

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060321\
 Data File : BP005696.D
 Acq On : 03 Jun 2021 20:22
 Operator : CG/JU
 Sample : M2580-05RE 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 18-B2(2-4)

Quant Time: Jun 04 01:04:38 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 27 16:11:11 2021
 Response via : Initial Calibration

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

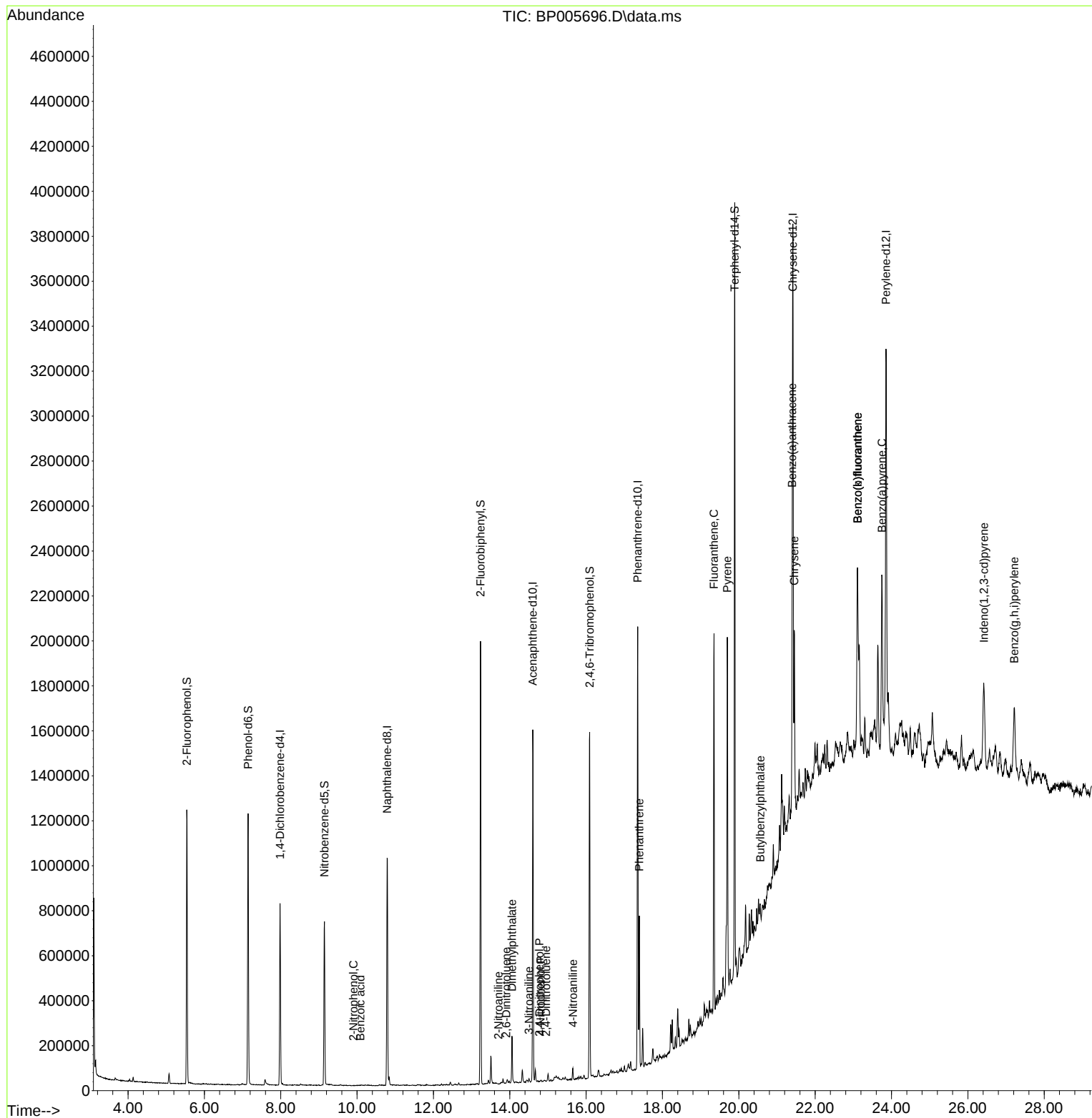
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.981	152	218407	20.00	ng	-0.01
21) Naphthalene-d8	10.787	136	861242	20.00	ng	#-0.01
39) Acenaphthene-d10	14.604	164	532244	20.00	ng	0.00
64) Phenanthrene-d10	17.351	188	1115372	20.00	ng	# 0.00
76) Chrysene-d12	21.416	240	1163810	20.00	ng	# 0.00
86) Perylene-d12	23.857	264	1277253	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	533802	38.00	ng	0.00
7) Phenol-d6	7.146	99	669462	34.96	ng	0.00
23) Nitrobenzene-d5	9.146	82	426274	27.53	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	310419	45.48	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	970334	24.13	ng	0.00
79) Terphenyl-d14	19.892	244	1506158	24.28	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.905	139	100	4.17	ng	# 1
32) Benzoic acid	10.087	122	120	5.03	ng	# 53
48) 2-Nitroaniline	13.704	65	332	4.52	ng	# 37
50) Dimethylphthalate	14.057	163	126079	2.98	ng	98
51) 2,6-Dinitrotoluene	13.910	165	98	5.07	ng	94
53) 3-Nitroaniline	14.504	138	172	3.67	ng	# 54
54) 2,4-Dinitrophenol	14.775	184	101	6.55	ng	92
56) 4-Nitrophenol	14.810	139	234	3.77	ng	# 57
57) 2,4-Dinitrotoluene	14.951	165	88	4.27	ng	# 53
62) 4-Nitroaniline	15.657	138	241	3.65	ng	# 63
71) Phenanthrene	17.392	178	387494	5.58	ng	99
75) Fluoranthene	19.351	202	958588	11.49	ng	97
78) Pyrene	19.698	202	902360	10.99	ng	99
80) Butylbenzylphthalate	20.563	149	17735	4.62	ng	95
81) Benzo(a)anthracene	21.398	228	530786	6.21	ng	96
83) Chrysene	21.451	228	486425	5.88	ng	97
87) Indeno(1,2,3-cd)pyrene	26.421	276	399866	3.68	ng	# 94
88) Benzo(b)fluoranthene	23.110	252	704996	7.61	ng	# 93
89) Benzo(k)fluoranthene	23.110	252	704996	8.03	ng	# 91
90) Benzo(a)pyrene	23.751	252	541596	6.42	ng	# 93
92) Benzo(g,h,i)perylene	27.215	276	399207	4.39	ng	# 89

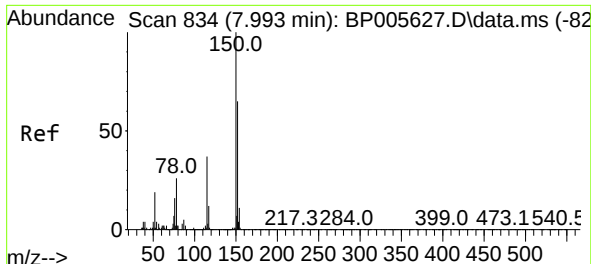
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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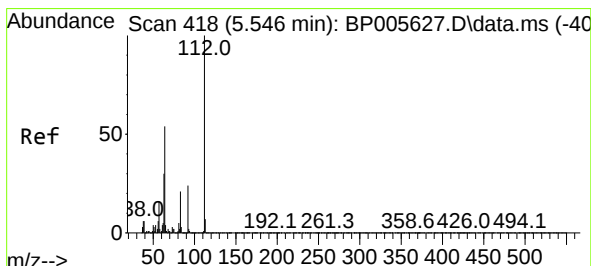
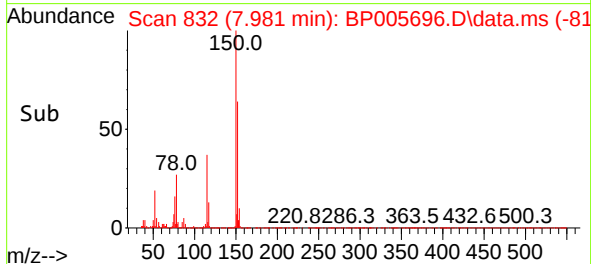
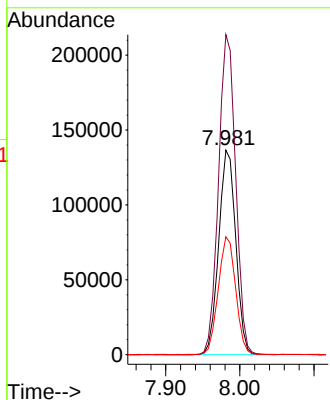
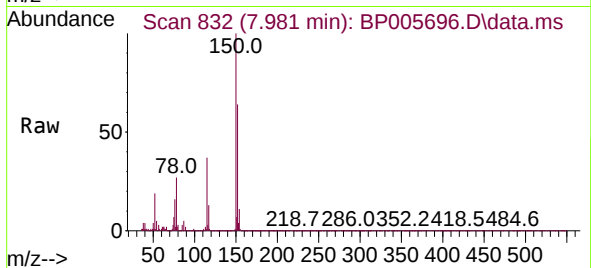




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.981 min Scan# 832
Delta R.T. -0.012 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

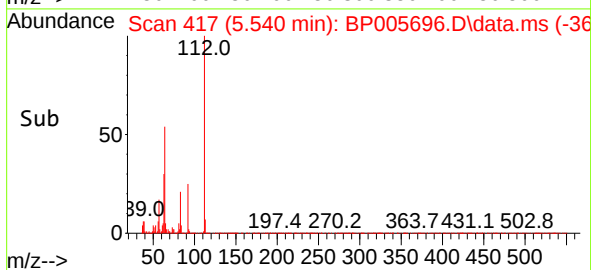
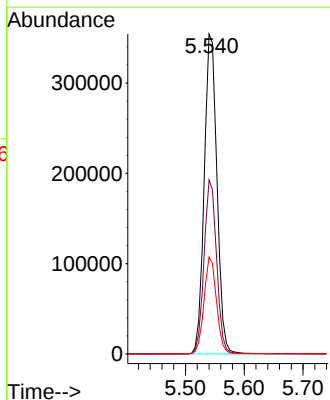
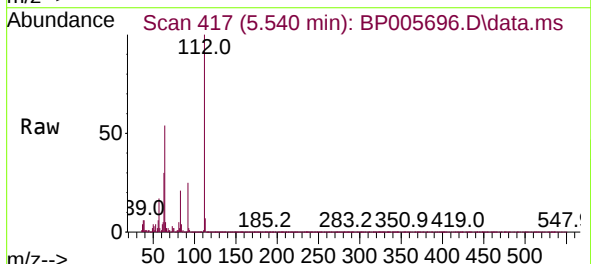
Instrument :
BNA_P
ClientSampleId :
18-B2(2-4)

