

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051521\
 Data File : BP005578.D
 Acq On : 15 May 2021 20:36
 Operator : CG/JU
 Sample : M2383-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DUP-02-05122021

Quant Time: May 16 02:47:04 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 12:01:17 2021
 Response via : Initial Calibration

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

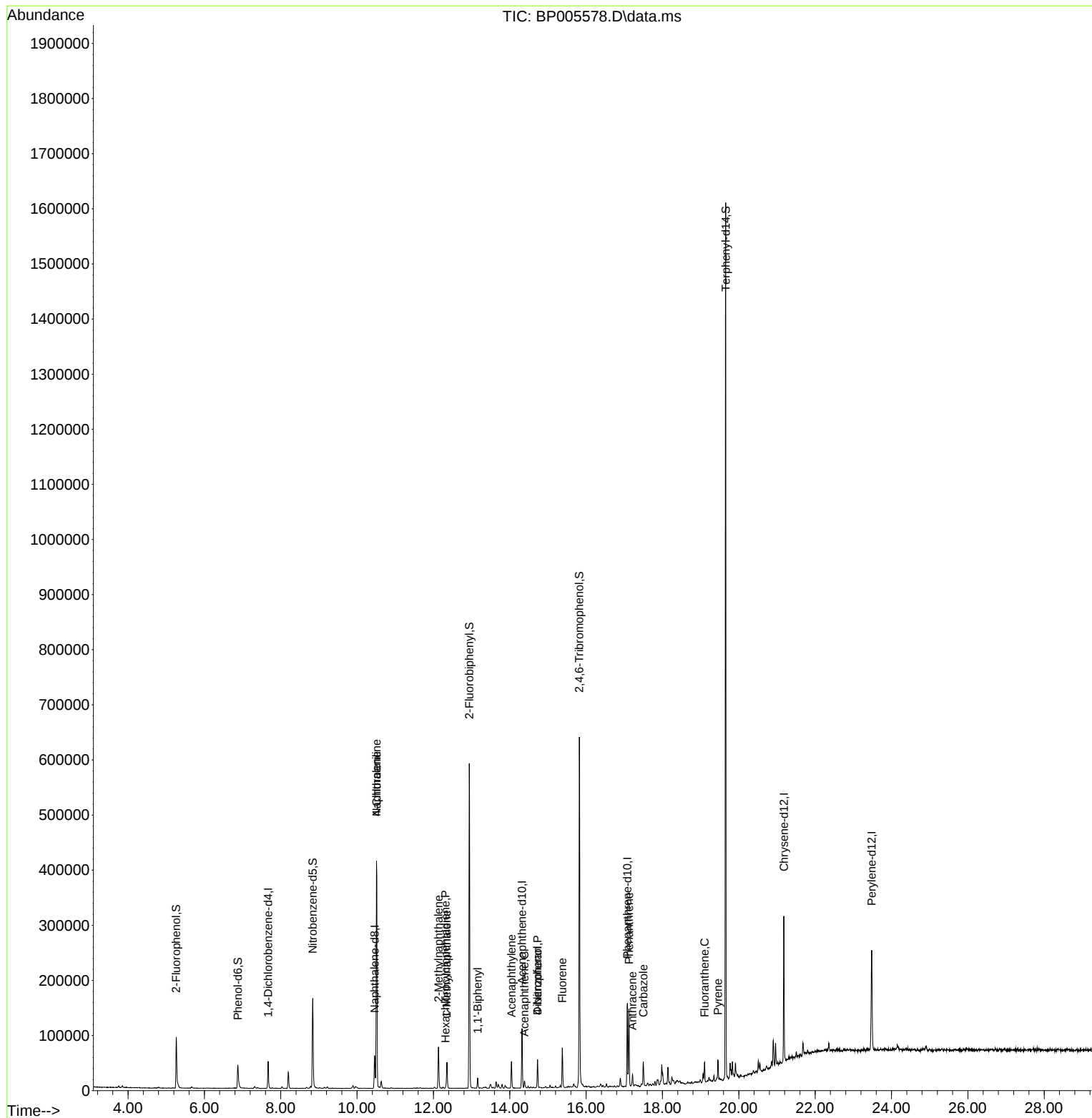
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	10303	20.00	ng	0.00
21) Naphthalene-d8	10.463	136	35250	20.00	ng	# 0.00
39) Acenaphthene-d10	14.322	164	29838	20.00	ng	-0.01
64) Phenanthrene-d10	17.081	188	82058	20.00	ng	# 0.00
76) Chrysene-d12	21.180	240	114604	20.00	ng	#-0.01
86) Perylene-d12	23.480	264	134641	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.264	112	30142	56.14	ng	0.00
7) Phenol-d6	6.875	99	20532	30.67	ng	0.00
23) Nitrobenzene-d5	8.840	82	86495	96.58	ng	-0.01
42) 2,4,6-Tribromophenol	15.822	330	117103	138.30	ng	-0.02
45) 2-Fluorobiphenyl	12.940	172	250224	94.60	ng	-0.01
79) Terphenyl-d14	19.657	244	624241	92.50	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.164	88	36	Below Cal	#	1
9) Benzaldehyde	6.816	77	11	Below Cal	#	1
31) Naphthalene	10.510	128	248331	131.01	ng	99
33) 4-Chloroaniline	10.510	127	34015	46.07	ng	# 36
37) 2-Methylnaphthalene	12.134	142	27186	17.88	ng	97
38) 1-Methylnaphthalene	12.351	142	16151	11.25	ng	96
41) Hexachlorocyclopentadiene	12.316	237	12	7.89	ng	78
46) 1,1'-Biphenyl	13.157	154	8322	3.62	ng	97
49) Acenaphthylene	14.045	152	25985	9.43	ng	# 97
52) Acenaphthene	14.387	154	4506	2.63	ng	89
55) Dibenzofuran	14.728	168	25688	7.96	ng	98
56) 4-Nitrophenol	14.728	139	10428	33.34	ng	# 1
58) Fluorene	15.375	166	26658	10.12	ng	# 86
71) Phenanthrene	17.122	178	73046	15.67	ng	99
72) Anthracene	17.216	178	12568	2.72	ng	98
73) Carbazole	17.498	167	24323	5.97	ng	98
75) Fluoranthene	19.104	202	18994	2.96	ng	95
78) Pyrene	19.451	202	22248	3.43	ng	96

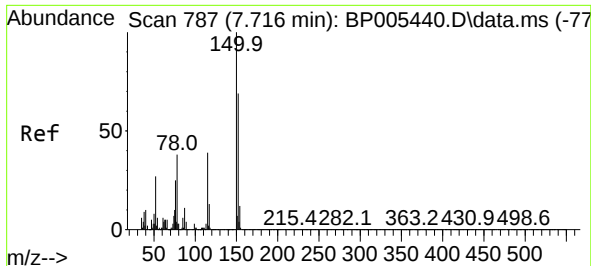
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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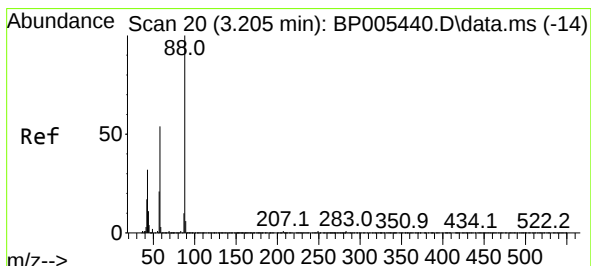
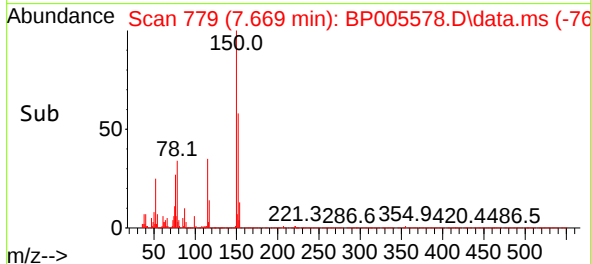
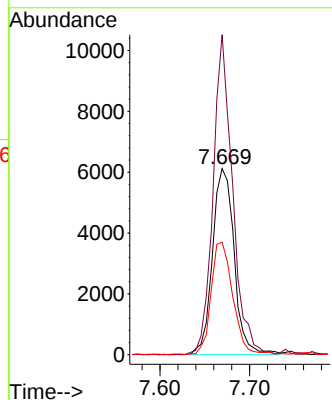
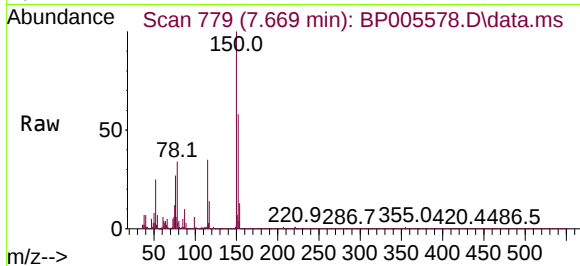




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.669 min Scan# 779
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

