

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051821\
 Data File : BP005604.D
 Acq On : 18 May 2021 17:18
 Operator : CG/JU
 Sample : M2366-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: May 19 02:16:25 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)

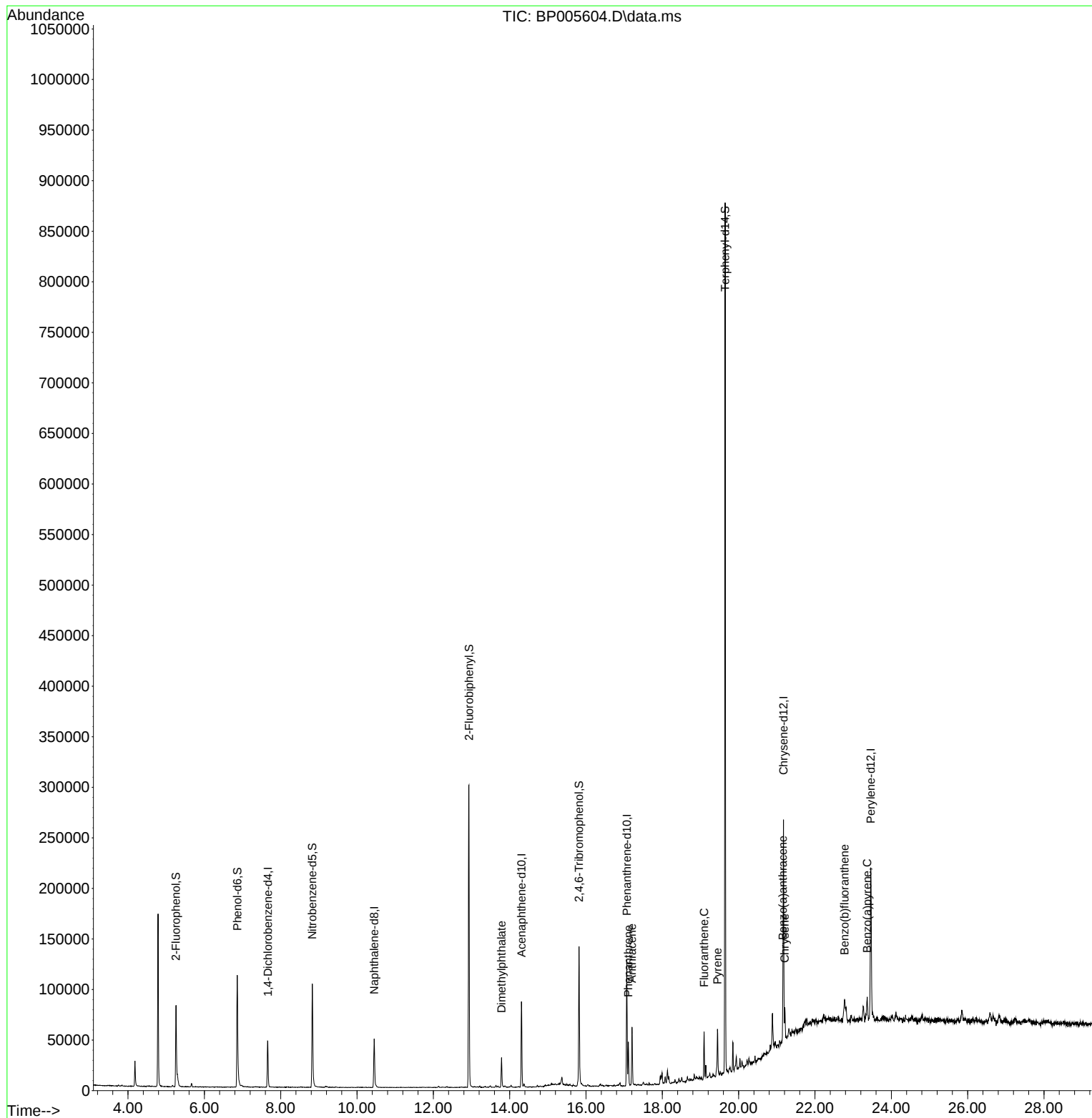
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	10279	20.00	ng	0.00
21) Naphthalene-d8	10.451	136	31398	20.00	ng	# 0.00
39) Acenaphthene-d10	14.310	164	25468	20.00	ng	0.00
64) Phenanthrene-d10	17.069	188	65563	20.00	ng	# 0.00
76) Chrysene-d12	21.174	240	97038	20.00	ng	# 0.00
86) Perylene-d12	23.462	264	116162	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.258	112	27530	51.40	ng	0.00
7) Phenol-d6	6.863	99	48726	72.96	ng	0.00
23) Nitrobenzene-d5	8.828	82	53194	66.68	ng	0.00
42) 2,4,6-Tribromophenol	15.816	330	26631	36.85	ng	0.00
45) 2-Fluorobiphenyl	12.934	172	136565	60.49	ng	0.00
79) Terphenyl-d14	19.645	244	336011	58.81	ng	0.00
Target Compounds						
						Qvalue
50) Dimethylphthalate	13.787	163	15735	7.16	ng	# 94
71) Phenanthrene	17.110	178	21949	5.89	ng	97
72) Anthracene	17.204	178	34549	9.34	ng	96
75) Fluoranthene	19.092	202	24141	4.71	ng	97
78) Pyrene	19.445	202	26678	4.86	ng	99
81) Benzo(a)anthracene	21.157	228	16738	2.66	ng	97
83) Chrysene	21.210	228	14744	2.42	ng	93
88) Benzo(b)fluoranthene	22.774	252	19364	2.50	ng	# 97
90) Benzo(a)pyrene	23.368	252	16269	2.29	ng	# 92

