

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)

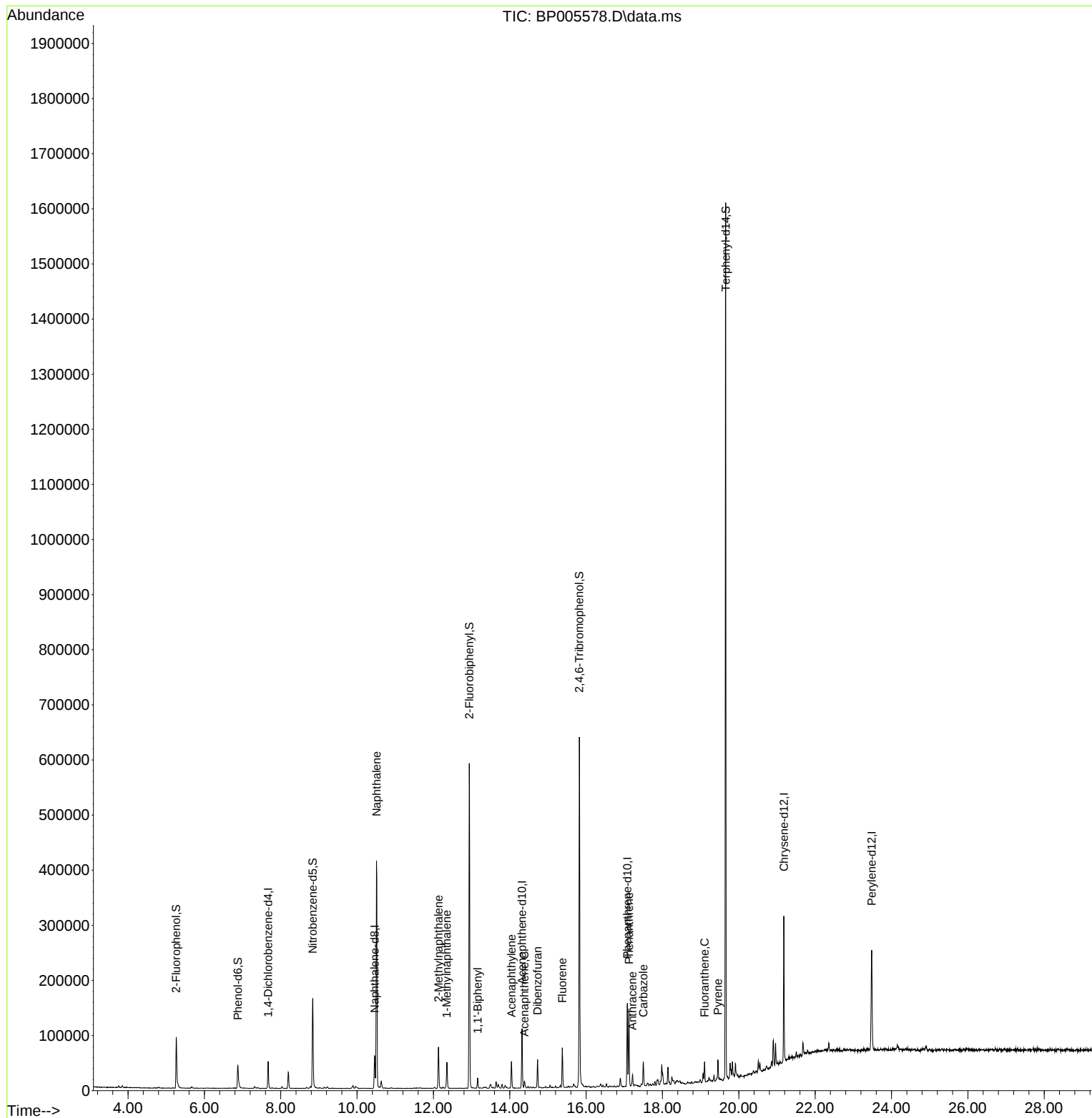
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	10303	20.00	ng	0.00
21) Naphthalene-d8	10.463	136	35250	20.00	ng	# 0.00
39) Acenaphthene-d10	14.322	164	29838	20.00	ng	-0.01
64) Phenanthrene-d10	17.081	188	82058	20.00	ng	# 0.00
76) Chrysene-d12	21.180	240	114604	20.00	ng	#-0.01
86) Perylene-d12	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
31) Naphthalene	10.510	128	248331	131.01	ng	99
37) 2-Methylnaphthalene	12.134	142	27186	17.88	ng	97
38) 1-Methylnaphthalene	12.351	142	16151	11.25	ng	96
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
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

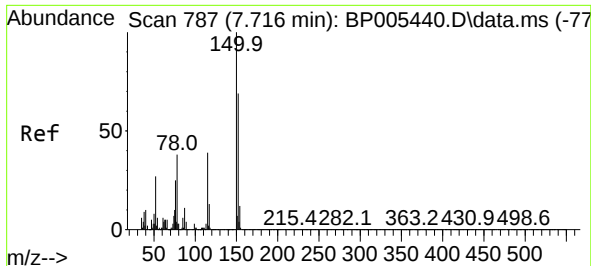
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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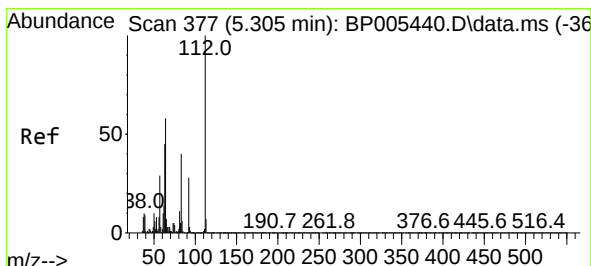
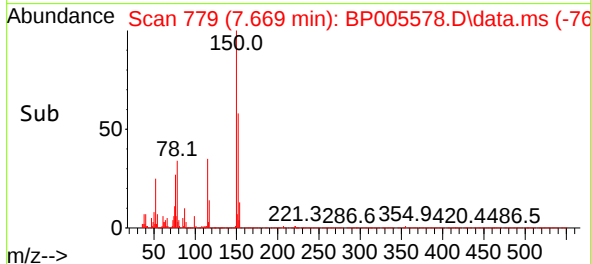
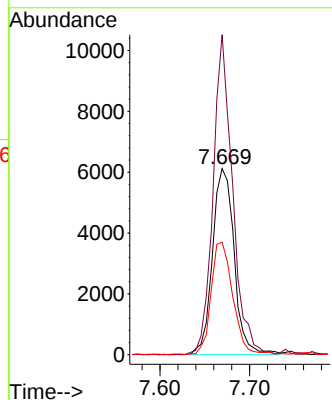
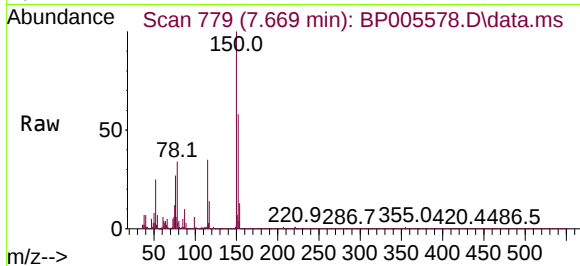




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.669 min Scan# 779
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

