

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051821\
 Data File : BP005603.D
 Acq On : 18 May 2021 16:44
 Operator : CG/JU
 Sample : M2366-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 JG-SPOILS-5-11-21-B

Quant Time: May 19 02:16:11 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 17 15:35:47 2021
 Response via : Initial Calibration

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

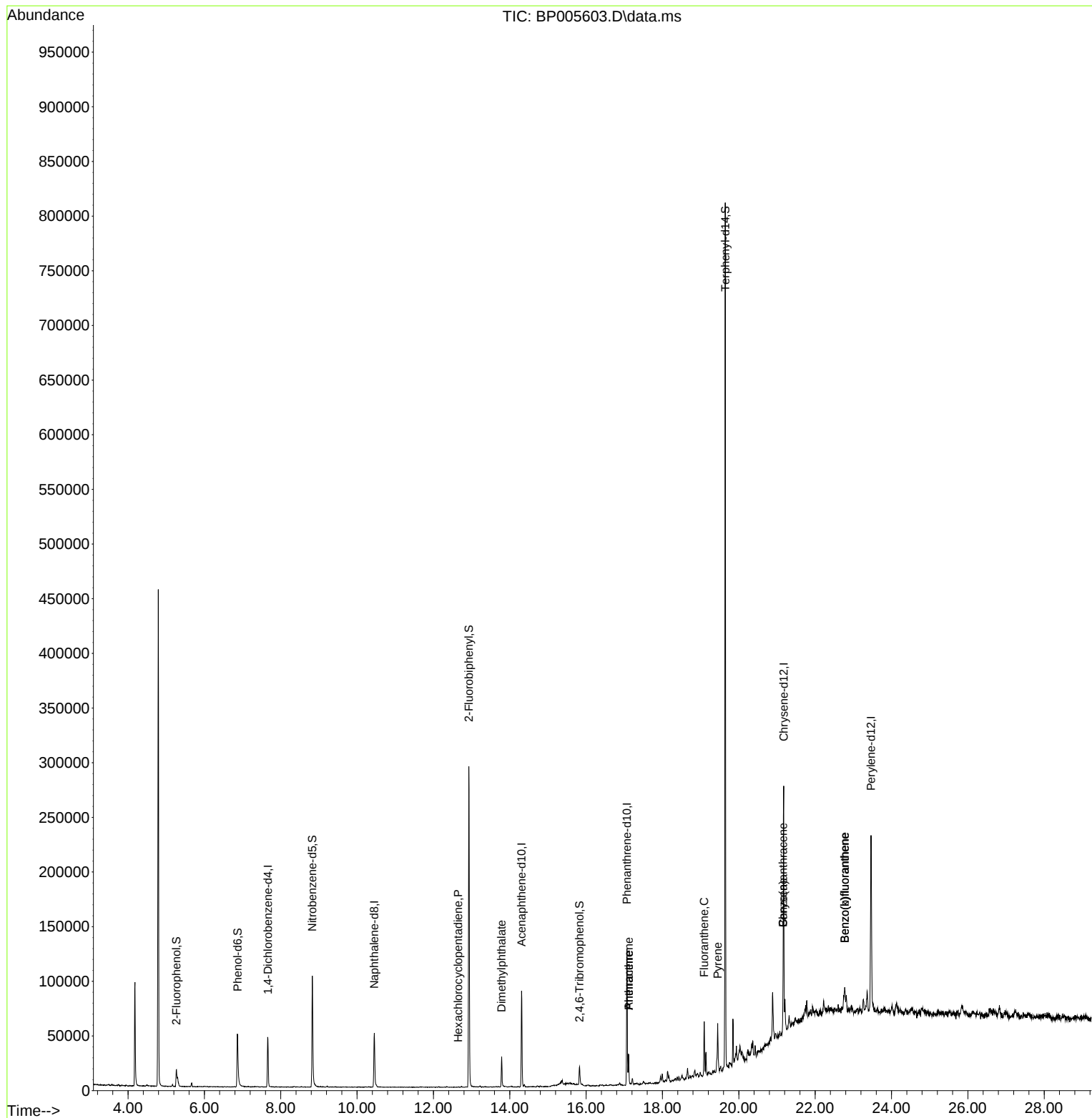
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	9848	20.00	ng	0.00
21) Naphthalene-d8	10.451	136	32247	20.00	ng	# 0.00
39) Acenaphthene-d10	14.310	164	26574	20.00	ng	0.00
64) Phenanthrene-d10	17.069	188	66330	20.00	ng	# 0.00
76) Chrysene-d12	21.174	240	98693	20.00	ng	# 0.00
86) Perylene-d12	23.463	264	119649	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	6216	12.11	ng	0.01
7) Phenol-d6	6.869	99	23276	36.38	ng	0.00
23) Nitrobenzene-d5	8.828	82	52177	63.69	ng	0.00
42) 2,4,6-Tribromophenol	15.828	330	4116	5.46	ng	0.01
45) 2-Fluorobiphenyl	12.928	172	127412	54.09	ng	0.00
79) Terphenyl-d14	19.645	244	305849	52.63	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.152	88	8	Below Cal	#	1
9) Benzaldehyde	6.799	77	18	Below Cal	#	29
41) Hexachlorocyclopentadiene	12.651	237	11	7.89	ng	76
50) Dimethylphthalate	13.787	163	15987	6.97	ng	# 93
71) Phenanthrene	17.116	178	15984	4.24	ng	96
72) Anthracene	17.116	178	15984	4.27	ng	96
75) Fluoranthene	19.092	202	27442	5.29	ng	95
78) Pyrene	19.445	202	25998	4.65	ng	97
81) Benzo(a)anthracene	21.157	228	14921	2.33	ng	98
83) Chrysene	21.157	228	14921	2.41	ng	94
88) Benzo(b)fluoranthene	22.774	252	21235	2.66	ng	# 96
89) Benzo(k)fluoranthene	22.774	252	21235	2.72	ng	# 94

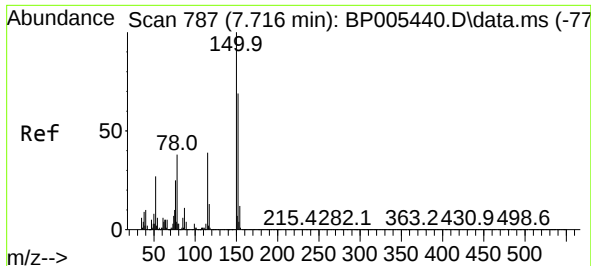
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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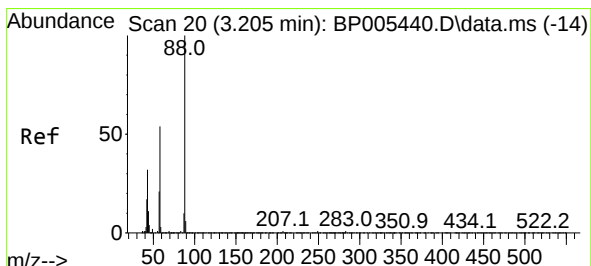
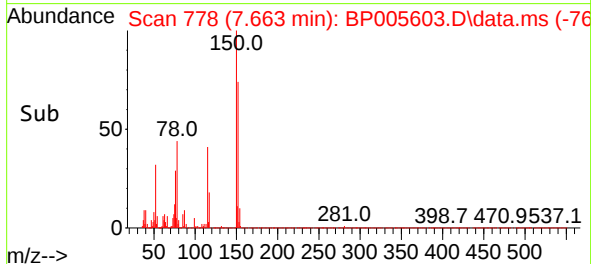
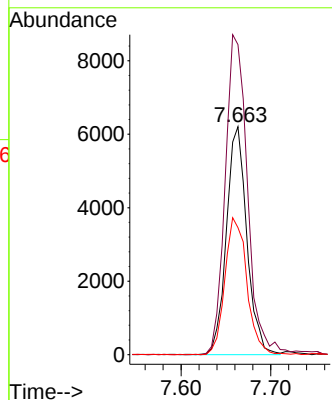
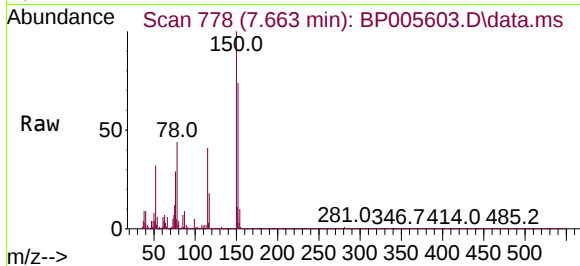




