

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060321\
 Data File : BP005693.D
 Acq On : 03 Jun 2021 18:40
 Operator : CG/JU
 Sample : M2580-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 18-B2(4-6)

Quant Time: Jun 04 01:03:55 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)

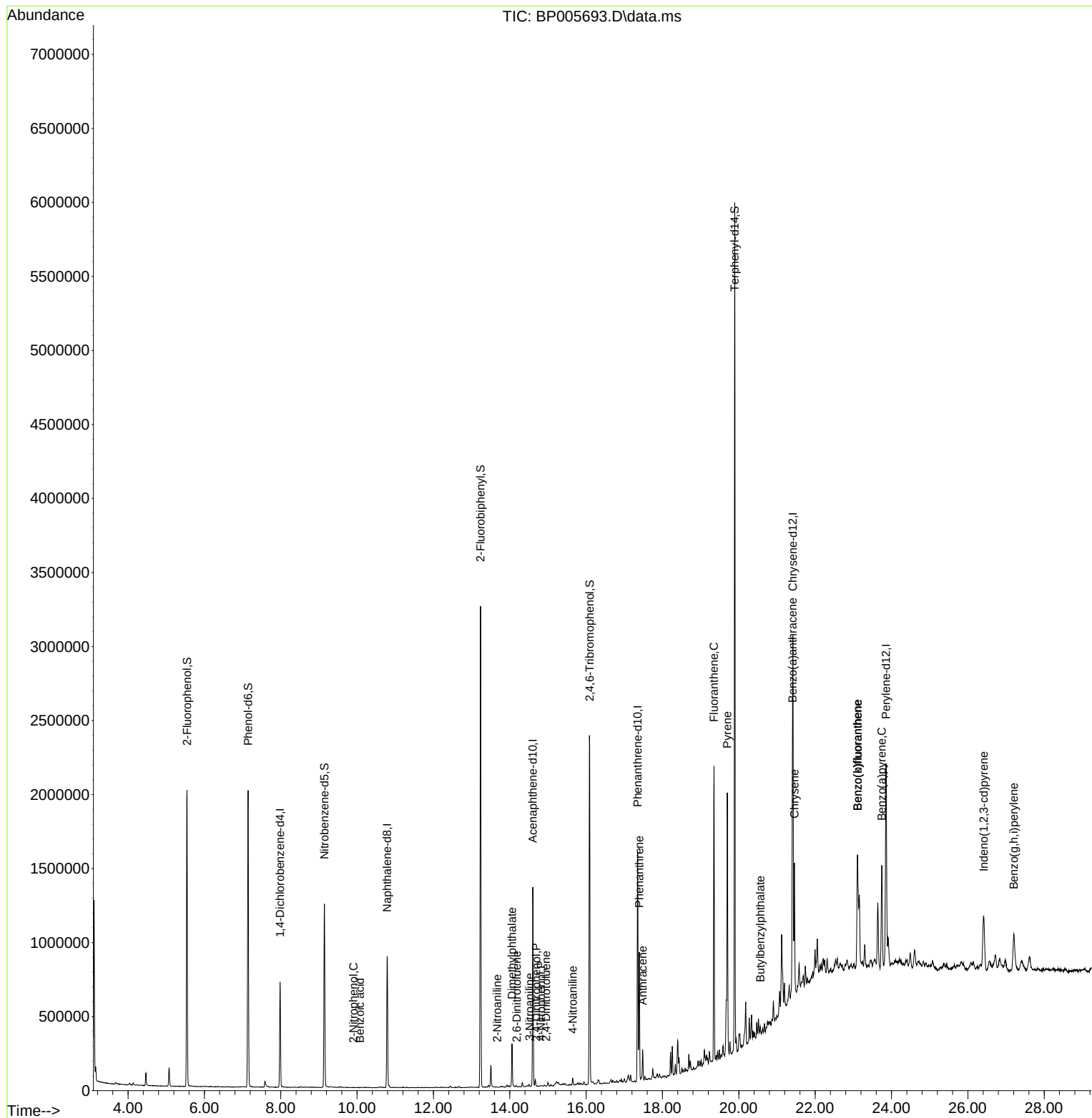
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.981	152	190329	20.00	ng	-0.01
21) Naphthalene-d8	10.787	136	730941	20.00	ng	#-0.01
39) Acenaphthene-d10	14.604	164	445678	20.00	ng	0.00
64) Phenanthrene-d10	17.351	188	909405	20.00	ng	# 0.00
76) Chrysene-d12	21.416	240	976232	20.00	ng	# 0.00
86) Perylene-d12	23.857	264	1078799	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	871282	71.17	ng	0.00
7) Phenol-d6	7.146	99	1124175	67.36	ng	0.00
23) Nitrobenzene-d5	9.146	82	717855	54.62	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	473009	82.77	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	1613691	47.92	ng	0.00
79) Terphenyl-d14	19.892	244	2475627	47.58	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.904	139	72	4.17	ng	# 1
32) Benzoic acid	10.075	122	184	5.04	ng	94
48) 2-Nitroaniline	13.669	65	243	4.52	ng	# 34
50) Dimethylphthalate	14.057	163	186887	5.27	ng	99
51) 2,6-Dinitrotoluene	14.181	165	84	5.07	ng	# 85
53) 3-Nitroaniline	14.516	138	51	3.66	ng	# 53
54) 2,4-Dinitrophenol	14.698	184	10	6.53	ng	# 1
56) 4-Nitrophenol	14.816	139	355	3.80	ng	# 16
57) 2,4-Dinitrotoluene	14.951	165	173	4.28	ng	# 57
62) 4-Nitroaniline	15.651	138	397	3.68	ng	# 13
71) Phenanthrene	17.392	178	511995	9.04	ng	99
72) Anthracene	17.481	178	119714	2.14	ng	98
75) Fluoranthene	19.351	202	1117878	16.44	ng	96
78) Pyrene	19.698	202	1035830	15.04	ng	99
80) Butylbenzylphthalate	20.563	149	13605	4.58	ng	# 95
81) Benzo(a)anthracene	21.404	228	573747	8.01	ng	97
83) Chrysene	21.457	228	493178	7.11	ng	97
87) Indeno(1,2,3-cd)pyrene	26.415	276	355856	3.88	ng	# 93
88) Benzo(b)fluoranthene	23.110	252	723391	9.24	ng	# 97
89) Benzo(k)fluoranthene	23.110	252	723391	9.75	ng	# 95
90) Benzo(a)pyrene	23.745	252	523858	7.36	ng	# 94
92) Benzo(g,h,i)perylene	27.204	276	338648	4.41	ng	# 92

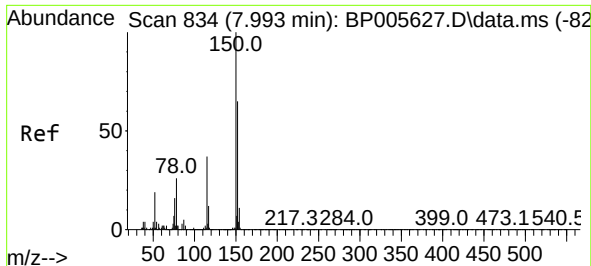
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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18-B2(4-6)

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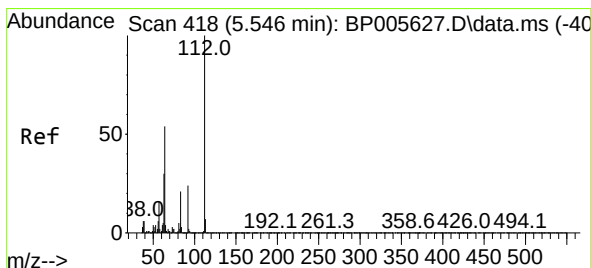
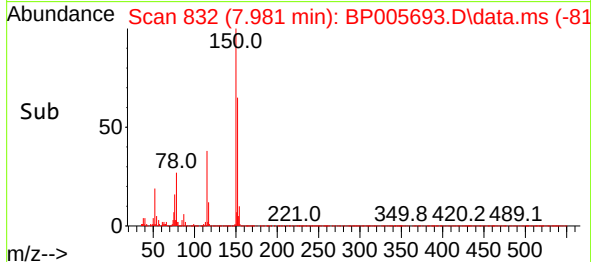
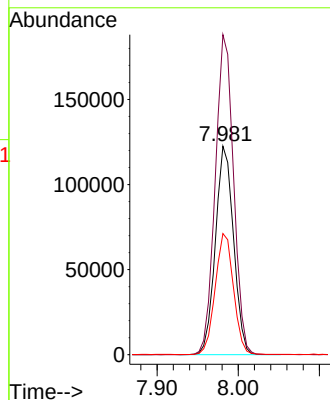
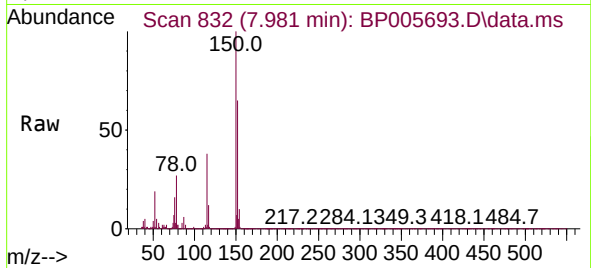




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.981 min Scan# 832
Delta R.T. -0.012 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

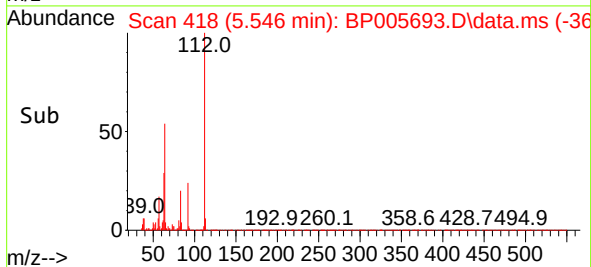
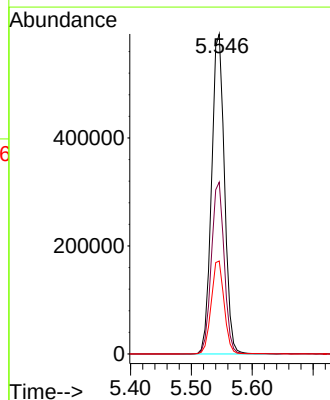
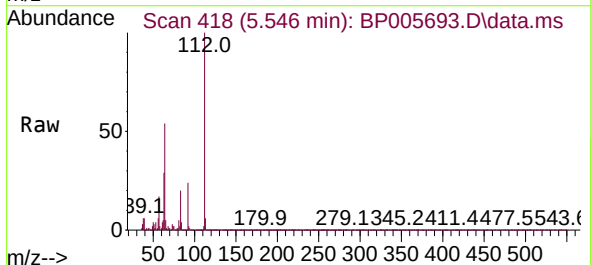
Instrument :
BNA_P
ClientSampleId :
18-B2(4-6)