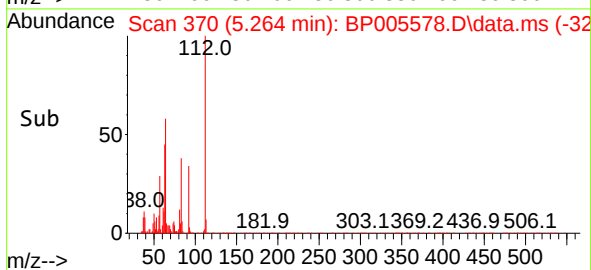
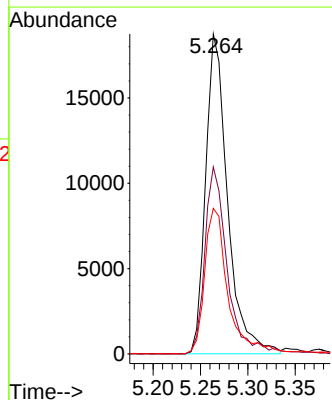
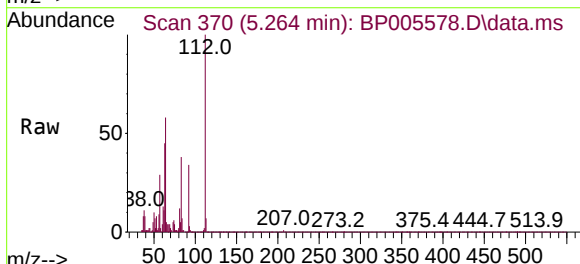
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BNA_P
ClientSampleId :
DUP-02-05122021

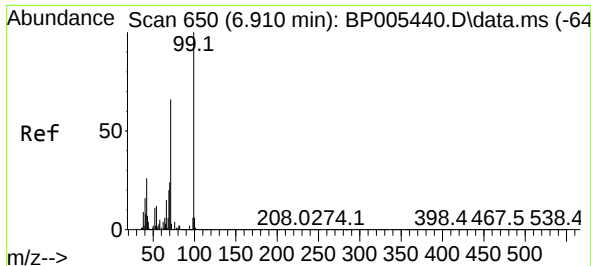
Tgt Ion:152 Resp: 10303
Ion Ratio Lower Upper
152 100
150 172.0 119.8 179.8
115 60.4 49.0 73.4



#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

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#

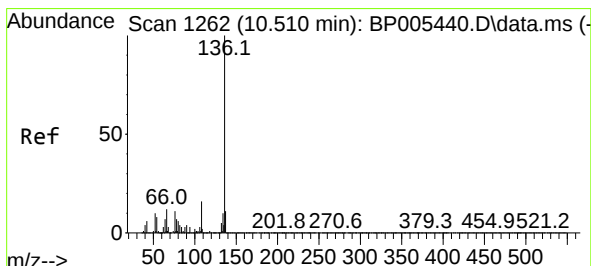
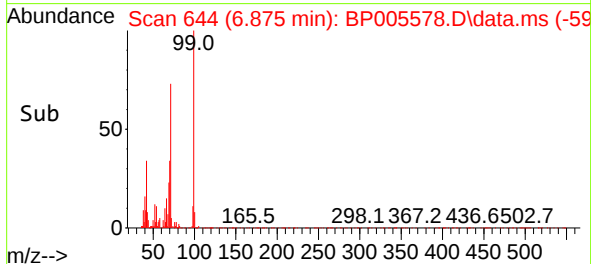
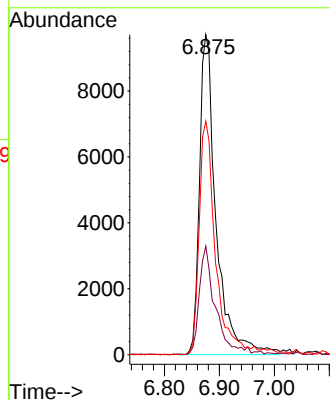
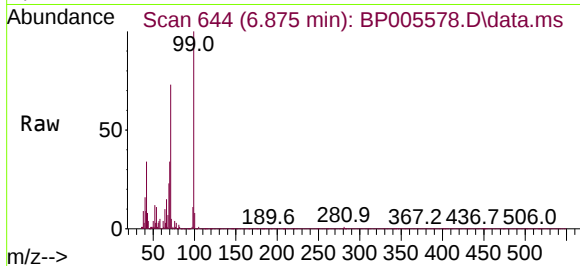




#7
Phenol-d6
Concen: 30.67 ng
RT: 6.875 min Scan# 644
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

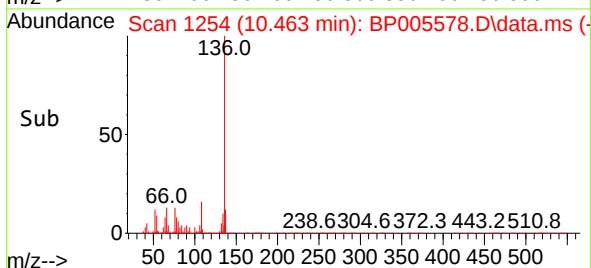
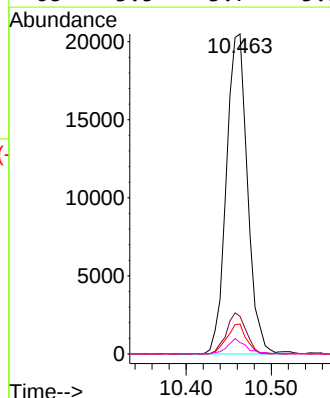
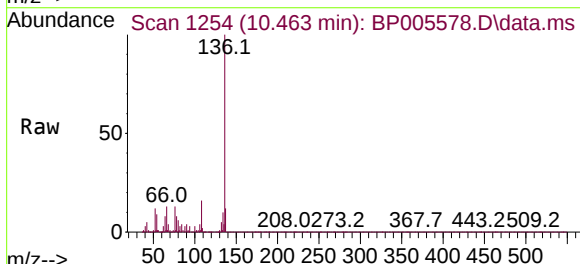
Instrument :
BNA_P
ClientSampleId :
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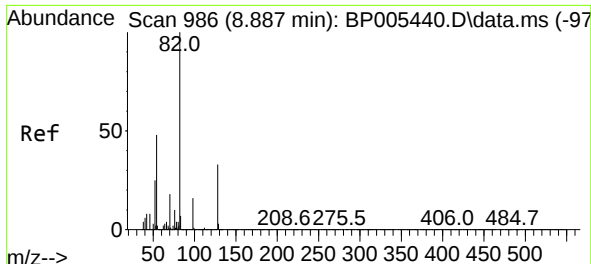
Tgt Ion:	99	Resp:	20532
Ion	Ratio	Lower	Upper
99	100		
42	33.9	12.9	19.3#
71	72.9	26.7	40.1#