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

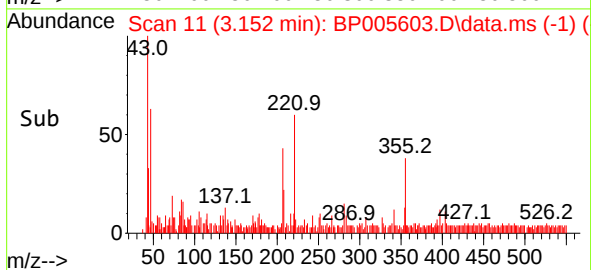
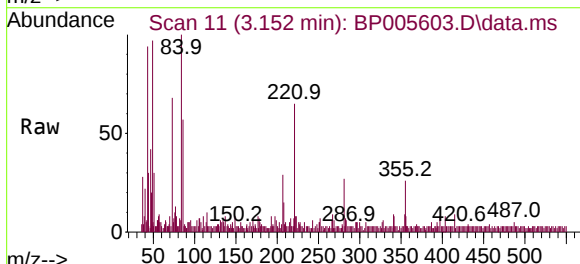
Instrument :
BNA_P
ClientSampleId :
JG-SPOILS-5-11-21-B

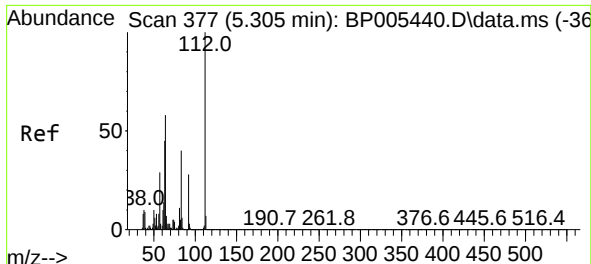
Tgt Ion:152 Resp: 9848
Ion Ratio Lower Upper
152 100
150 136.0 119.8 179.8
115 55.7 49.0 73.4



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.152 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

Tgt Ion: 88 Resp: 8
Ion Ratio Lower Upper
88 100
58 0.0 42.5 63.7#
43 3612.5 19.8 29.8#

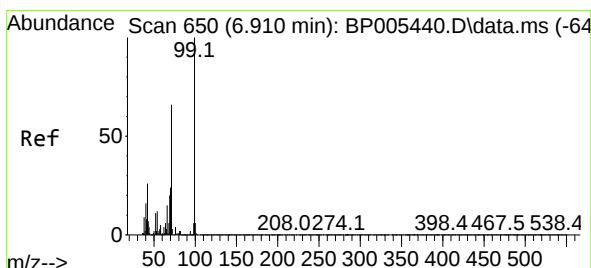
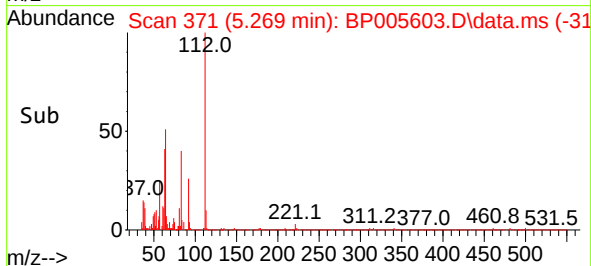
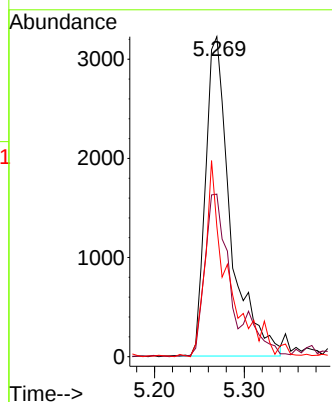
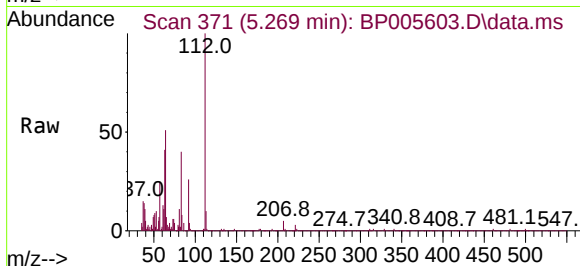




#5
2-Fluorophenol
Concen: 12.11 ng
RT: 5.269 min Scan# 371
Delta R.T. 0.012 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

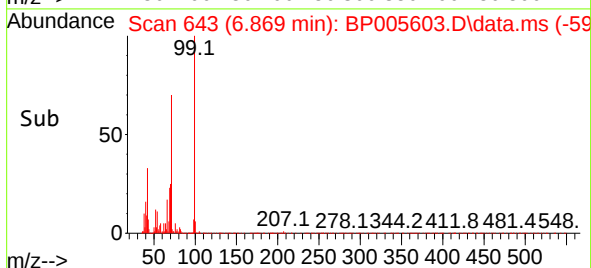
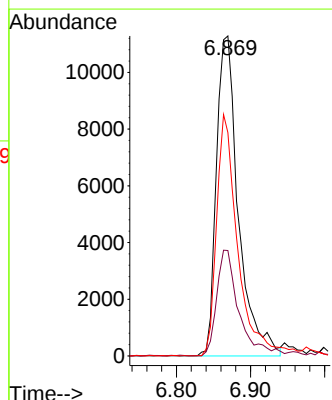
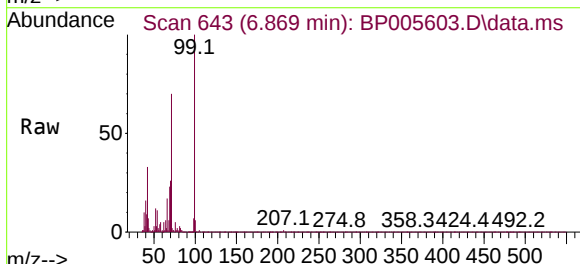
Instrument :
BNA_P
ClientSampleId :
JG-SPOILS-5-11-21-B

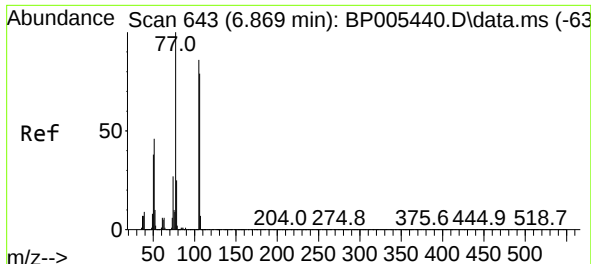
Tgt Ion:112 Resp: 6216
Ion Ratio Lower Upper
112 100
64 50.8 33.6 50.4#
63 40.8 18.6 27.8#



#7
Phenol-d6
Concen: 36.38 ng
RT: 6.869 min Scan# 643
Delta R.T. 0.006 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

Tgt Ion: 99 Resp: 23276
Ion Ratio Lower Upper
99 100
42 32.9 12.9 19.3#
71 69.8 26.7 40.1#