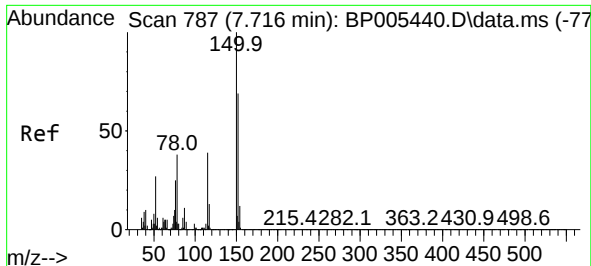
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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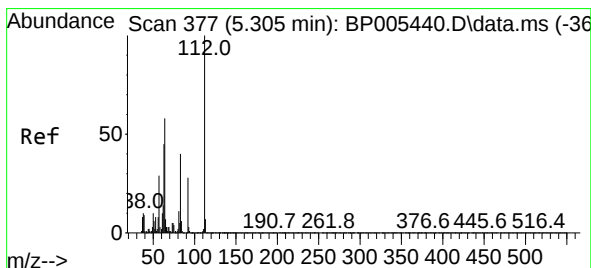
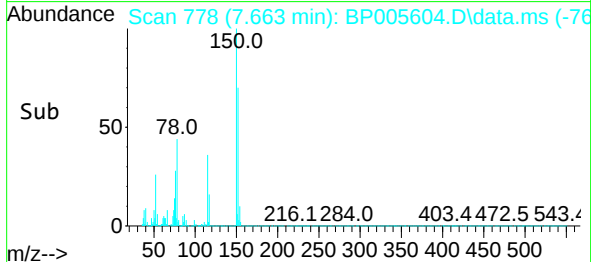
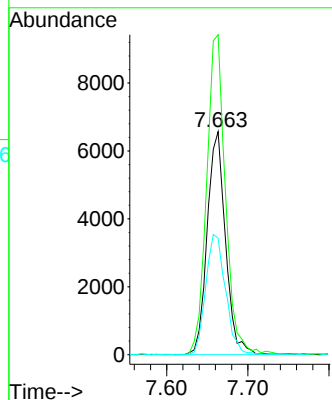
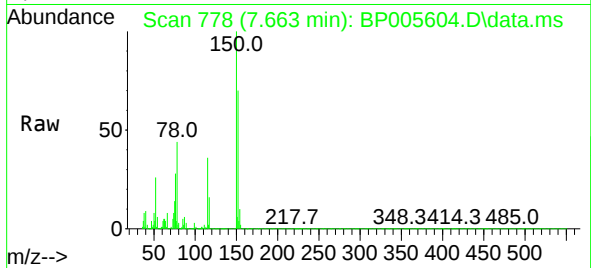




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

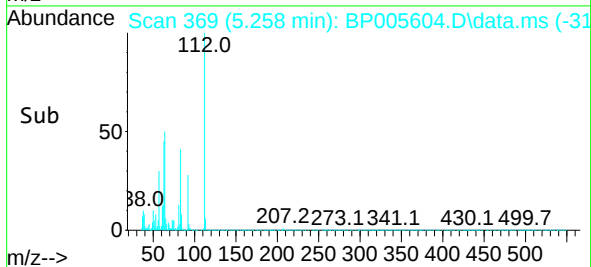
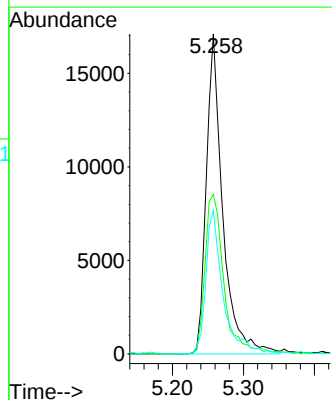
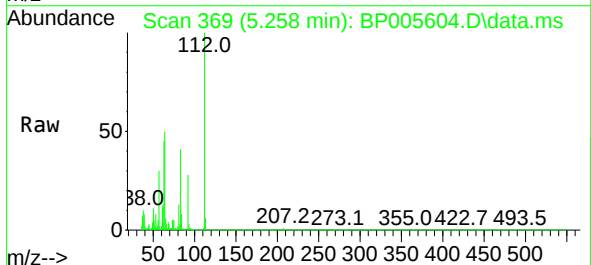
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BNA_P
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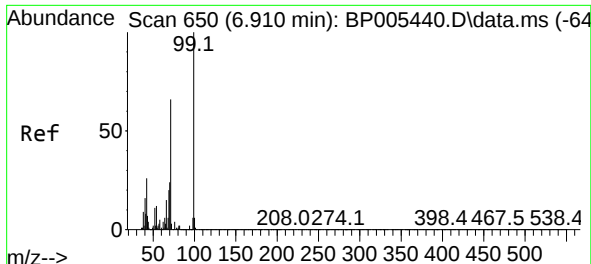
Tgt Ion:152 Resp: 10279
Ion Ratio Lower Upper
152 100
150 143.5 119.8 179.8
115 52.3 49.0 73.4



#5
2-Fluorophenol
Concen: 51.40 ng
RT: 5.258 min Scan# 369
Delta R.T. -0.000 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

Tgt Ion:112 Resp: 27530
Ion Ratio Lower Upper
112 100
64 49.9 33.6 50.4
63 44.8 18.6 27.8#

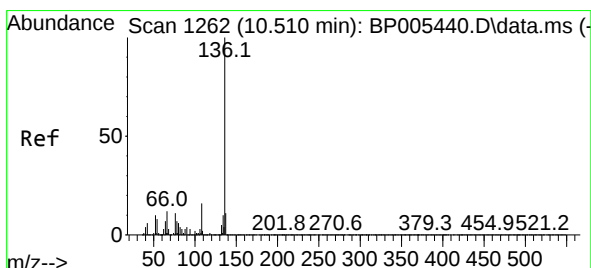
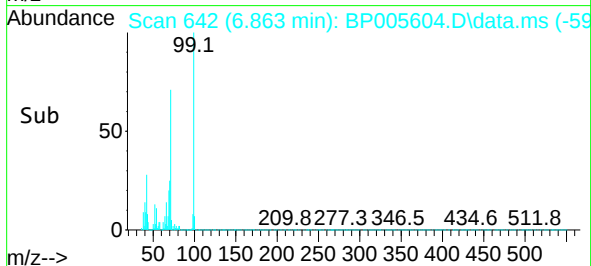
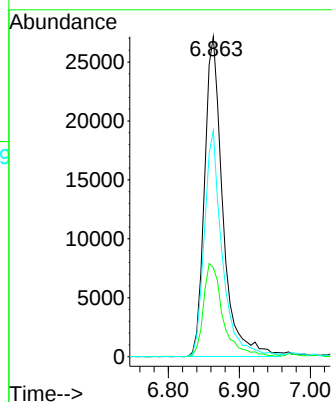
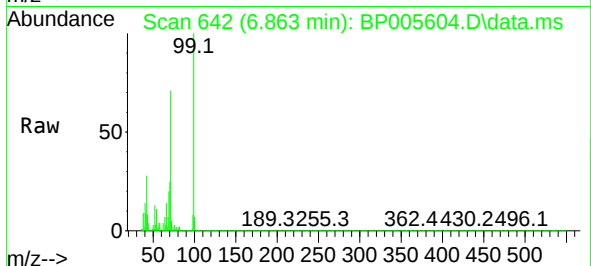




#7
Phenol-d6
Concen: 72.96 ng
RT: 6.863 min Scan# 642
Delta R.T. -0.000 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