#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#

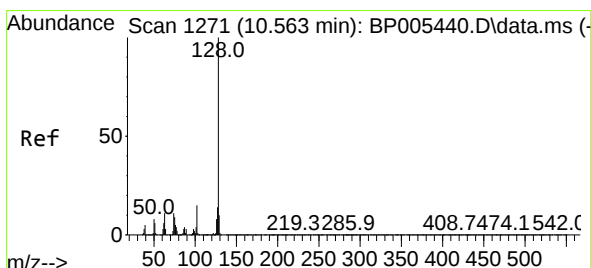
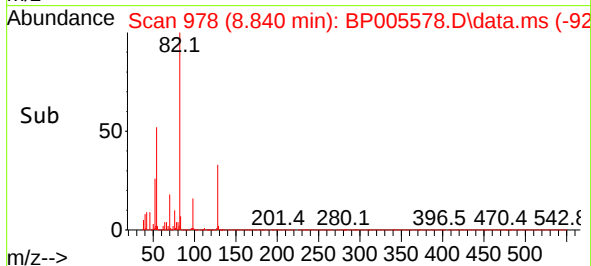
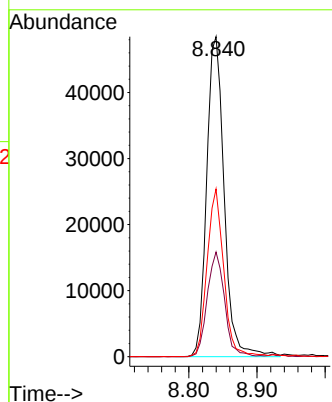
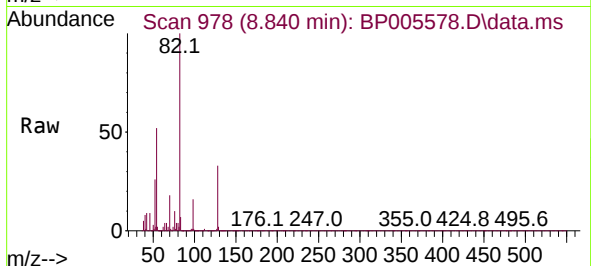




#23
Nitrobenzene-d5
Concen: 96.58 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

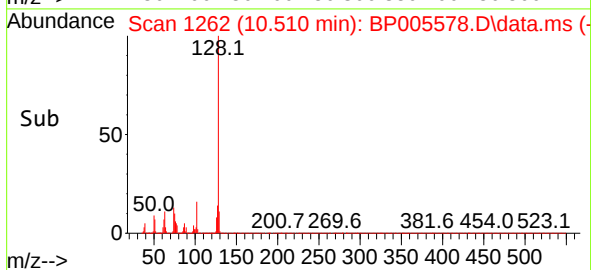
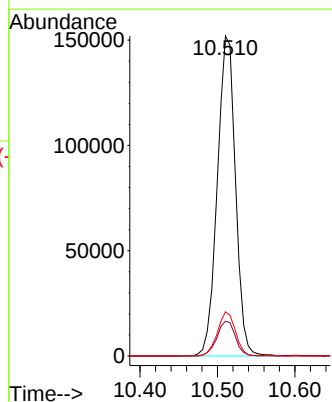
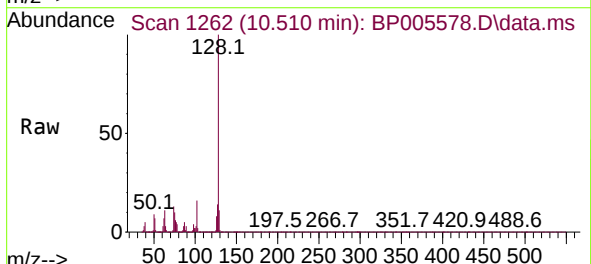
Instrument :
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ClientSampleId :
DUP-02-05122021

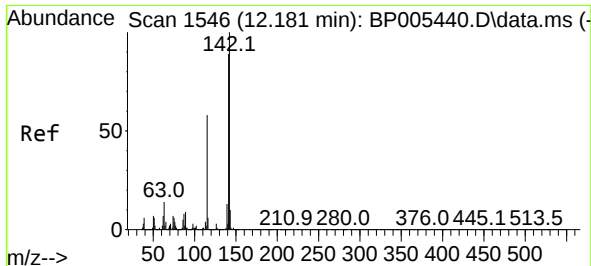
Tgt Ion: 82 Resp: 86495
Ion Ratio Lower Upper
82 100
128 32.7 30.5 45.7
54 52.4 33.9 50.9#



#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

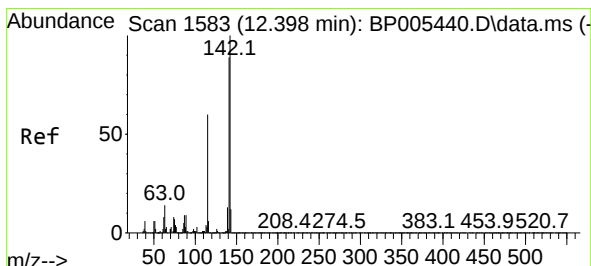
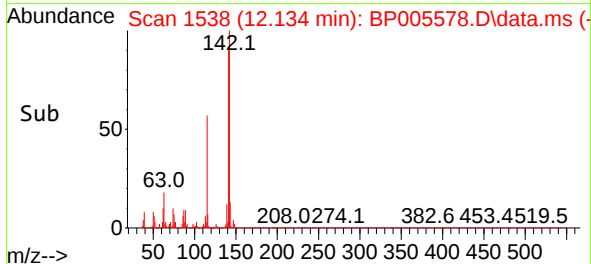
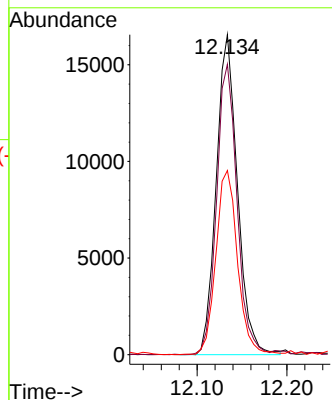
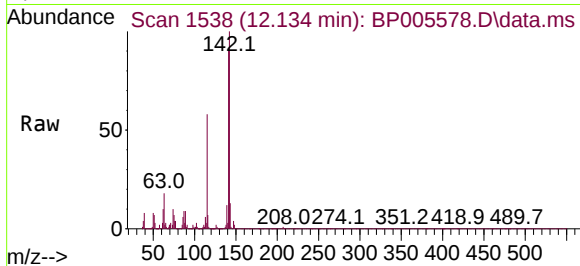




#37
2-Methylnaphthalene
Concen: 17.88 ng
RT: 12.134 min Scan# 1538
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

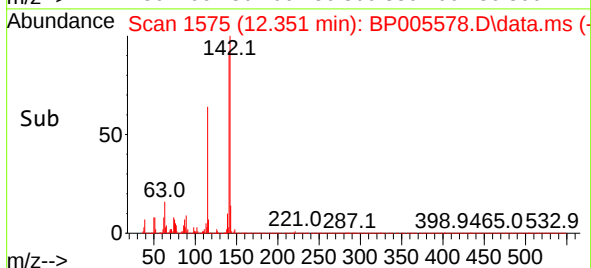
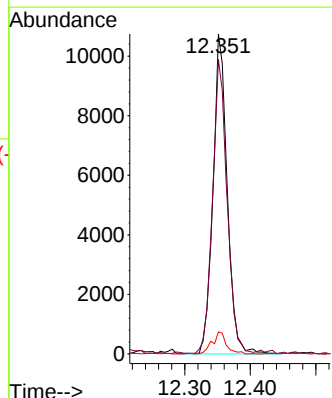
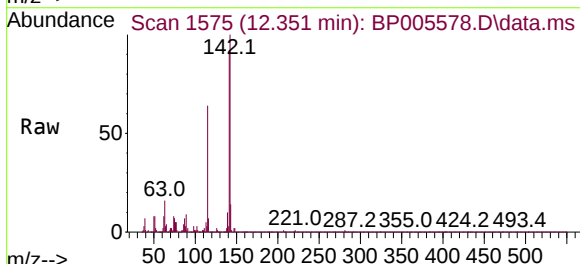
Instrument :
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ClientSampleId :
DUP-02-05122021