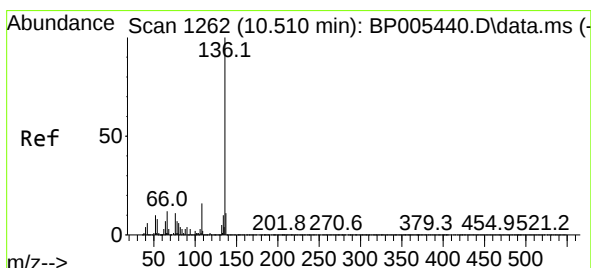
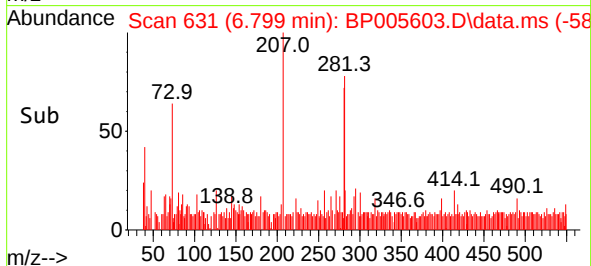
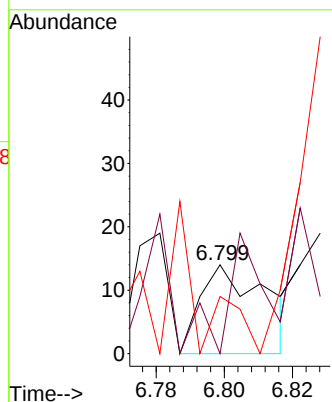
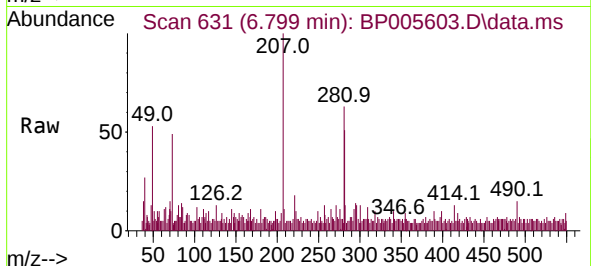




#9
Benzaldehyde
Concen: Below Cal
RT: 6.799 min Scan# 631
Delta R.T. -0.018 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

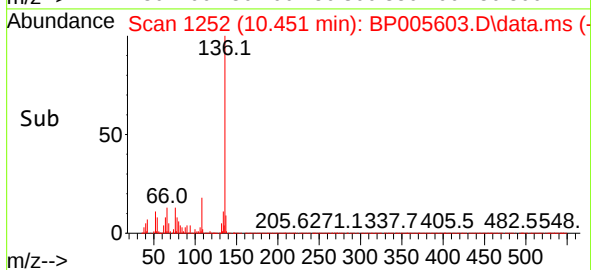
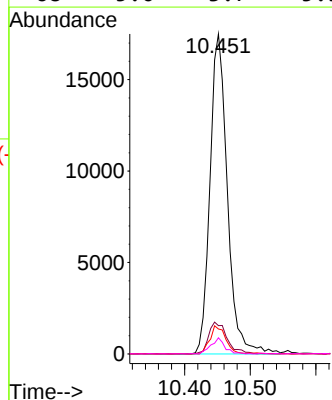
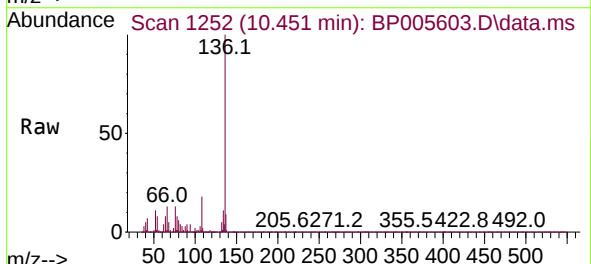
Instrument :
BNA_P
ClientSampleId :
JG-SPOILS-5-11-21-B

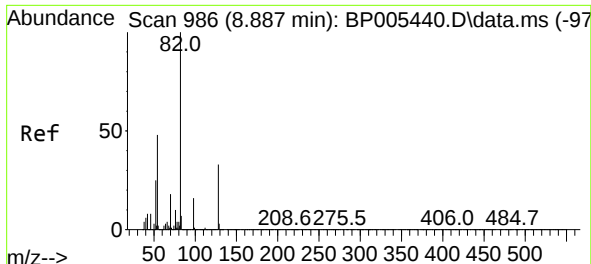
Tgt Ion: 77 Resp: 18
Ion Ratio Lower Upper
77 100
105 0.0 89.4 129.4#
106 64.3 79.9 119.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.451 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

Tgt Ion: 136 Resp: 32247
Ion Ratio Lower Upper
136 100
137 8.8 8.9 13.3#
54 7.8 5.0 7.4#
68 5.0 3.7 5.5





#23

Nitrobenzene-d5

Concen: 63.69 ng

RT: 8.828 min Scan# 976

Delta R.T. -0.006 min

Lab File: BP005603.D

Acq: 18 May 2021 16:44

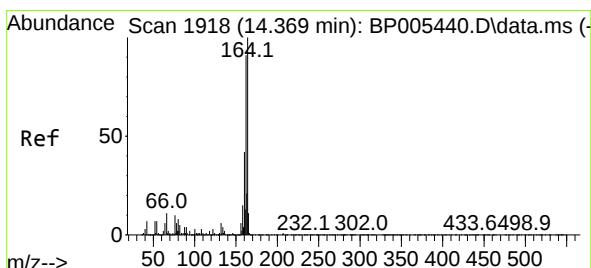
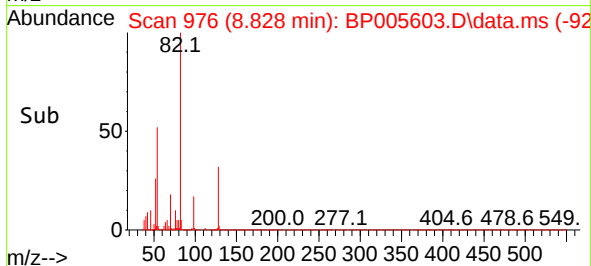
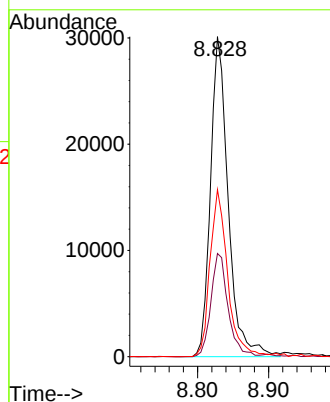
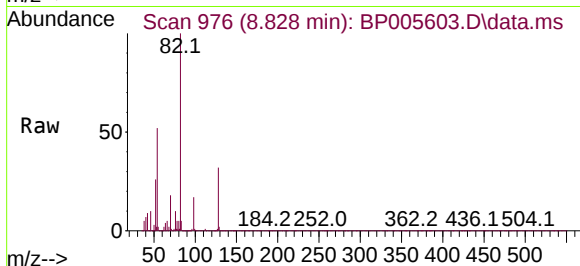
Instrument :

BNA_P

ClientSampleId :

JG-SPOILS-5-11-21-B

Tgt Ion: 82	Resp: 52177
Ion Ratio	Lower Upper
82 100	
128 32.2	30.5 45.7
54 52.2	33.9 50.9#



