

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060321\
 Data File : BP005694.D
 Acq On : 03 Jun 2021 19:14
 Operator : CG/JU
 Sample : M2591-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-1

Quant Time: Jun 04 01:04:08 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

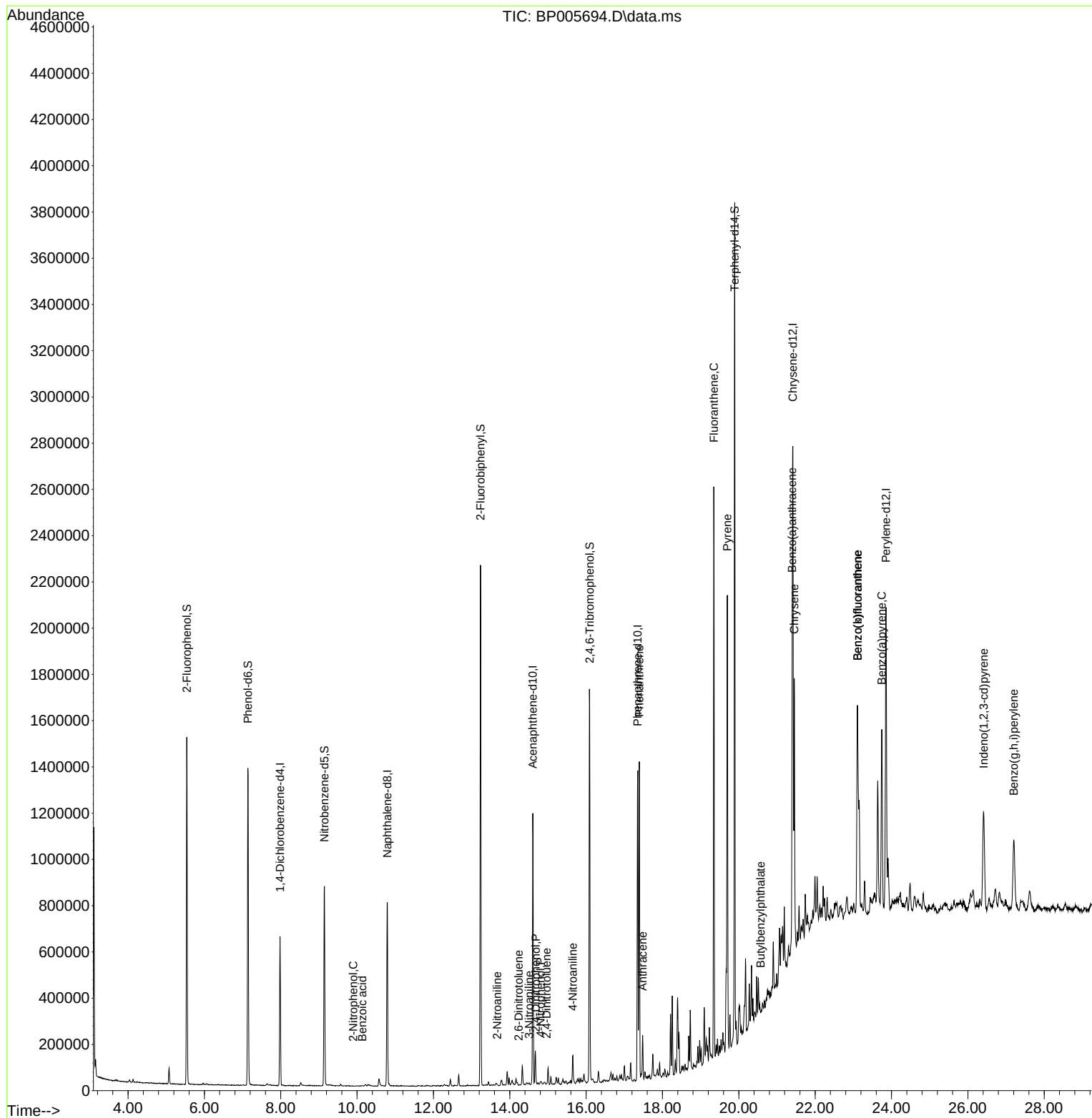
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.981	152	174049	20.00	ng	-0.01
21) Naphthalene-d8	10.793	136	666665	20.00	ng	0.00
39) Acenaphthene-d10	14.604	164	403528	20.00	ng	0.00
64) Phenanthrene-d10	17.351	188	812087	20.00	ng	# 0.00
76) Chrysene-d12	21.416	240	877013	20.00	ng	# 0.00
86) Perylene-d12	23.857	264	1019269	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	636142	56.82	ng	0.00
7) Phenol-d6	7.140	99	788511	51.67	ng	0.00
23) Nitrobenzene-d5	9.146	82	502434	41.91	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	339001	65.51	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	1129957	37.06	ng	0.00
79) Terphenyl-d14	19.892	244	1621407	34.69	ng	0.00
Target Compounds						
26) 2-Nitrophenol	9.899	139	15	4.16	ng	# 1
32) Benzoic acid	10.140	122	216	5.05	ng	90
48) 2-Nitroaniline	13.669	65	258	4.52	ng	# 34
51) 2,6-Dinitrotoluene	14.234	165	62	5.07	ng	86
53) 3-Nitroaniline	14.510	138	113	3.67	ng	# 40
54) 2,4-Dinitrophenol	14.687	184	43	6.54	ng	# 1
56) 4-Nitrophenol	14.810	139	567	3.83	ng	# 24
57) 2,4-Dinitrotoluene	14.963	165	252	4.29	ng	# 50
62) 4-Nitroaniline	15.651	138	842	3.74	ng	# 1
71) Phenanthrene	17.392	178	821648	16.24	ng	99
72) Anthracene	17.481	178	116353	2.33	ng	98
75) Fluoranthene	19.345	202	1365615	22.49	ng	96
78) Pyrene	19.698	202	1189037	19.21	ng	99
80) Butylbenzylphthalate	20.569	149	661	4.15	ng	# 58
81) Benzo(a)anthracene	21.398	228	585188	9.09	ng	97
83) Chrysene	21.451	228	628689	10.09	ng	97
87) Indeno(1,2,3-cd)pyrene	26.415	276	449568	5.18	ng	# 93
88) Benzo(b)fluoranthene	23.110	252	843464	11.41	ng	# 97
89) Benzo(k)fluoranthene	23.110	252	843464	12.04	ng	# 96
90) Benzo(a)pyrene	23.745	252	601666	8.94	ng	# 95
92) Benzo(g,h,i)perylene	27.204	276	419119	5.77	ng	# 91