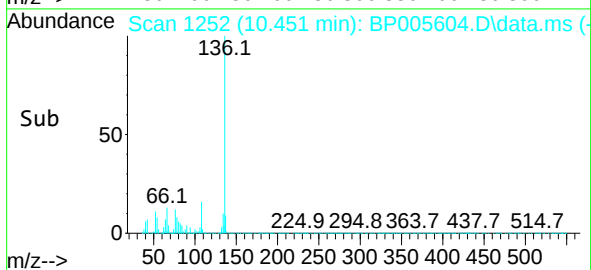
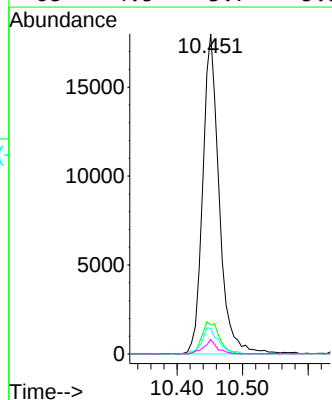
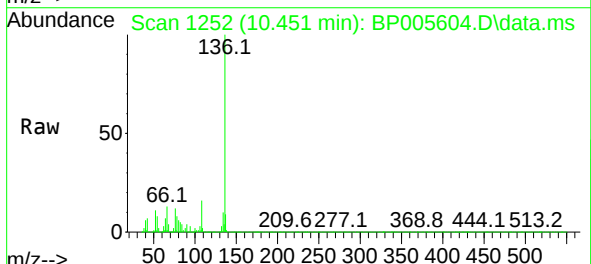
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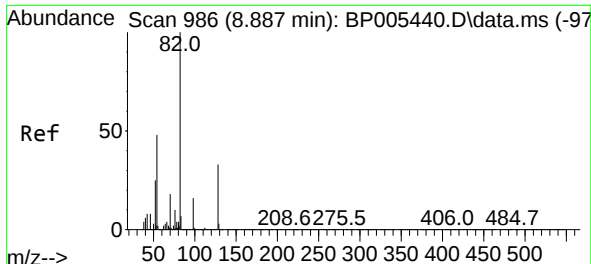
Tgt Ion: 99 Resp: 48726
Ion Ratio Lower Upper
99 100
42 27.9 12.9 19.3#
71 70.7 26.7 40.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.451 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

Tgt Ion: 136 Resp: 31398
Ion Ratio Lower Upper
136 100
137 9.1 8.9 13.3
54 8.0 5.0 7.4#
68 4.5 3.7 5.5

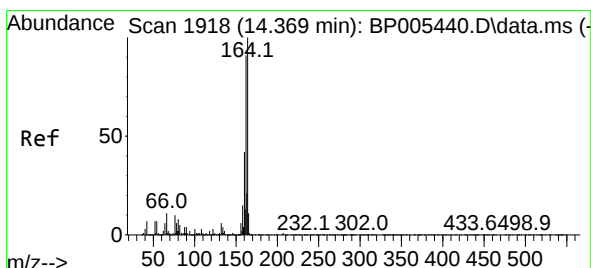
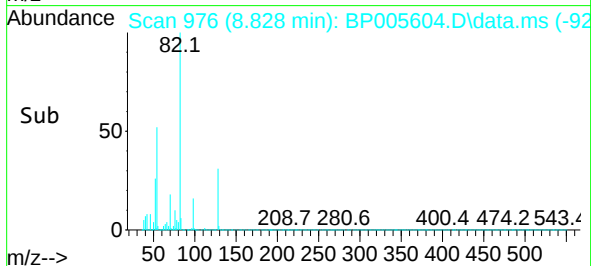
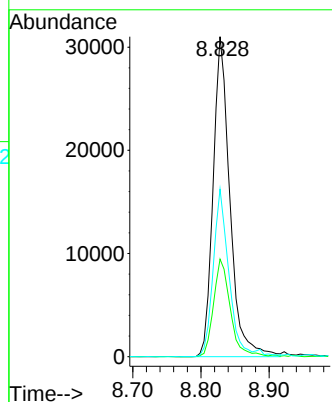
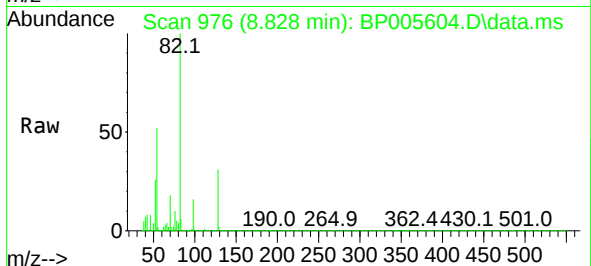




#23
Nitrobenzene-d5
Concen: 66.68 ng
RT: 8.828 min Scan# 976
Delta R.T. -0.006 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

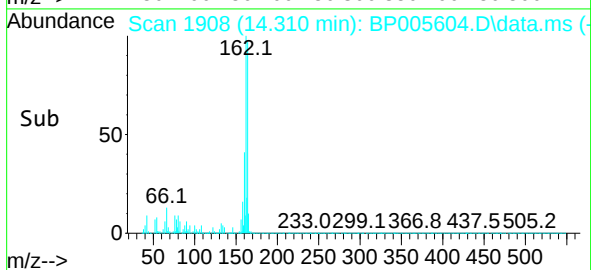
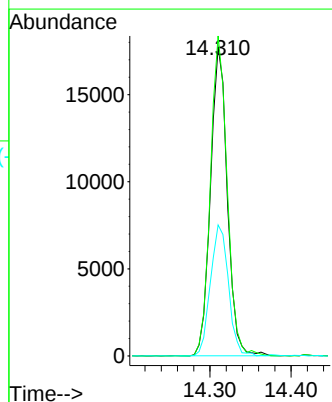
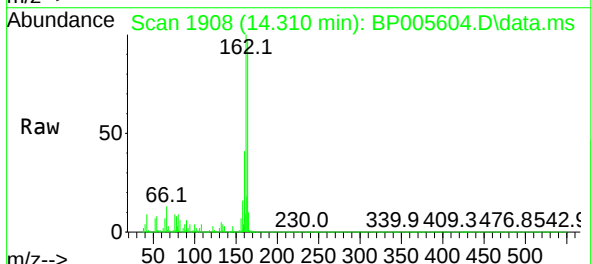
Instrument :
BNA_P
ClientSampleId :
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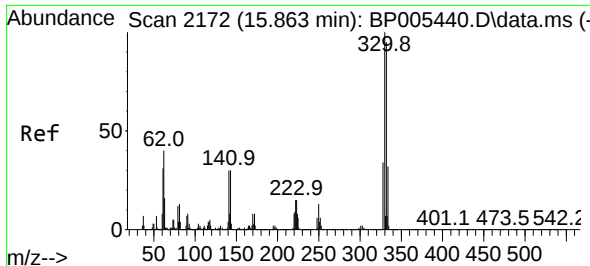
Tgt Ion: 82 Resp: 53194
Ion Ratio Lower Upper
82 100
128 30.5 30.5 45.7
54 52.4 33.9 50.9#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.310 min Scan# 1908
Delta R.T. -0.006 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

Tgt Ion: 164 Resp: 25468
Ion Ratio Lower Upper
164 100
162 103.6 73.5 110.3
160 42.4 40.6 61.0