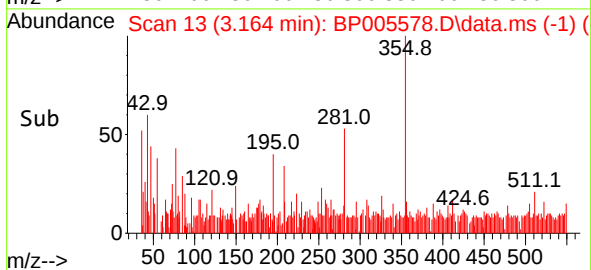
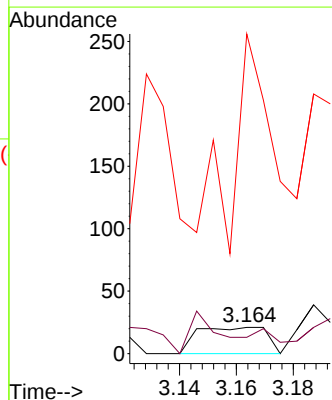
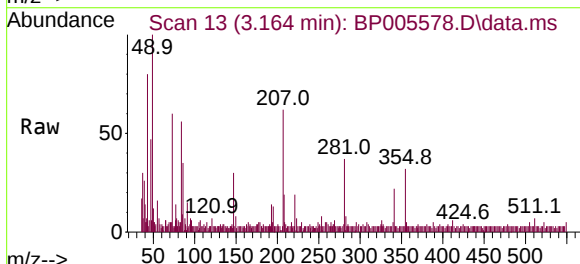
Instrument :
BNA_P
ClientSampleId :
DUP-02-05122021

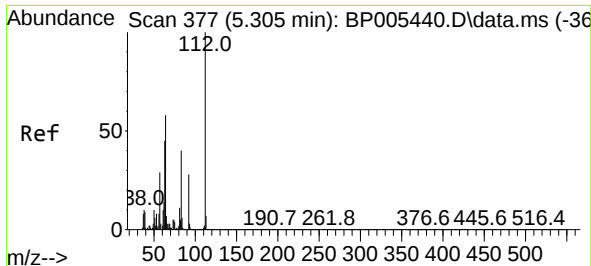
Tgt Ion:152 Resp: 10303
Ion Ratio Lower Upper
152 100
150 172.0 119.8 179.8
115 60.4 49.0 73.4



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.164 min Scan# 13
Delta R.T. 0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt Ion: 88 Resp: 36
Ion Ratio Lower Upper
88 100
58 75.0 42.5 63.7#
43 383.3 19.8 29.8#

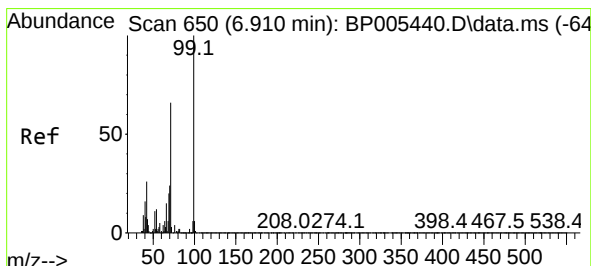
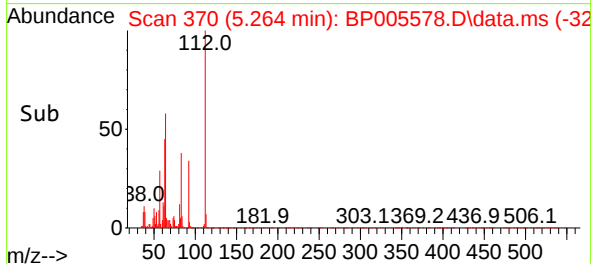
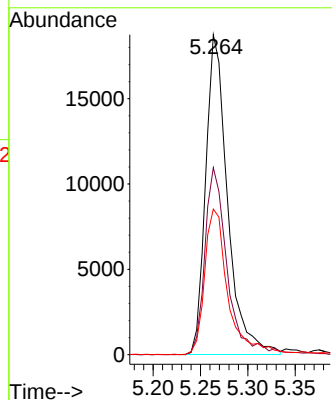
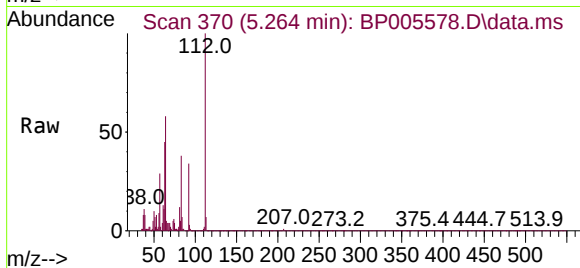




#5
2-Fluorophenol
Concen: 56.14 ng
RT: 5.264 min Scan# 370
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

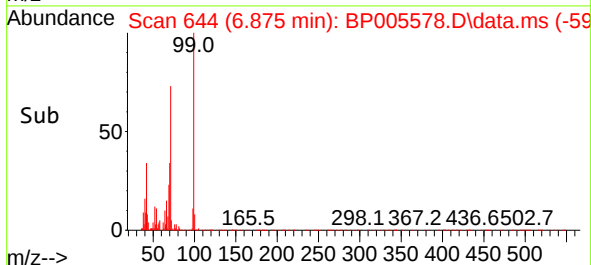
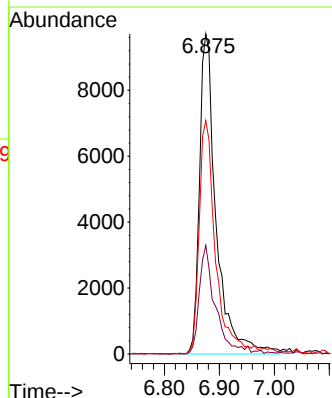
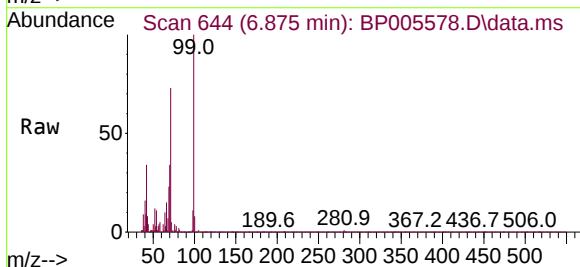
Instrument :
BNA_P
ClientSampleId :
DUP-02-05122021

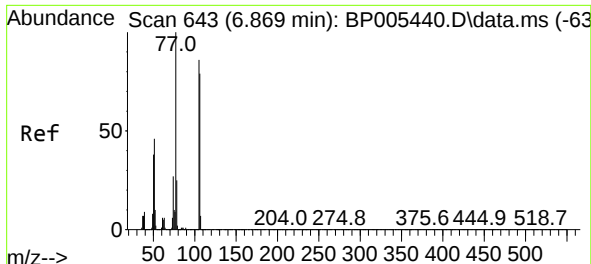
Tgt Ion:112 Resp: 30142
Ion Ratio Lower Upper
112 100
64 58.4 33.6 50.4#
63 45.5 18.6 27.8#



#7
Phenol-d6
Concen: 30.67 ng
RT: 6.875 min Scan# 644
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt Ion: 99 Resp: 20532
Ion Ratio Lower Upper
99 100
42 33.9 12.9 19.3#
71 72.9 26.7 40.1#

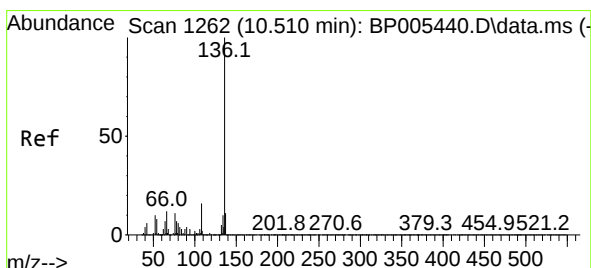
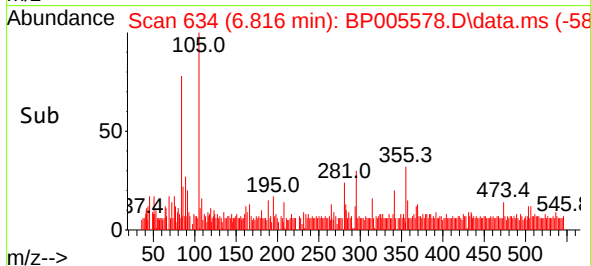
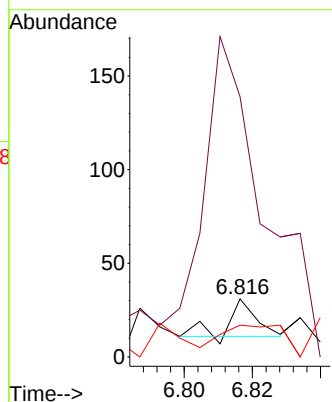
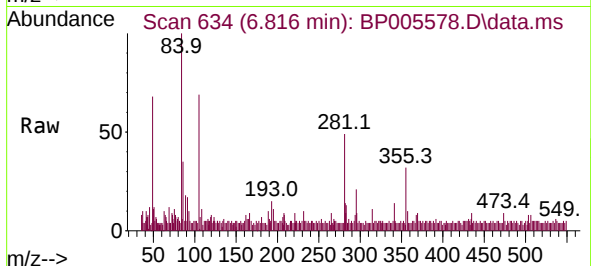




#9
Benzaldehyde
Concen: Below Cal
RT: 6.816 min Scan# 634
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