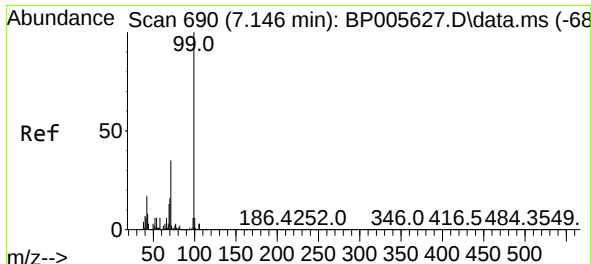
Tgt Ion:152 Resp: 218407
Ion Ratio Lower Upper
152 100
150 156.5 119.8 179.8
115 57.7 49.0 73.4



#5
2-Fluorophenol
Concen: 38.00 ng
RT: 5.540 min Scan# 417
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:112 Resp: 533802
Ion Ratio Lower Upper
112 100
64 54.4 33.6 50.4#
63 30.3 18.6 27.8#

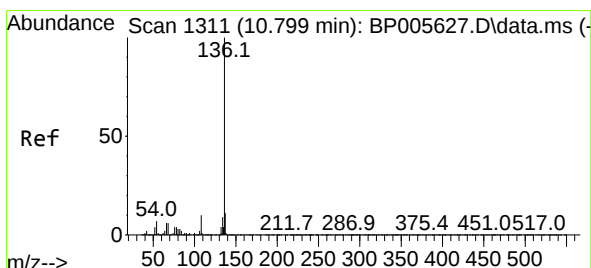
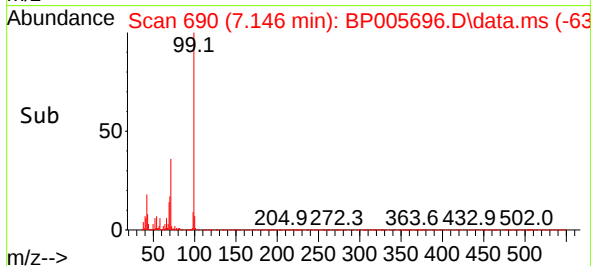
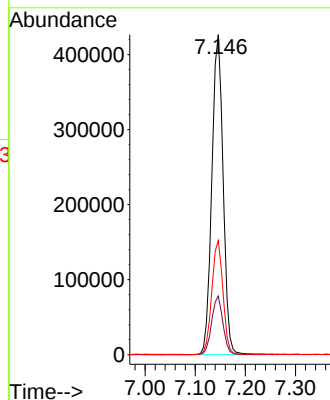
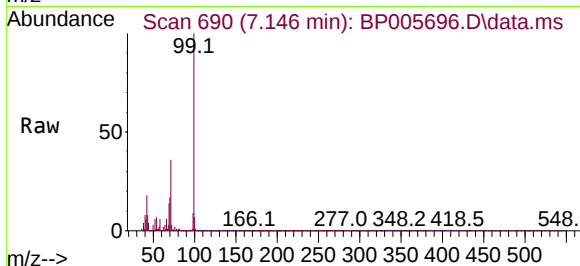




#7
Phenol-d6
Concen: 34.96 ng
RT: 7.146 min Scan# 690
Delta R.T. -0.000 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

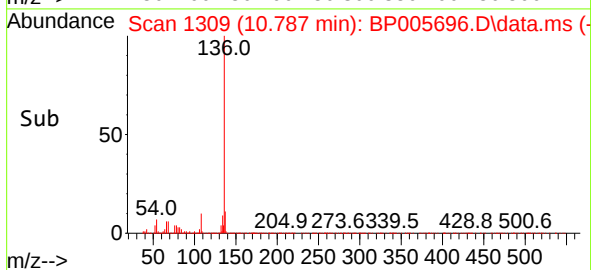
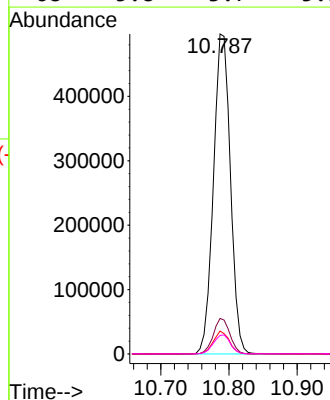
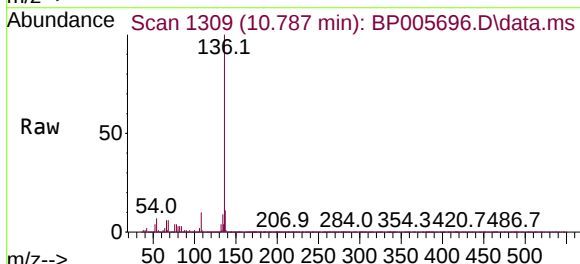
Instrument :
BNA_P
ClientSampleId :
18-B2(2-4)

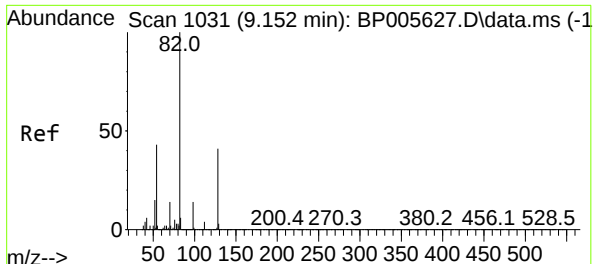
Tgt Ion:	99	Resp:	669462
Ion	Ratio	Lower	Upper
99	100		
42	18.3	12.9	19.3
71	35.7	26.7	40.1



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.787 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:	136	Resp:	861242
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.2	5.0	7.4
68	5.8	3.7	5.5

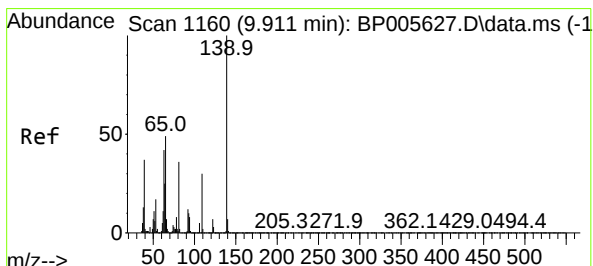
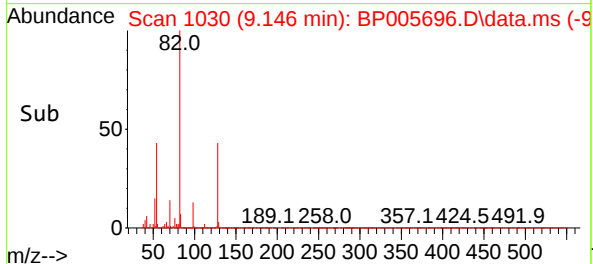
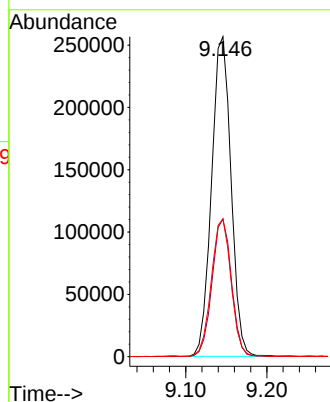
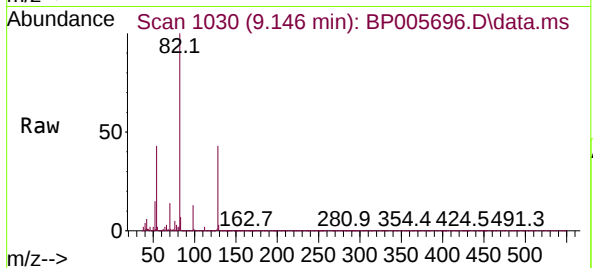




#23
Nitrobenzene-d5
Concen: 27.53 ng
RT: 9.146 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

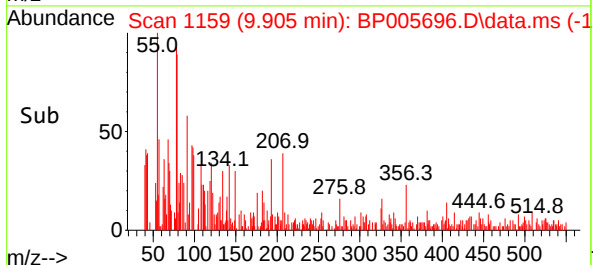
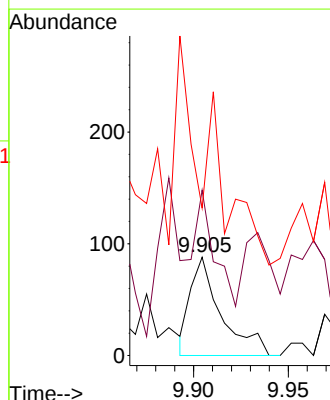
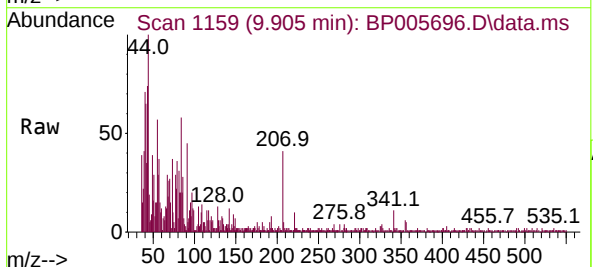
Instrument :
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ClientSampleId :
18-B2(2-4)

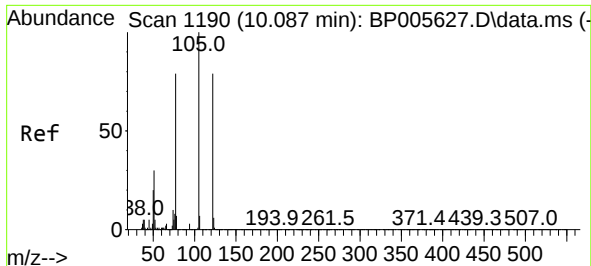
Tgt Ion: 82 Resp: 426274
Ion Ratio Lower Upper
82 100
128 43.0 30.5 45.7
54 43.1 33.9 50.9