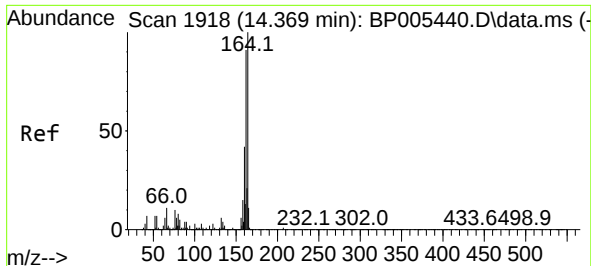
Tgt Ion:142 Resp: 27186
Ion Ratio Lower Upper
142 100
141 90.8 74.7 112.1
115 57.6 43.8 65.8



#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

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

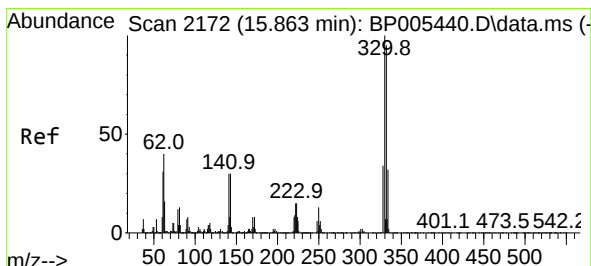
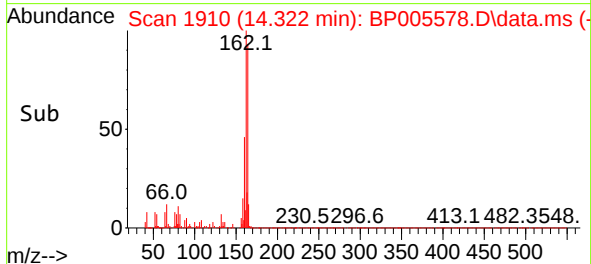
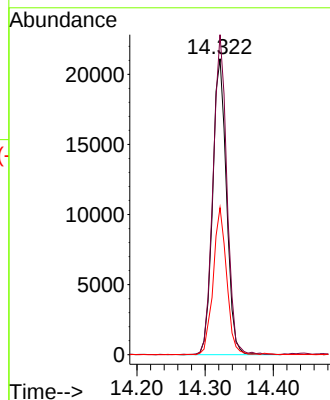
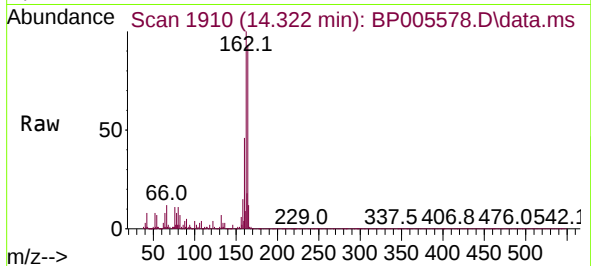




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.322 min Scan# 1910
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

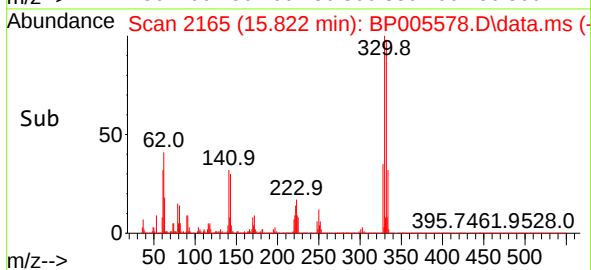
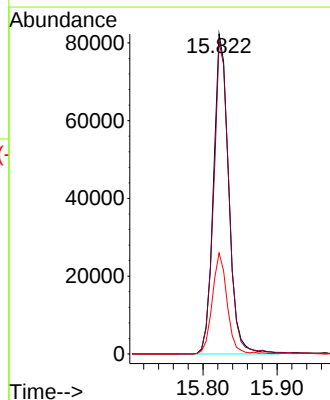
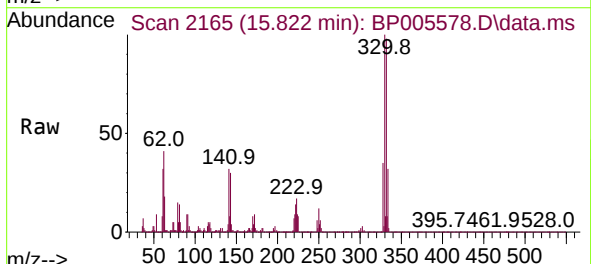
Instrument :
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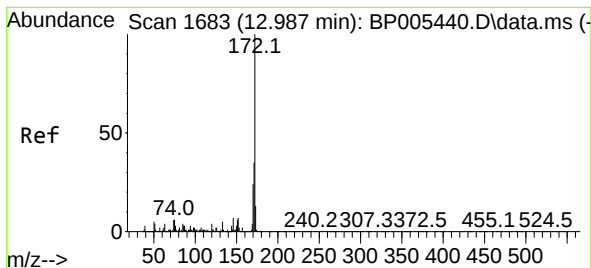
Tgt Ion:164	Resp:	29838
Ion Ratio	Lower	Upper
164	100	
162	108.1	73.5 110.3
160	49.7	40.6 61.0



#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

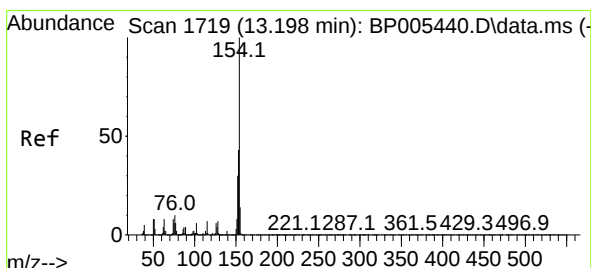
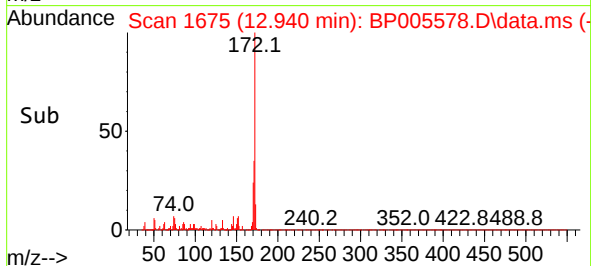
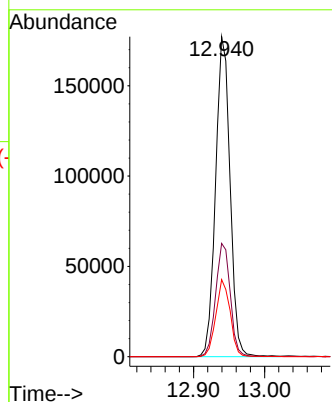
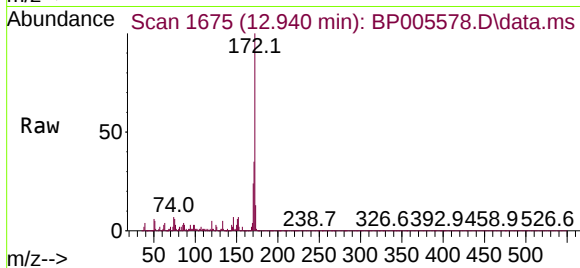




#45
2-Fluorobiphenyl
Concen: 94.60 ng
RT: 12.940 min Scan# 1675
Delta R.T. -0.012 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