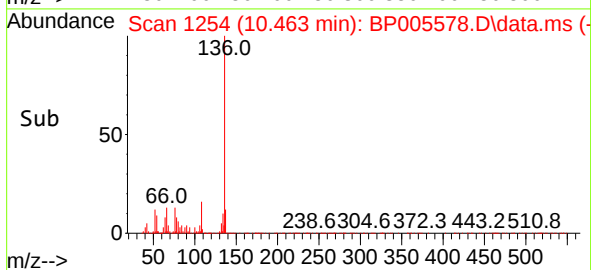
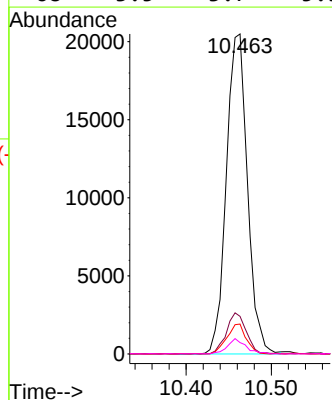
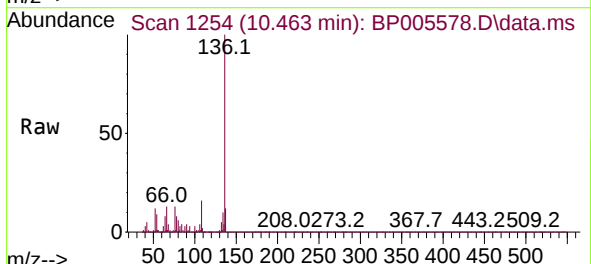
Instrument :
BNA_P
ClientSampleId :
DUP-02-05122021

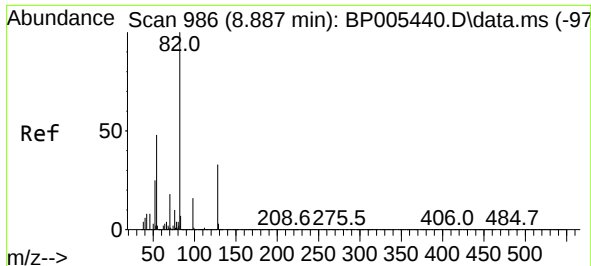
Tgt Ion: 77	Resp: 11
Ion Ratio	Lower Upper
77 100	
105 448.4	89.4 129.4#
106 54.8	79.9 119.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.463 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt	Ion:136	Resp:	35250
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.9	13.3
54	9.4	5.0	7.4#
68	3.5	3.7	5.5#

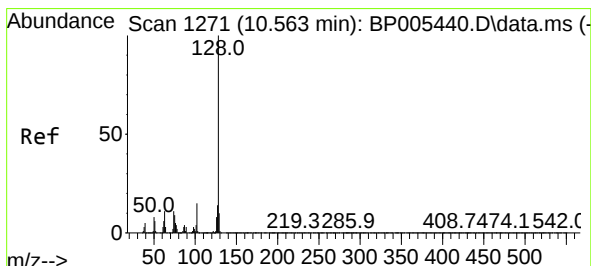
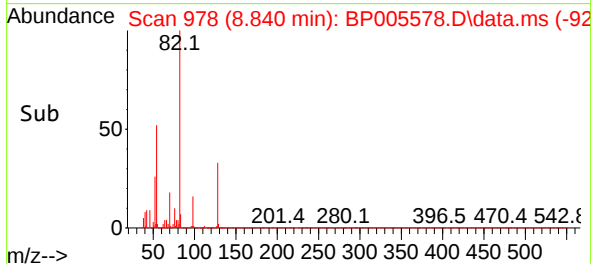
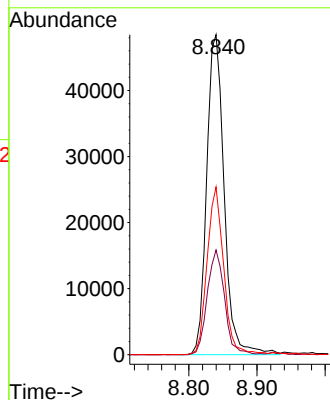
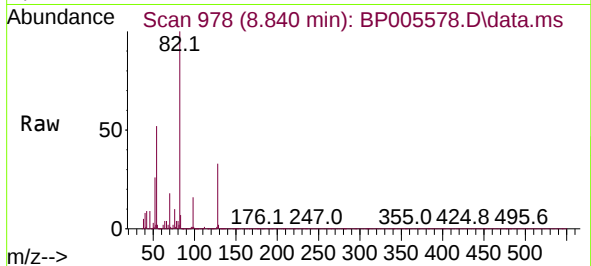




#23
Nitrobenzene-d5
Concen: 96.58 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

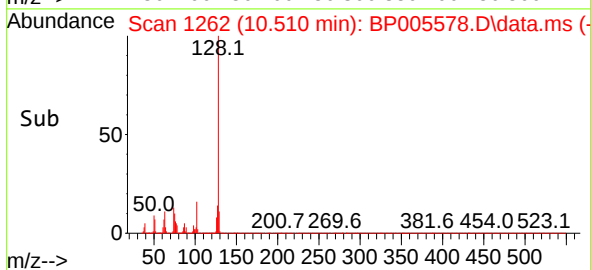
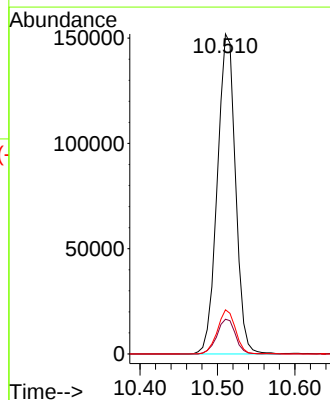
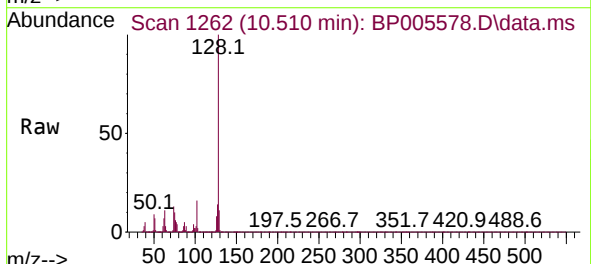
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ClientSampleId :
DUP-02-05122021

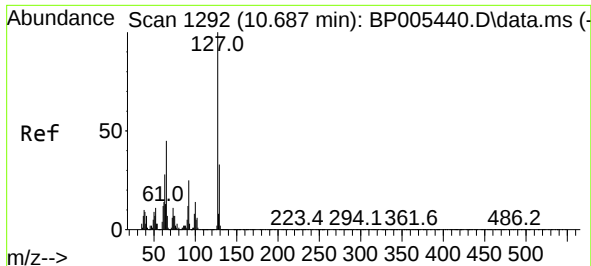
Tgt Ion: 82 Resp: 86495
Ion Ratio Lower Upper
82 100
128 32.7 30.5 45.7
54 52.4 33.9 50.9#



#31
Naphthalene
Concen: 131.01 ng
RT: 10.510 min Scan# 1262
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt Ion: 128 Resp: 248331
Ion Ratio Lower Upper
128 100
129 10.8 8.0 12.0
127 13.8 11.1 16.7

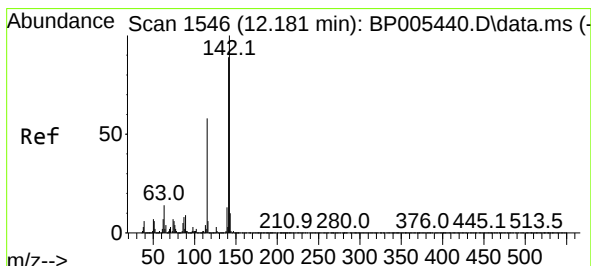
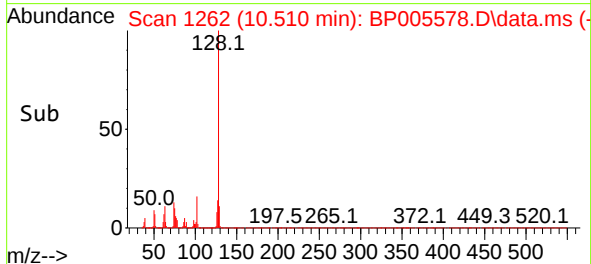
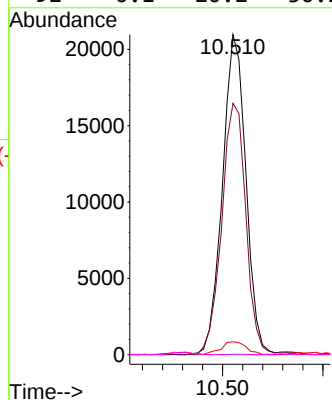
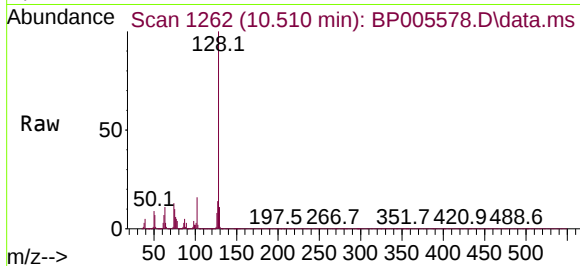




#33
4-Chloroaniline
Concen: 46.07 ng
RT: 10.510 min Scan# 1262
Delta R.T. -0.141 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