#26
2-Nitrophenol
Concen: 4.17 ng
RT: 9.905 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion: 139 Resp: 100
Ion Ratio Lower Upper
139 100
109 168.2 40.7 61.1#
65 150.0 47.8 71.6#

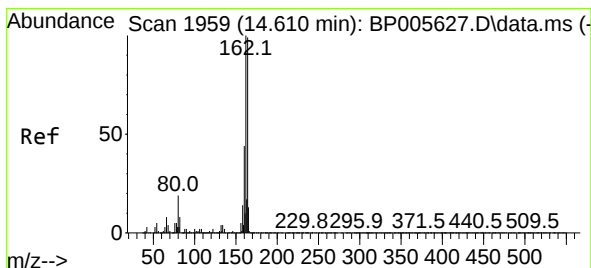
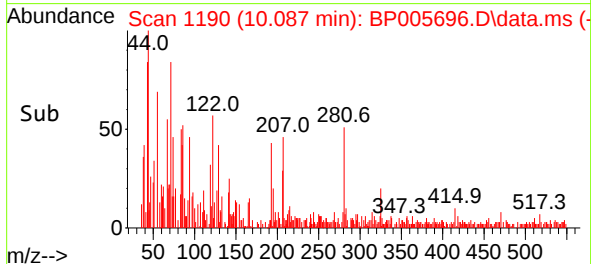
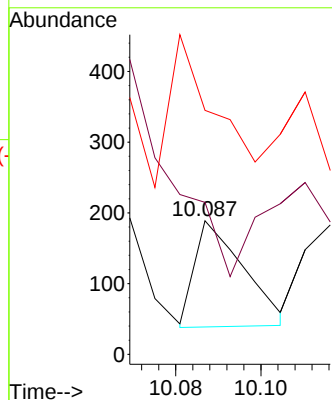
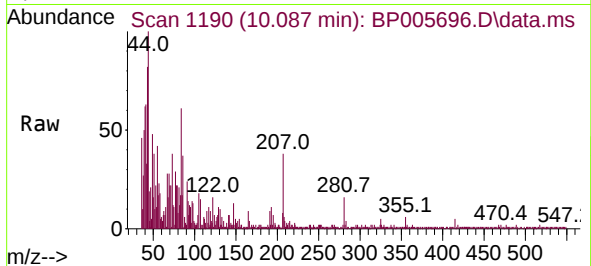




#32
Benzoic acid
Concen: 5.03 ng
RT: 10.087 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

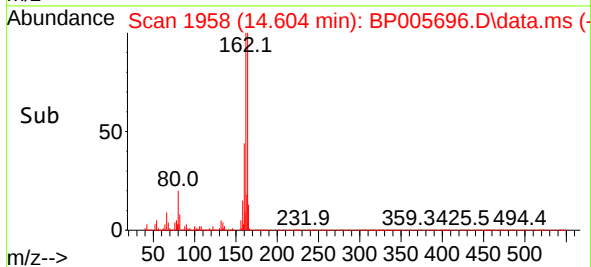
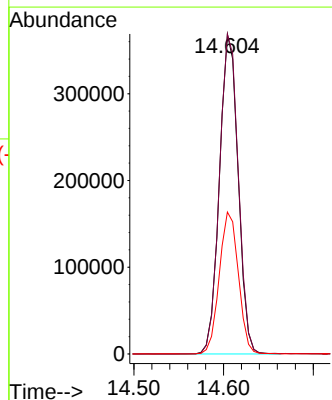
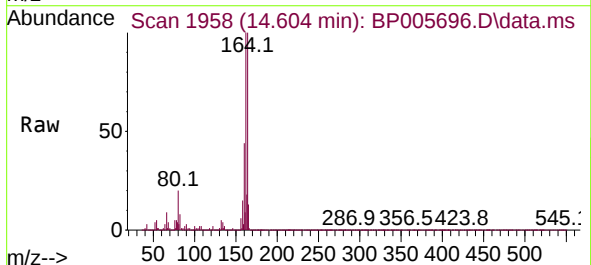
Instrument :
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ClientSampleId :
18-B2(2-4)

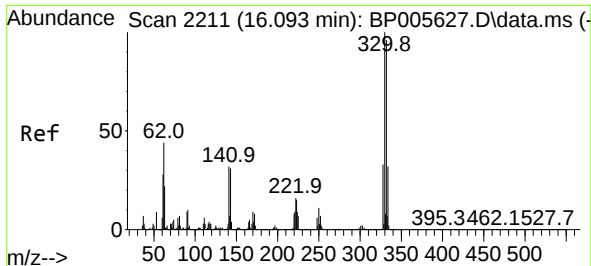
Tgt Ion:	122	Resp:	120
Ion	Ratio	Lower	Upper
122	100		
105	113.8	105.1	145.1
77	182.5	69.6	109.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:	164	Resp:	532244
Ion	Ratio	Lower	Upper
164	100		
162	100.1	73.5	110.3
160	44.4	40.6	61.0

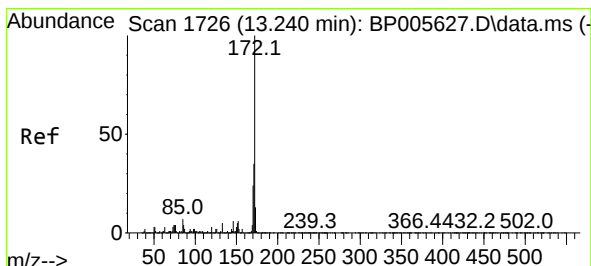
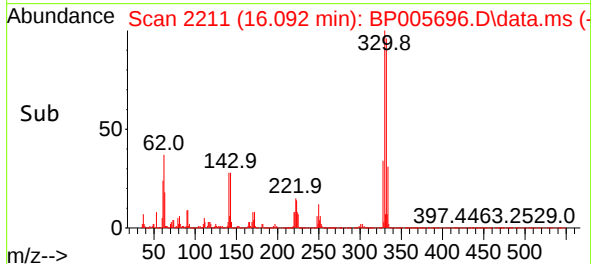
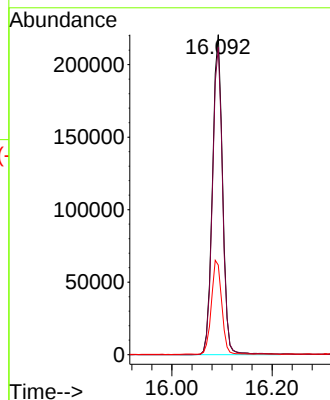
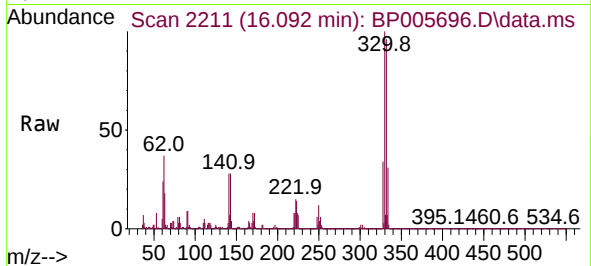




#42
2,4,6-Tribromophenol
Concen: 45.48 ng
RT: 16.092 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

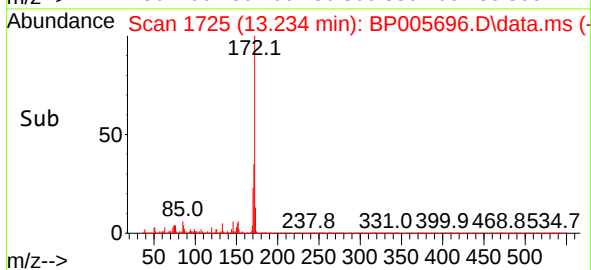
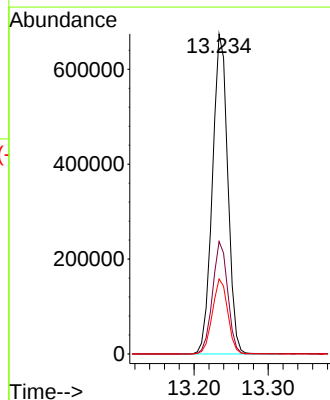
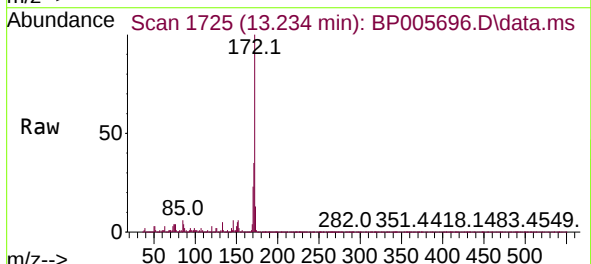
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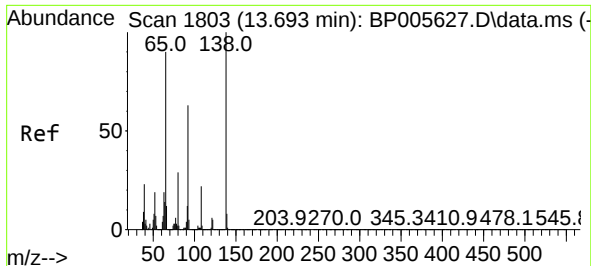
Tgt Ion:330 Resp: 310419
Ion Ratio Lower Upper
330 100
332 95.9 76.3 114.5
141 29.9 22.8 34.2



#45
2-Fluorobiphenyl
Concen: 24.13 ng
RT: 13.234 min Scan# 1725
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:172 Resp: 970334
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.5 19.6 29.4