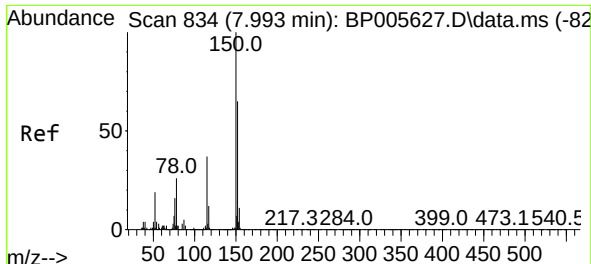
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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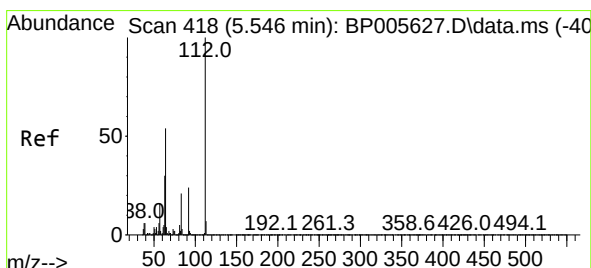
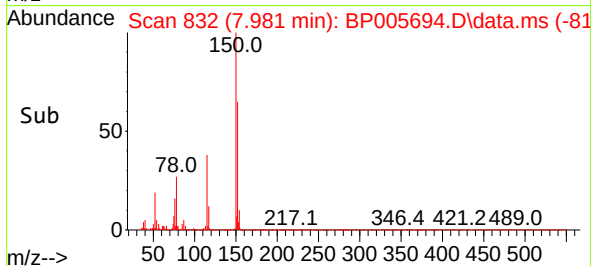
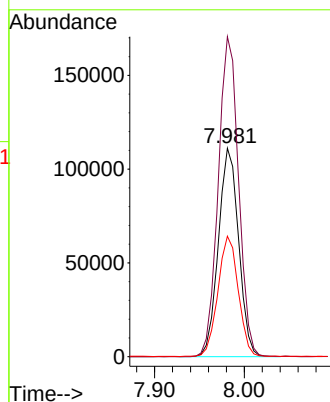
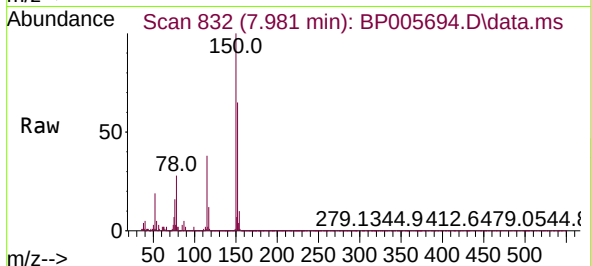




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.981 min Scan# 832
Delta R.T. -0.012 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