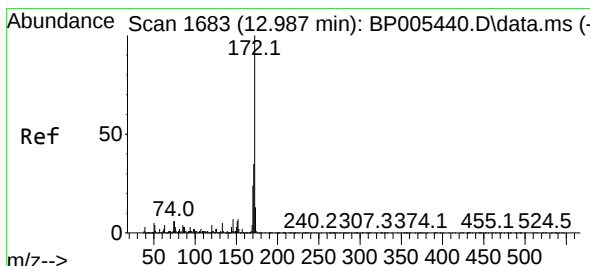
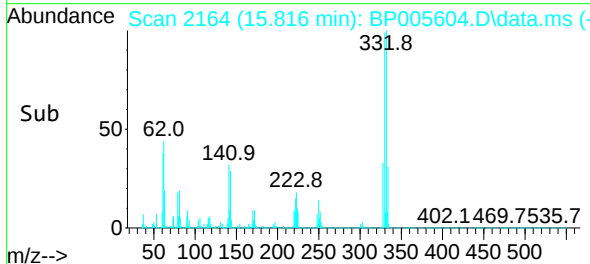
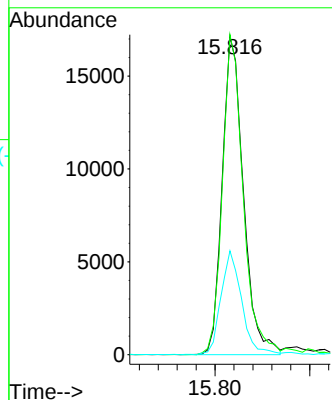
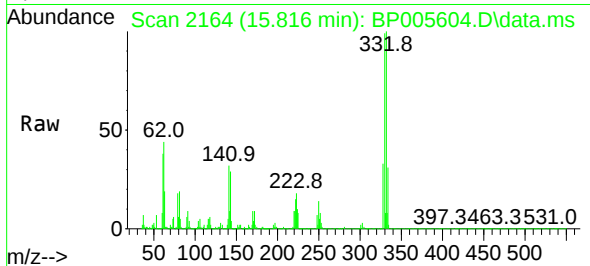




#42
2,4,6-Tribromophenol
Concen: 36.85 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.000 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

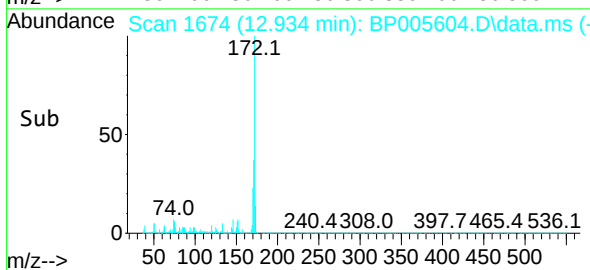
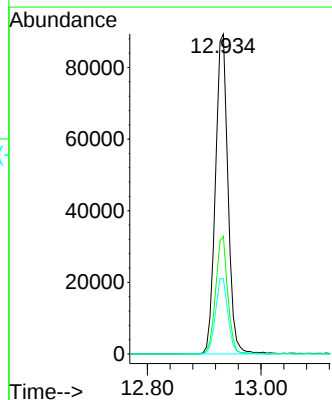
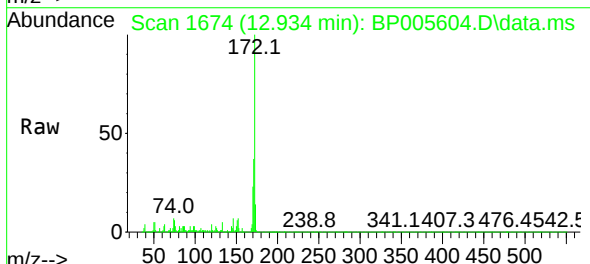
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JG-SPOILS-5-11-21-C

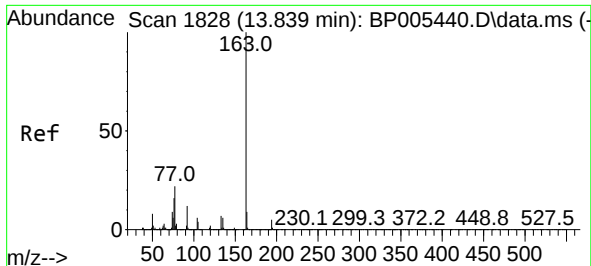
Tgt Ion:	330	Resp:	26631
Ion Ratio	Lower	Upper	
330	100		
332	99.7	76.3	114.5
141	32.4	22.8	34.2



#45
2-Fluorobiphenyl
Concen: 60.49 ng
RT: 12.934 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

Tgt Ion:	172	Resp:	136565
Ion Ratio	Lower	Upper	
172	100		
171	36.8	28.1	42.1
170	23.5	19.6	29.4

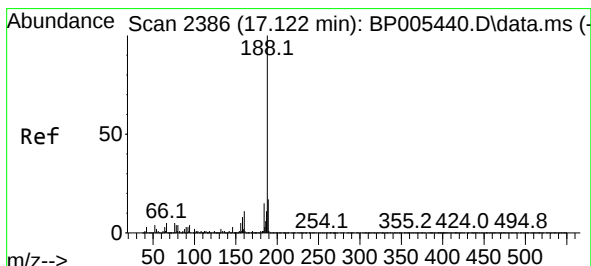
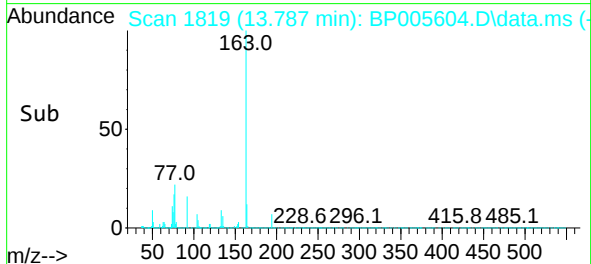
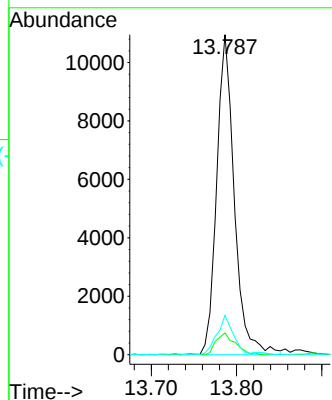
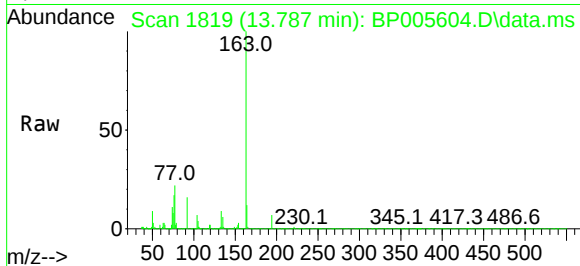