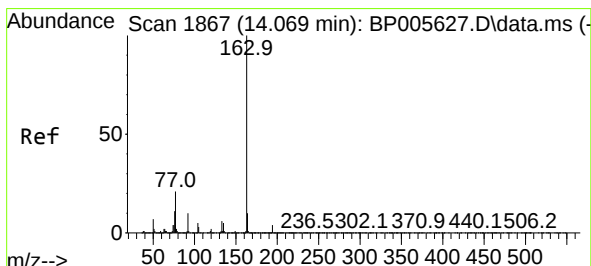
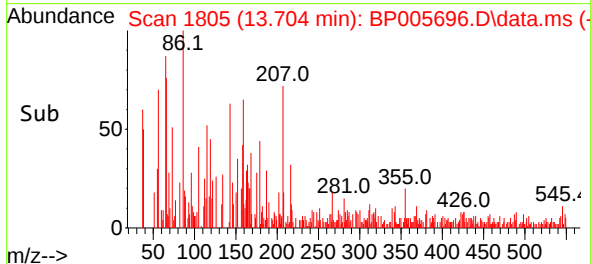
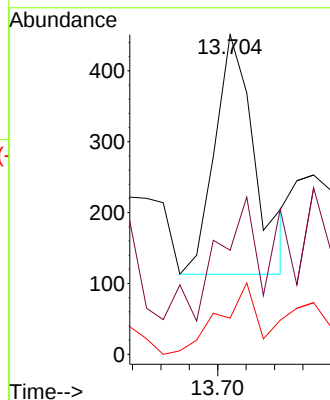
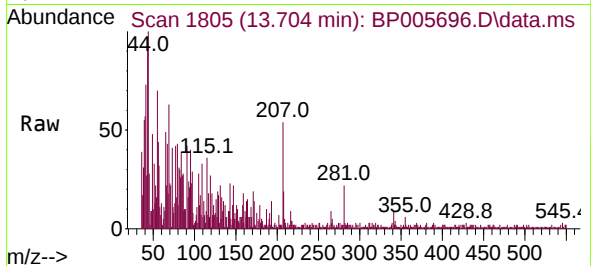




#48
2-Nitroaniline
Concen: 4.52 ng
RT: 13.704 min Scan# 1805
Delta R.T. 0.011 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

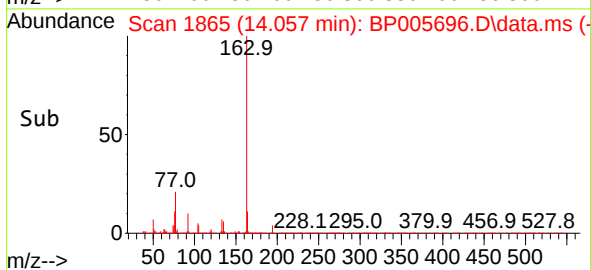
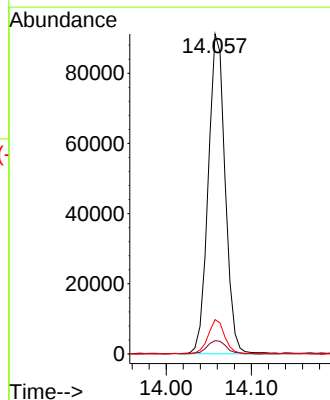
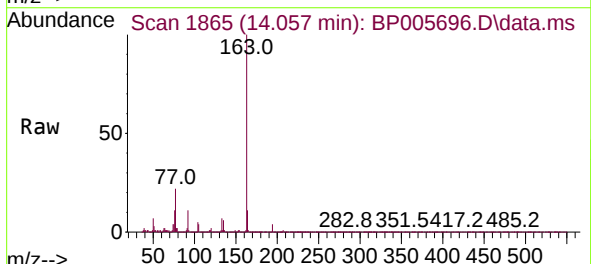
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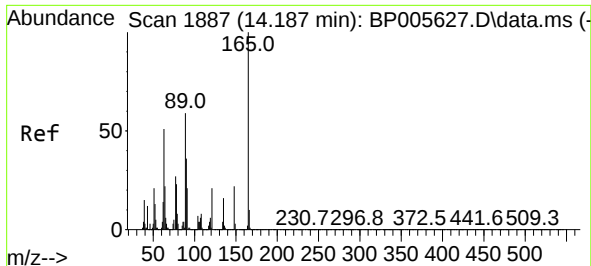
Tgt Ion: 65 Resp: 332
Ion Ratio Lower Upper
65 100
92 32.6 48.8 73.2#
138 11.3 69.5 104.3#



#50
Dimethylphthalate
Concen: 2.98 ng
RT: 14.057 min Scan# 1865
Delta R.T. -0.012 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion: 163 Resp: 126079
Ion Ratio Lower Upper
163 100
194 4.2 3.9 5.9
164 10.7 8.1 12.1

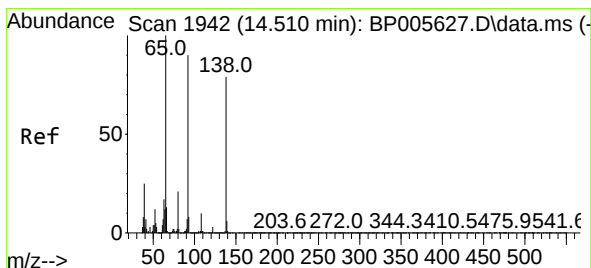
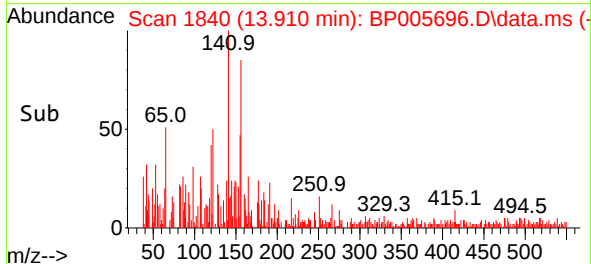
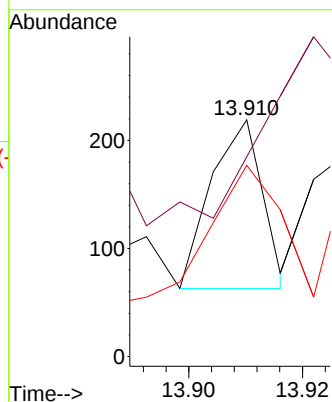
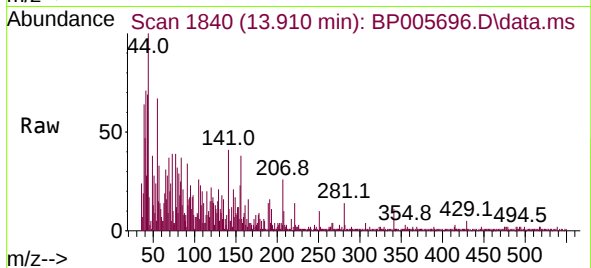




#51
2,6-Dinitrotoluene
Concen: 5.07 ng
RT: 13.910 min Scan# 1840
Delta R.T. -0.277 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

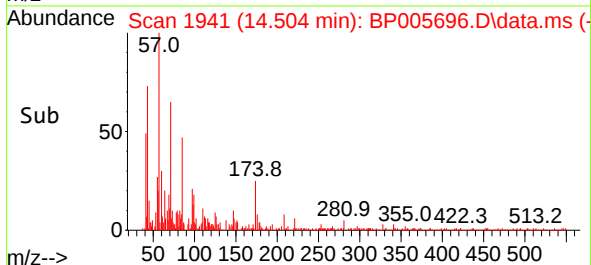
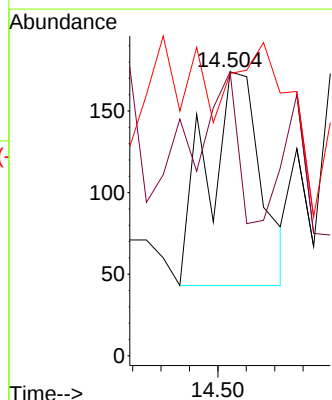
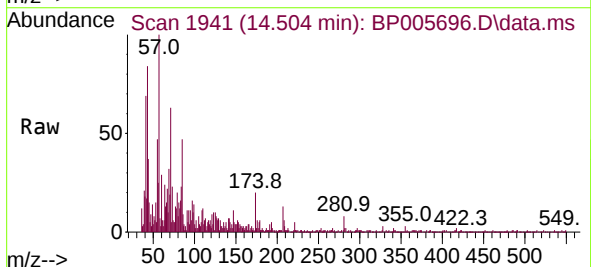
Instrument :
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ClientSampleId :
18-B2(2-4)

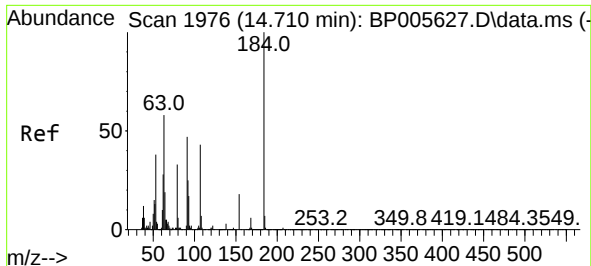
Tgt Ion:	165	Resp:	98
Ion Ratio	Lower	Upper	
165	100		
63	84.5	67.4	101.0
89	80.8	73.8	110.6



#53
3-Nitroaniline
Concen: 3.67 ng
RT: 14.504 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:	138	Resp:	172
Ion Ratio	Lower	Upper	
138	100		
108	100.0	10.2	15.4#
92	99.4	108.1	162.1#

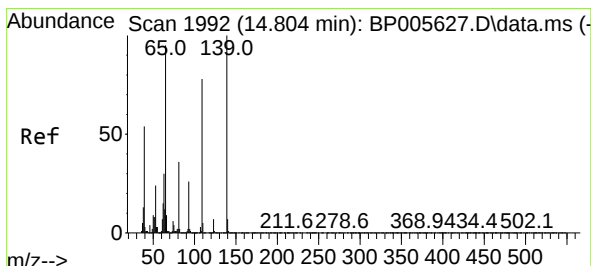
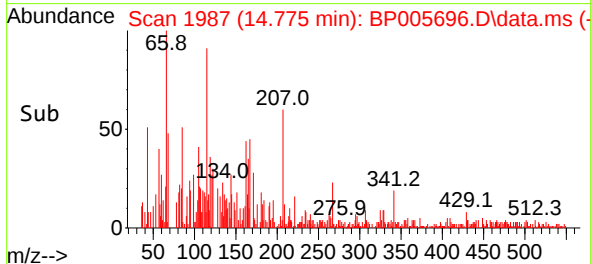
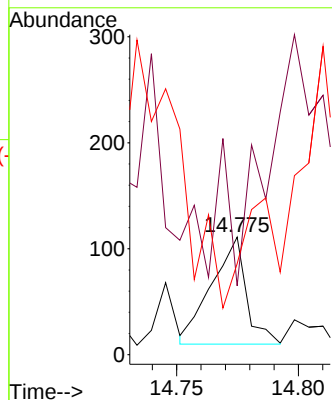
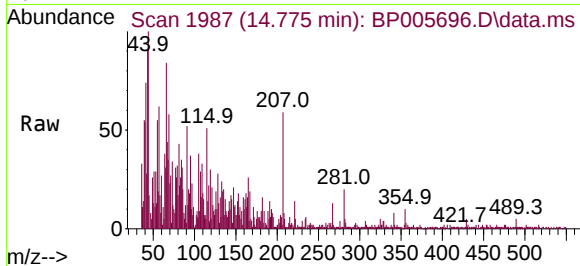