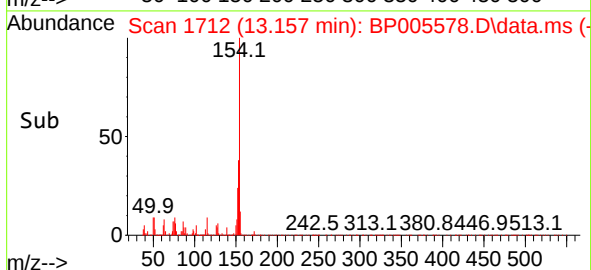
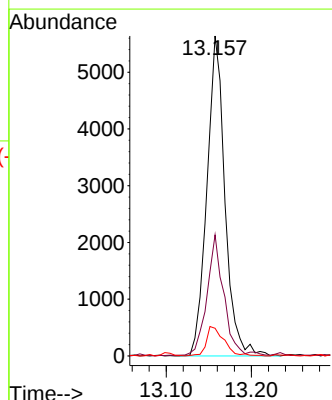
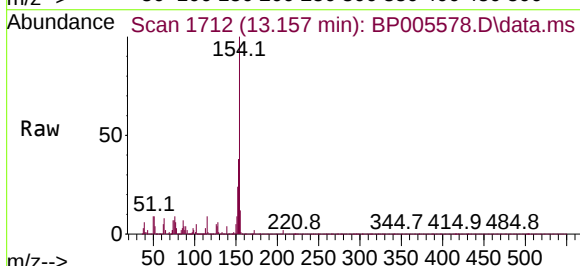
Instrument :
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DUP-02-05122021

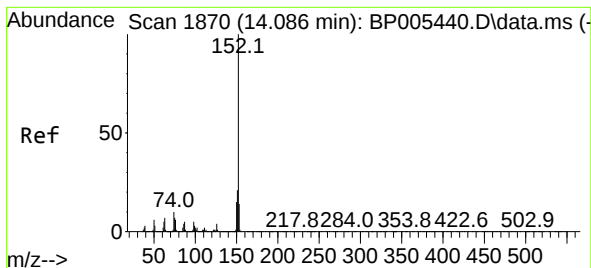
Tgt Ion:172 Resp: 250224
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 24.1 19.6 29.4



#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

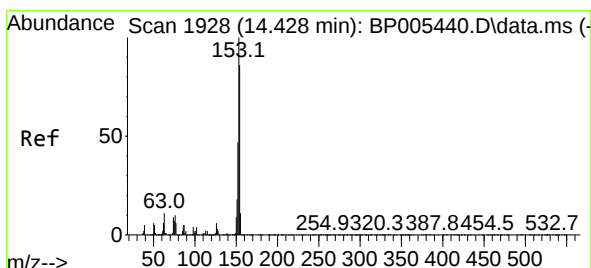
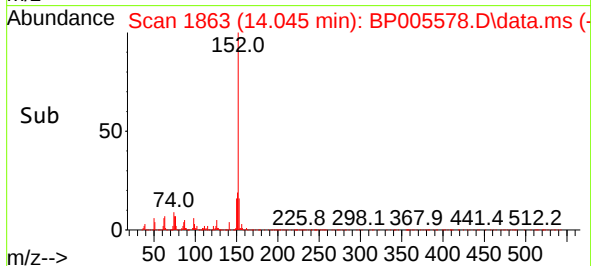
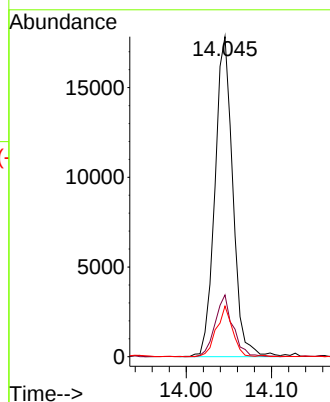
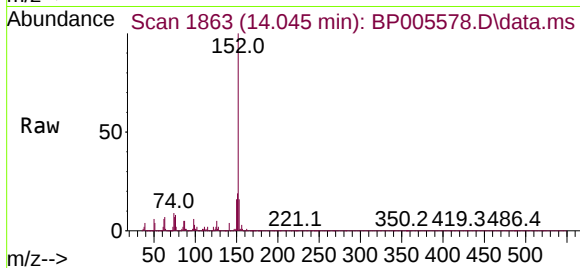
Tgt Ion:152	Resp:	25985
Ion Ratio	Lower	Upper
152	100	
151	19.3	15.8 23.6
153	15.8	10.5 15.7#

Instrument :

BNA_P

ClientSampleId :

DUP-02-05122021



#52

Acenaphthene

Concen: 2.63 ng

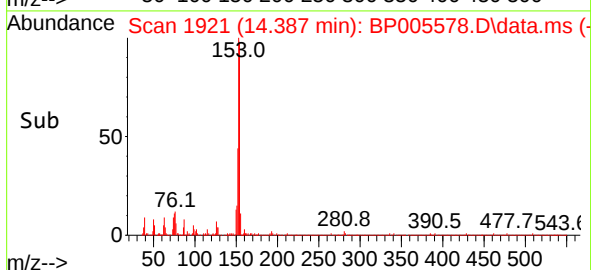
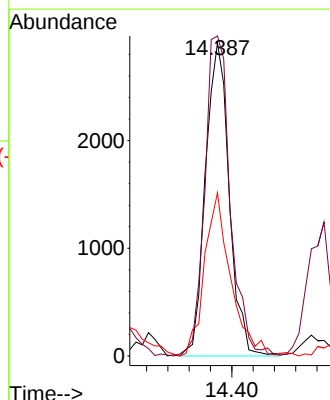
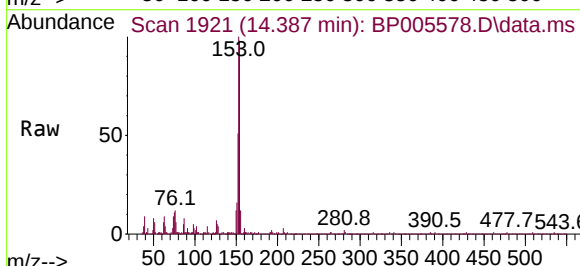
RT: 14.387 min Scan# 1921