#50
Dimethylphthalate
Concen: 7.16 ng
RT: 13.787 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

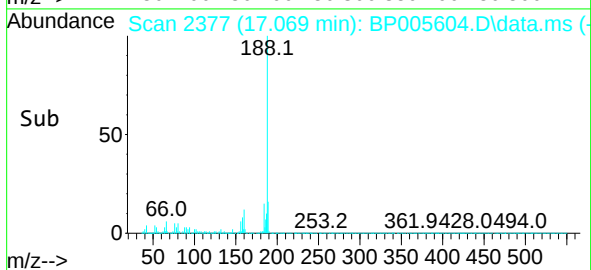
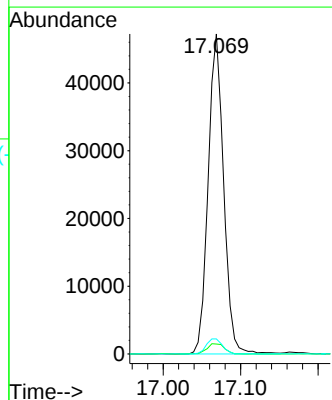
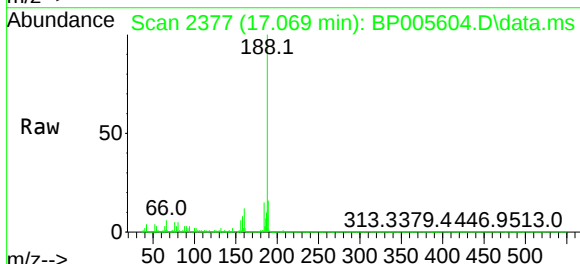
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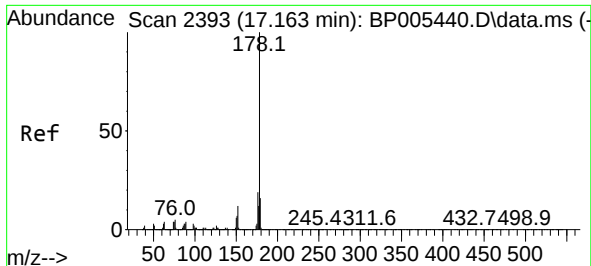
Tgt Ion:163 Resp: 15735
Ion Ratio Lower Upper
163 100
194 6.8 3.9 5.9#
164 12.3 8.1 12.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.069 min Scan# 2377
Delta R.T. -0.006 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

Tgt Ion:188 Resp: 65563
Ion Ratio Lower Upper
188 100
94 3.1 5.0 7.6#
80 4.7 5.9 8.9#

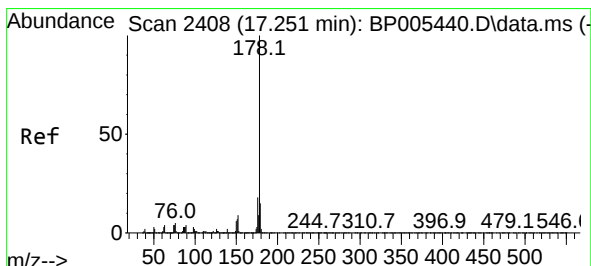
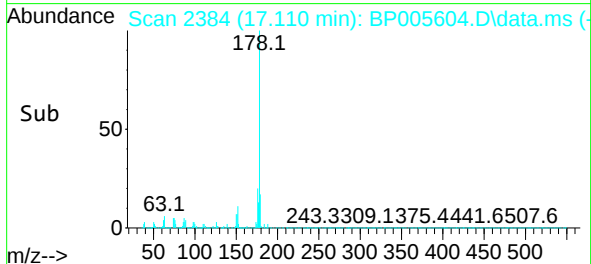
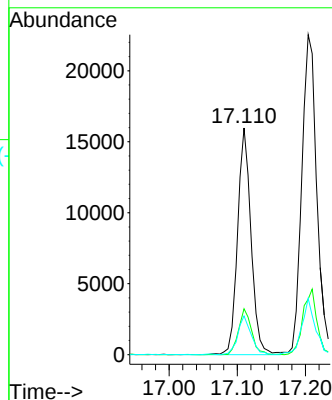
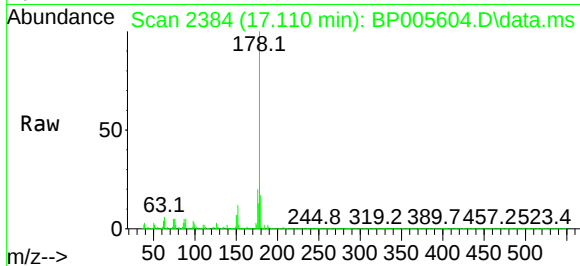




#71
Phenanthrene
Concen: 5.89 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.006 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

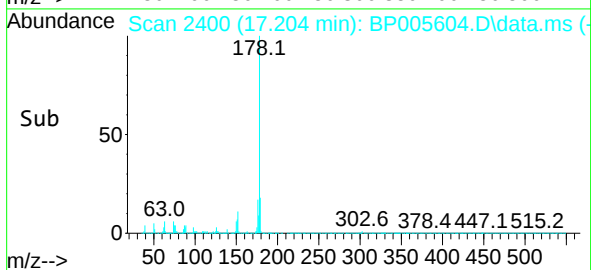
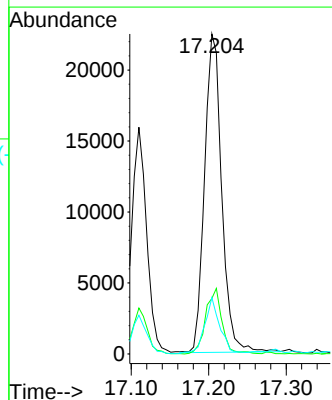
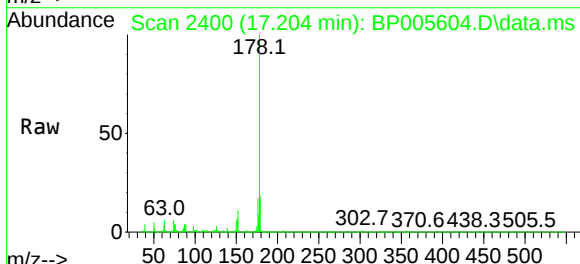
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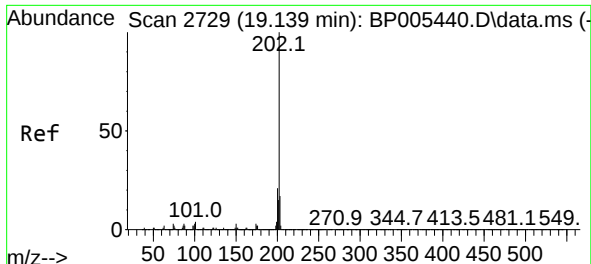
Tgt Ion:178 Resp: 21949
Ion Ratio Lower Upper
178 100
176 20.2 15.4 23.2
179 17.1 12.3 18.5