#54
2,4-Dinitrophenol
Concen: 6.55 ng
RT: 14.775 min Scan# 1987
Delta R.T. 0.065 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

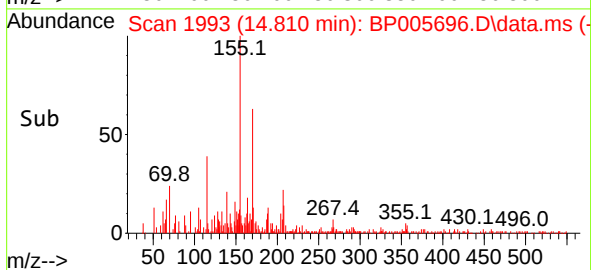
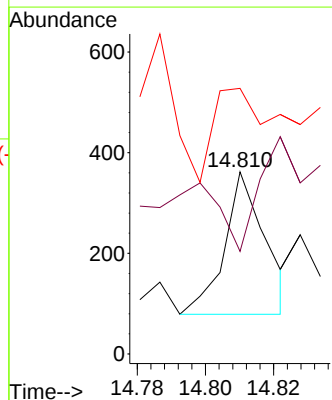
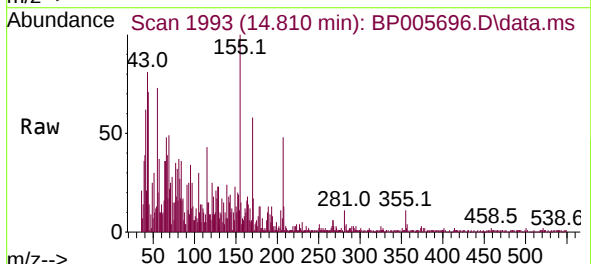
Instrument :
BNA_P
ClientSampled :
18-B2(2-4)

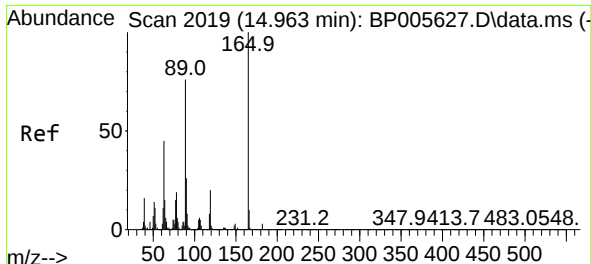
Tgt Ion:184 Resp: 101
Ion Ratio Lower Upper
184 100
63 58.6 51.2 76.8
154 77.5 55.8 83.8



#56
4-Nitrophenol
Concen: 3.77 ng
RT: 14.810 min Scan# 1993
Delta R.T. 0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:139 Resp: 234
Ion Ratio Lower Upper
139 100
109 56.4 122.8 162.8#
65 145.9 110.0 150.0

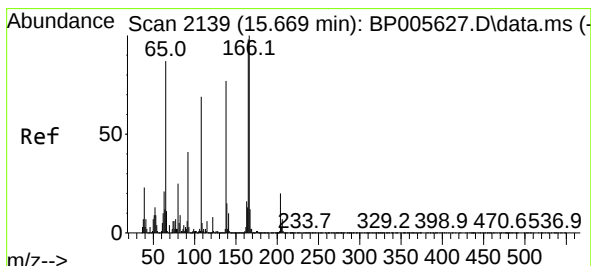
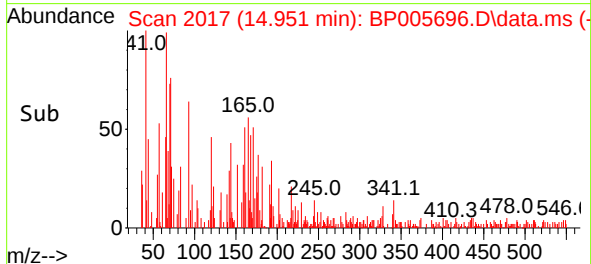
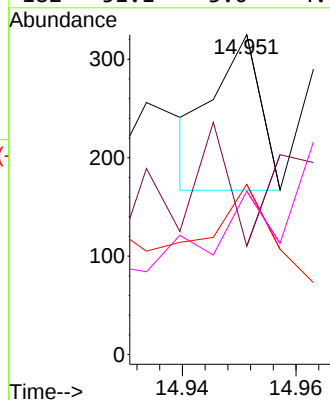
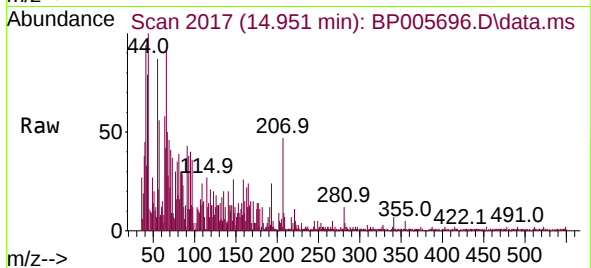




#57
2,4-Dinitrotoluene
Concen: 4.27 ng
RT: 14.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

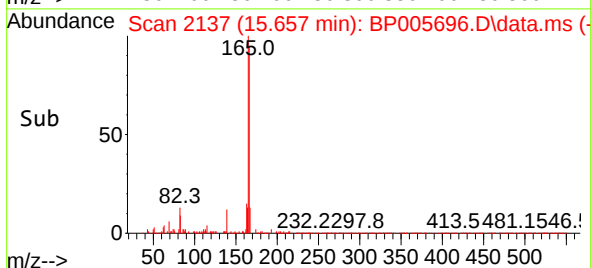
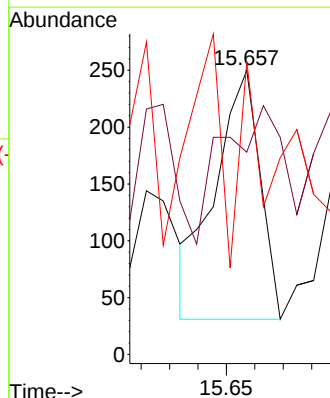
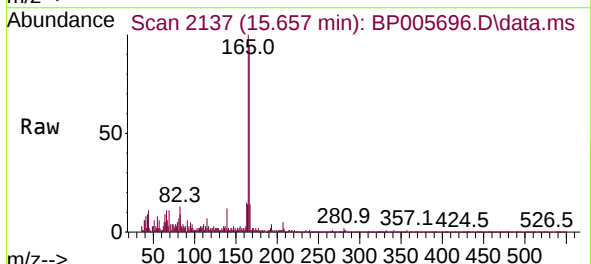
Instrument :
BNA_P
ClientSampled :
18-B2(2-4)

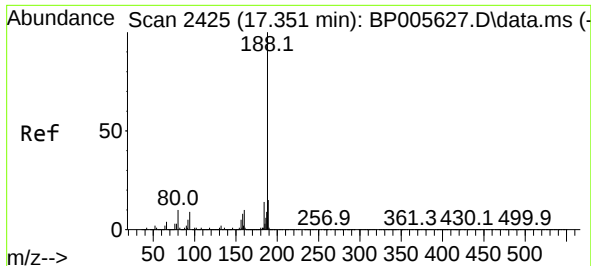
Tgt Ion:165 Resp: 88
Ion Ratio Lower Upper
165 100
63 33.8 56.7 85.1#
89 60.9 85.8 128.6#
182 51.1 3.0 4.6#



#62
4-Nitroaniline
Concen: 3.65 ng
RT: 15.657 min Scan# 2137
Delta R.T. -0.012 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:138 Resp: 241
Ion Ratio Lower Upper
138 100
92 71.2 50.9 90.9
108 103.2 154.7 194.7#

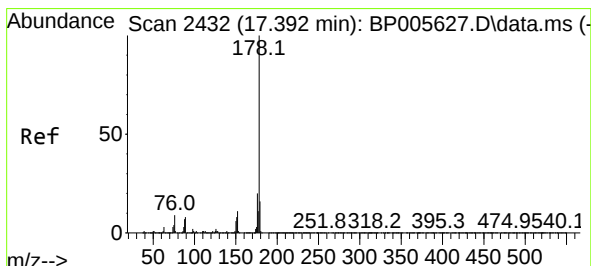
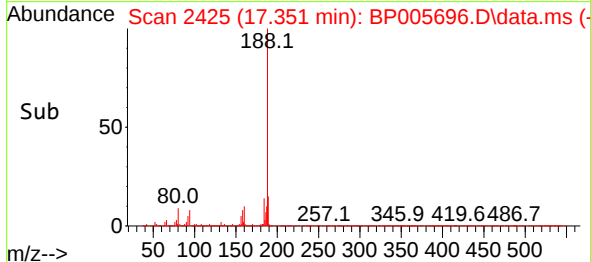
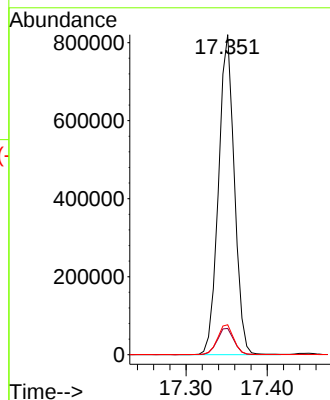
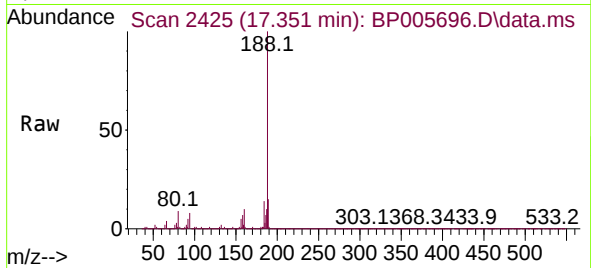