#39

Acenaphthene-d10

Concen: 20.00 ng

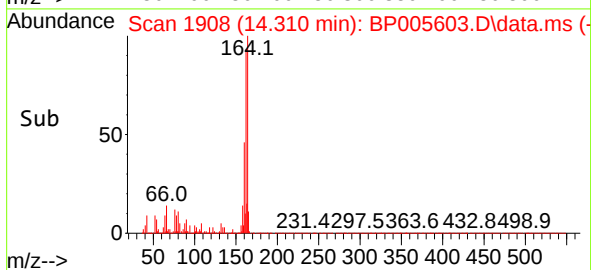
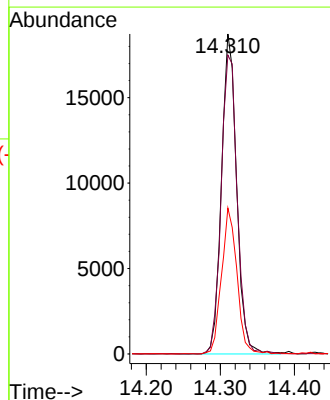
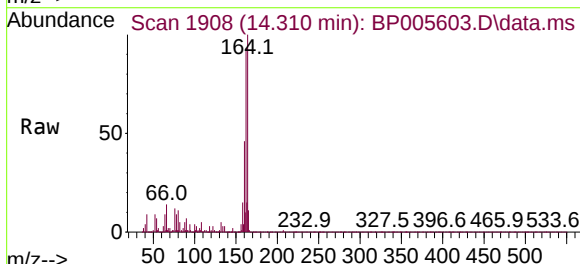
RT: 14.310 min Scan# 1908

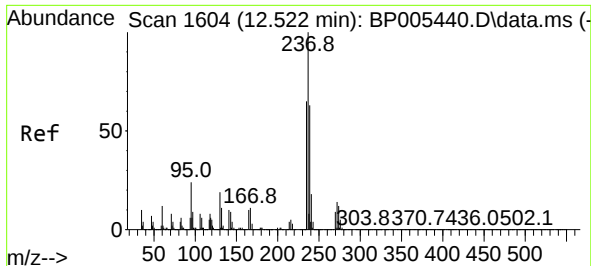
Delta R.T. -0.006 min

Lab File: BP005603.D

Acq: 18 May 2021 16:44

Tgt Ion: 164	Resp: 26574
Ion Ratio	Lower Upper
164 100	
162 93.4	73.5 110.3
160 45.6	40.6 61.0

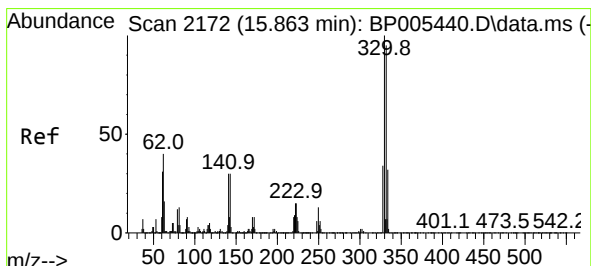
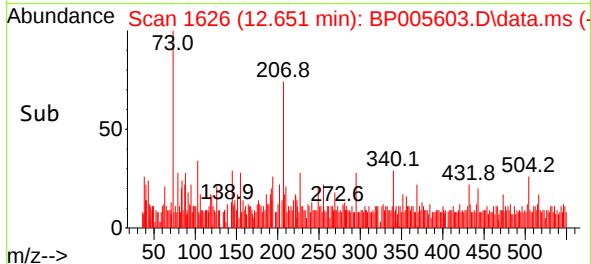
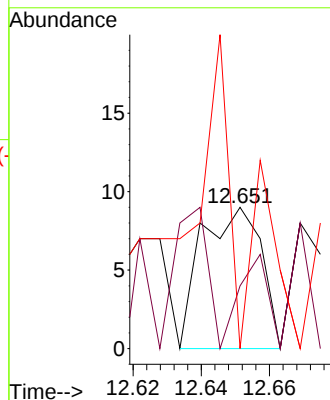
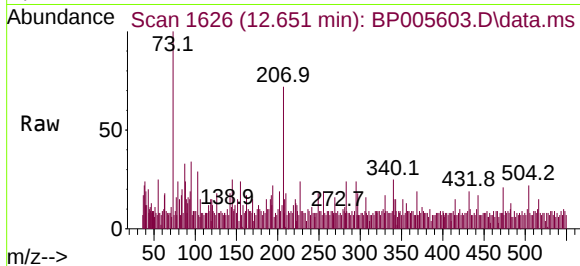




#41
Hexachlorocyclopentadiene
Concen: 7.89 ng
RT: 12.651 min Scan# 1626
Delta R.T. 0.188 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

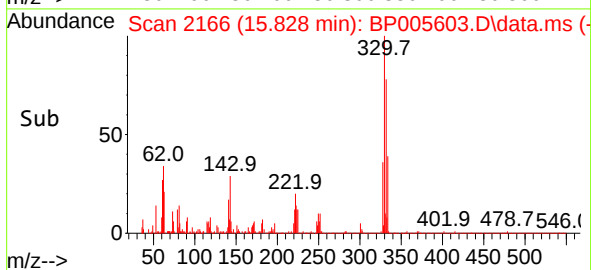
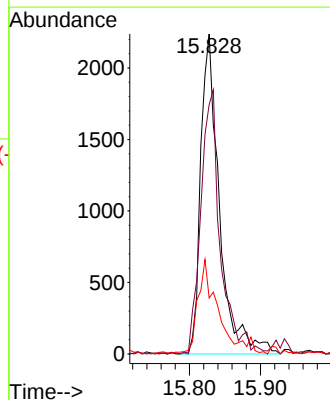
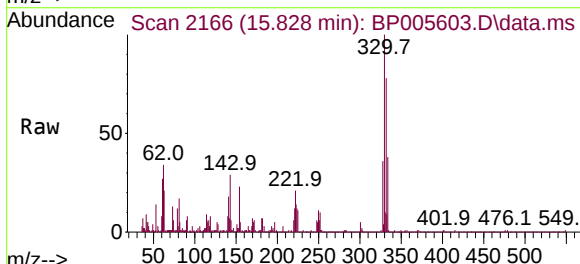
Instrument :
BNA_P
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JG-SPOILS-5-11-21-B

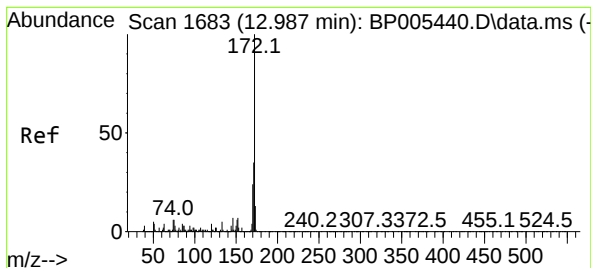
Tgt Ion:	237	Resp:	11
Ion	Ratio	Lower	Upper
237	100		
235	44.4	40.9	80.9
272	0.0	0.0	34.6



#42
2,4,6-Tribromophenol
Concen: 5.46 ng
RT: 15.828 min Scan# 2166
Delta R.T. 0.012 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

Tgt Ion:	330	Resp:	4116
Ion	Ratio	Lower	Upper
330	100		
332	86.0	76.3	114.5
141	28.4	22.8	34.2