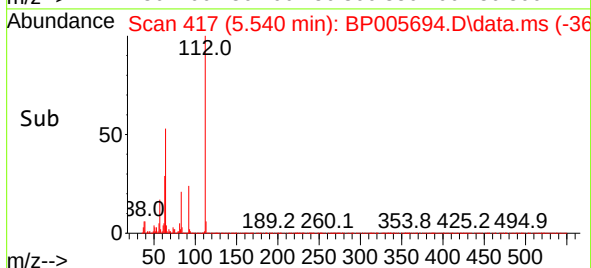
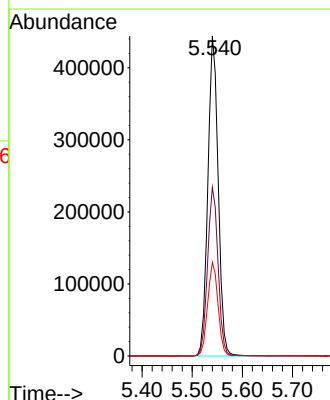
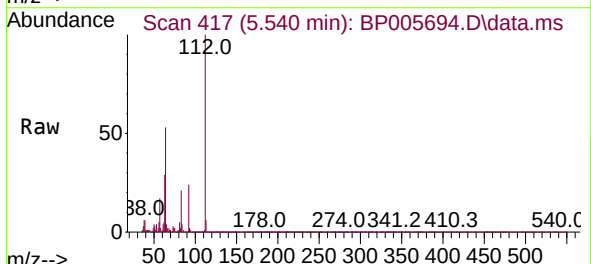
Instrument :
BNA_P
ClientSampled :
S-1

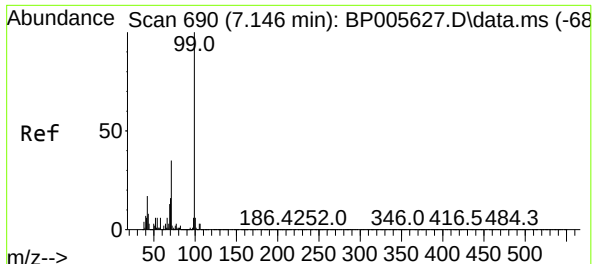
Tgt Ion:152 Resp: 174049
Ion Ratio Lower Upper
152 100
150 153.5 119.8 179.8
115 57.8 49.0 73.4



#5
2-Fluorophenol
Concen: 56.82 ng
RT: 5.540 min Scan# 417
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion:112 Resp: 636142
Ion Ratio Lower Upper
112 100
64 52.7 33.6 50.4#
63 29.2 18.6 27.8#

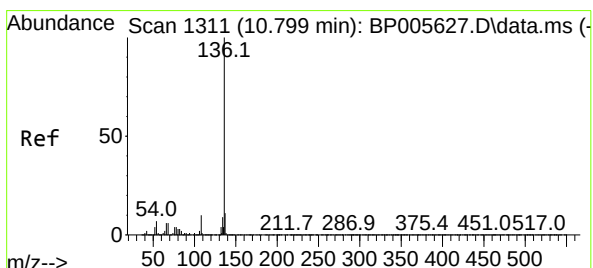
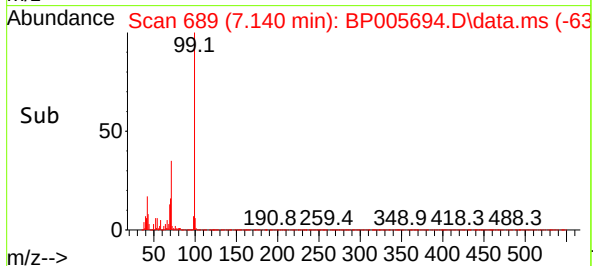
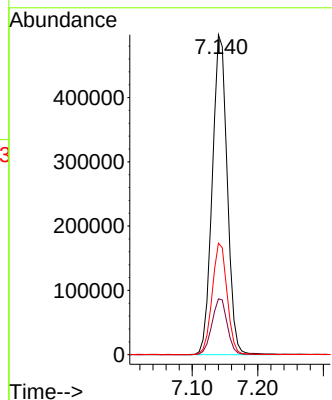
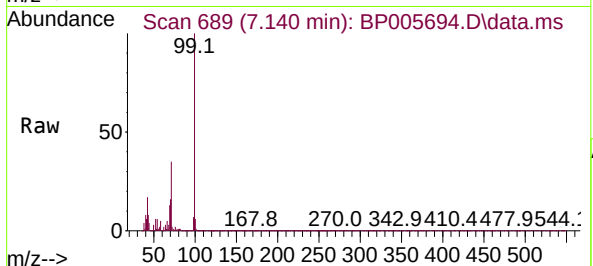




#7
Phenol-d6
Concen: 51.67 ng
RT: 7.140 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