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

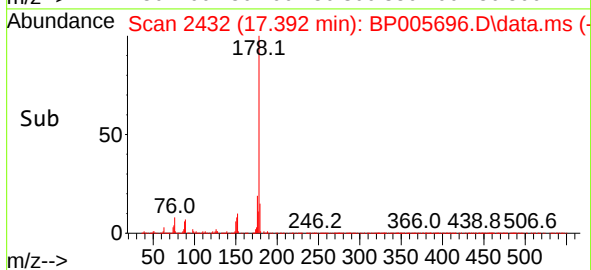
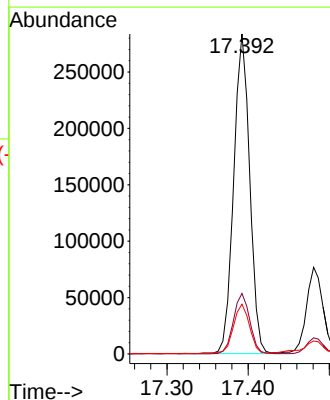
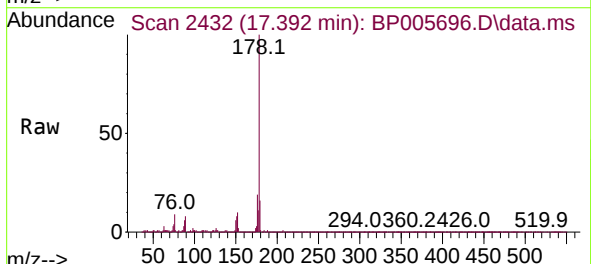
Instrument :
BNA_P
ClientSampleId :
18-B2(2-4)

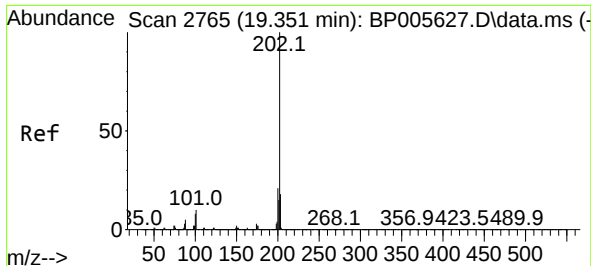
Tgt Ion:188 Resp: 1115372
Ion Ratio Lower Upper
188 100
94 8.2 5.0 7.6#
80 9.4 5.9 8.9#



#71
Phenanthrene
Concen: 5.58 ng
RT: 17.392 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:178 Resp: 387494
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.6 12.3 18.5

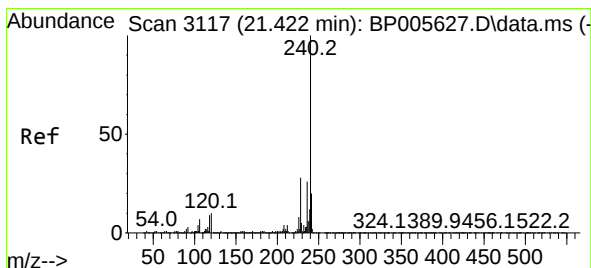
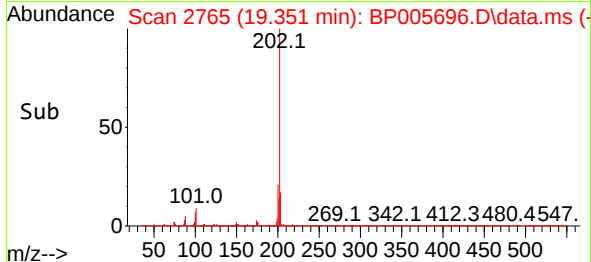
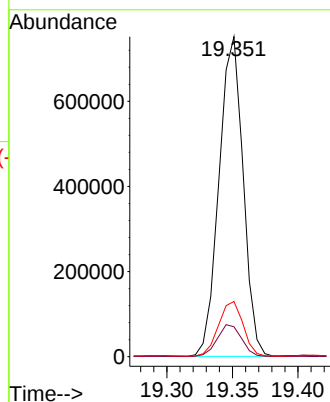
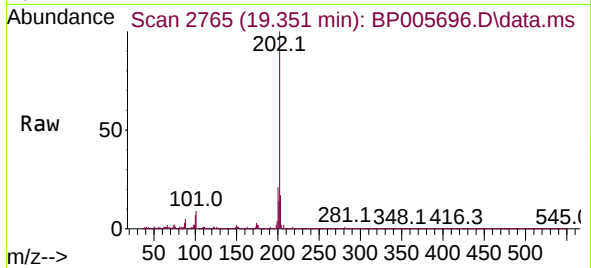




#75
Fluoranthene
Concen: 11.49 ng
RT: 19.351 min Scan# 2765
Delta R.T. -0.000 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

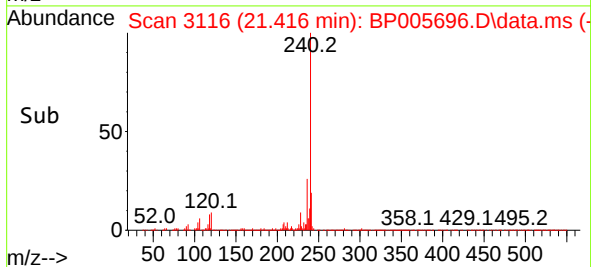
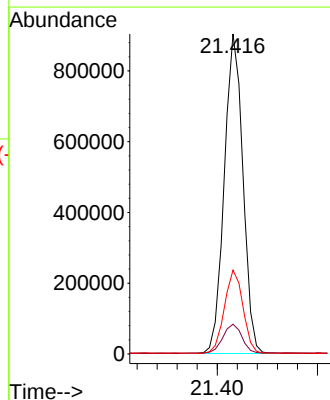
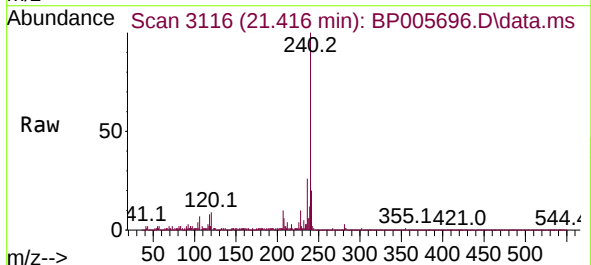
Instrument :
BNA_P
ClientSampleId :
18-B2(2-4)

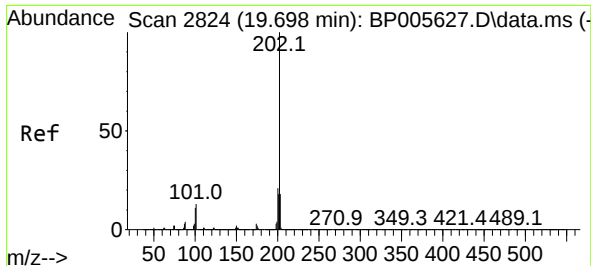
Tgt Ion:	202	Resp:	958588
Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	26.1
203	17.2	0.0	37.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.416 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:	240	Resp:	1163810
Ion	Ratio	Lower	Upper
240	100		
120	9.3	4.2	6.2#
236	26.2	20.2	30.2

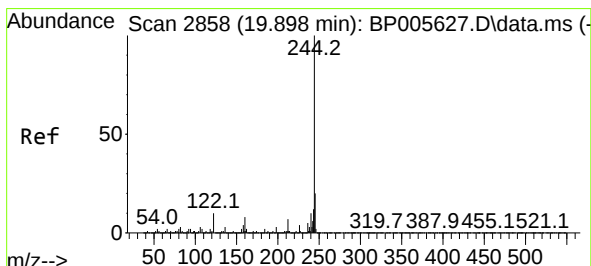
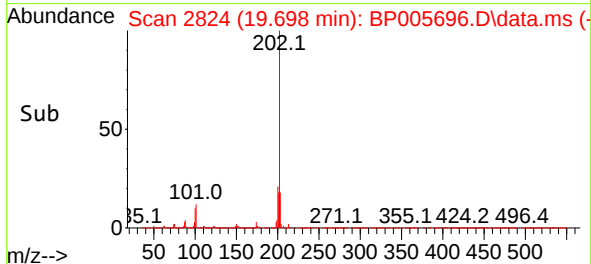
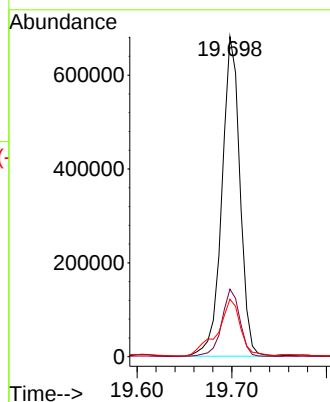
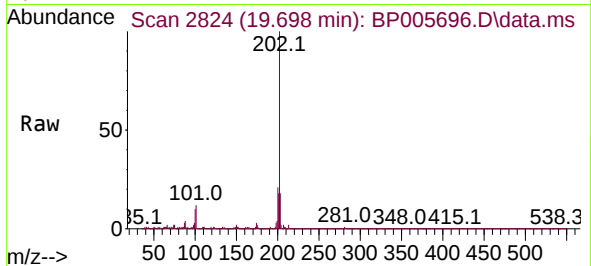




#78
Pyrene
Concen: 10.99 ng
RT: 19.698 min Scan# 2824
Delta R.T. -0.000 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

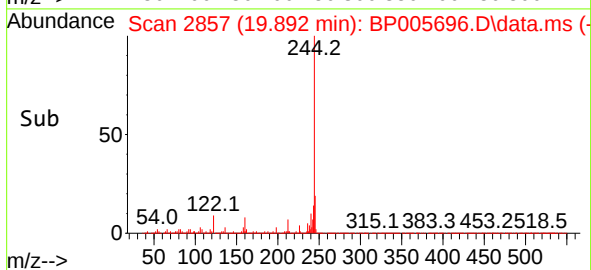
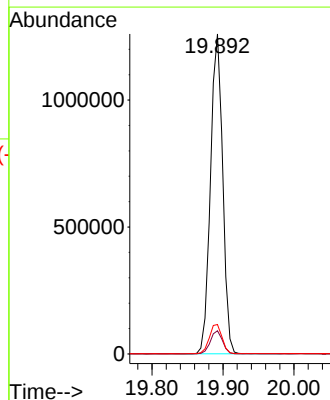
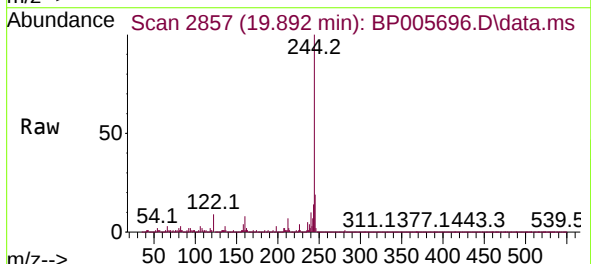
Instrument :
BNA_P
ClientSampleId :
18-B2(2-4)