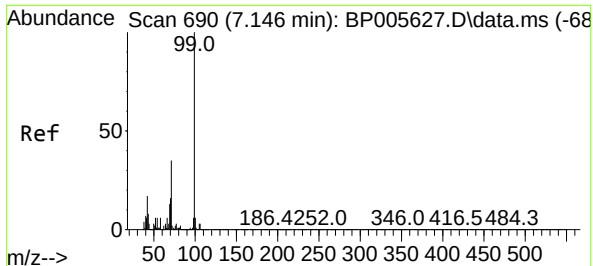
Tgt Ion:152 Resp: 190329
Ion Ratio Lower Upper
152 100
150 153.5 119.8 179.8
115 58.1 49.0 73.4



#5
2-Fluorophenol
Concen: 71.17 ng
RT: 5.546 min Scan# 418
Delta R.T. -0.000 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:112 Resp: 871282
Ion Ratio Lower Upper
112 100
64 53.7 33.6 50.4#
63 29.1 18.6 27.8#



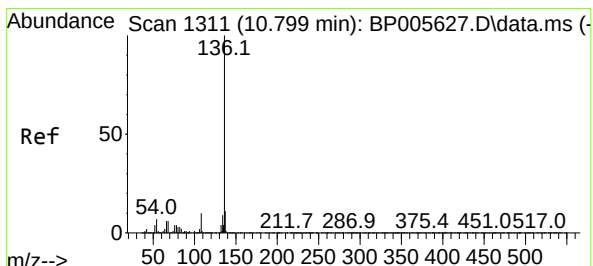
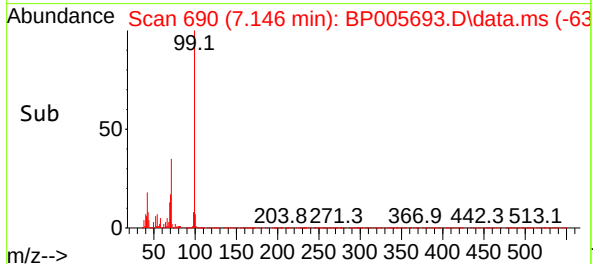
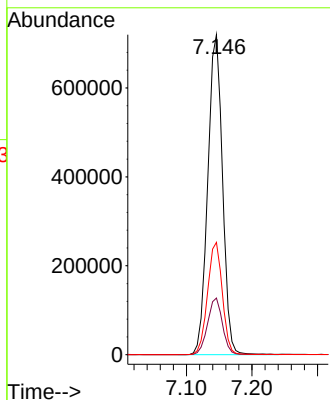
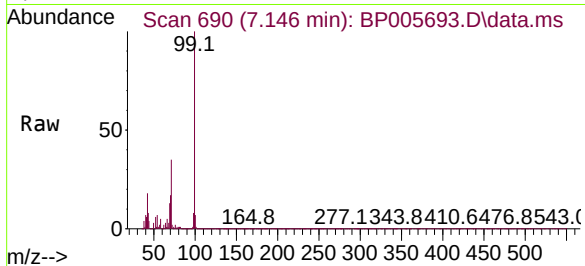


#7
Phenol-d6
Concen: 67.36 ng
RT: 7.146 min Scan# 690
Delta R.T. -0.000 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Instrument :
BNA_P
ClientSampleId :
18-B2(4-6)

Tgt Ion: 99 Resp: 1124175

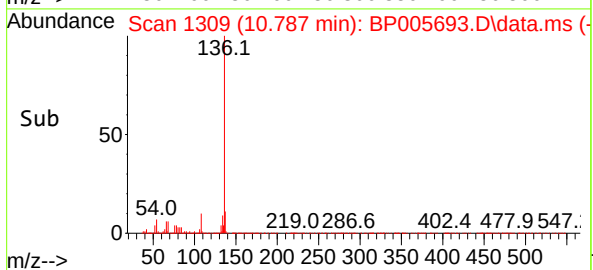
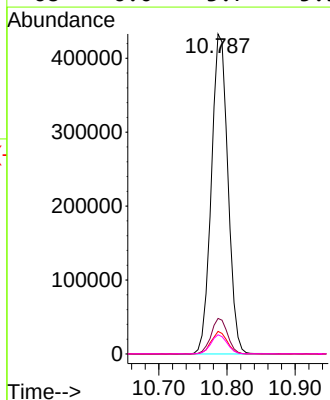
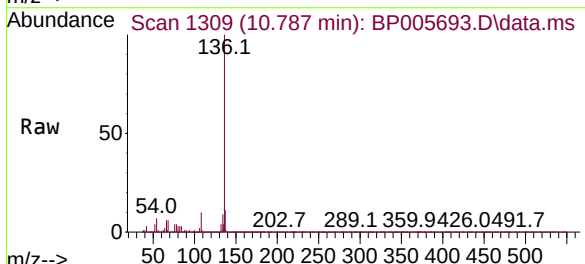
Ion	Ratio	Lower	Upper
99	100		
42	17.7	12.9	19.3
71	35.1	26.7	40.1

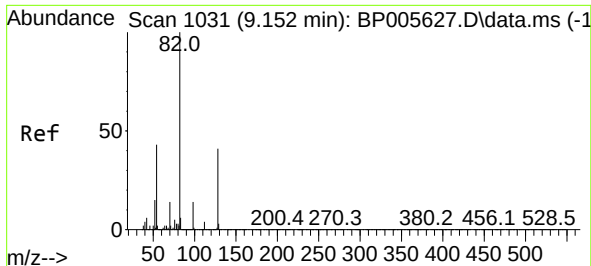


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.787 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion: 136 Resp: 730941

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.0	5.0	7.4
68	6.0	3.7	5.5

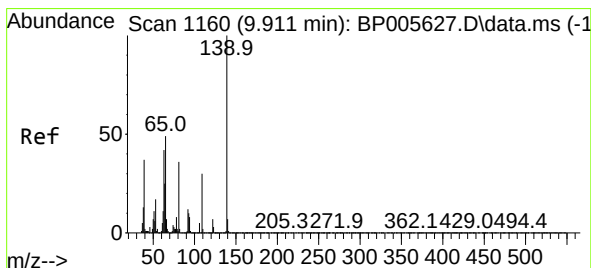
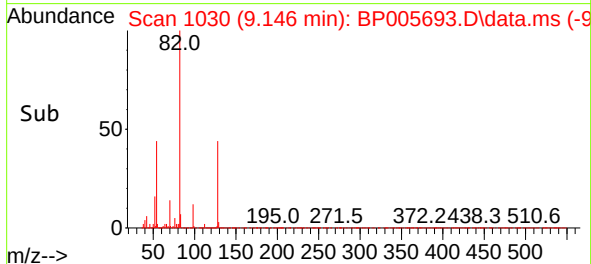
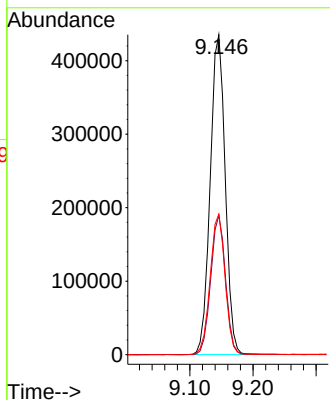
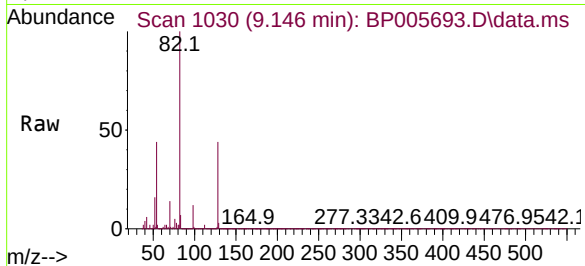




#23
Nitrobenzene-d5
Concen: 54.62 ng
RT: 9.146 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

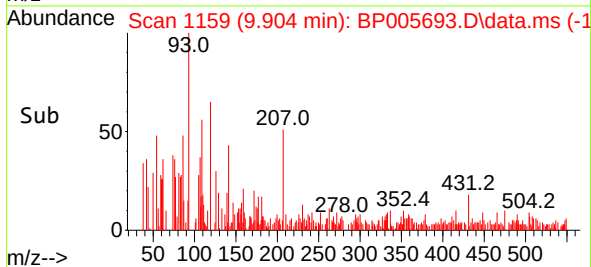
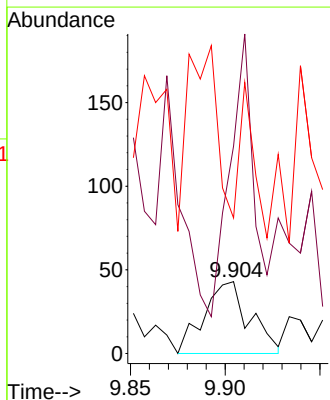
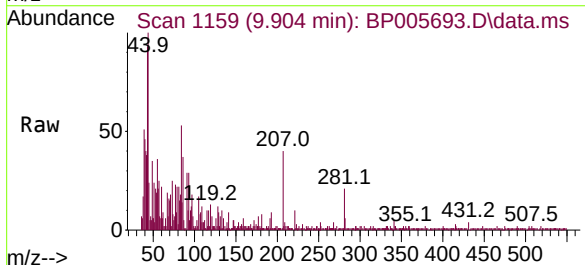
Instrument :
BNA_P
ClientSampleId :
18-B2(4-6)

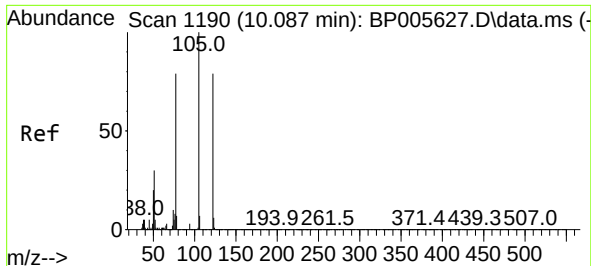
Tgt Ion: 82 Resp: 717855
Ion Ratio Lower Upper
82 100
128 43.6 30.5 45.7
54 43.9 33.9 50.9



#26
2-Nitrophenol
Concen: 4.17 ng
RT: 9.904 min Scan# 1159
Delta R.T. -0.007 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:139 Resp: 72
Ion Ratio Lower Upper
139 100
109 288.4 40.7 61.1#
65 188.4 47.8 71.6#