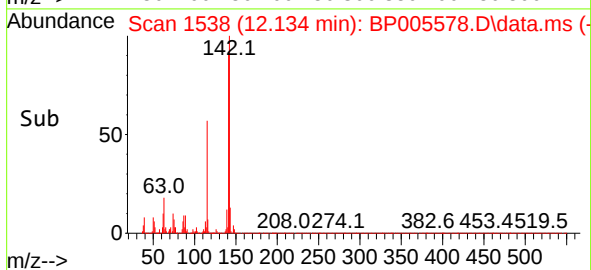
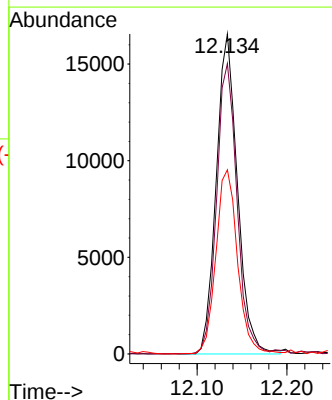
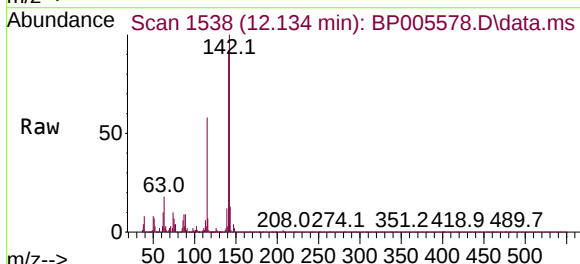
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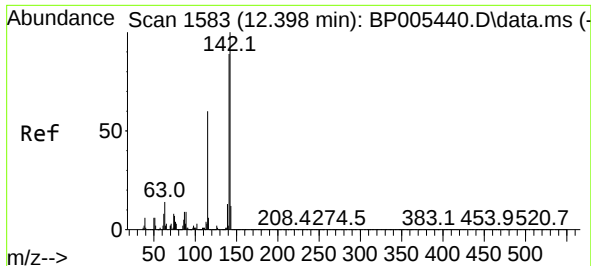
Tgt Ion:127	Resp:	34015
Ion Ratio	Lower	Upper
127	100	
129	78.5	25.5 38.3#
65	4.0	30.0 45.0#
92	0.1	20.2 30.2#



#37
2-Methylnaphthalene
Concen: 17.88 ng
RT: 12.134 min Scan# 1538
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt Ion:142	Resp:	27186
Ion Ratio	Lower	Upper
142	100	
141	90.8	74.7 112.1
115	57.6	43.8 65.8

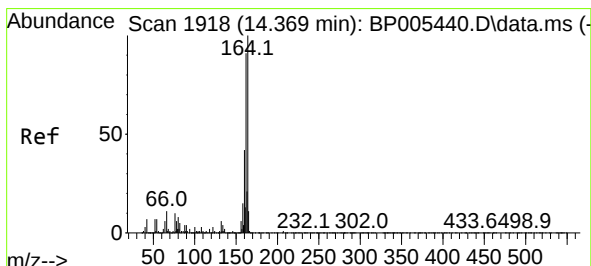
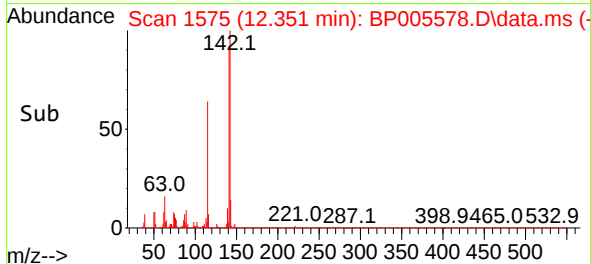
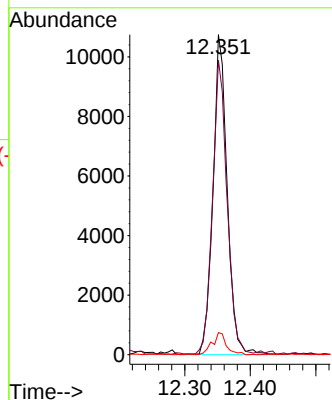
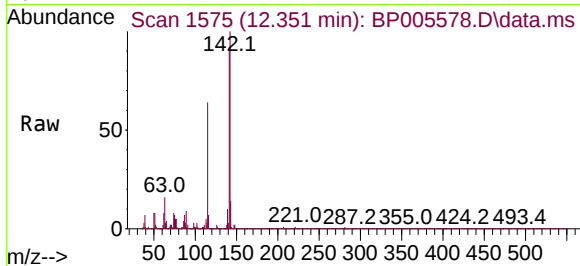




#38
1-Methylnaphthalene
Concen: 11.25 ng
RT: 12.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

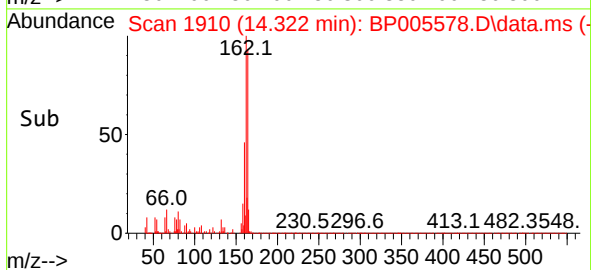
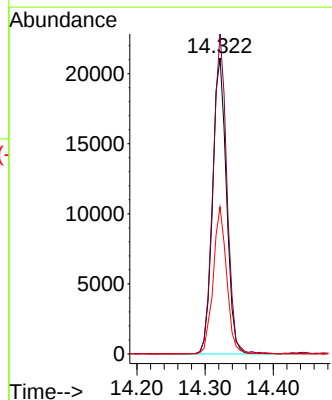
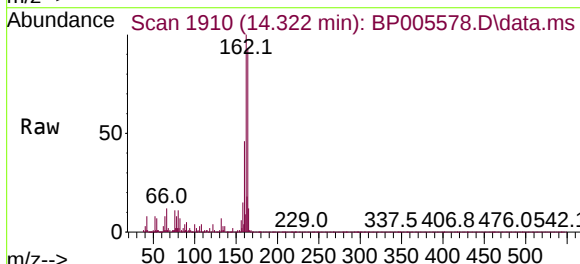
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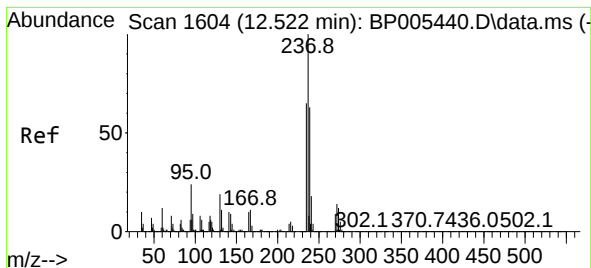
Tgt Ion:142 Resp: 16151
Ion Ratio Lower Upper
142 100
141 92.0 77.0 115.6
116 6.9 5.0 7.6



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.322 min Scan# 1910
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt Ion:164 Resp: 29838
Ion Ratio Lower Upper
164 100
162 108.1 73.5 110.3
160 49.7 40.6 61.0

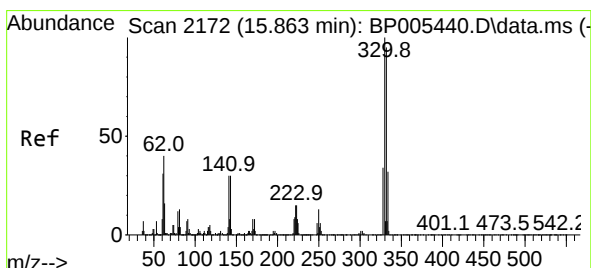
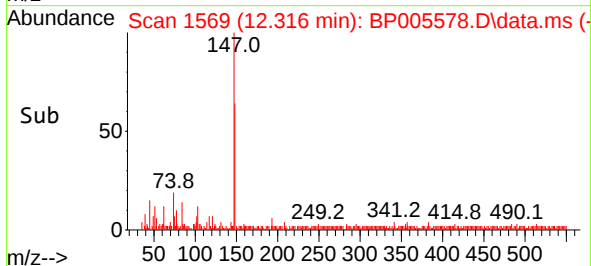
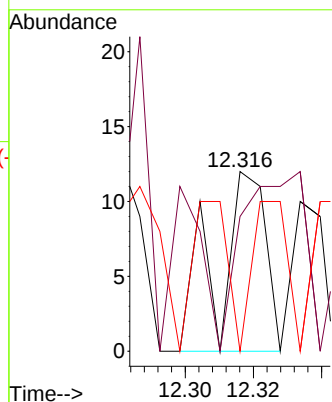
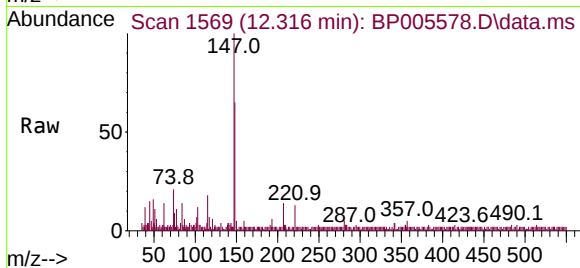




#41
Hexachlorocyclopentadiene
Concen: 7.89 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.165 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