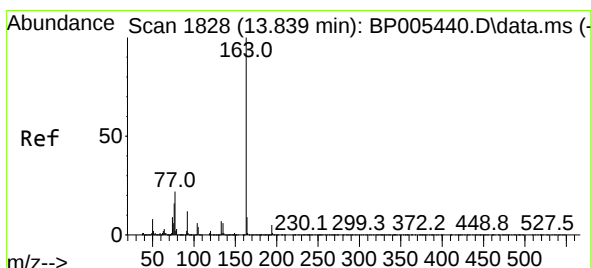
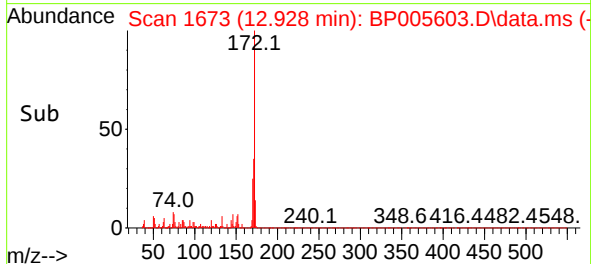
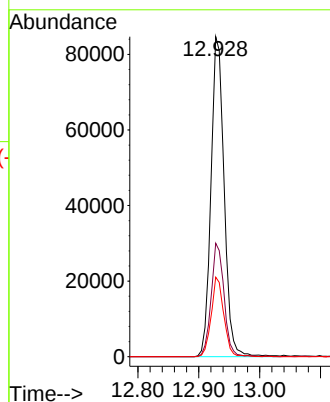
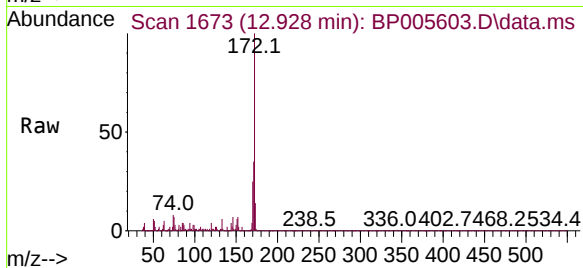




#45
2-Fluorobiphenyl
Concen: 54.09 ng
RT: 12.928 min Scan# 1673
Delta R.T. -0.006 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

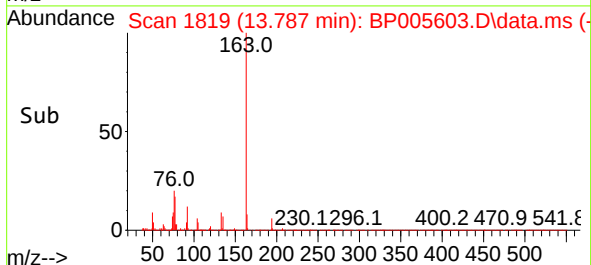
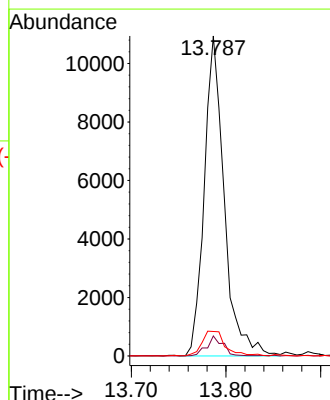
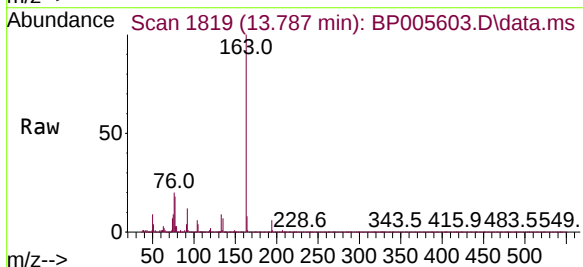
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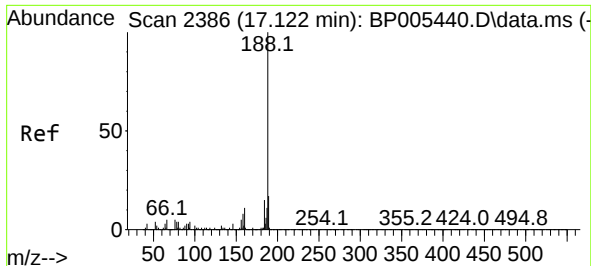
Tgt Ion:172	Resp:	127412
Ion Ratio	Lower	Upper
172	100	
171	35.5	28.1 42.1
170	24.9	19.6 29.4



#50
Dimethylphthalate
Concen: 6.97 ng
RT: 13.787 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

Tgt Ion:163	Resp:	15987
Ion Ratio	Lower	Upper
163	100	
194	7.1	3.9 5.9#
164	7.6	8.1 12.1#

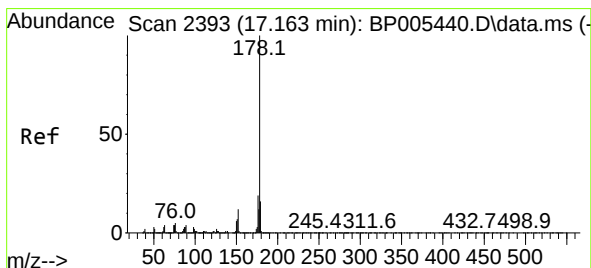
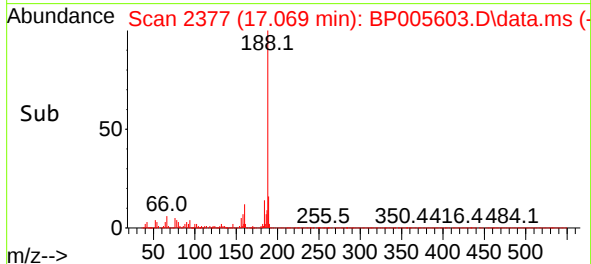
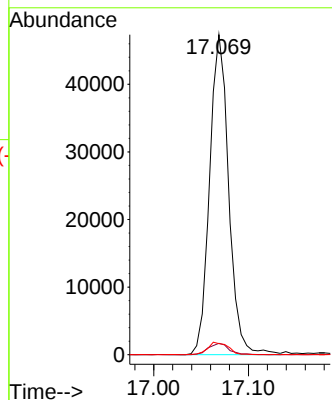
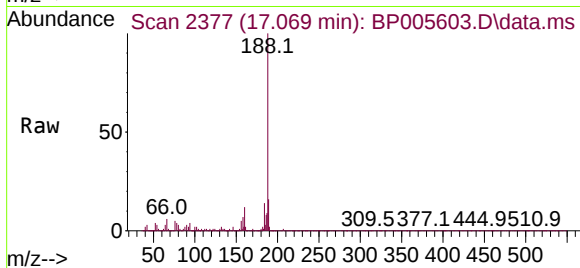




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.069 min Scan# 2377
Delta R.T. -0.006 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

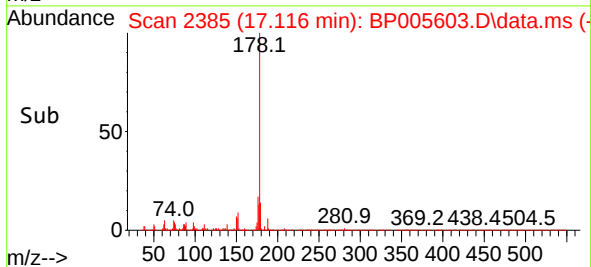
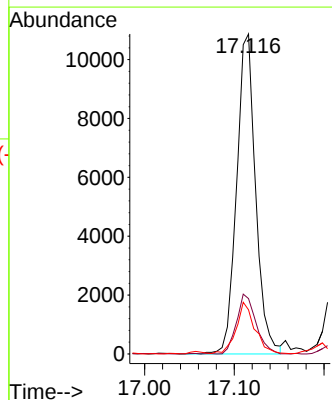
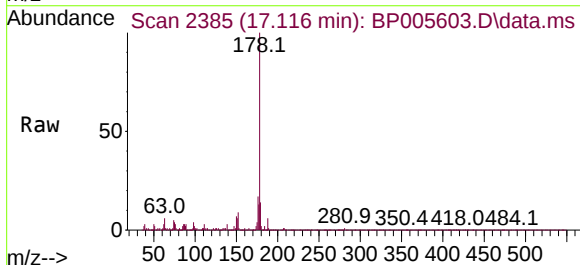
Instrument :
BNA_P
ClientSampleId :
JG-SPOILS-5-11-21-B