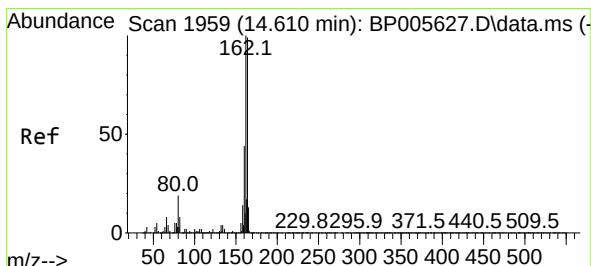
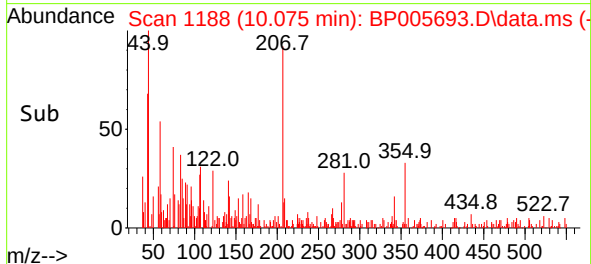
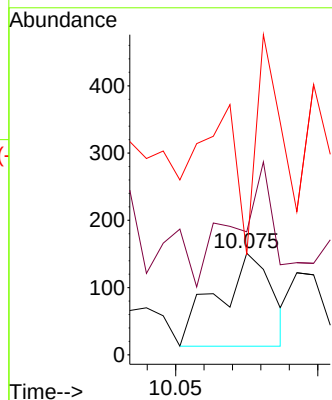
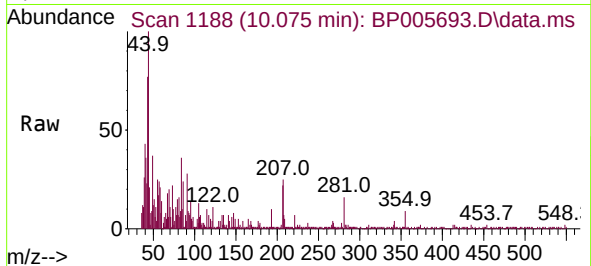




#32
Benzoic acid
Concen: 5.04 ng
RT: 10.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

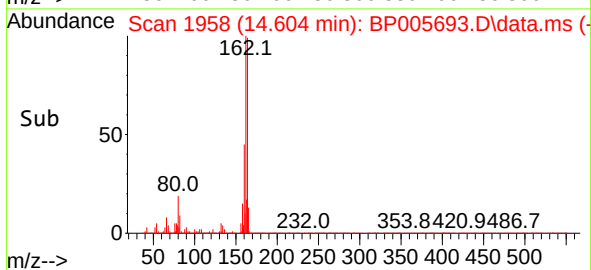
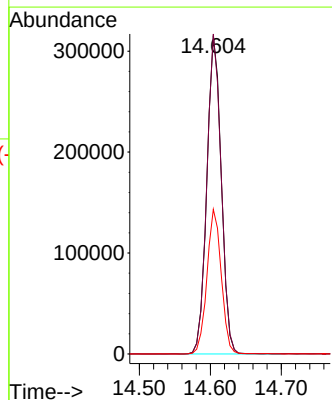
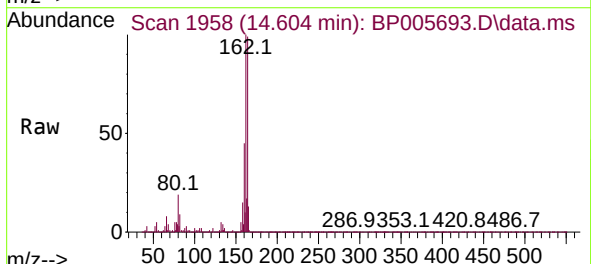
Instrument :
BNA_P
ClientSampleId :
18-B2(4-6)

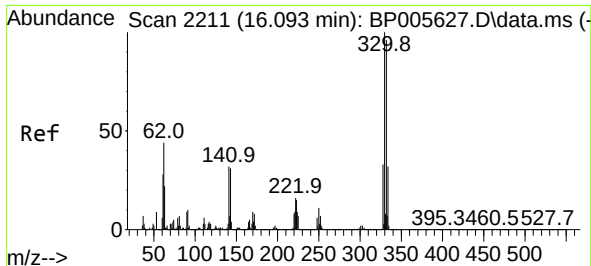
Tgt Ion:	122	Resp:	184
Ion	Ratio	Lower	Upper
122	100		
105	121.2	105.1	145.1
77	98.7	69.6	109.6



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:	164	Resp:	445678
Ion	Ratio	Lower	Upper
164	100		
162	100.5	73.5	110.3
160	45.4	40.6	61.0

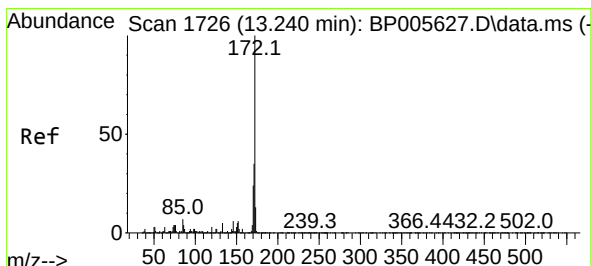
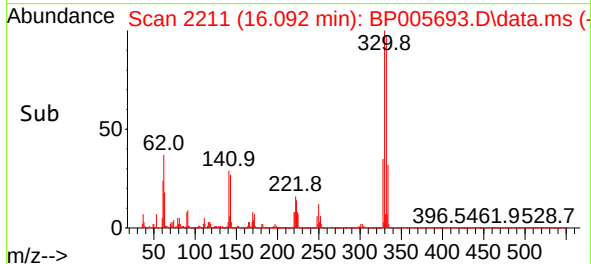
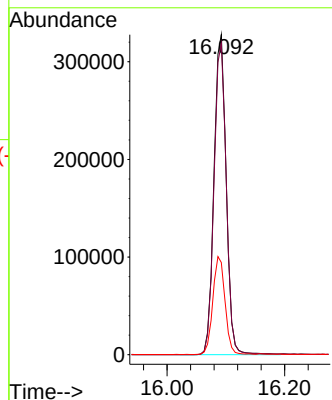
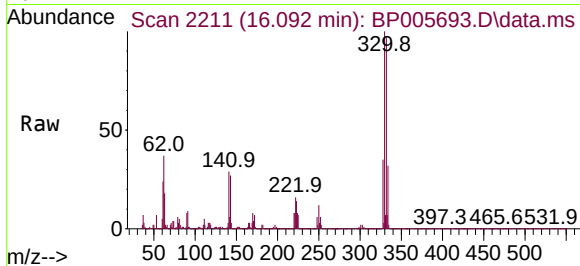




#42
2,4,6-Tribromophenol
Concen: 82.77 ng
RT: 16.092 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

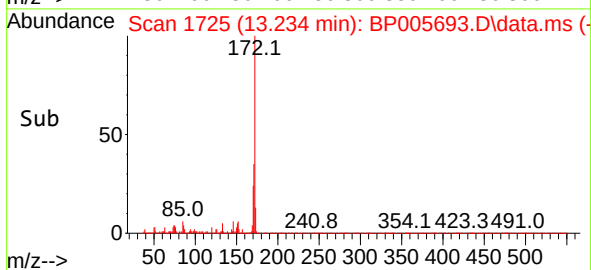
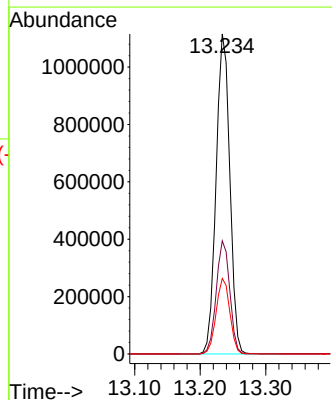
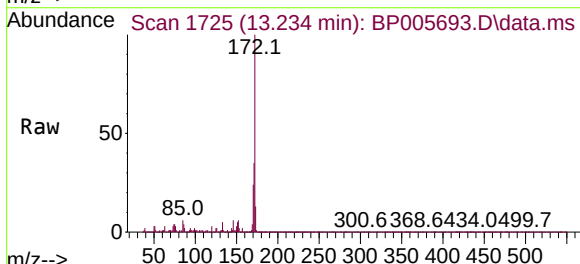
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18-B2(4-6)

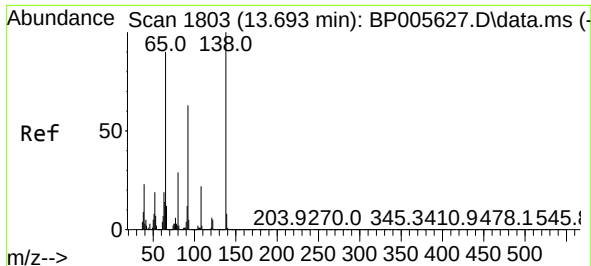
Tgt Ion:330 Resp: 473009
Ion Ratio Lower Upper
330 100
332 98.0 76.3 114.5
141 30.7 22.8 34.2



#45
2-Fluorobiphenyl
Concen: 47.92 ng
RT: 13.234 min Scan# 1725
Delta R.T. -0.006 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:172 Resp: 1613691
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.6 19.6 29.4

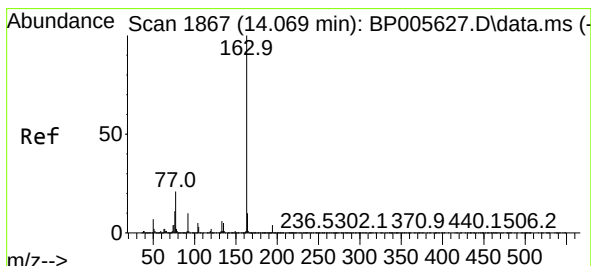
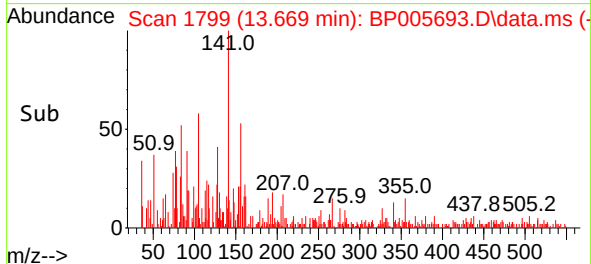
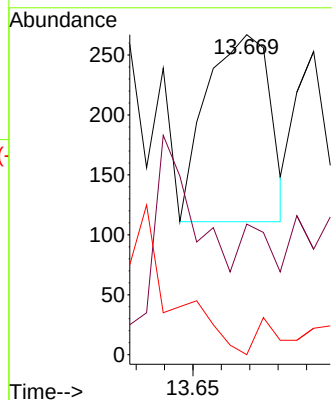
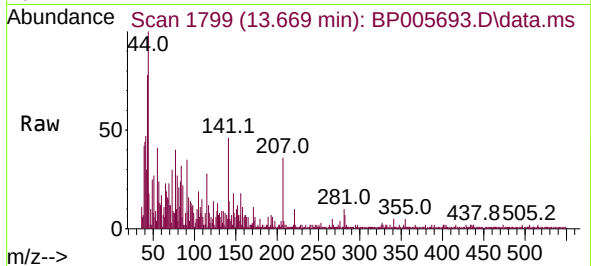