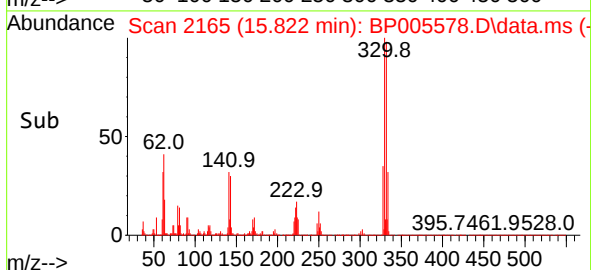
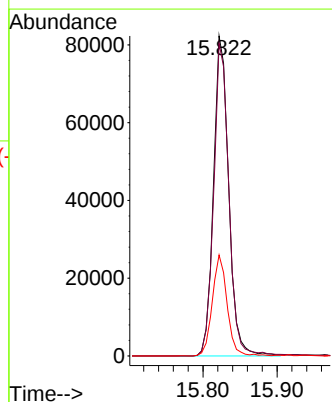
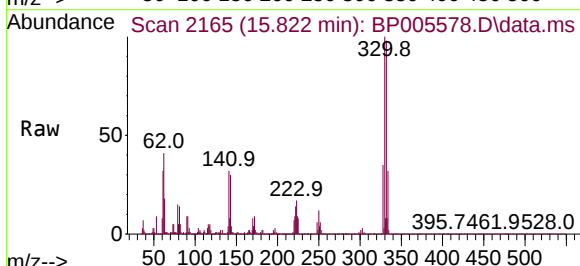
Instrument :
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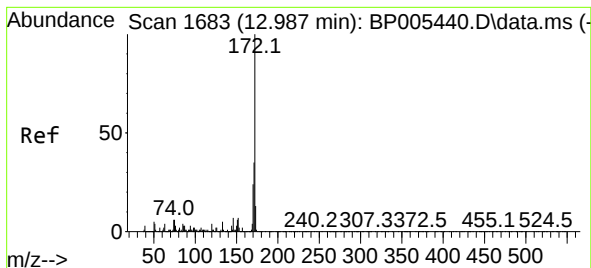
Tgt Ion:237	Resp:	12
Ion Ratio	Lower	Upper
237	100	
235	75.0	40.9 80.9
272	0.0	0.0 34.6



#42
2,4,6-Tribromophenol
Concen: 138.30 ng
RT: 15.822 min Scan# 2165
Delta R.T. -0.018 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt Ion:330	Resp:	117103
Ion Ratio	Lower	Upper
330	100	
332	98.5	76.3 114.5
141	30.8	22.8 34.2

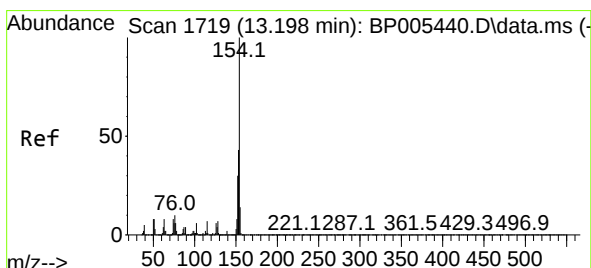
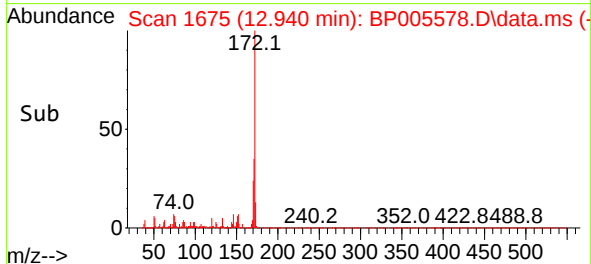
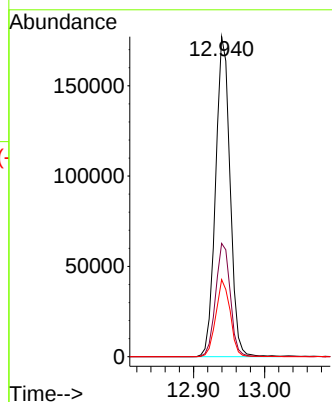
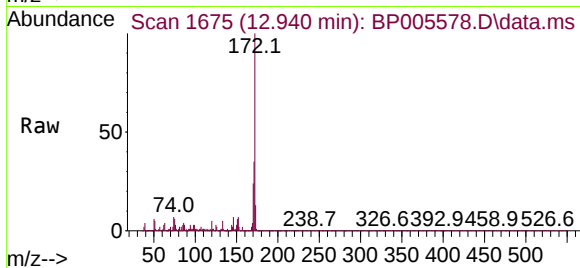




#45
2-Fluorobiphenyl
Concen: 94.60 ng
RT: 12.940 min Scan# 1675
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

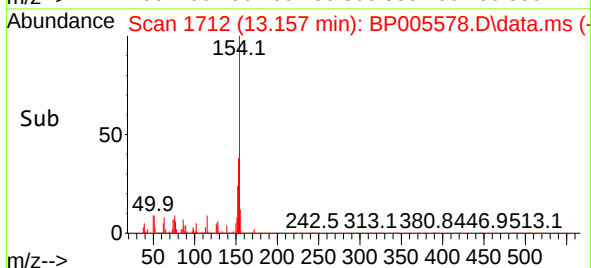
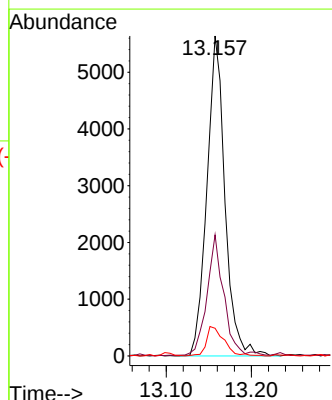
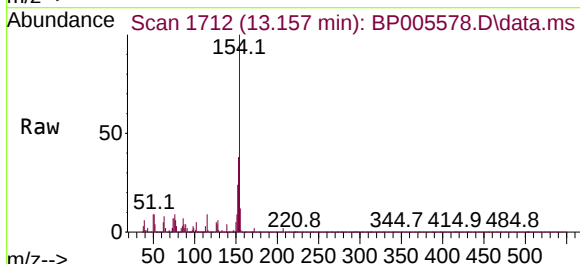
Instrument :
BNA_P
ClientSampleId :
DUP-02-05122021

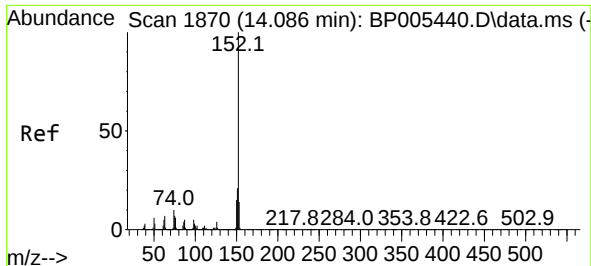
Tgt Ion:172 Resp: 250224
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 24.1 19.6 29.4



#46
1,1'-Biphenyl
Concen: 3.62 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt Ion:154 Resp: 8322
Ion Ratio Lower Upper
154 100
153 37.9 18.9 58.9
76 8.7 0.0 32.1

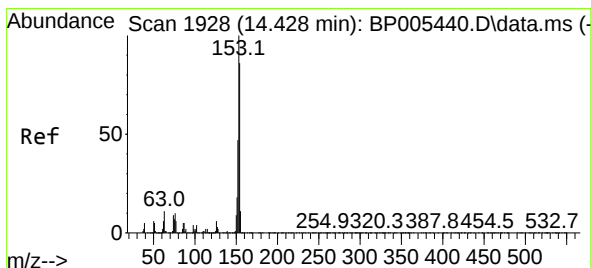
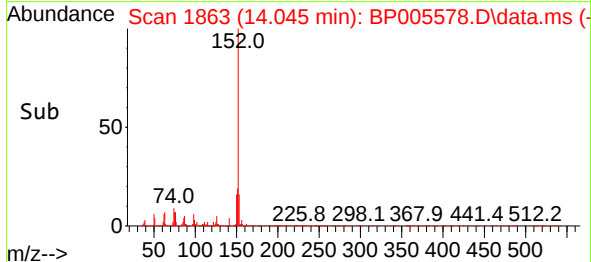
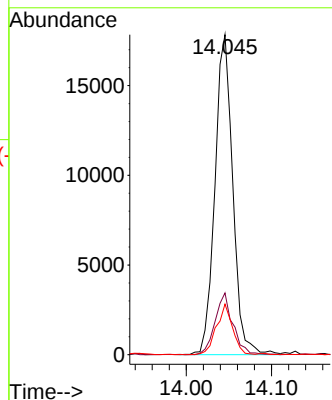
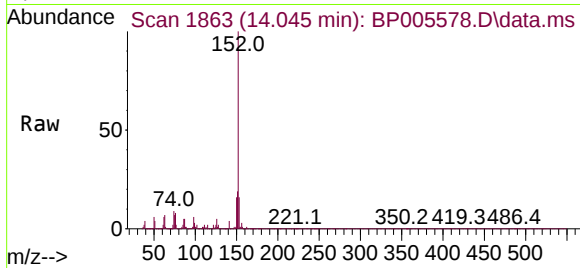




#49
Acenaphthylene
Concen: 9.43 ng
RT: 14.045 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