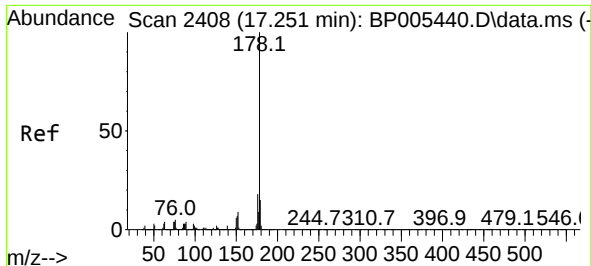
Tgt Ion:188 Resp: 66330
Ion Ratio Lower Upper
188 100
94 3.5 5.0 7.6#
80 3.4 5.9 8.9#



#71
Phenanthrene
Concen: 4.24 ng
RT: 17.116 min Scan# 2385
Delta R.T. -0.000 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

Tgt Ion:178 Resp: 15984
Ion Ratio Lower Upper
178 100
176 17.3 15.4 23.2
179 13.8 12.3 18.5

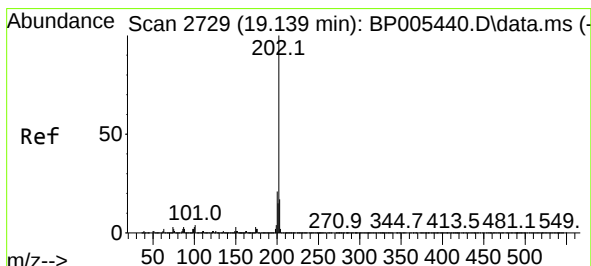
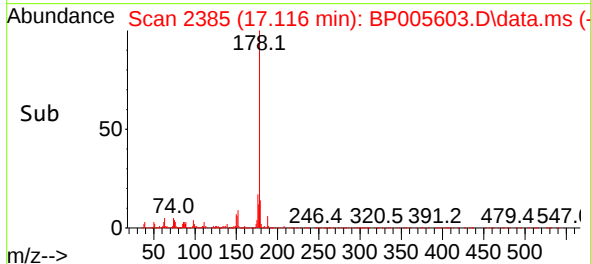
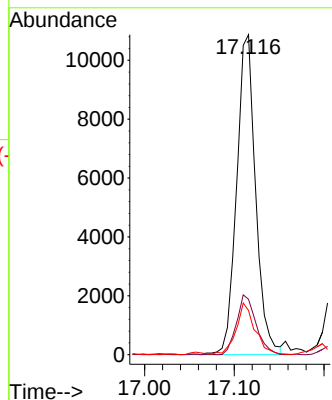
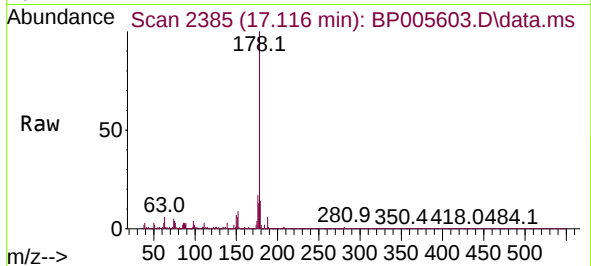




#72
 Anthracene
 Concen: 4.27 ng
 RT: 17.116 min Scan# 2385
 Delta R.T. -0.094 min
 Lab File: BP005603.D
 Acq: 18 May 2021 16:44

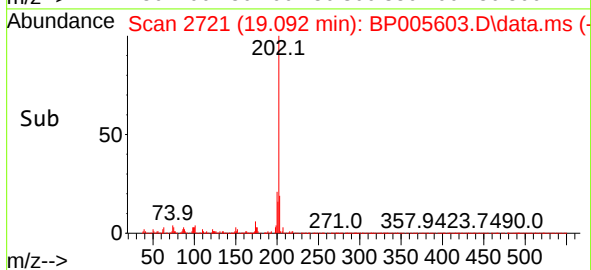
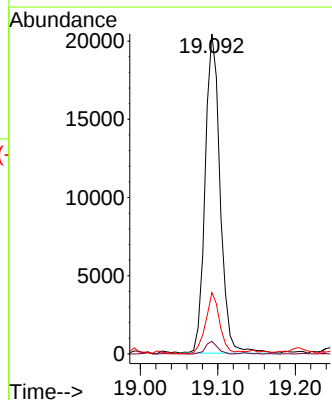
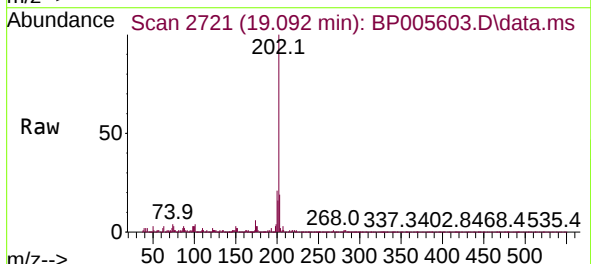
Instrument :
 BNA_P
 ClientSampleId :
 JG-SPOILS-5-11-21-B

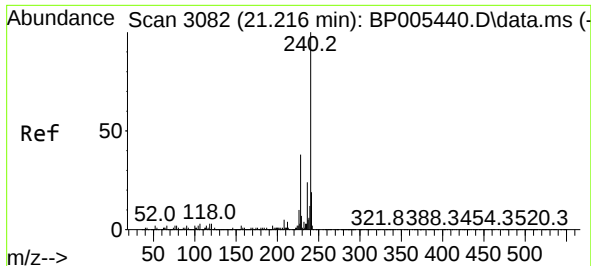
Tgt Ion:178	Resp:	15984
Ion Ratio	Lower	Upper
178	100	
176	17.3	15.2 22.8
179	13.8	12.6 19.0



#75
 Fluoranthene
 Concen: 5.29 ng
 RT: 19.092 min Scan# 2721
 Delta R.T. -0.006 min
 Lab File: BP005603.D
 Acq: 18 May 2021 16:44

Tgt Ion:202	Resp:	27442
Ion Ratio	Lower	Upper
202	100	
101	4.0	0.0 26.1
203	19.2	0.0 37.2

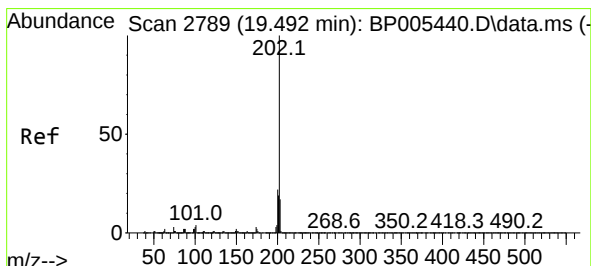
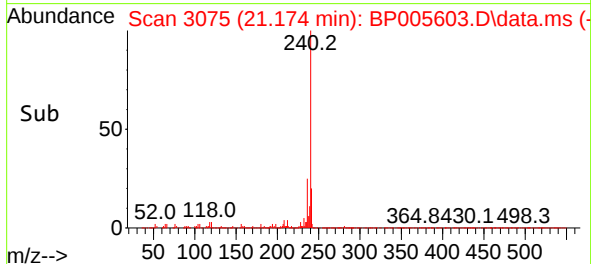
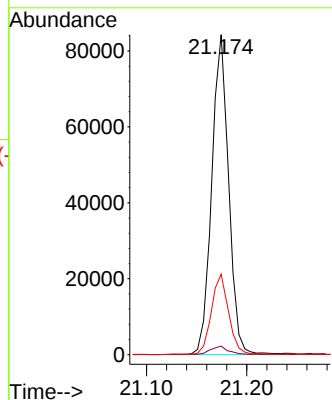
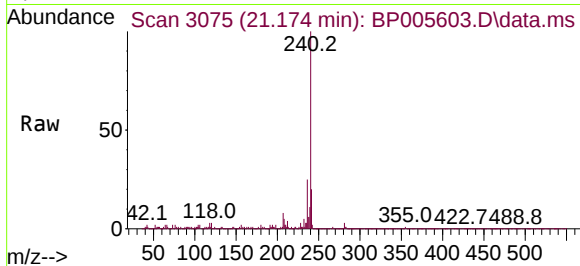