#48
2-Nitroaniline
Concen: 4.52 ng
RT: 13.669 min Scan# 1799
Delta R.T. -0.024 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

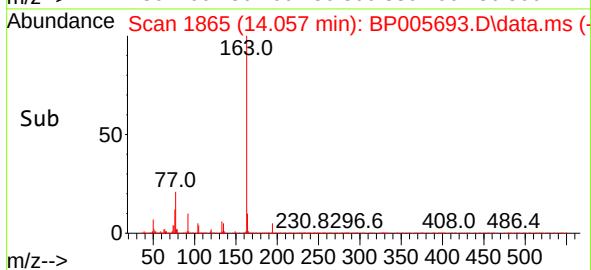
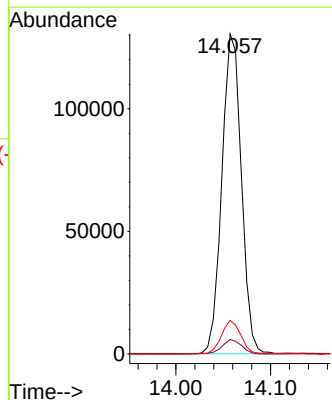
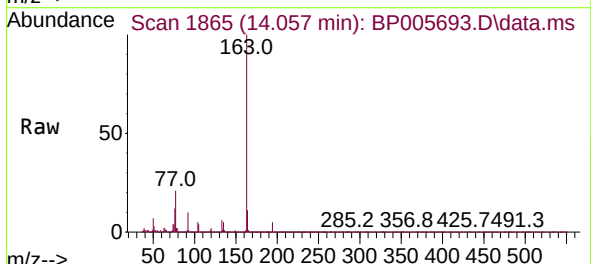
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18-B2(4-6)

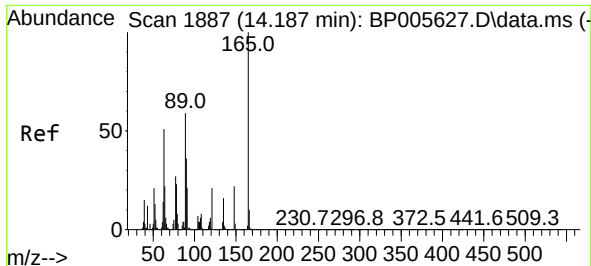
Tgt Ion: 65 Resp: 243
Ion Ratio Lower Upper
65 100
92 40.8 48.8 73.2#
138 0.0 69.5 104.3#



#50
Dimethylphthalate
Concen: 5.27 ng
RT: 14.057 min Scan# 1865
Delta R.T. -0.012 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion: 163 Resp: 186887
Ion Ratio Lower Upper
163 100
194 4.6 3.9 5.9
164 10.5 8.1 12.1

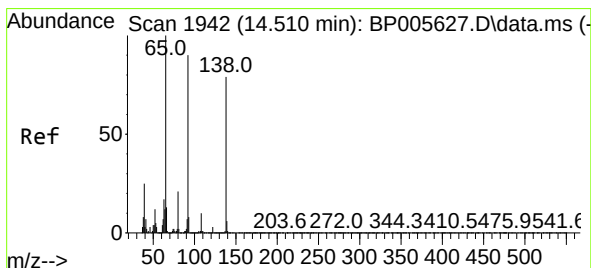
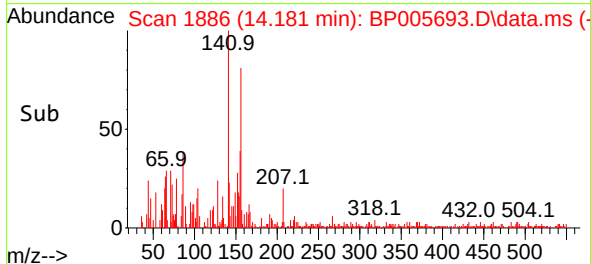
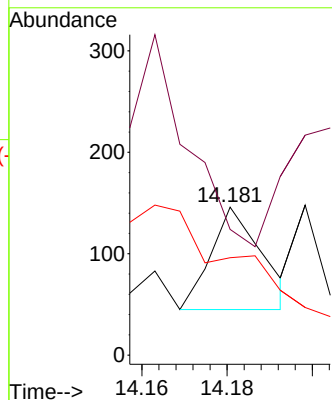
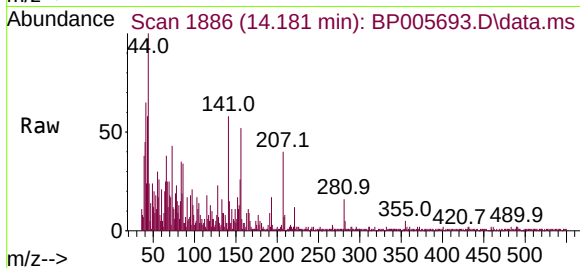




#51
2,6-Dinitrotoluene
Concen: 5.07 ng
RT: 14.181 min Scan# 1886
Delta R.T. -0.006 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

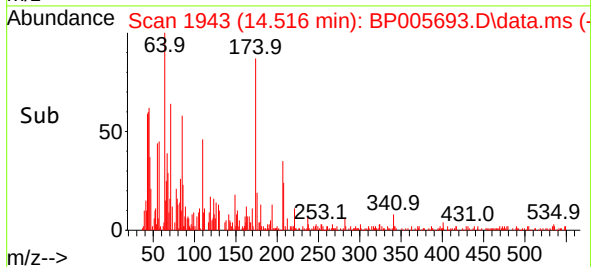
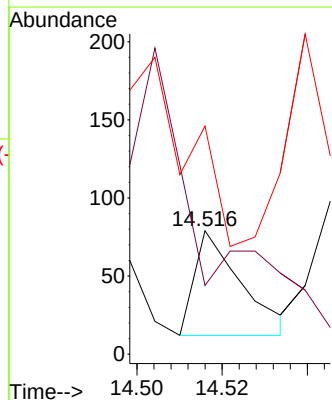
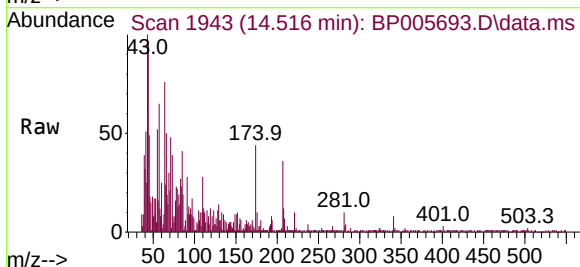
Instrument :
BNA_P
ClientSampleId :
18-B2(4-6)

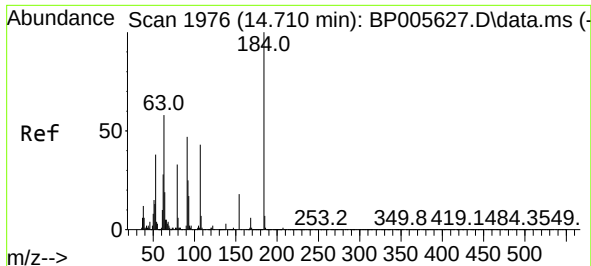
Tgt Ion:165 Resp: 84
Ion Ratio Lower Upper
165 100
63 84.9 67.4 101.0
89 65.8 73.8 110.6#



#53
3-Nitroaniline
Concen: 3.66 ng
RT: 14.516 min Scan# 1943
Delta R.T. 0.006 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:138 Resp: 51
Ion Ratio Lower Upper
138 100
108 55.7 10.2 15.4#
92 184.8 108.1 162.1#

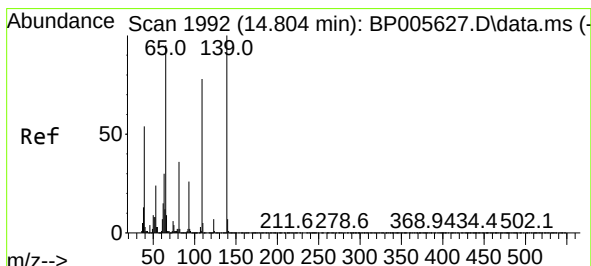
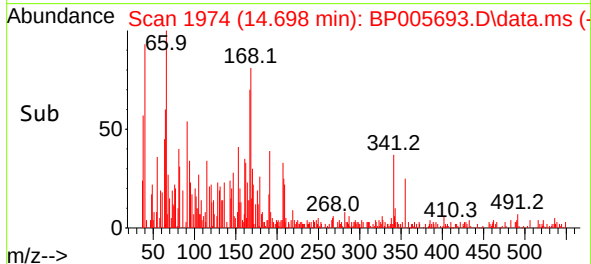
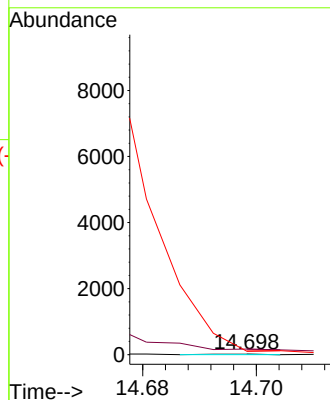
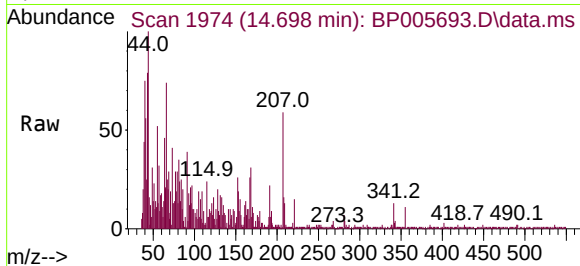




#54
2,4-Dinitrophenol
Concen: 6.53 ng
RT: 14.698 min Scan# 1974
Delta R.T. -0.012 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