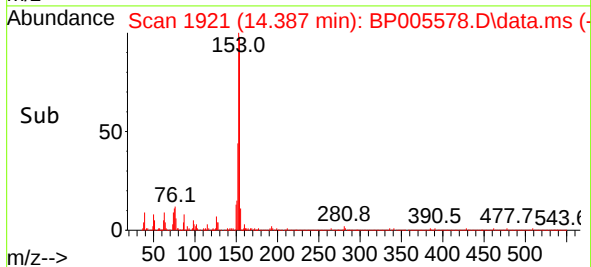
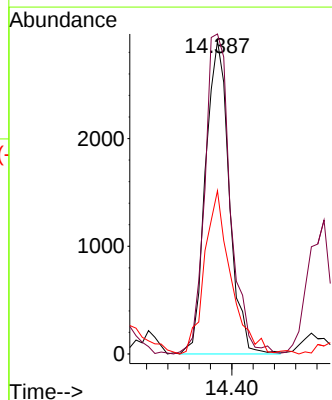
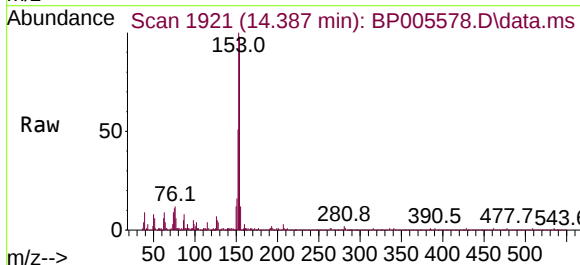
Instrument :
BNA_P
ClientSampleId :
DUP-02-05122021

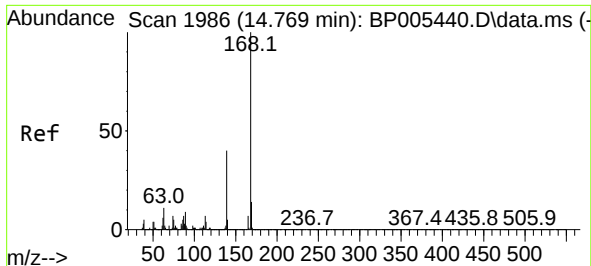
Tgt Ion:152 Resp: 25985
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.6
153 15.8 10.5 15.7#



#52
Acenaphthene
Concen: 2.63 ng
RT: 14.387 min Scan# 1921
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt Ion:154 Resp: 4506
Ion Ratio Lower Upper
154 100
153 102.2 90.9 136.3
152 52.1 48.5 72.7

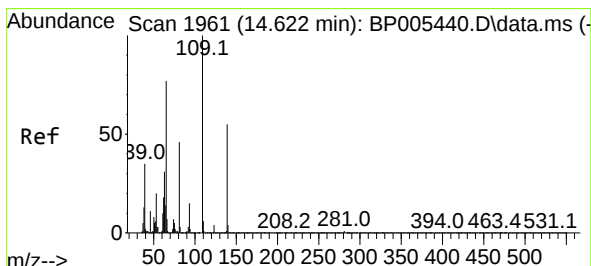
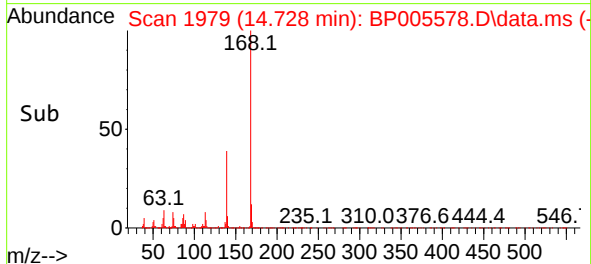
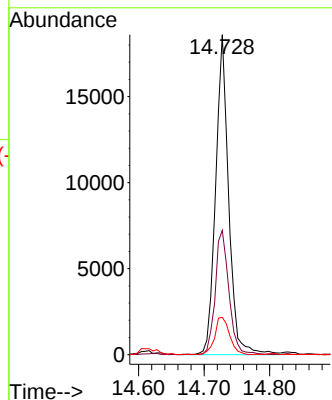
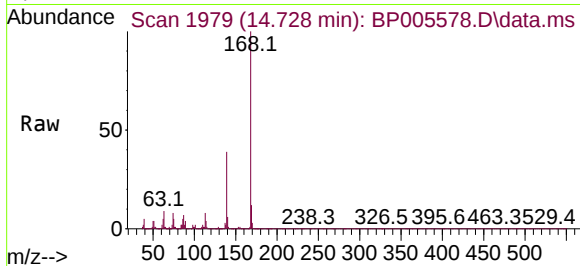




#55
Dibenzenofuran
Concen: 7.96 ng
RT: 14.728 min Scan# 1979
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

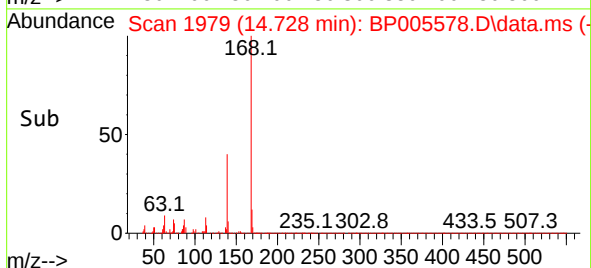
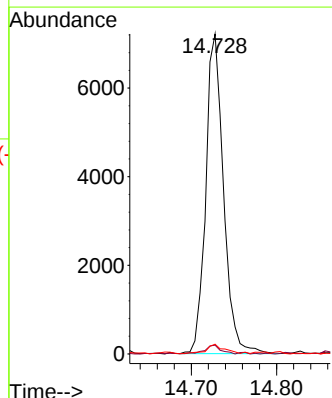
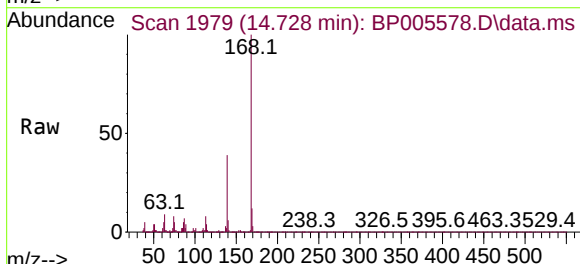
Instrument :
BNA_P
ClientSampleId :
DUP-02-05122021

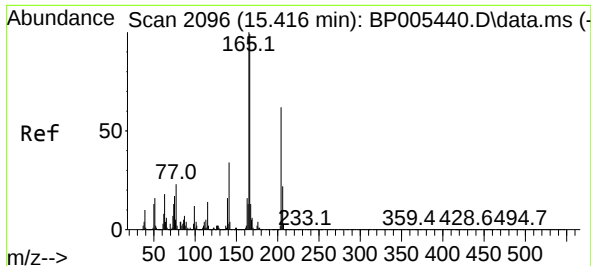
Tgt Ion:168	Resp:	25688
Ion Ratio	Lower	Upper
168	100	
139	38.8	31.4 47.0
169	11.7	11.4 17.0



#56
4-Nitrophenol
Concen: 33.34 ng
RT: 14.728 min Scan# 1979
Delta R.T. 0.118 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt Ion:139	Resp:	10428
Ion Ratio	Lower	Upper
139	100	
109	2.8	122.8 162.8#
65	3.7	110.0 150.0#

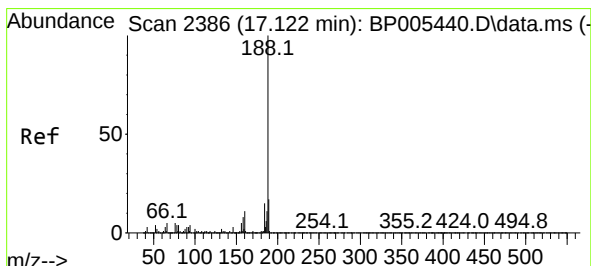
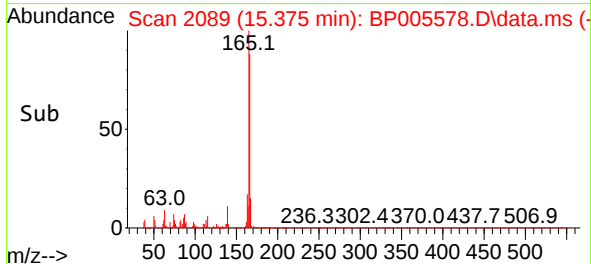
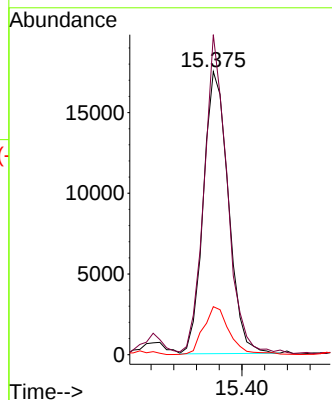
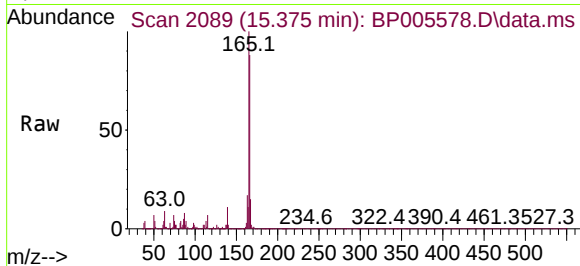




#58
Fluorene
Concen: 10.12 ng
RT: 15.375 min Scan# 2089
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