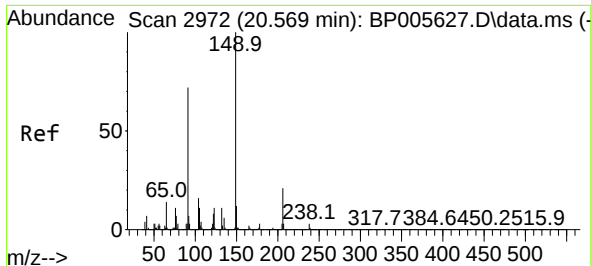
Tgt Ion:202	Resp: 902360
Ion Ratio	Lower Upper
202 100	
200 21.1	16.9 25.3
203 17.9	13.8 20.6



#79
Terphenyl-d14
Concen: 24.28 ng
RT: 19.892 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:244	Resp: 1506158
Ion Ratio	Lower Upper
244 100	
212 7.2	5.8 8.6
122 9.2	5.2 7.8#

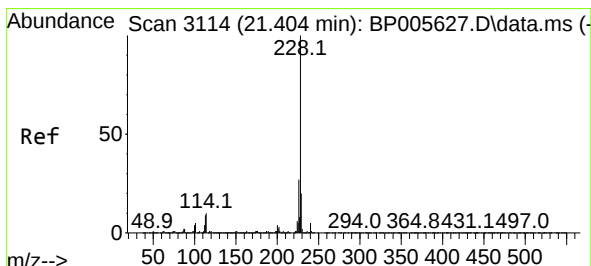
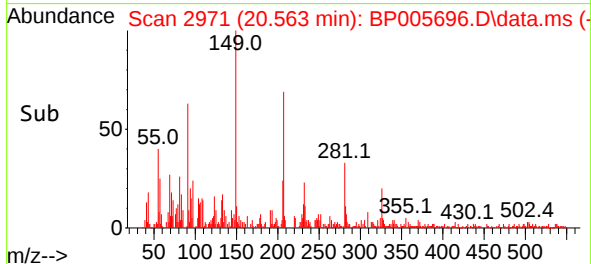
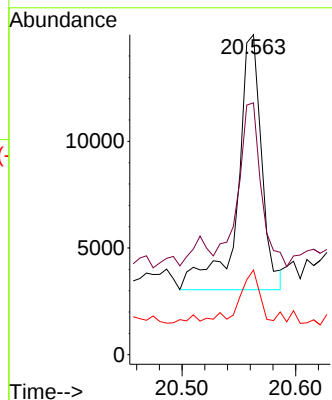
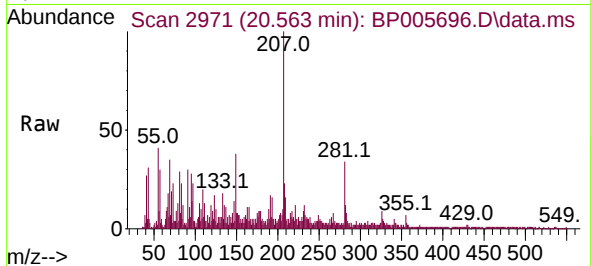




#80
Butylbenzylphthalate
Concen: 4.62 ng
RT: 20.563 min Scan# 2971
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

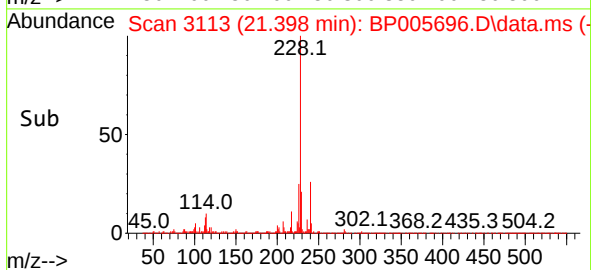
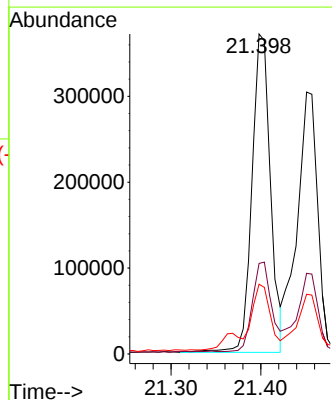
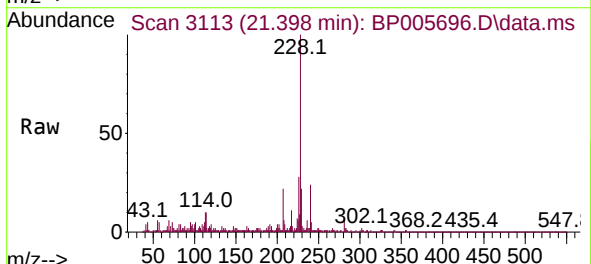
Instrument :
BNA_P
ClientSampleId :
18-B2(2-4)

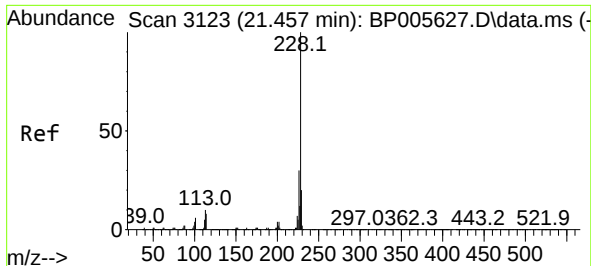
Tgt Ion:	149	Resp:	17735
Ion Ratio	Lower	Upper	
149	100		
91	78.7	60.2	90.4
206	26.4	23.9	35.9



#81
Benzo(a)anthracene
Concen: 6.21 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:	228	Resp:	530786
Ion Ratio	Lower	Upper	
228	100		
226	28.3	21.2	31.8
229	21.8	15.6	23.4

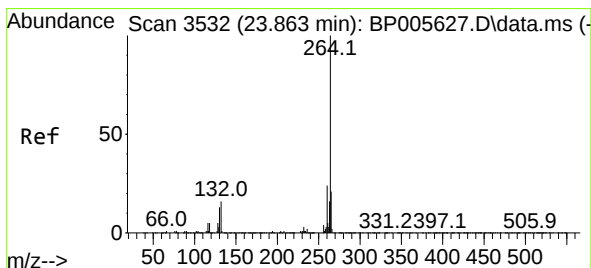
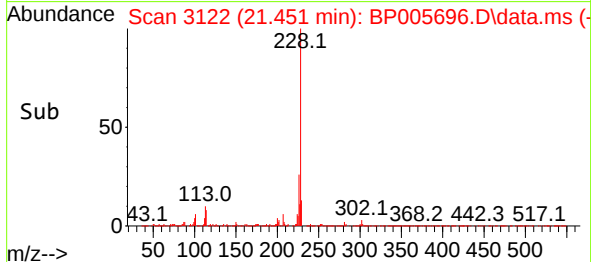
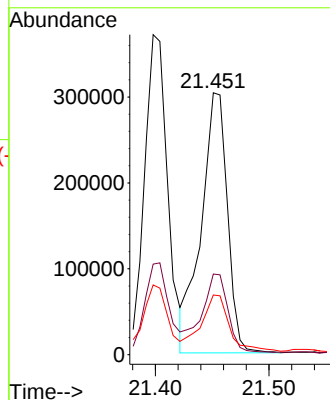
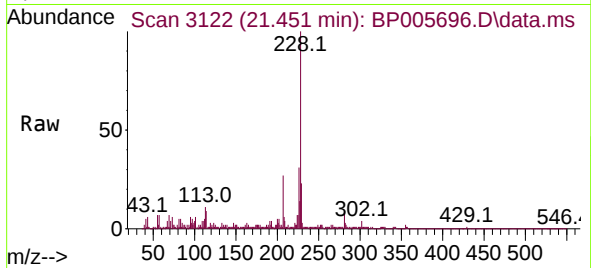




#83
Chrysene
Concen: 5.88 ng
RT: 21.451 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

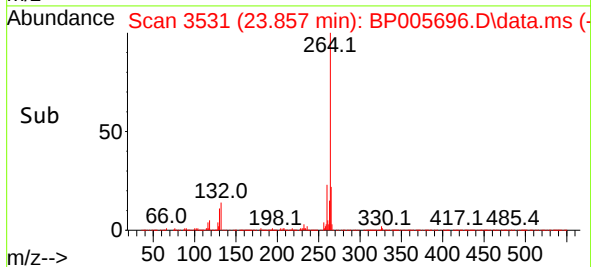
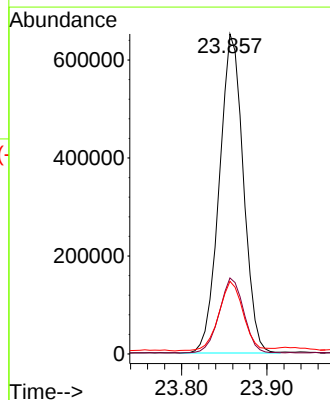
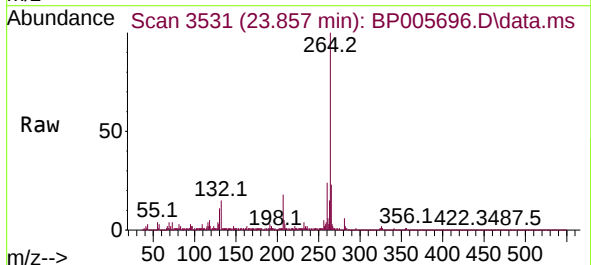
Instrument :
BNA_P
ClientSampleId :
18-B2(2-4)

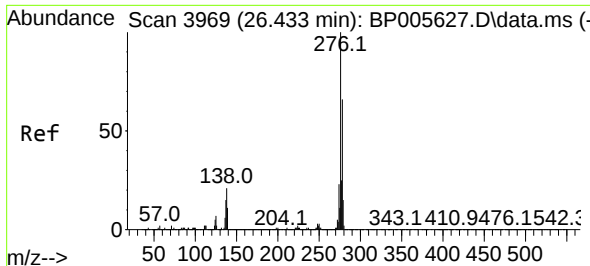
Tgt Ion:228 Resp: 486425
Ion Ratio Lower Upper
228 100
226 30.8 24.8 37.2
229 22.8 15.4 23.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.857 min Scan# 3531
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:264 Resp: 1277253
Ion Ratio Lower Upper
264 100
260 23.7 20.6 30.8
265 22.7 19.0 28.6