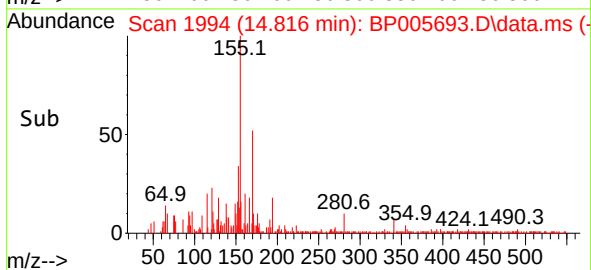
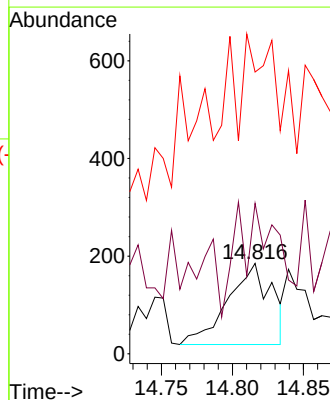
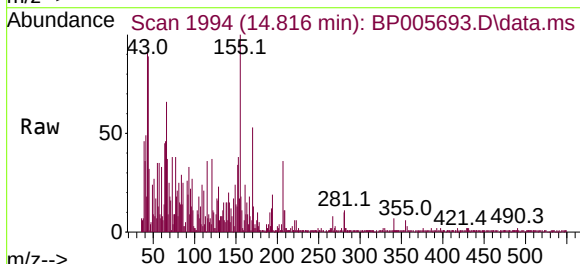
Instrument :
BNA_P
ClientSampleId :
18-B2(4-6)

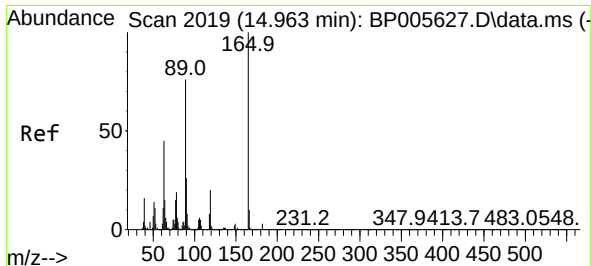
Tgt Ion:184 Resp: 10
Ion Ratio Lower Upper
184 100
63 472.2 51.2 76.8#
154 291.7 55.8 83.8#



#56
4-Nitrophenol
Concen: 3.80 ng
RT: 14.816 min Scan# 1994
Delta R.T. 0.012 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:139 Resp: 355
Ion Ratio Lower Upper
139 100
109 166.5 122.8 162.8#
65 311.9 110.0 150.0#

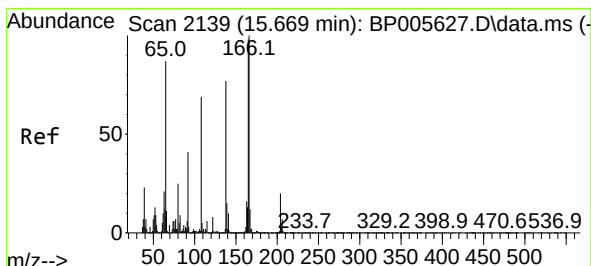
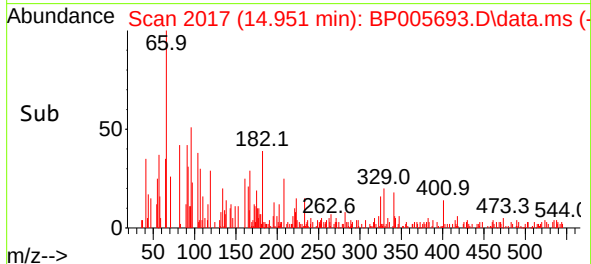
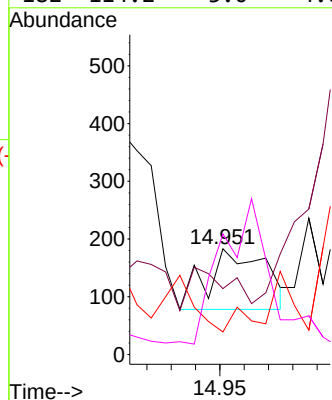
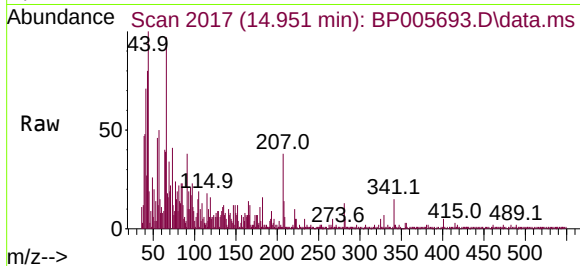




#57
2,4-Dinitrotoluene
Concen: 4.28 ng
RT: 14.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

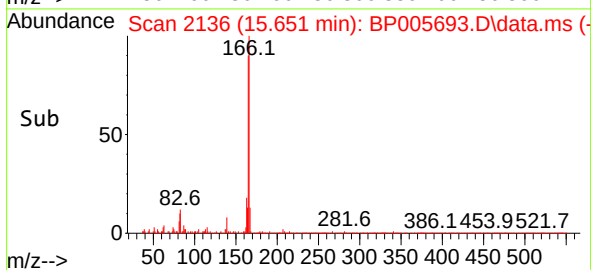
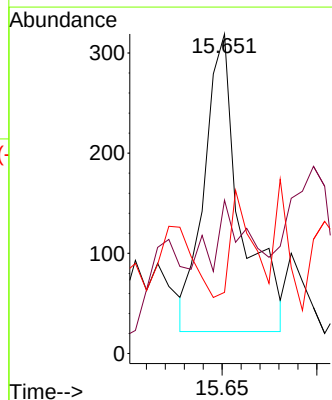
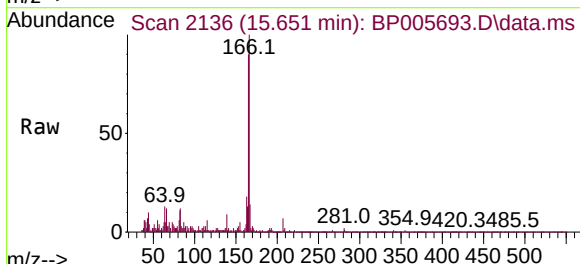
Instrument :
BNA_P
ClientSampleId :
18-B2(4-6)

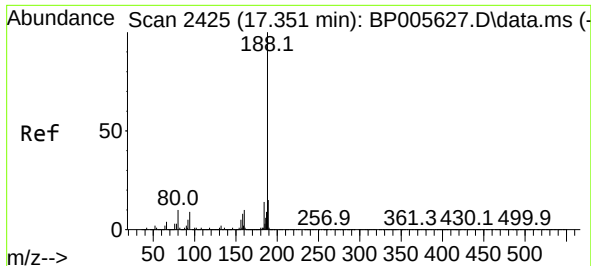
Tgt Ion:165 Resp: 173
Ion Ratio Lower Upper
165 100
63 62.3 56.7 85.1
89 50.3 85.8 128.6#
182 114.2 3.0 4.6#



#62
4-Nitroaniline
Concen: 3.68 ng
RT: 15.651 min Scan# 2136
Delta R.T. -0.018 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:138 Resp: 397
Ion Ratio Lower Upper
138 100
92 48.0 50.9 90.9#
108 19.1 154.7 194.7#

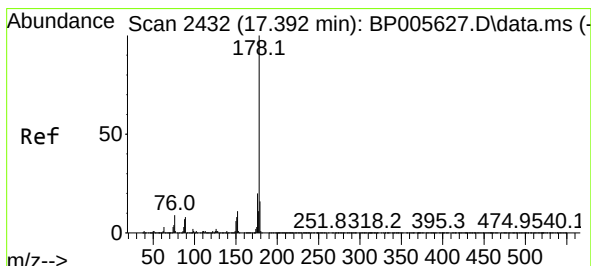
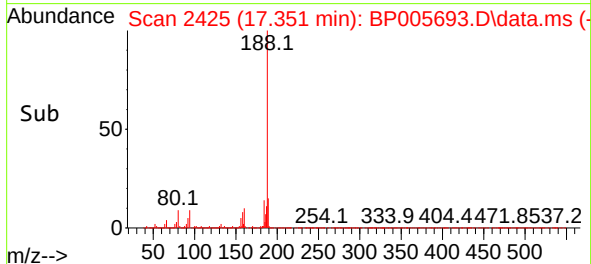
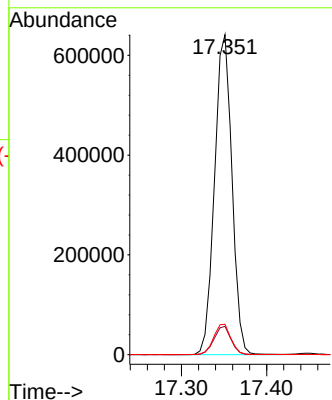
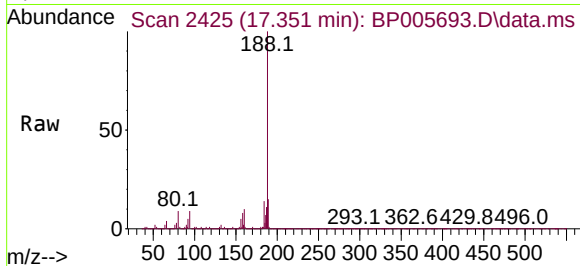




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

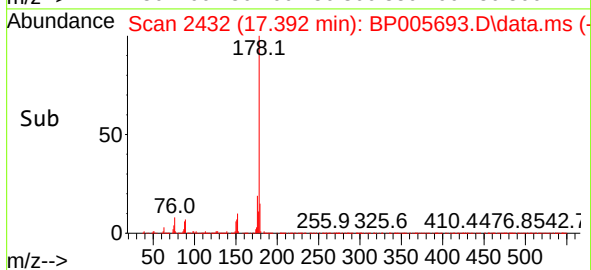
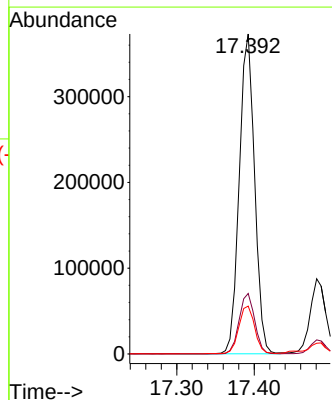
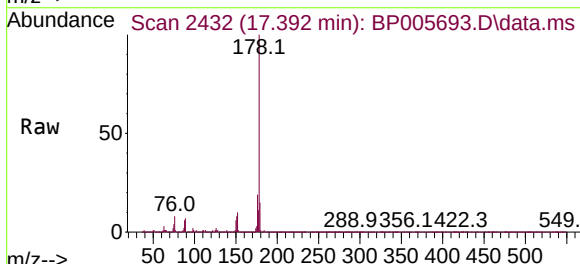
Instrument :
BNA_P
ClientSampleId :
18-B2(4-6)

