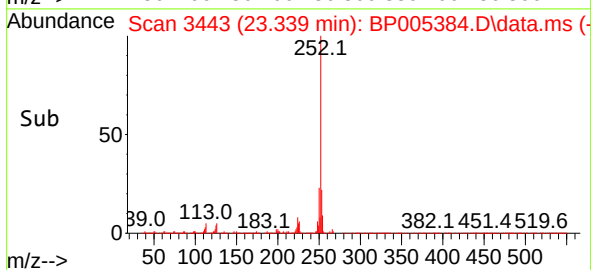
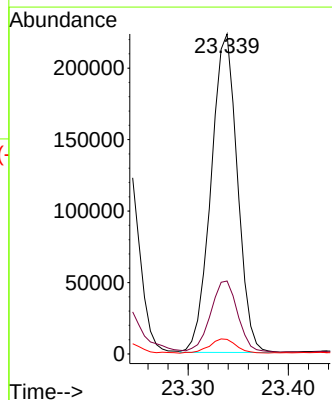
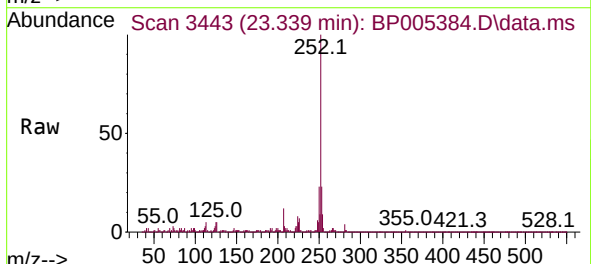
Instrument :
BNA_P
ClientSampled :
S-3

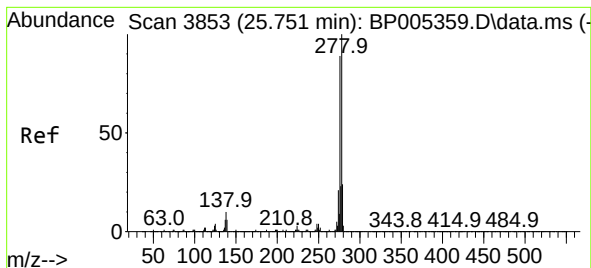
Tgt Ion:252 Resp: 728761
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 4.9 3.8 5.6



#90
Benzo(a)pyrene
Concen: 26.81 ng
RT: 23.339 min Scan# 3443
Delta R.T. 0.006 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:252 Resp: 405560
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 4.5 3.8 5.6

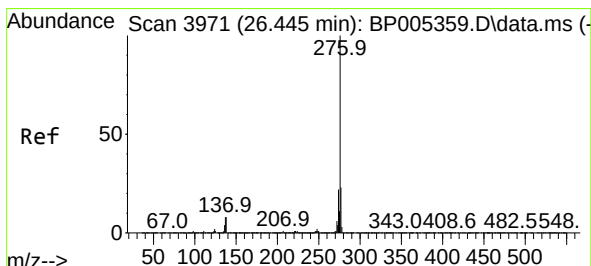
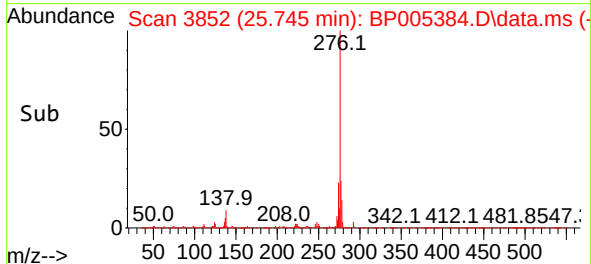
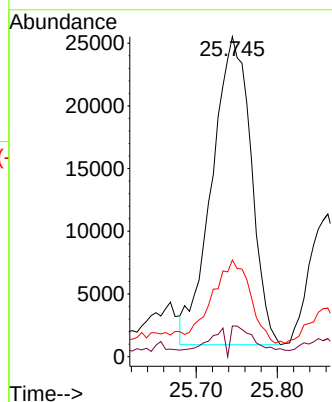
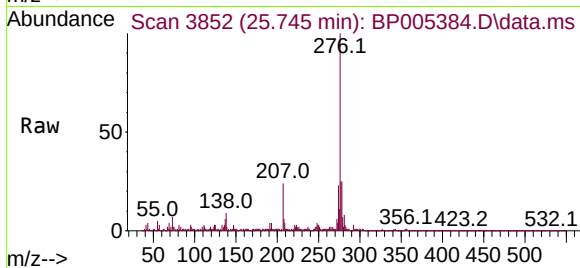




#91
Dibenzo(a,h)anthracene
Concen: 4.94 ng
RT: 25.745 min Scan# 3852
Delta R.T. -0.006 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Instrument :
BNA_P
ClientSampled :
S-3

Tgt Ion:278 Resp: 82324
Ion Ratio Lower Upper
278 100
139 9.6 5.0 7.6#
279 30.2 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 16.62 ng
RT: 26.462 min Scan# 3974
Delta R.T. 0.017 min
Lab File: BP005384.D
Acq: 22 Apr 2021 19:56

Tgt Ion:276 Resp: 259468
Ion Ratio Lower Upper
276 100
277 23.3 19.8 29.8
138 8.6 7.7 11.5