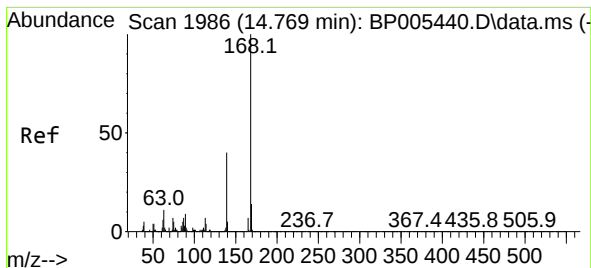
Delta R.T. -0.012 min

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

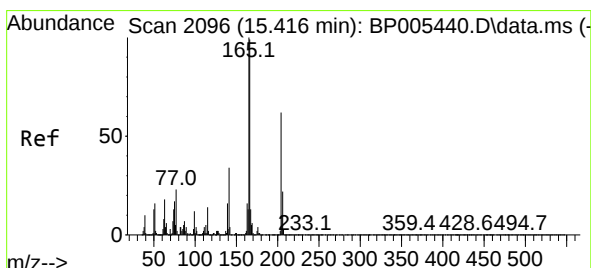
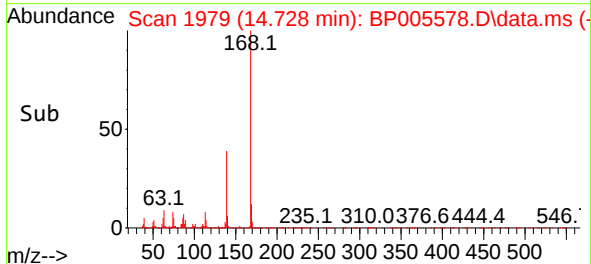
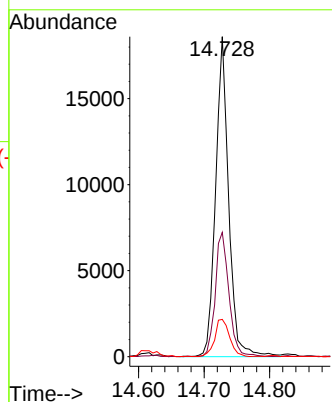
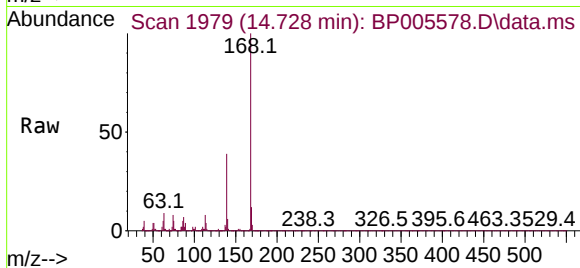




#55
Dibenzenofuran
Concen: 7.96 ng
RT: 14.728 min Scan# 1979
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

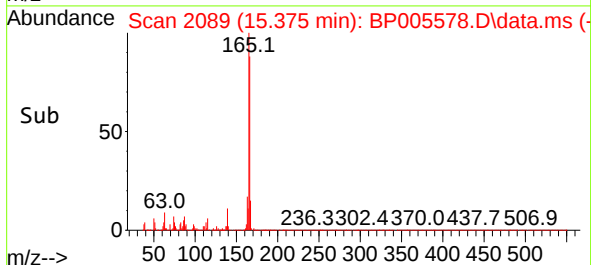
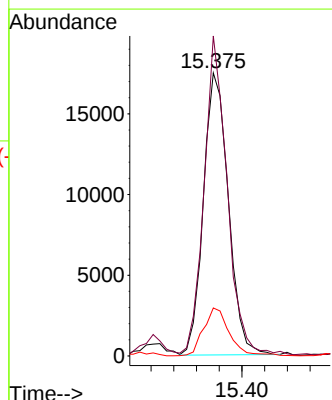
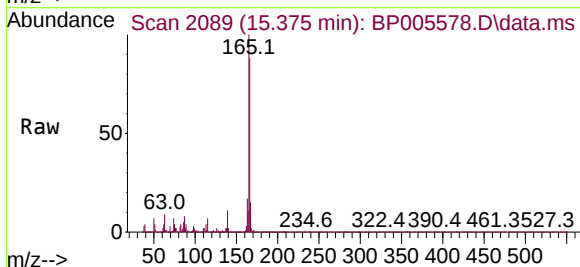
Instrument :
BNA_P
ClientSampleId :
DUP-02-05122021

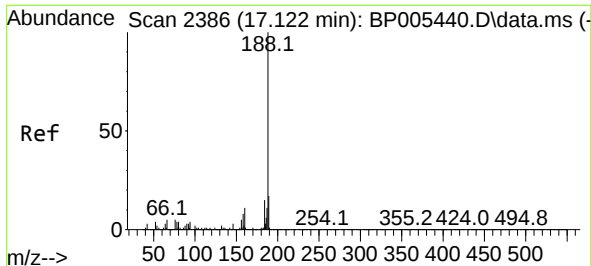
Tgt Ion:168	Resp:	25688
Ion Ratio	Lower	Upper
168	100	
139	38.8	31.4 47.0
169	11.7	11.4 17.0



#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

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

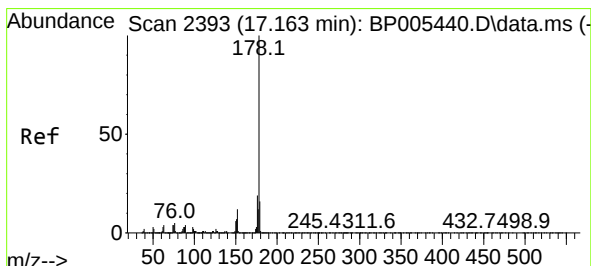
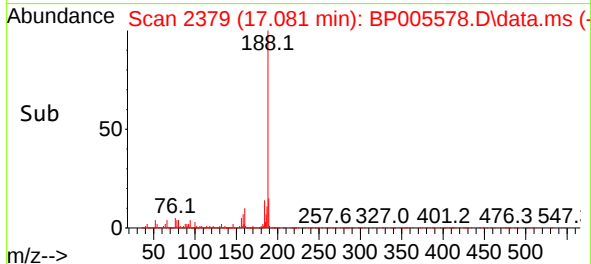
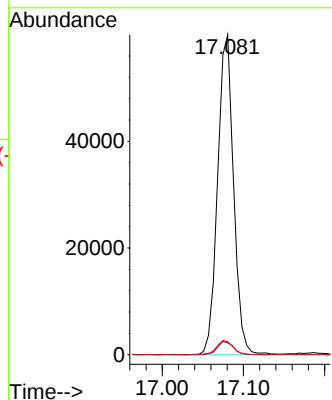
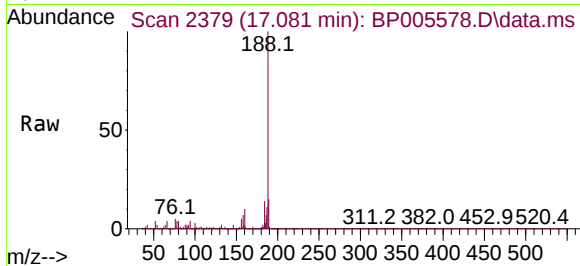




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

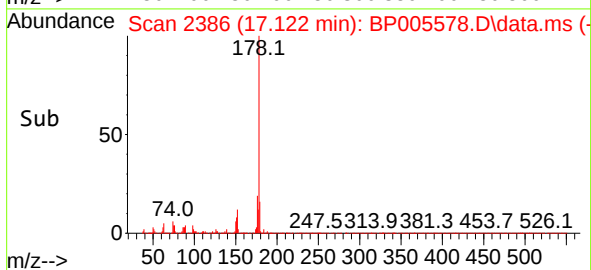
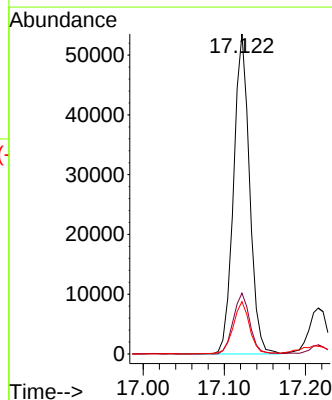
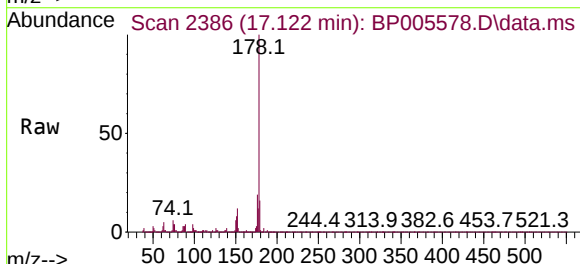
Instrument :
BNA_P
ClientSampleId :
DUP-02-05122021