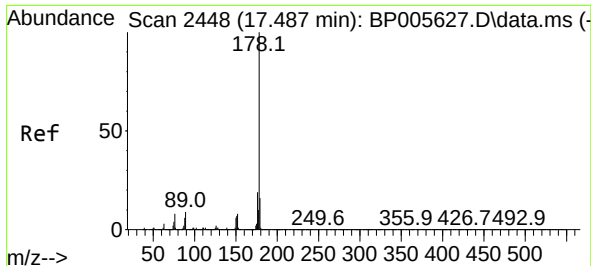
Tgt Ion:188 Resp: 909405
Ion Ratio Lower Upper
188 100
94 8.8 5.0 7.6#
80 9.5 5.9 8.9#



#71
Phenanthrene
Concen: 9.04 ng
RT: 17.392 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:178 Resp: 511995
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.0 12.3 18.5



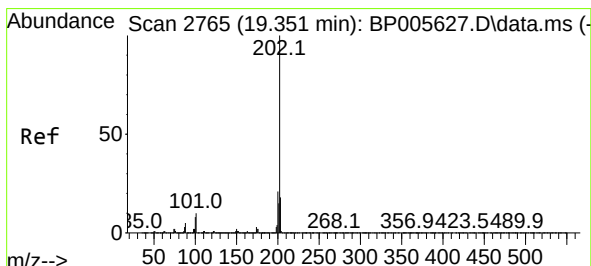
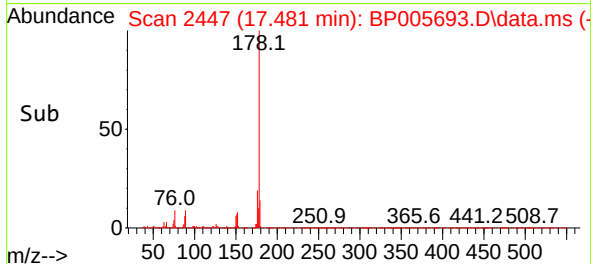
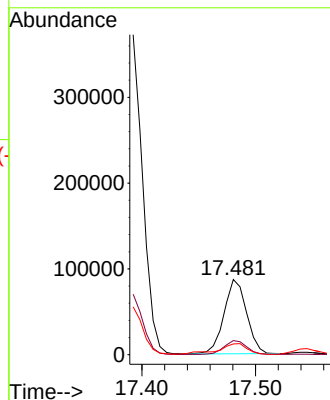
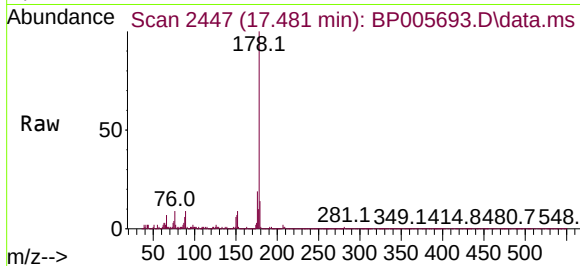


#72
 Anthracene
 Concen: 2.14 ng
 RT: 17.481 min Scan# 2447
 Delta R.T. -0.006 min
 Lab File: BP005693.D
 Acq: 03 Jun 2021 18:40

Instrument :
 BNA_P
 ClientSampleId :
 18-B2(4-6)

Tgt Ion:178 Resp: 119714

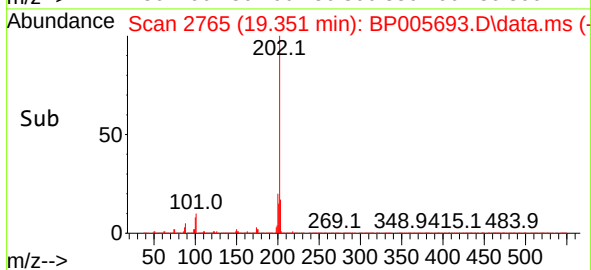
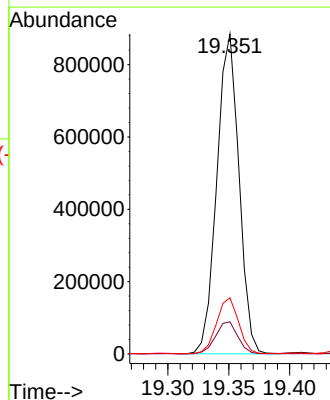
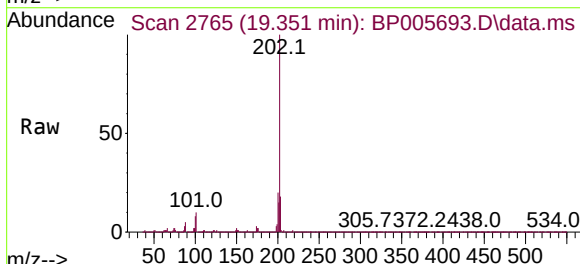
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	14.4	12.6	19.0

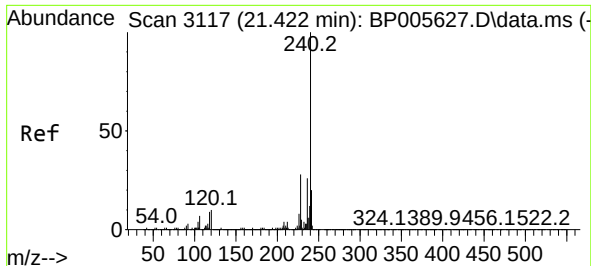


#75
 Fluoranthene
 Concen: 16.44 ng
 RT: 19.351 min Scan# 2765
 Delta R.T. -0.000 min
 Lab File: BP005693.D
 Acq: 03 Jun 2021 18:40

Tgt Ion:202 Resp: 1117878

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	26.1
203	17.5	0.0	37.2

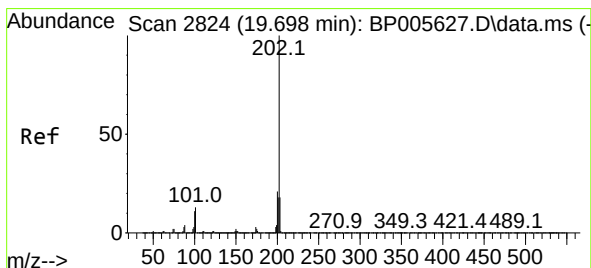
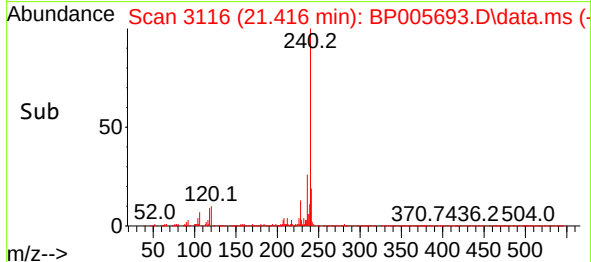
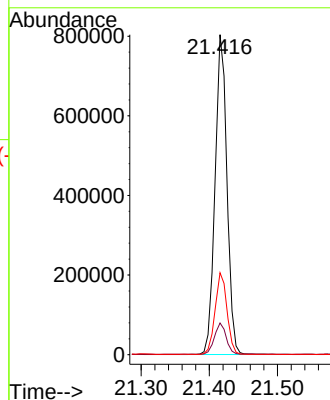
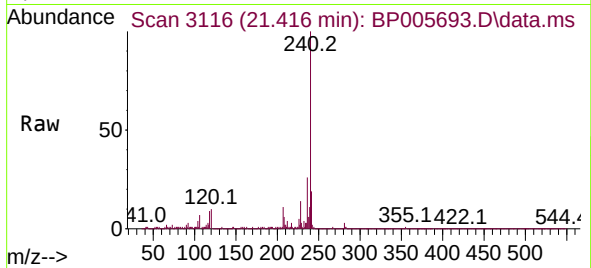




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.416 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

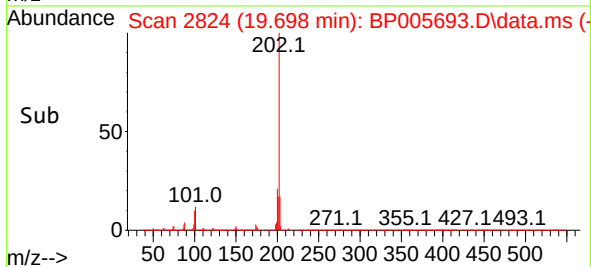
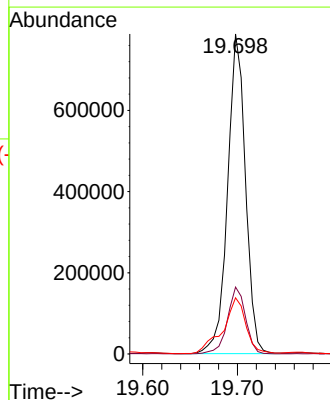
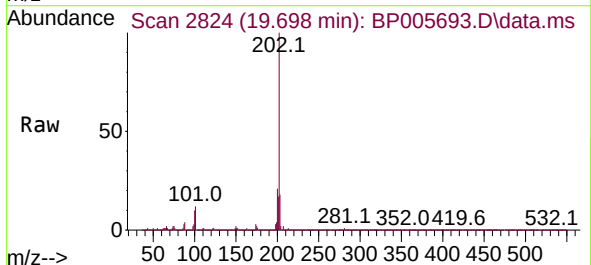
Instrument :
BNA_P
ClientSampleId :
18-B2(4-6)

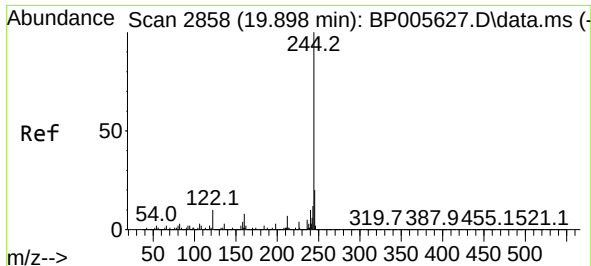
Tgt Ion:240 Resp: 976232
Ion Ratio Lower Upper
240 100
120 9.9 4.2 6.2#
236 25.6 20.2 30.2



#78
Pyrene
Concen: 15.04 ng
RT: 19.698 min Scan# 2824
Delta R.T. -0.000 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:202 Resp: 1035830
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.5 13.8 20.6