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.174 min Scan# 3075
Delta R.T. -0.006 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

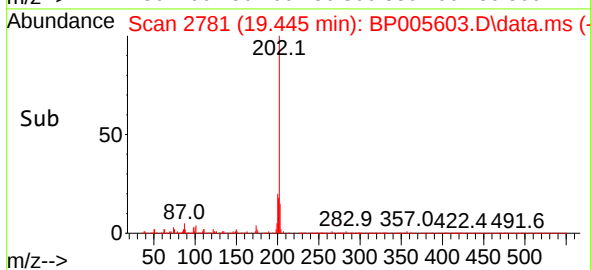
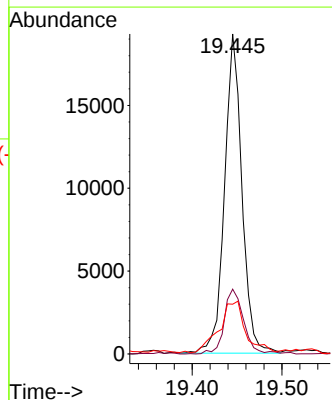
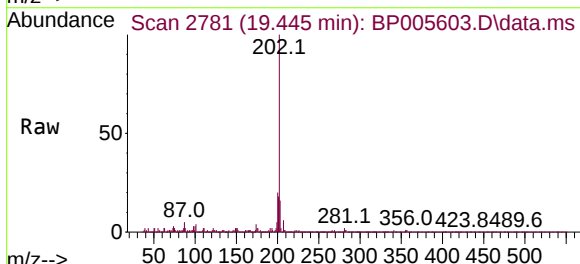
Instrument :
BNA_P
ClientSampleId :
JG-SPOILS-5-11-21-B

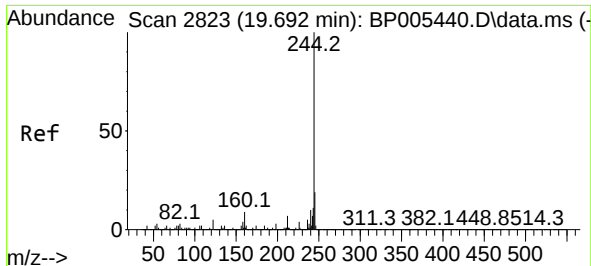
Tgt Ion:240 Resp: 98693
Ion Ratio Lower Upper
240 100
120 3.1 4.2 6.2#
236 25.1 20.2 30.2



#78
Pyrene
Concen: 4.65 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.006 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

Tgt Ion:202 Resp: 25998
Ion Ratio Lower Upper
202 100
200 20.3 16.9 25.3
203 15.5 13.8 20.6

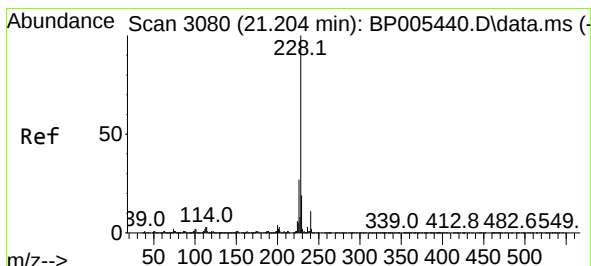
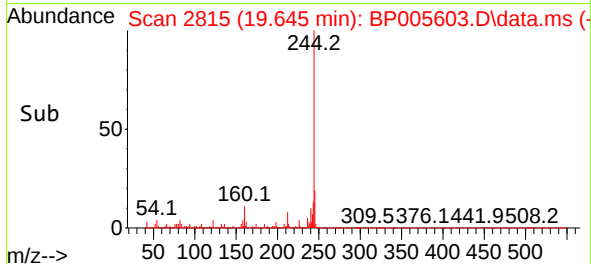
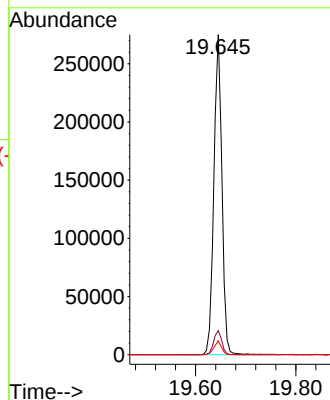
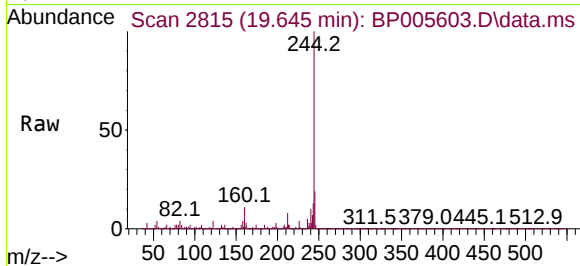




#79
 Terphenyl-d14
 Concen: 52.63 ng
 RT: 19.645 min Scan# 2815
 Delta R.T. -0.006 min
 Lab File: BP005603.D
 Acq: 18 May 2021 16:44

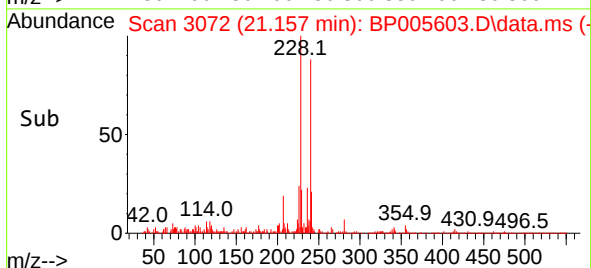
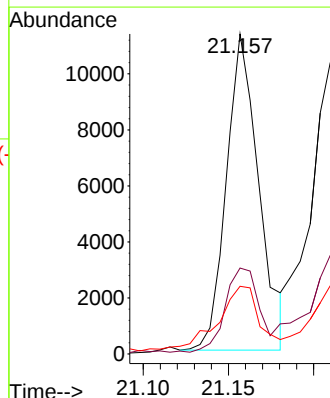
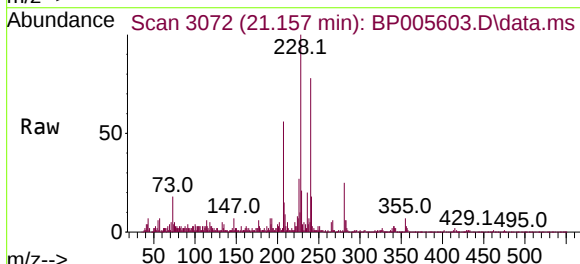
Instrument :
 BNA_P
 ClientSampleId :
 JG-SPOILS-5-11-21-B

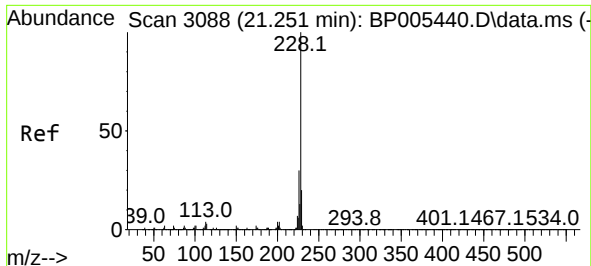
Tgt Ion:244 Resp: 305849
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 4.4 5.2 7.8#



#81
 Benzo(a)anthracene
 Concen: 2.33 ng
 RT: 21.157 min Scan# 3072
 Delta R.T. -0.006 min
 Lab File: BP005603.D
 Acq: 18 May 2021 16:44