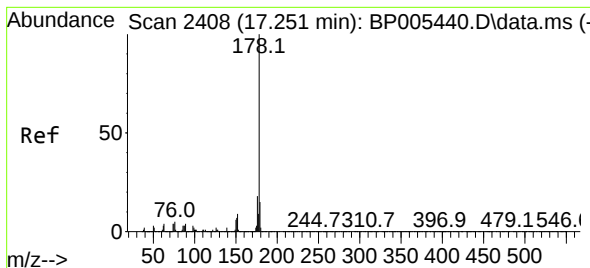
Tgt Ion:188	Resp:	82058
Ion Ratio	Lower	Upper
188	100	
94	3.7	5.0 7.6#
80	4.1	5.9 8.9#



#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

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

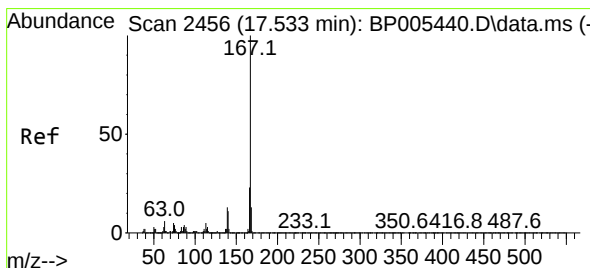
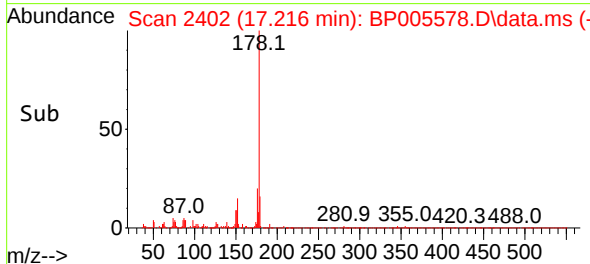
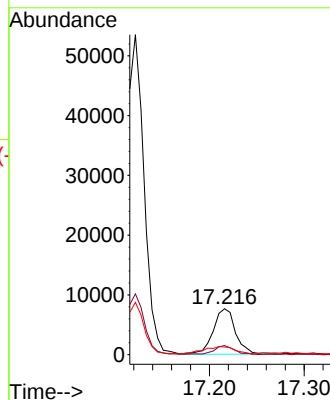
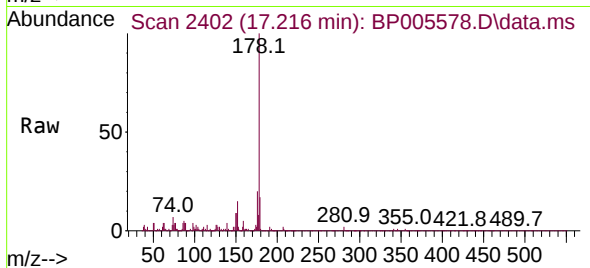
Tgt Ion:178	Resp:	12568
Ion Ratio	Lower	Upper
178	100	
176	19.9	15.2 22.8
179	16.7	12.6 19.0

Instrument :

BNA_P

ClientSampleId :

DUP-02-05122021



#73

Carbazole

Concen: 5.97 ng

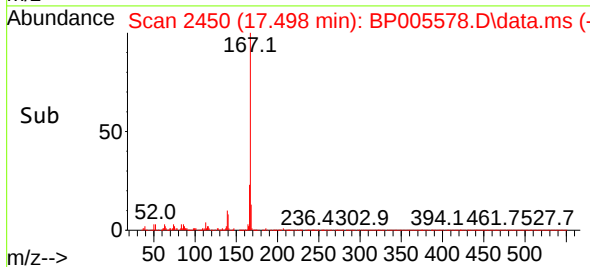
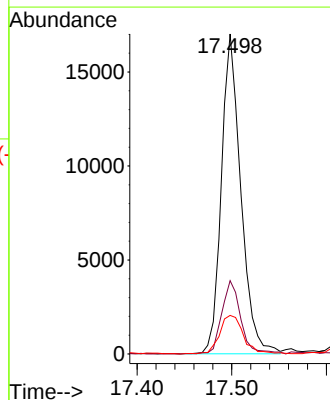
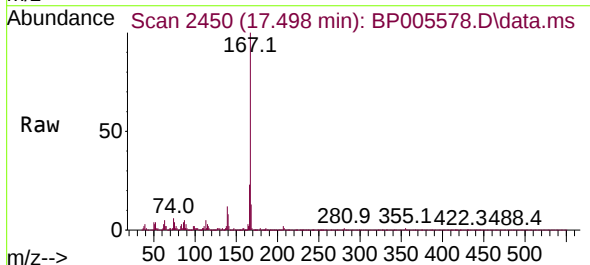
RT: 17.498 min Scan# 2450

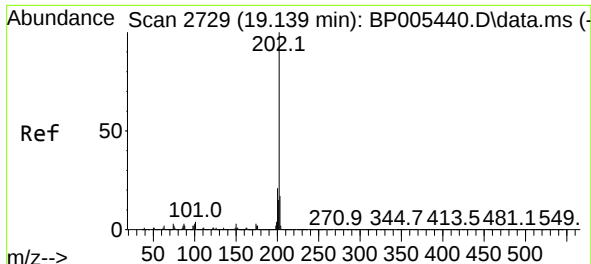
Delta R.T. -0.012 min

Lab File: BP005578.D

Acq: 15 May 2021 20:36

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

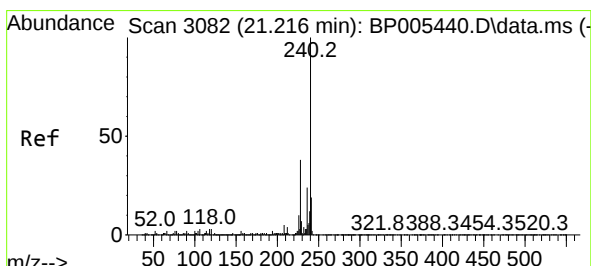
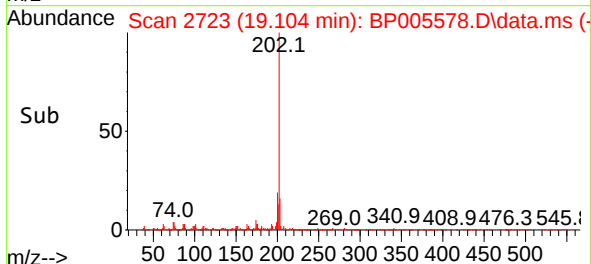
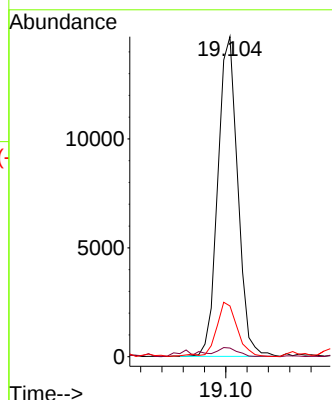
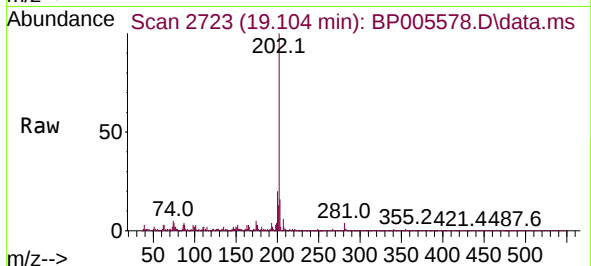