#72
Anthracene
Concen: 9.34 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

Tgt Ion:178 Resp: 34549
Ion Ratio Lower Upper
178 100
176 17.4 15.2 22.8
179 17.6 12.6 19.0

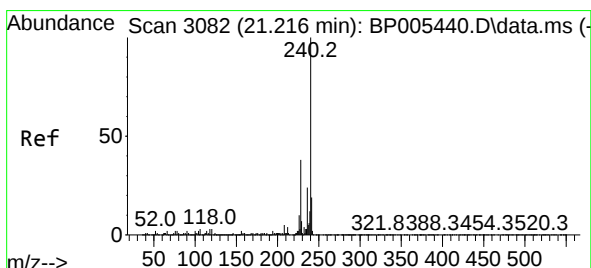
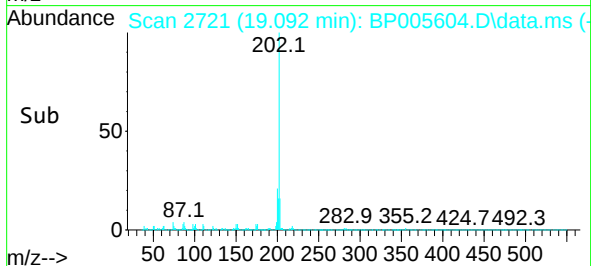
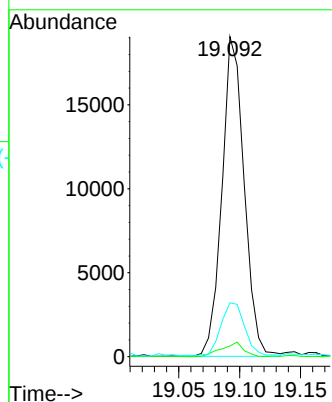
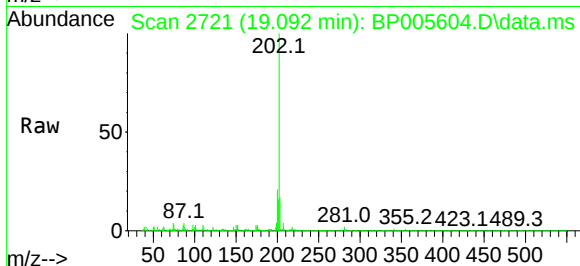




#75
Fluoranthene
Concen: 4.71 ng
RT: 19.092 min Scan# 2721
Delta R.T. -0.006 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

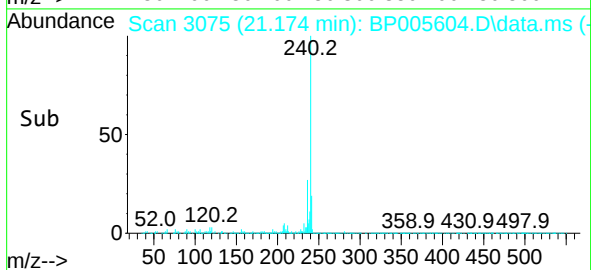
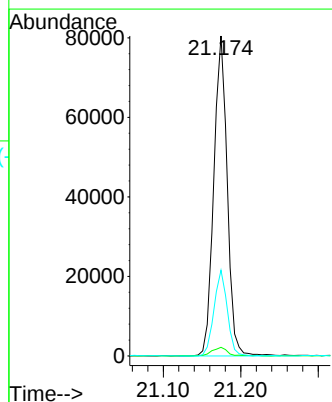
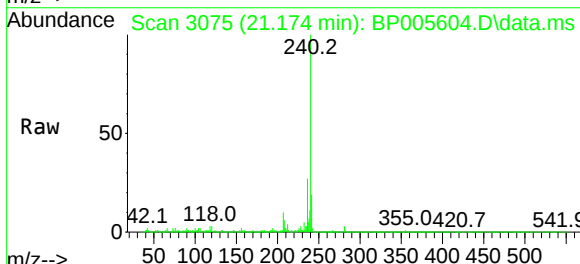
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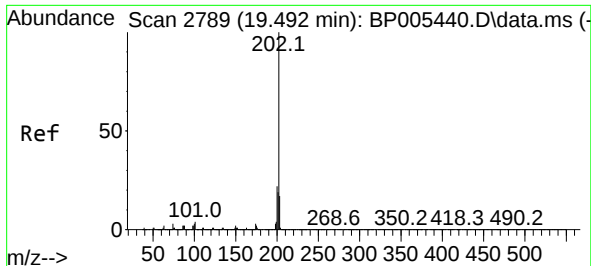
Tgt Ion:	202	Resp:	24141
Ion Ratio	Lower	Upper	
202	100		
101	3.4	0.0	26.1
203	16.8	0.0	37.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.174 min Scan# 3075
Delta R.T. -0.006 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

Tgt Ion:	240	Resp:	97038
Ion Ratio	Lower	Upper	
240	100		
120	2.7	4.2	6.2#
236	26.8	20.2	30.2

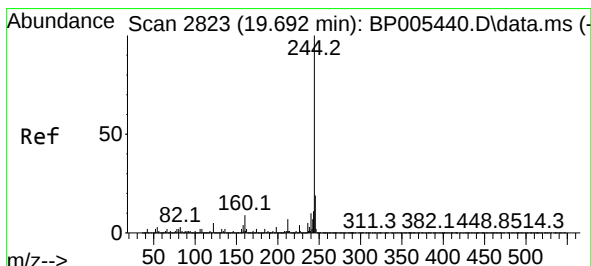
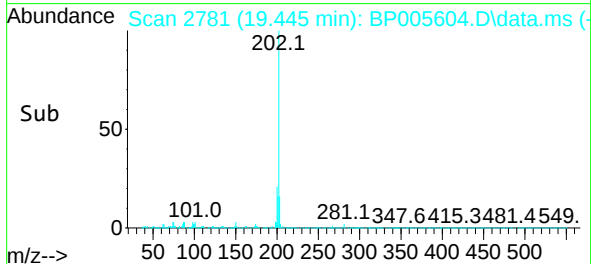
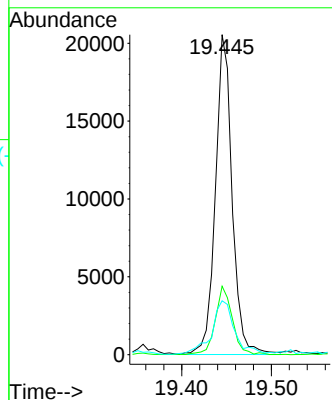
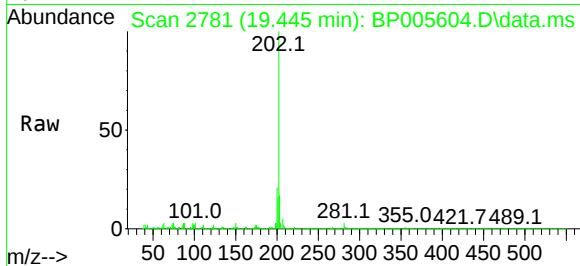