Tgt Ion:228 Resp: 14921
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.2 31.8
 229 21.1 15.6 23.4

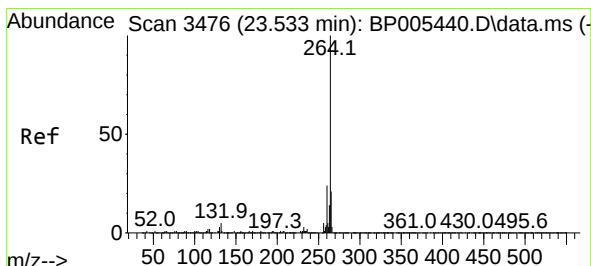
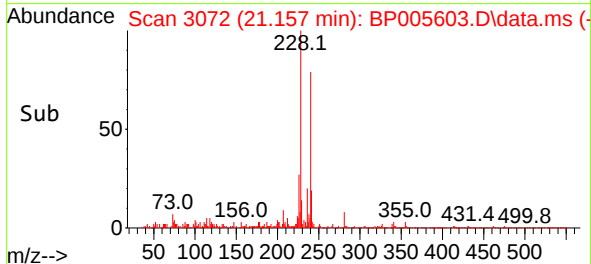
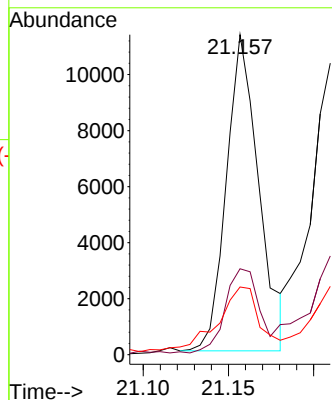
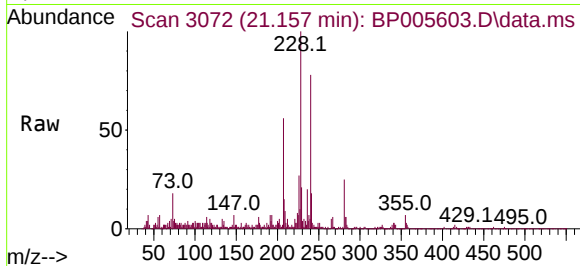




#83
Chrysene
Concen: 2.41 ng
RT: 21.157 min Scan# 3072
Delta R.T. -0.059 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

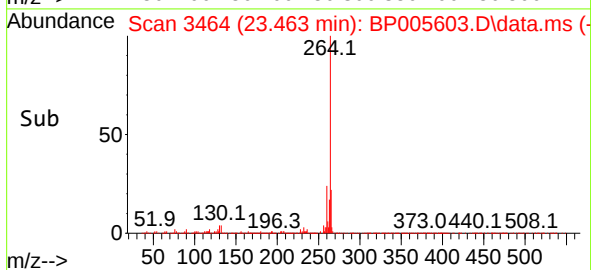
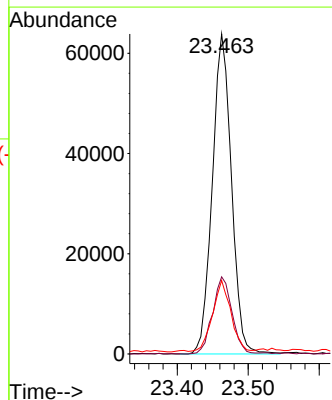
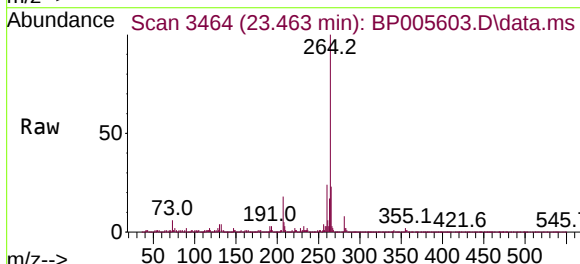
Instrument :
BNA_P
ClientSampleId :
JG-SPOILS-5-11-21-B

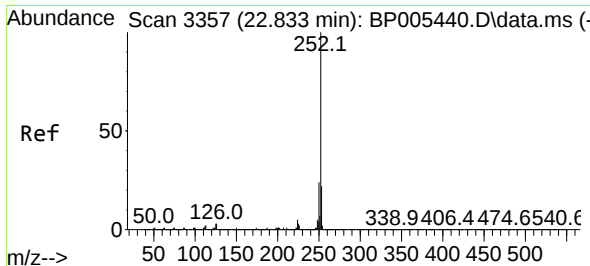
Tgt Ion:	228	Resp:	14921
Ion Ratio	Lower	Upper	
228	100		
226	26.9	24.8	37.2
229	21.1	15.4	23.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.463 min Scan# 3464
Delta R.T. -0.012 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

Tgt Ion:	264	Resp:	119649
Ion Ratio	Lower	Upper	
264	100		
260	24.1	20.6	30.8
265	23.0	19.0	28.6

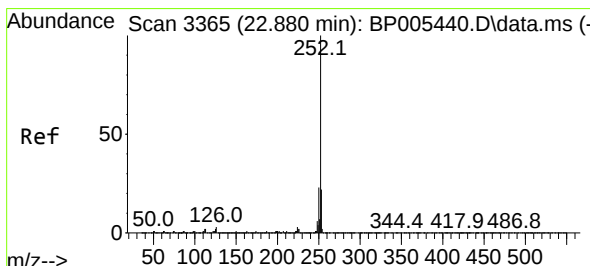
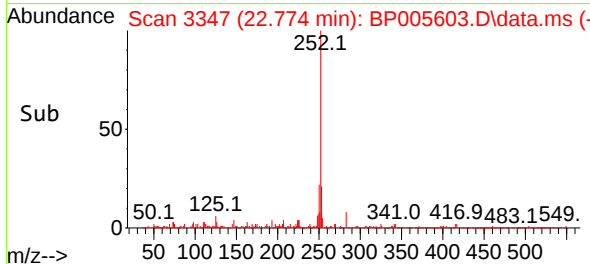
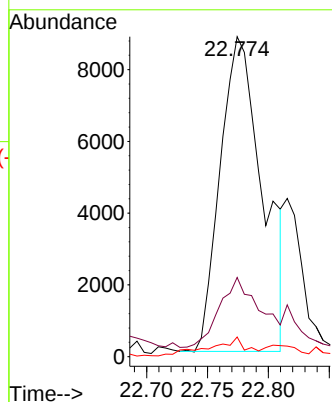
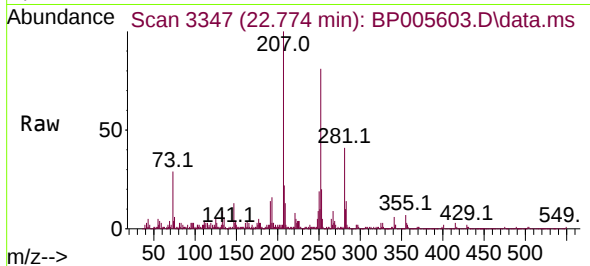




#88
Benzo(b)fluoranthene
Concen: 2.66 ng
RT: 22.774 min Scan# 3347
Delta R.T. 0.000 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

Instrument :
BNA_P
ClientSampleId :
JG-SPOILS-5-11-21-B

Tgt Ion:252 Resp: 21235
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 6.1 3.4 5.0#



#89
Benzo(k)fluoranthene
Concen: 2.72 ng
RT: 22.774 min Scan# 3347
Delta R.T. -0.047 min
Lab File: BP005603.D
Acq: 18 May 2021 16:44

Tgt Ion:252 Resp: 21235
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 6.1 3.8 5.6#