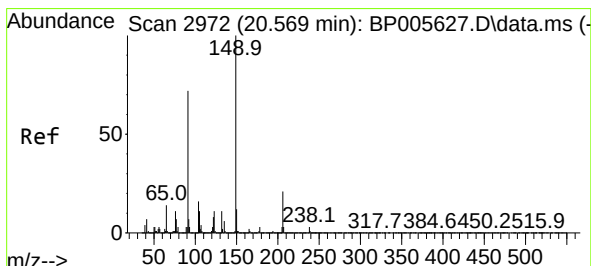
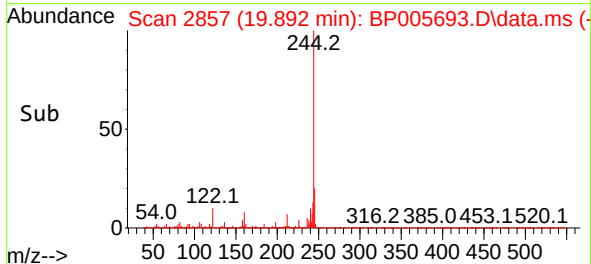
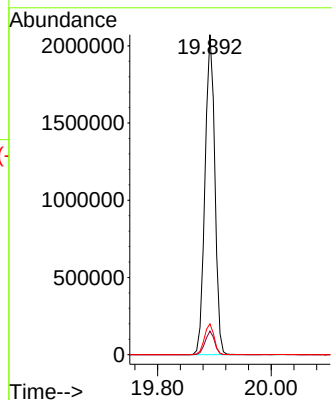
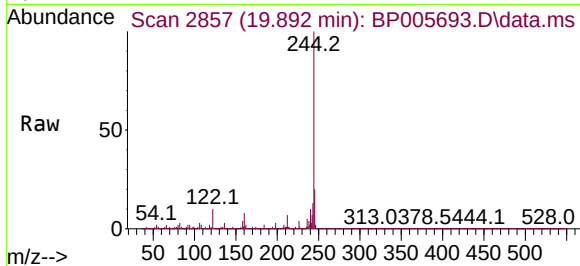




#79
 Terphenyl-d14
 Concen: 47.58 ng
 RT: 19.892 min Scan# 2857
 Delta R.T. -0.006 min
 Lab File: BP005693.D
 Acq: 03 Jun 2021 18:40

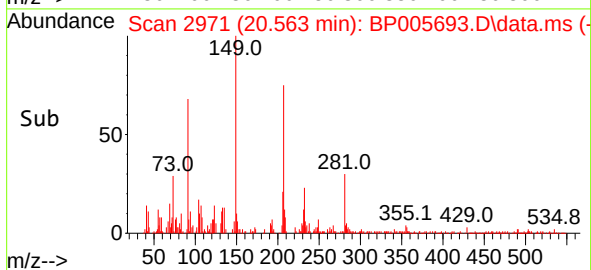
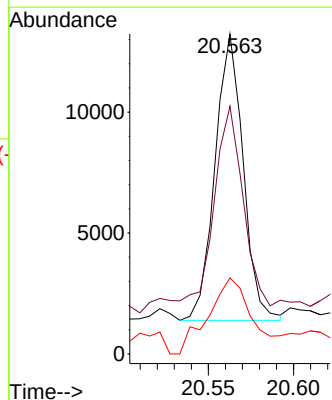
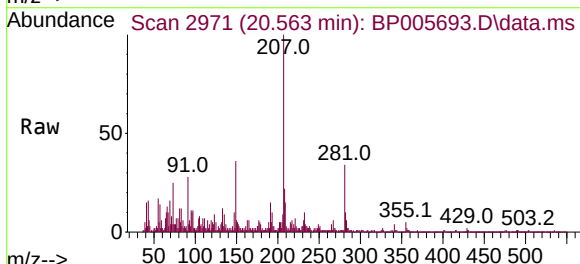
Instrument :
 BNA_P
 ClientSampleId :
 18-B2(4-6)

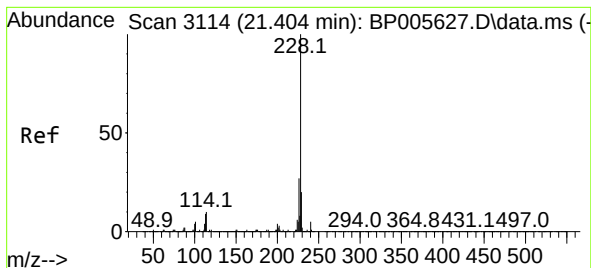
Tgt Ion:244 Resp: 2475627
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 9.7 5.2 7.8#



#80
 Butylbenzylphthalate
 Concen: 4.58 ng
 RT: 20.563 min Scan# 2971
 Delta R.T. -0.006 min
 Lab File: BP005693.D
 Acq: 03 Jun 2021 18:40

Tgt Ion:149 Resp: 13605
 Ion Ratio Lower Upper
 149 100
 91 77.4 60.2 90.4
 206 23.7 23.9 35.9#

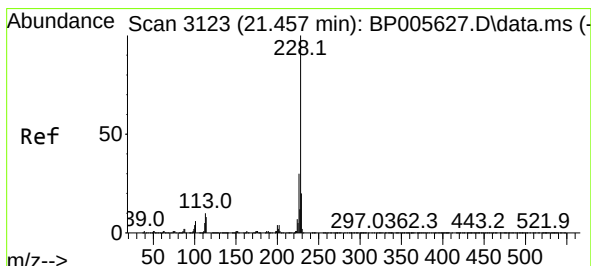
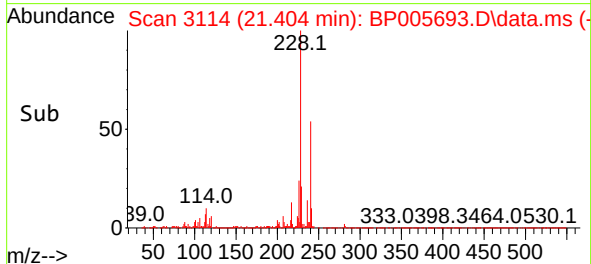
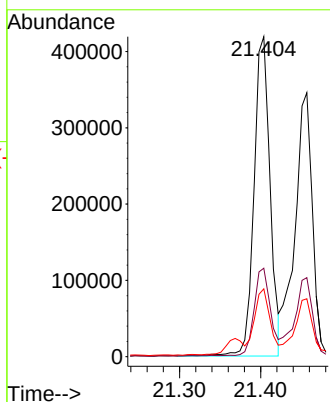
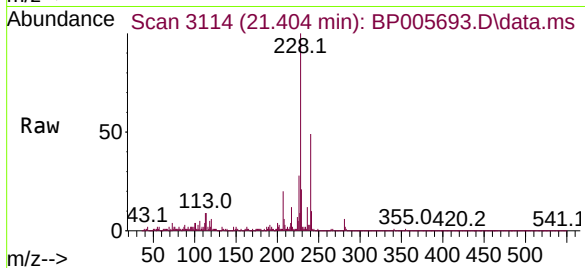




#81
Benzo(a)anthracene
Concen: 8.01 ng
RT: 21.404 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

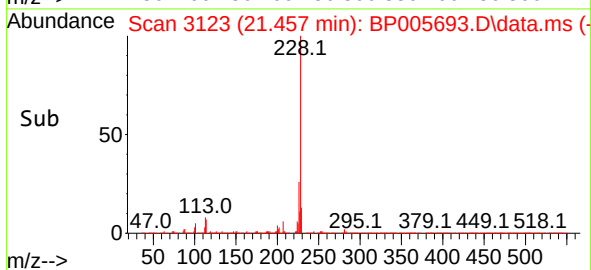
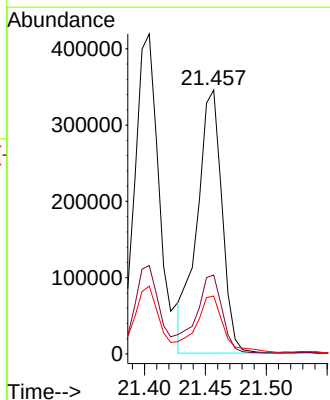
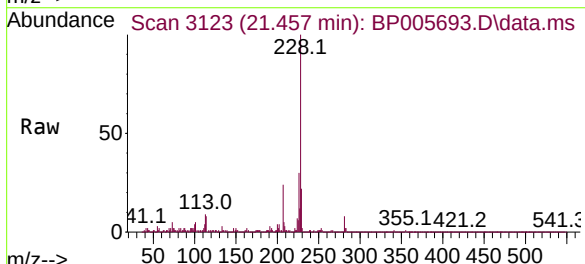
Instrument :
BNA_P
ClientSampleId :
18-B2(4-6)

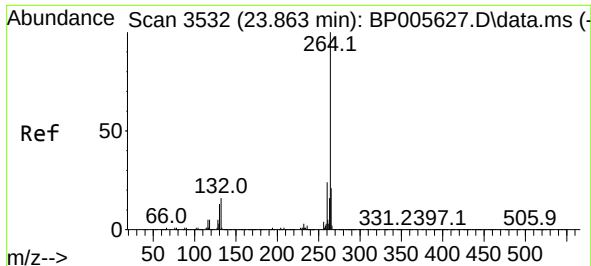
Tgt Ion:228 Resp: 573747
Ion Ratio Lower Upper
228 100
226 27.7 21.2 31.8
229 21.2 15.6 23.4



#83
Chrysene
Concen: 7.11 ng
RT: 21.457 min Scan# 3123
Delta R.T. -0.000 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:228 Resp: 493178
Ion Ratio Lower Upper
228 100
226 30.0 24.8 37.2
229 22.0 15.4 23.0

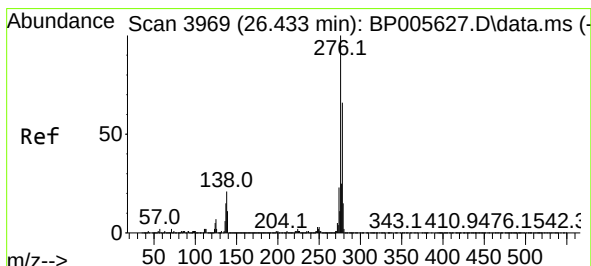
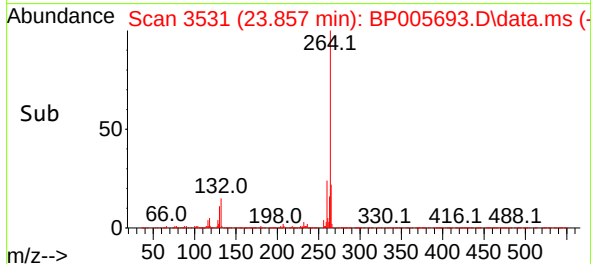
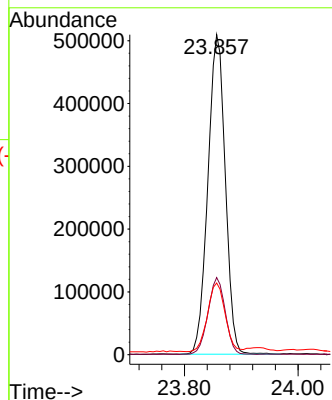
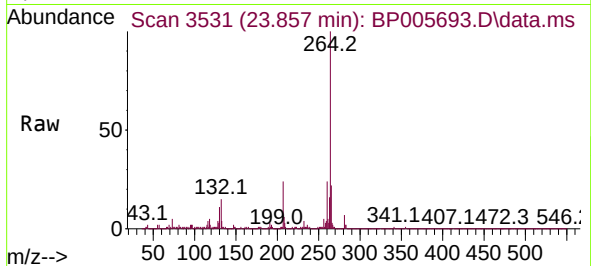