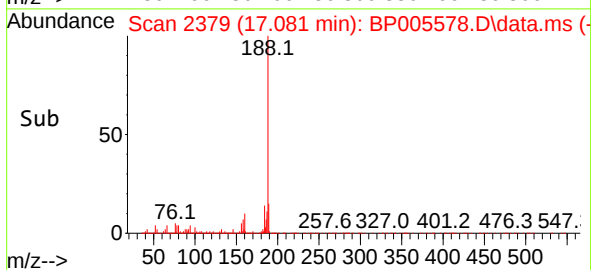
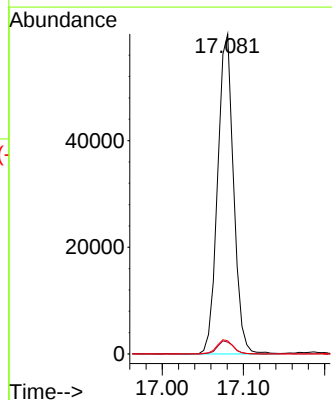
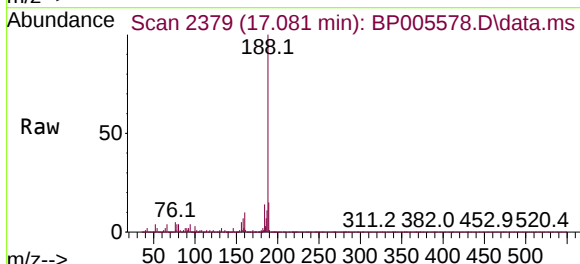
Instrument :
BNA_P
ClientSampleId :
DUP-02-05122021

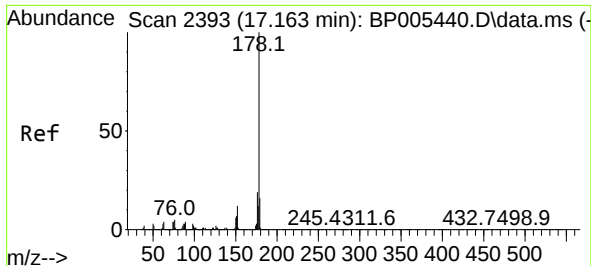
Tgt Ion:166 Resp: 26658
Ion Ratio Lower Upper
166 100
165 113.0 78.8 118.2
167 17.0 10.9 16.3#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt Ion:188 Resp: 82058
Ion Ratio Lower Upper
188 100
94 3.7 5.0 7.6#
80 4.1 5.9 8.9#

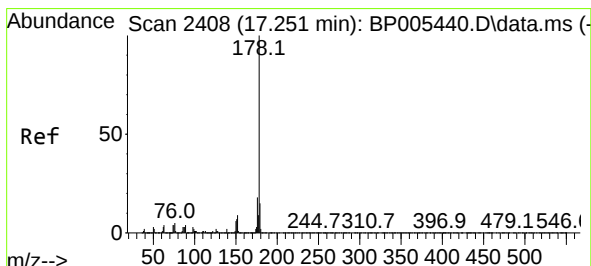
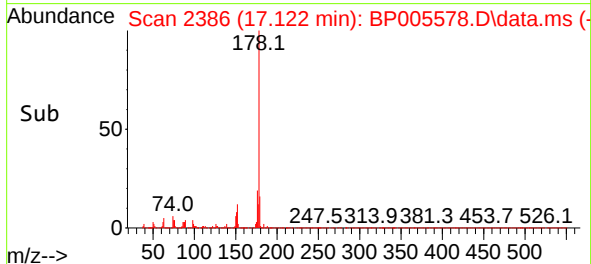
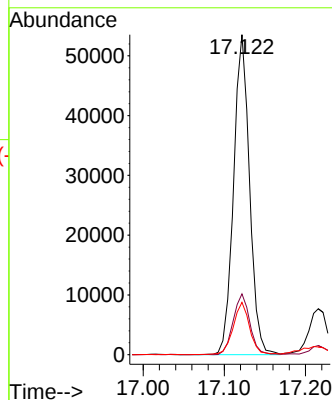
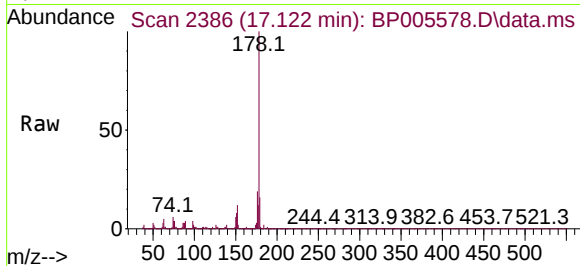




#71
Phenanthrene
Concen: 15.67 ng
RT: 17.122 min Scan# 2386
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

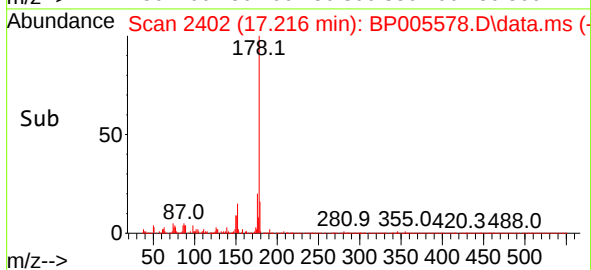
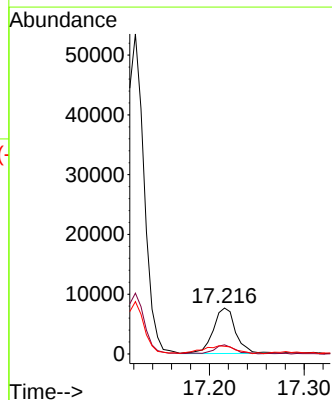
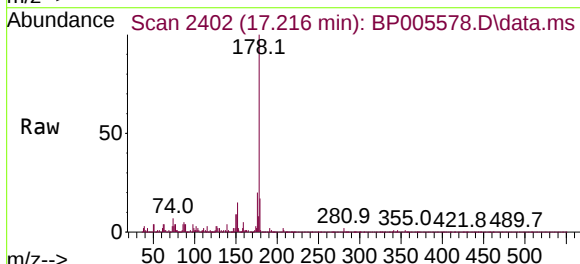
Instrument :
BNA_P
ClientSampleId :
DUP-02-05122021

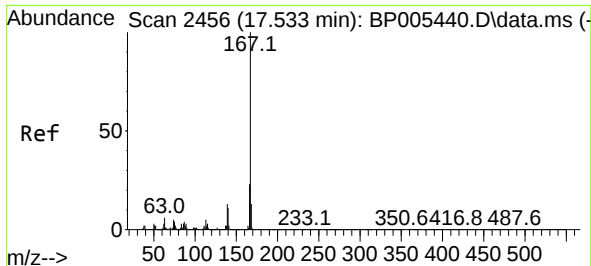
Tgt Ion:178 Resp: 73046
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 16.4 12.3 18.5



#72
Anthracene
Concen: 2.72 ng
RT: 17.216 min Scan# 2402
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt Ion:178 Resp: 12568
Ion Ratio Lower Upper
178 100
176 19.9 15.2 22.8
179 16.7 12.6 19.0

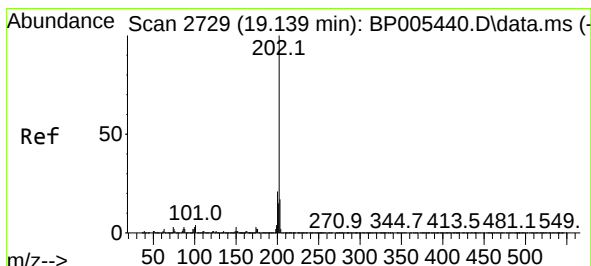
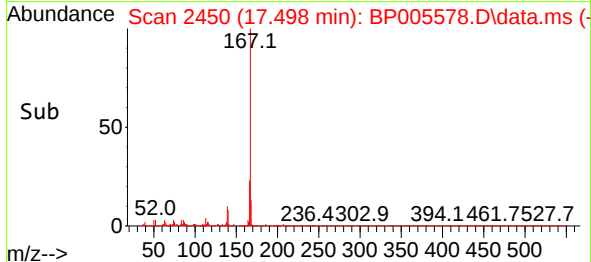
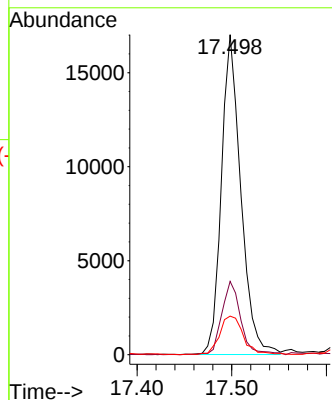
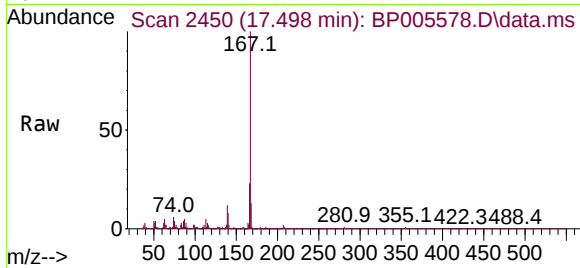




#73
 Carbazole
 Concen: 5.97 ng
 RT: 17.498 min Scan# 2450
 Delta R.T. -0.012 min
 Lab File: BP005578.D
 Acq: 15 May 2021 20:36