#78
Pyrene
Concen: 4.86 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.006 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

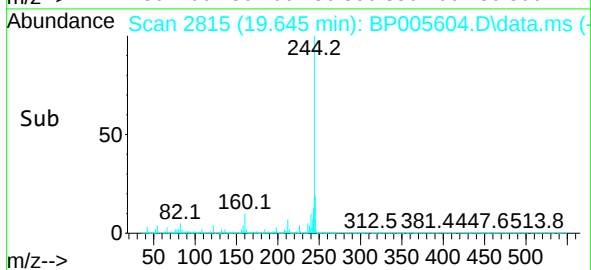
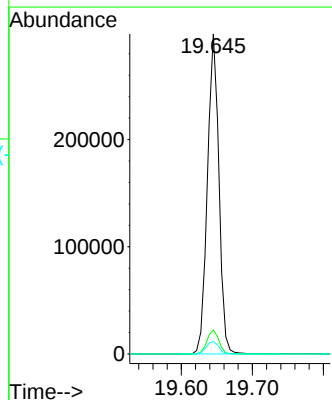
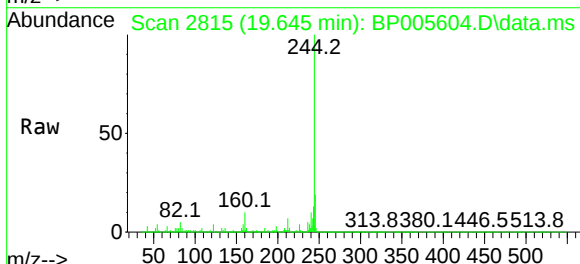
Instrument :
BNA_P
ClientSampleId :
JG-SPOILS-5-11-21-C

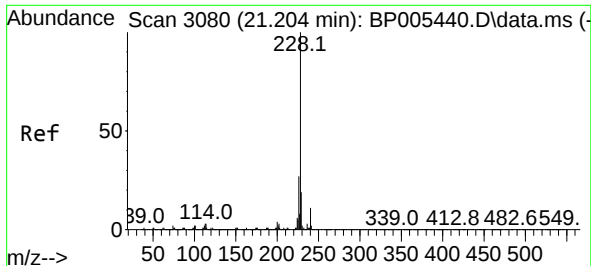
Tgt Ion:202 Resp: 26678
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 16.9 13.8 20.6



#79
Terphenyl-d14
Concen: 58.81 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

Tgt Ion:244 Resp: 336011
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 3.9 5.2 7.8#

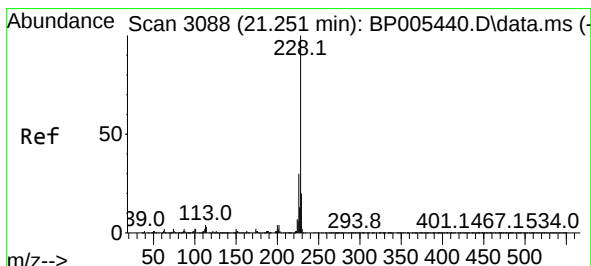
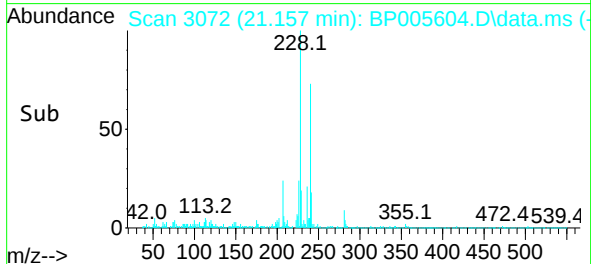
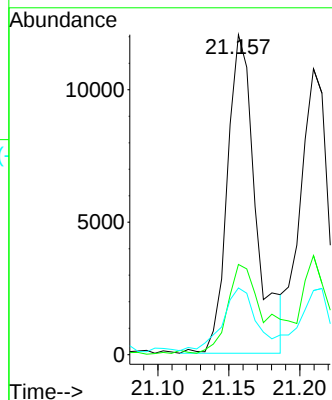
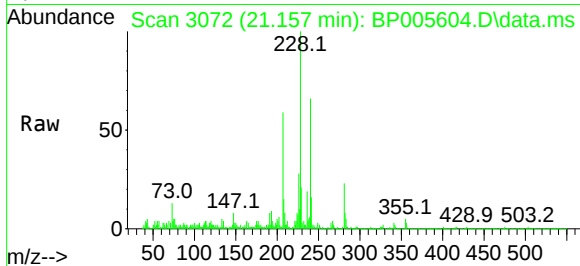




#81
Benzo(a)anthracene
Concen: 2.66 ng
RT: 21.157 min Scan# 3072
Delta R.T. -0.006 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

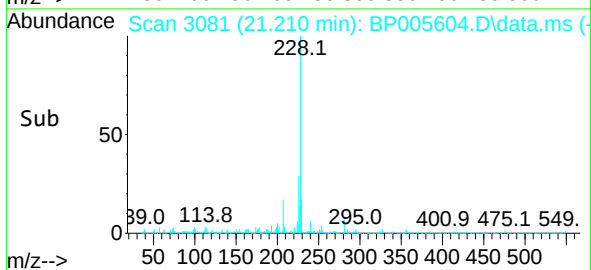
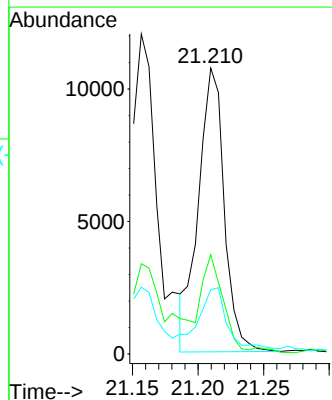
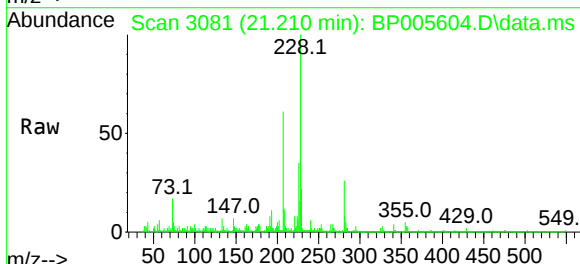
Instrument :
BNA_P
ClientSampleId :
JG-SPOILS-5-11-21-C