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.857 min Scan# 3531
Delta R.T. -0.006 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

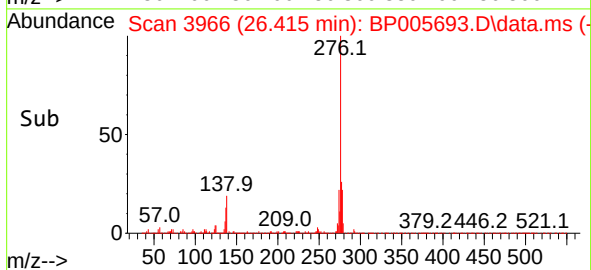
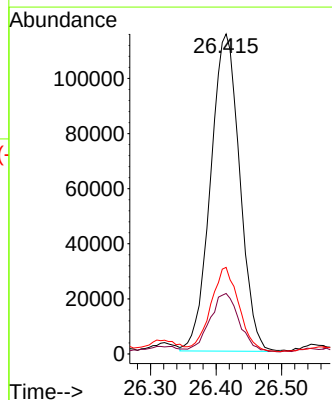
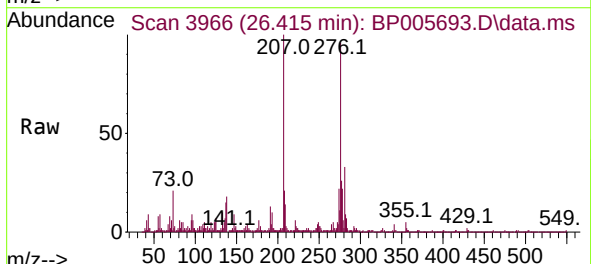
Instrument :
BNA_P
ClientSampled :
18-B2(4-6)

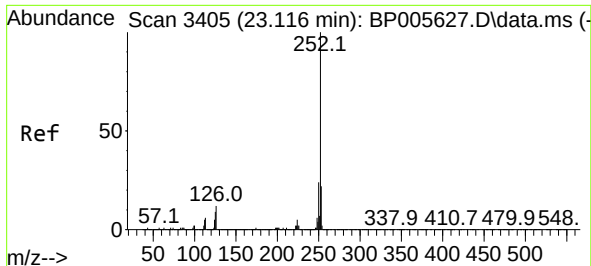
Tgt Ion:264 Resp: 1078799
Ion Ratio Lower Upper
264 100
260 24.1 20.6 30.8
265 22.4 19.0 28.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.88 ng
RT: 26.415 min Scan# 3966
Delta R.T. -0.018 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:276 Resp: 355856
Ion Ratio Lower Upper
276 100
138 18.5 8.4 12.6#
277 25.6 20.6 31.0

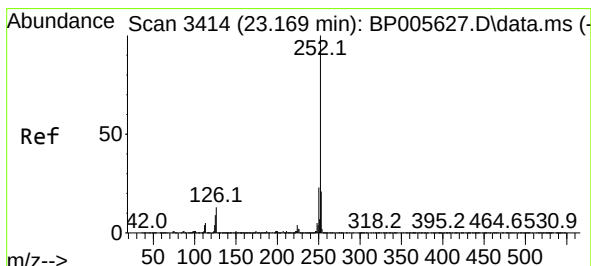
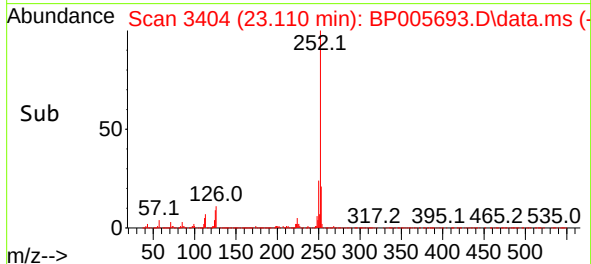
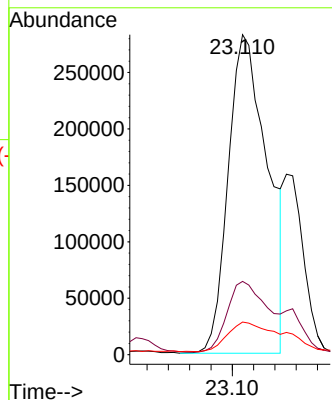
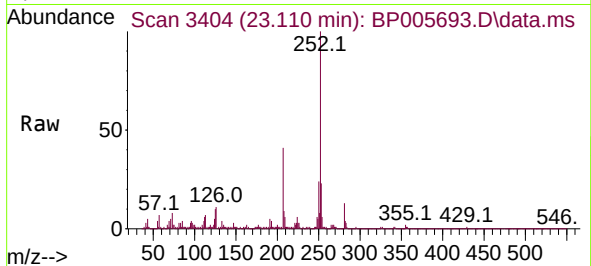




#88
Benzo(b)fluoranthene
Concen: 9.24 ng
RT: 23.110 min Scan# 3404
Delta R.T. -0.006 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

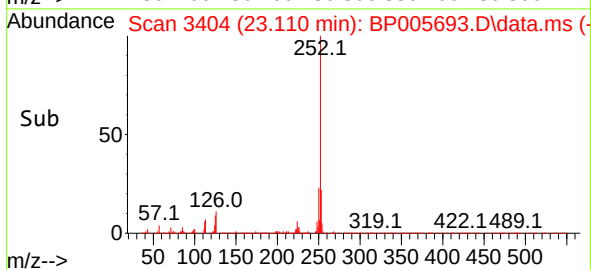
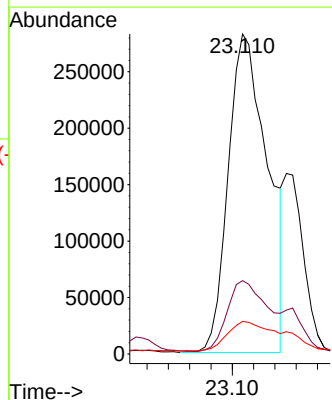
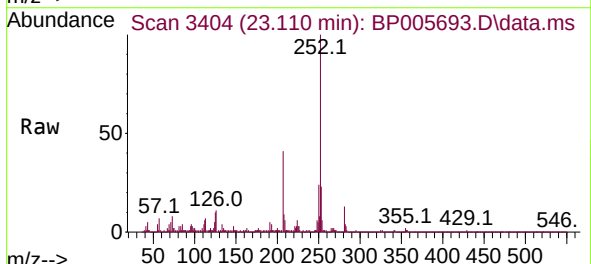
Instrument :
BNA_P
ClientSampled :
18-B2(4-6)

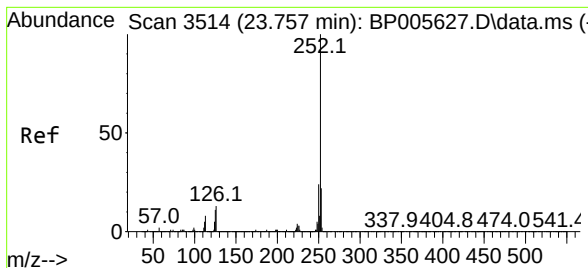
Tgt Ion:252 Resp: 723391
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 10.2 3.4 5.0#



#89
Benzo(k)fluoranthene
Concen: 9.75 ng
RT: 23.110 min Scan# 3404
Delta R.T. -0.059 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:252 Resp: 723391
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 10.2 3.8 5.6#

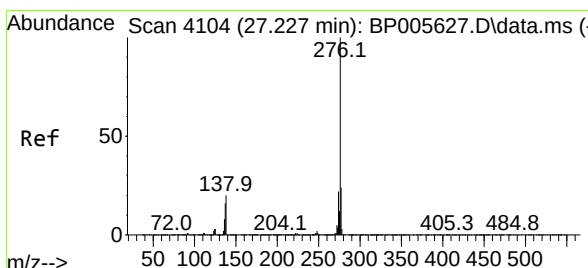
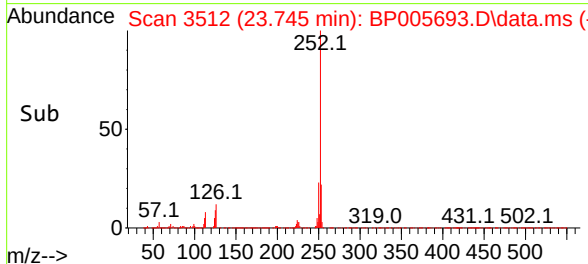
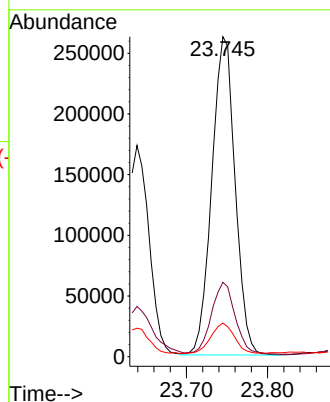
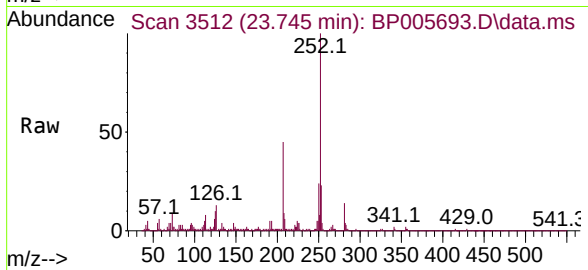




#90
Benzo(a)pyrene
Concen: 7.36 ng
RT: 23.745 min Scan# 3512
Delta R.T. -0.012 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Instrument :
BNA_P
ClientSampled :
18-B2(4-6)

Tgt Ion:252 Resp: 523858
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 10.5 3.8 5.6#



#92
Benzo(g,h,i)perylene
Concen: 4.41 ng
RT: 27.204 min Scan# 4100
Delta R.T. -0.024 min
Lab File: BP005693.D
Acq: 03 Jun 2021 18:40

Tgt Ion:276 Resp: 338648
Ion Ratio Lower Upper
276 100
277 25.3 19.8 29.8
138 18.6 7.7 11.5#