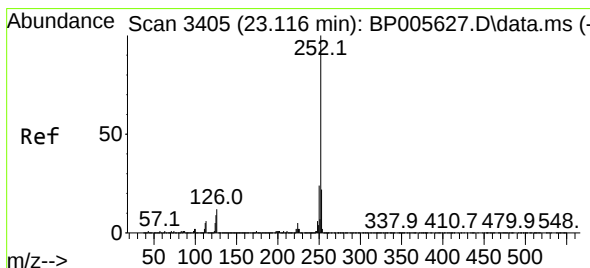
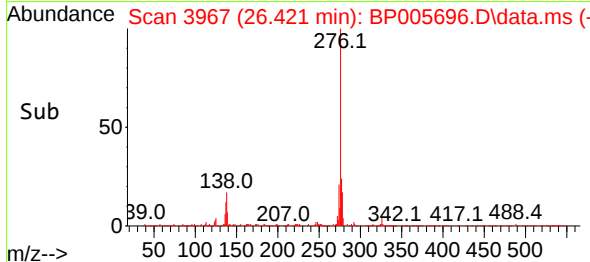
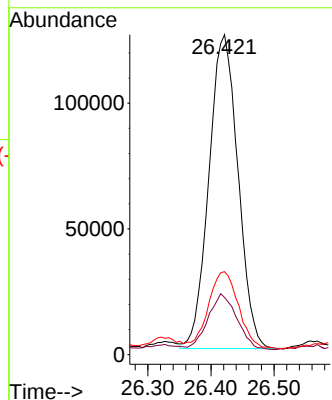
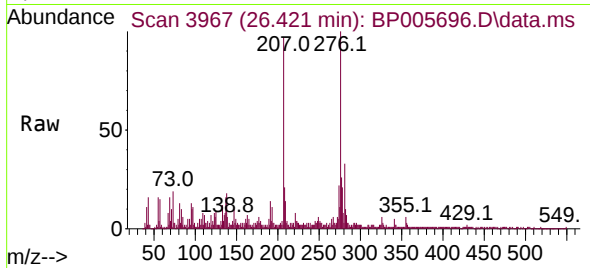




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.68 ng
RT: 26.421 min Scan# 3967
Delta R.T. -0.012 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

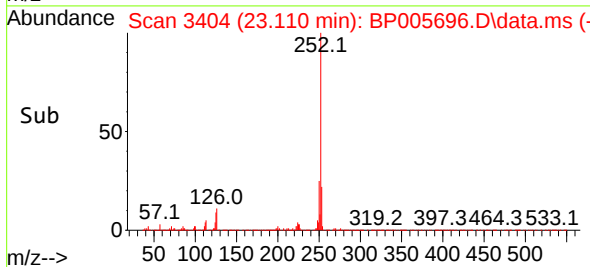
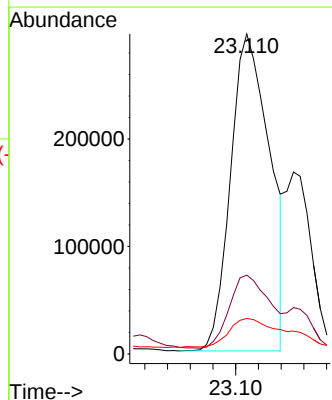
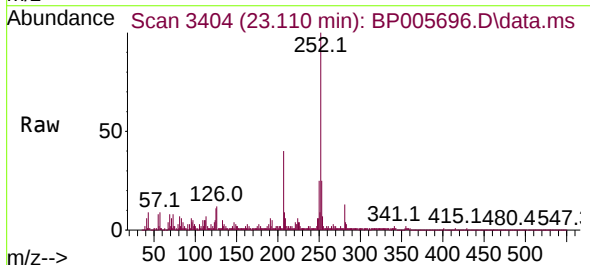
Instrument :
BNA_P
ClientSampled :
18-B2(2-4)

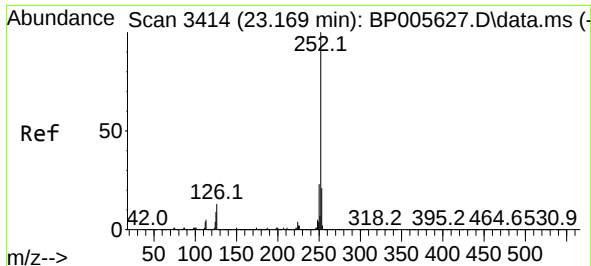
Tgt Ion:276 Resp: 399866
Ion Ratio Lower Upper
276 100
138 17.8 8.4 12.6#
277 25.2 20.6 31.0



#88
Benzo(b)fluoranthene
Concen: 7.61 ng
RT: 23.110 min Scan# 3404
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

Tgt Ion:252 Resp: 704996
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 11.1 3.4 5.0#

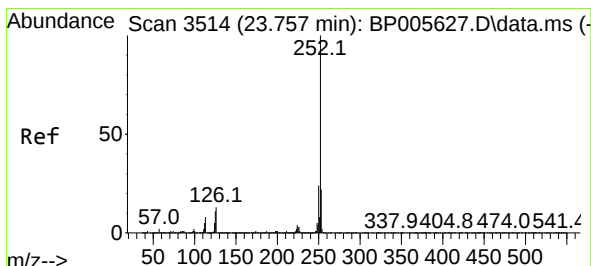
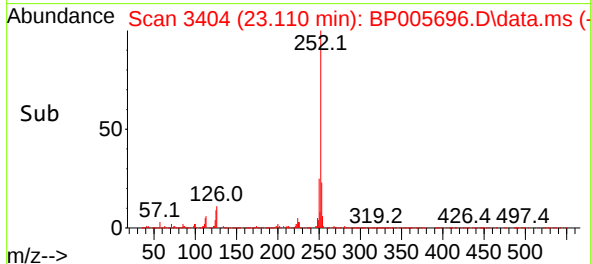
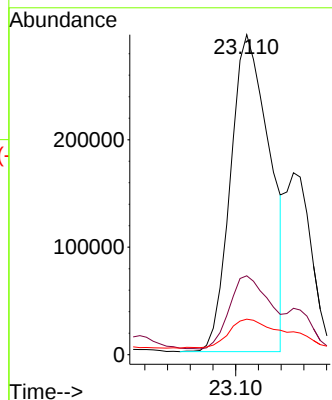
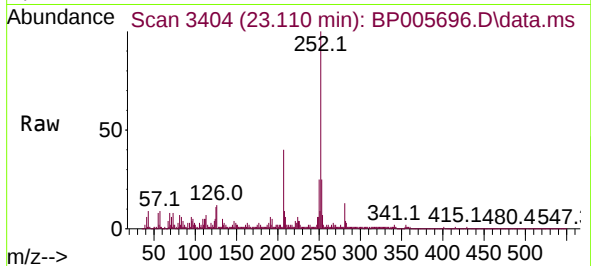




#89
Benzo(k)fluoranthene
Concen: 8.03 ng
RT: 23.110 min Scan# 3404
Delta R.T. -0.059 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

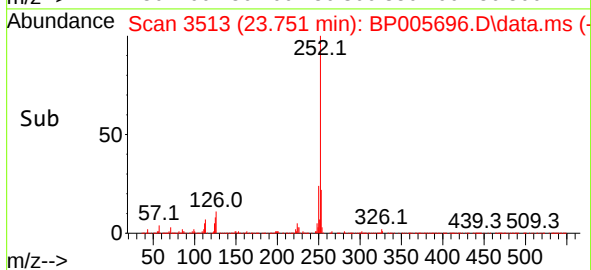
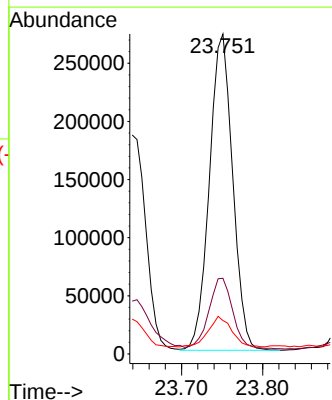
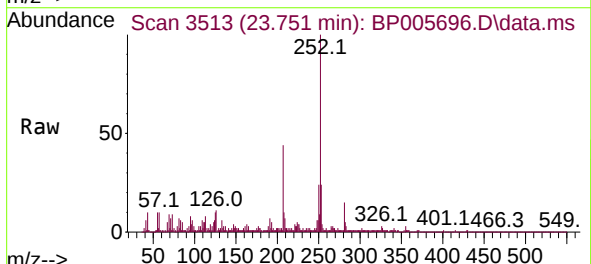
Instrument :
BNA_P
ClientSampleId :
18-B2(2-4)

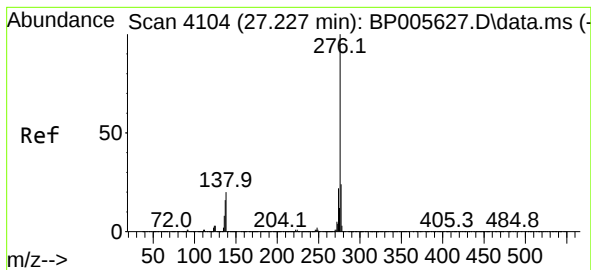
Tgt Ion:252 Resp: 704996
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 11.1 3.8 5.6#



#90
Benzo(a)pyrene
Concen: 6.42 ng
RT: 23.751 min Scan# 3513
Delta R.T. -0.006 min
Lab File: BP005696.D
Acq: 03 Jun 2021 20:22

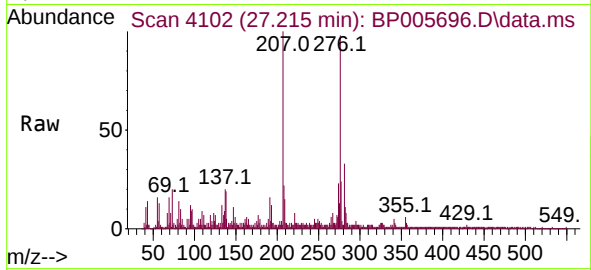
Tgt Ion:252 Resp: 541596
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 10.5 3.8 5.6#





#92
 Benzo(g,h,i)perylene
 Concen: 4.39 ng
 RT: 27.215 min Scan# 4102
 Delta R.T. -0.012 min
 Lab File: BP005696.D
 Acq: 03 Jun 2021 20:22

Instrument :
 BNA_P
 ClientSampleId :
 18-B2(2-4)



Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.8	29.8
138	23.9	7.7	11.5