#75
Fluoranthene
Concen: 2.96 ng
RT: 19.104 min Scan# 2723
Delta R.T. -0.006 min
Lab File: BP005578.D
Acq: 15 May 2021 20:36

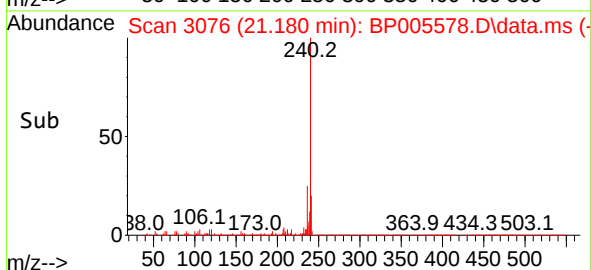
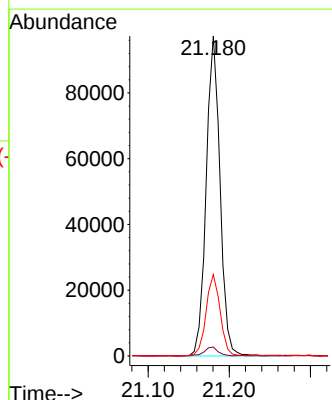
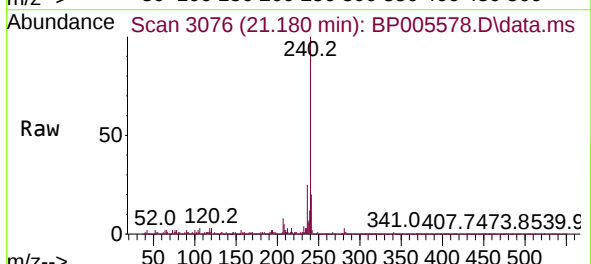
Instrument :
BNA_P
ClientSampleId :
DUP-02-05122021

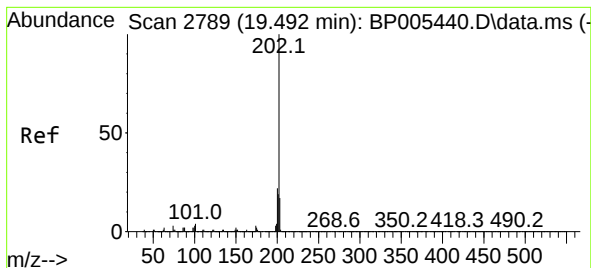
Tgt Ion:	202	Resp:	18994
Ion Ratio	Lower	Upper	
202	100		
101	2.7	0.0	26.1
203	15.9	0.0	37.2



#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

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

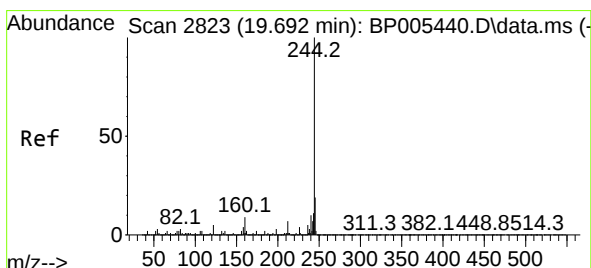
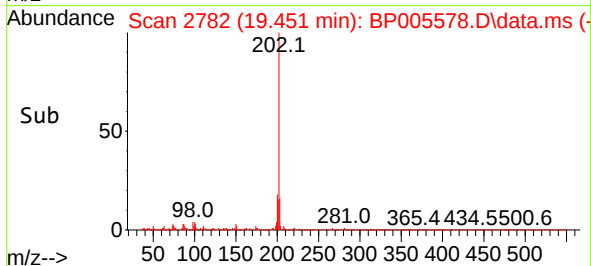
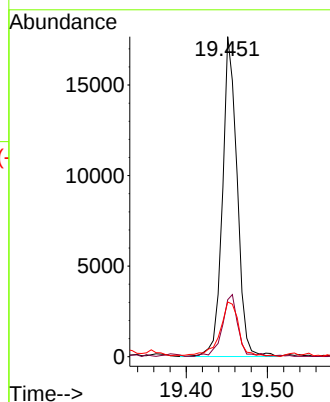
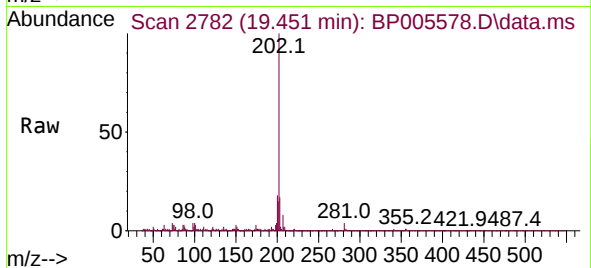
Instrument :

BNA_P

ClientSampleId :

DUP-02-05122021

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

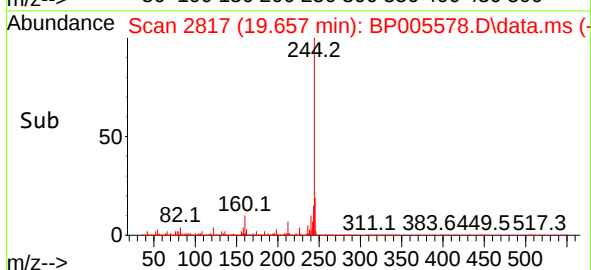
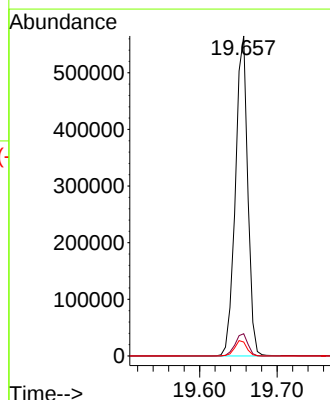
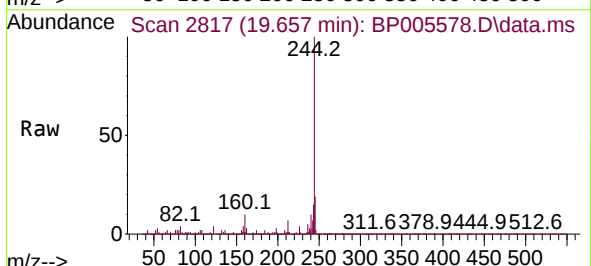
RT: 19.657 min Scan# 2817

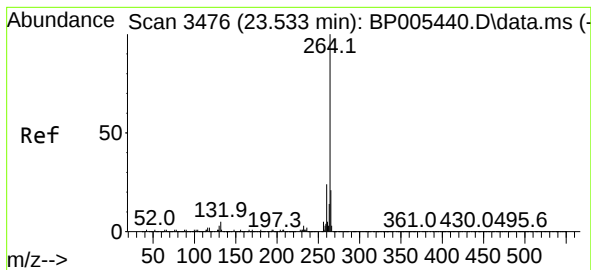
Delta R.T. -0.006 min

Lab File: BP005578.D

Acq: 15 May 2021 20:36

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

Instrument :
 BNA_P
 ClientSampleId :
 DUP-02-05122021

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