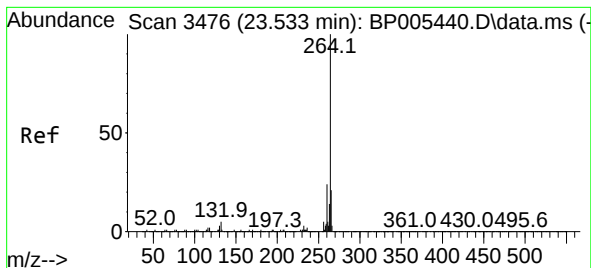
Tgt Ion:228	Resp:	16738
Ion Ratio	Lower	Upper
228	100	
226	28.2	21.2 31.8
229	20.9	15.6 23.4



#83
Chrysene
Concen: 2.42 ng
RT: 21.210 min Scan# 3081
Delta R.T. -0.006 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

Tgt Ion:228	Resp:	14744
Ion Ratio	Lower	Upper
228	100	
226	34.7	24.8 37.2
229	22.4	15.4 23.0

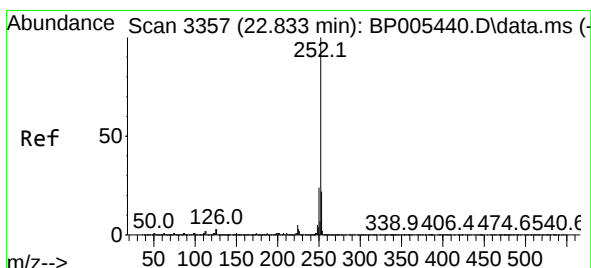
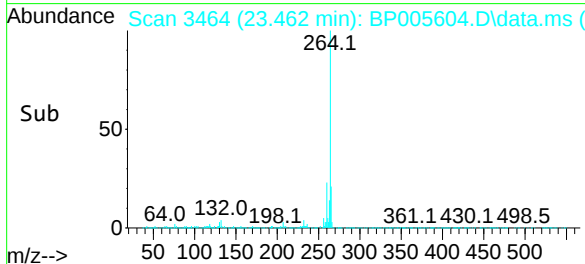
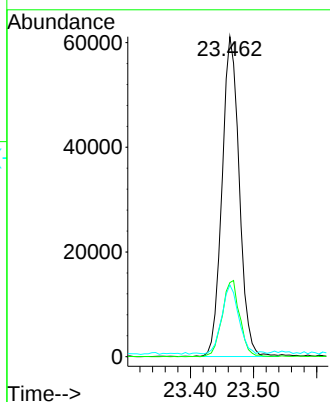
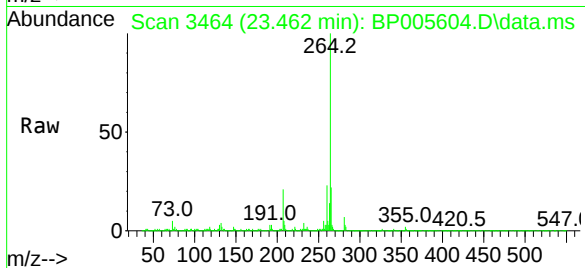




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.462 min Scan# 3464
 Delta R.T. -0.012 min
 Lab File: BP005604.D
 Acq: 18 May 2021 17:18

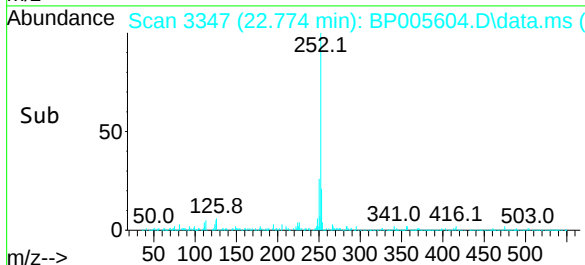
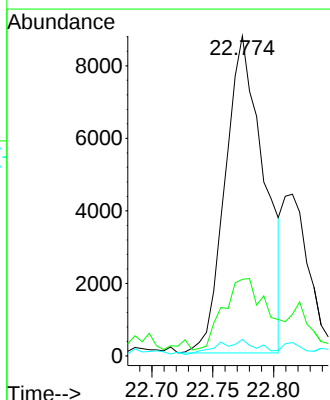
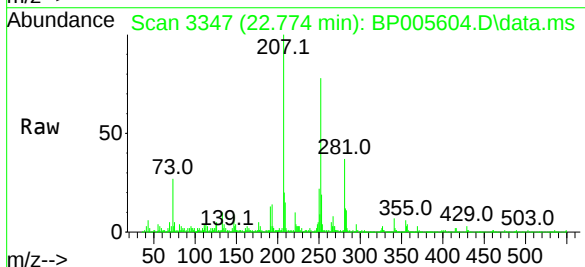
Instrument :
 BNA_P
 ClientSampleId :
 JG-SPOILS-5-11-21-C

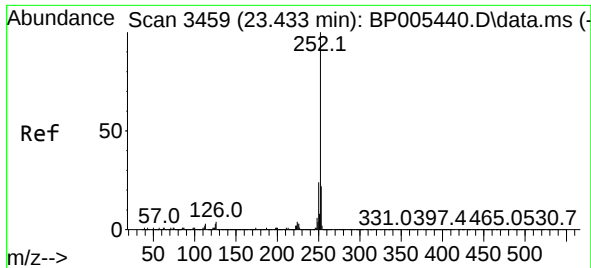
Tgt Ion:	264	Resp:	116162
Ion Ratio	Lower	Upper	
264	100		
260	23.1	20.6	30.8
265	22.4	19.0	28.6



#88
 Benzo(b)fluoranthene
 Concen: 2.50 ng
 RT: 22.774 min Scan# 3347
 Delta R.T. -0.000 min
 Lab File: BP005604.D
 Acq: 18 May 2021 17:18

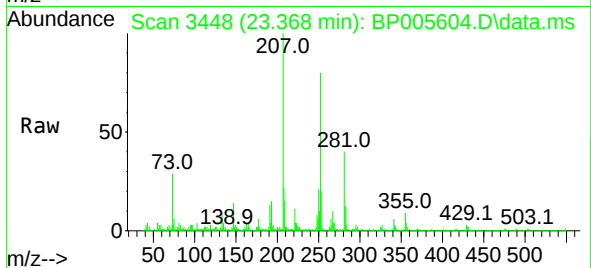
Tgt Ion:	252	Resp:	19364
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.2	27.2
125	5.2	3.4	5.0#





#90
Benzo(a)pyrene
Concen: 2.29 ng
RT: 23.368 min Scan# 3448
Delta R.T. -0.000 min
Lab File: BP005604.D
Acq: 18 May 2021 17:18

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



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.1	25.7
125	2.8	3.8	5.6#