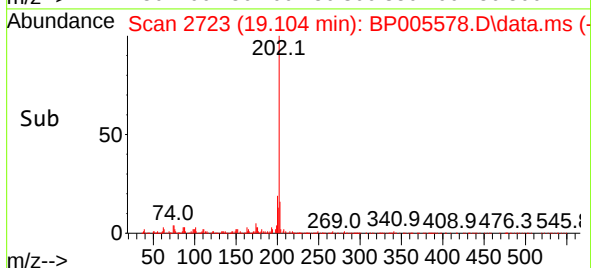
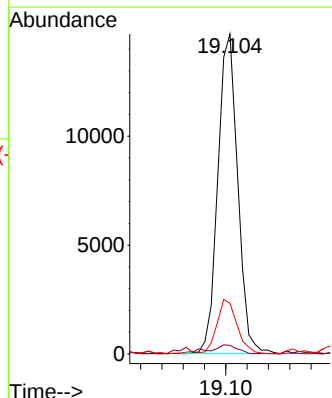
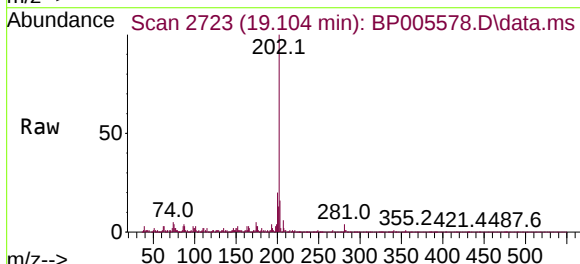
Instrument :
 BNA_P
 ClientSampleId :
 DUP-02-05122021

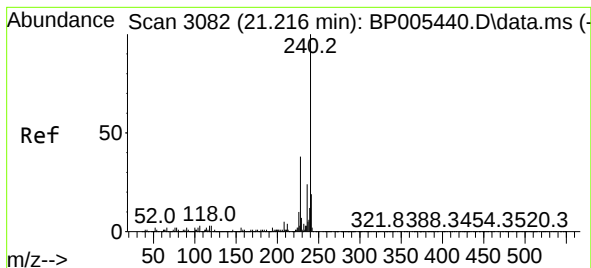
Tgt Ion:	167	Resp:	24323
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.4	26.0
139	12.1	10.4	15.6



#75
 Fluoranthene
 Concen: 2.96 ng
 RT: 19.104 min Scan# 2723
 Delta R.T. -0.006 min
 Lab File: BP005578.D
 Acq: 15 May 2021 20:36

Tgt Ion:	202	Resp:	18994
Ion Ratio	Lower	Upper	
202	100		
101	2.7	0.0	26.1
203	15.9	0.0	37.2





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.180 min Scan# 3076

Delta R.T. -0.012 min

Lab File: BP005578.D

Acq: 15 May 2021 20:36

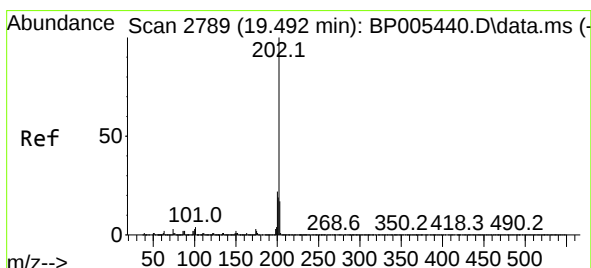
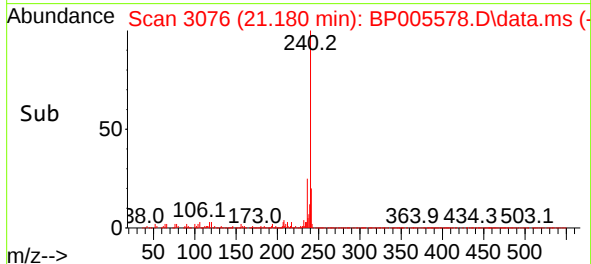
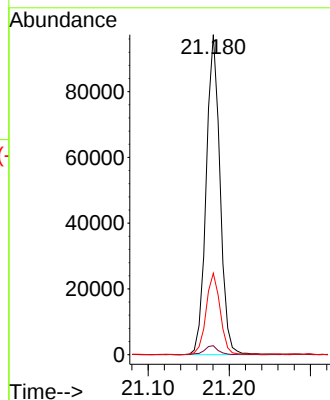
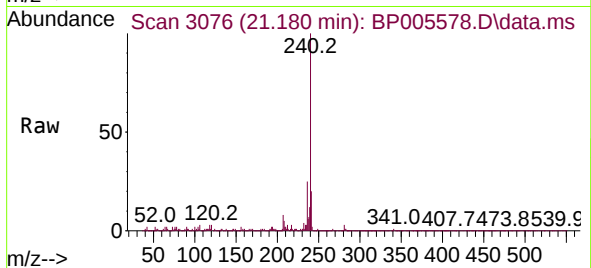
Instrument :

BNA_P

ClientSampleId :

DUP-02-05122021

Tgt Ion:240 Resp: 114604
 Ion Ratio Lower Upper
 240 100
 120 2.8 4.2 6.2#
 236 25.4 20.2 30.2



#78

Pyrene

Concen: 3.43 ng

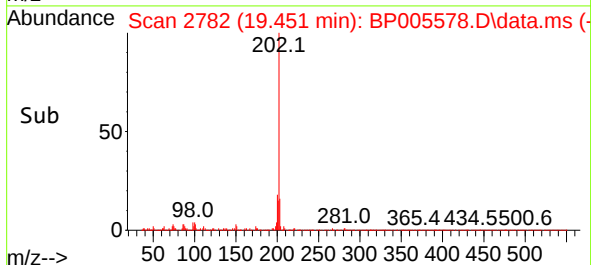
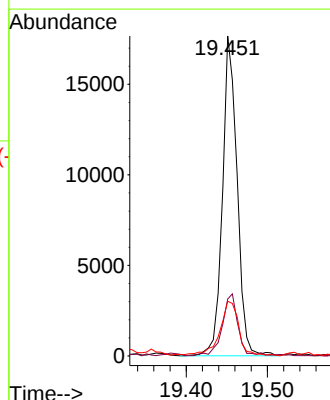
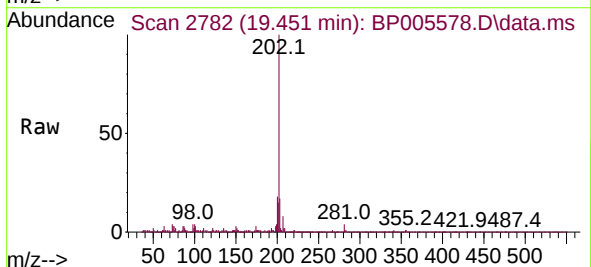
RT: 19.451 min Scan# 2782

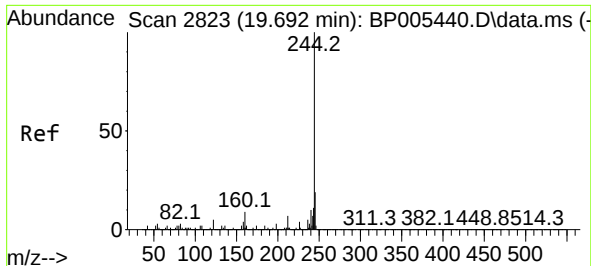
Delta R.T. -0.012 min

Lab File: BP005578.D

Acq: 15 May 2021 20:36

Tgt Ion:202 Resp: 22248
 Ion Ratio Lower Upper
 202 100
 200 17.8 16.9 25.3
 203 17.1 13.8 20.6

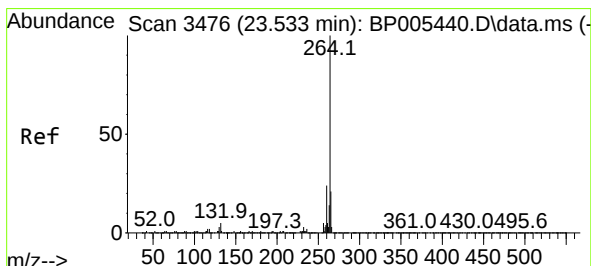
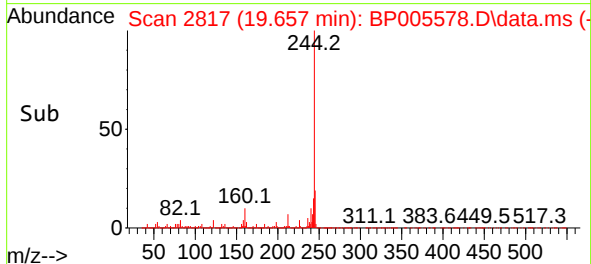
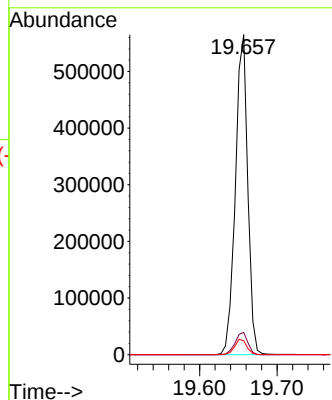
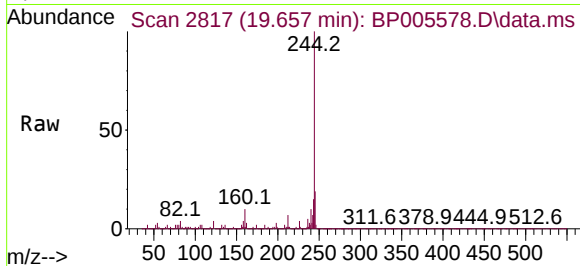




#79
Terphenyl-d14
Concen: 92.50 ng
RT: 19.657 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Instrument :
BNA_P
ClientSampleId :
DUP-02-05122021

Tgt Ion:244 Resp: 624241
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 4.4 5.2 7.8#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.480 min Scan# 3467
Delta R.T. -0.018 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

Tgt Ion:264 Resp: 134641
Ion Ratio Lower Upper
264 100
260 22.8 20.6 30.8
265 21.1 19.0 28.6