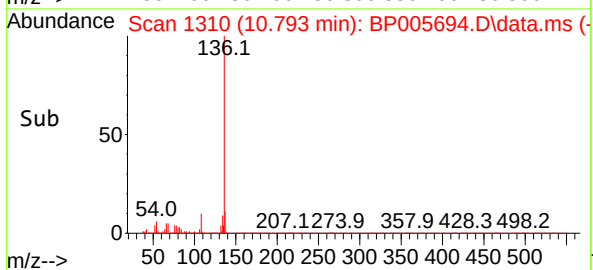
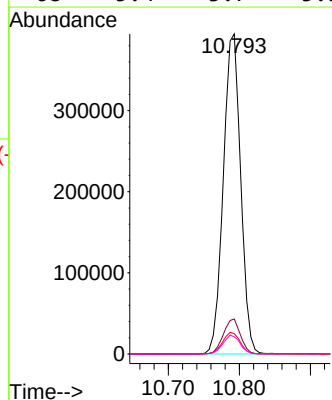
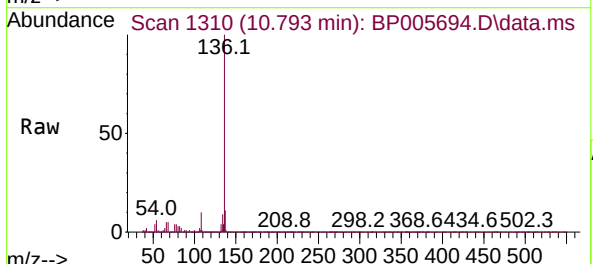
Instrument :
BNA_P
ClientSampled :
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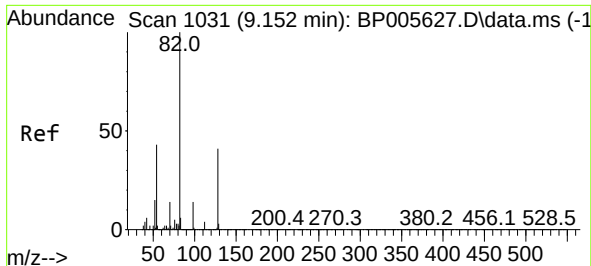
Tgt Ion: 99 Resp: 788511
Ion Ratio Lower Upper
99 100
42 17.5 12.9 19.3
71 34.8 26.7 40.1



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.793 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion: 136 Resp: 666665
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.4 5.0 7.4
68 5.4 3.7 5.5

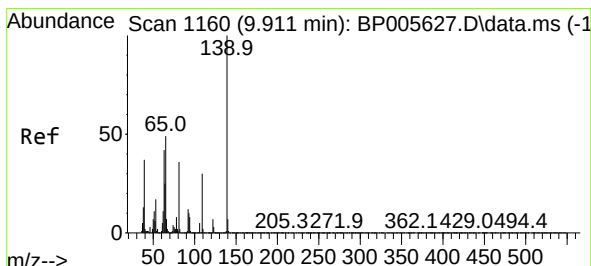
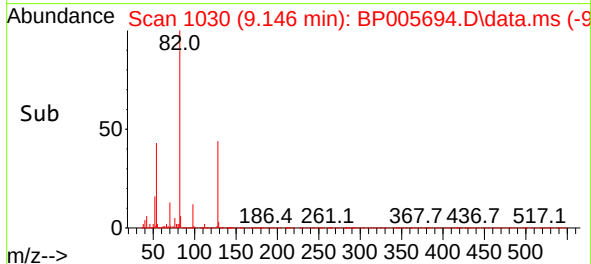
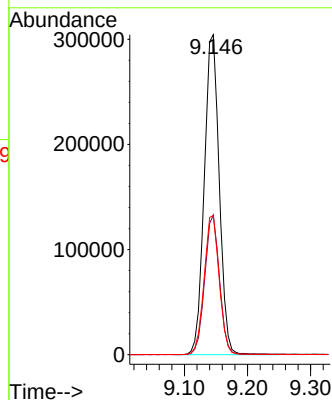
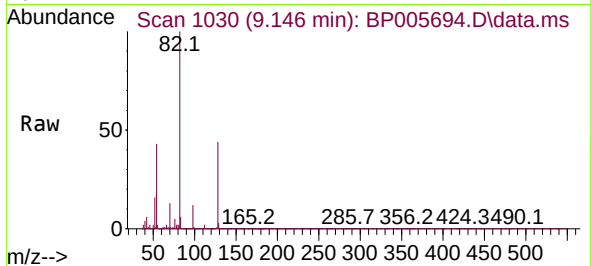




#23
Nitrobenzene-d5
Concen: 41.91 ng
RT: 9.146 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

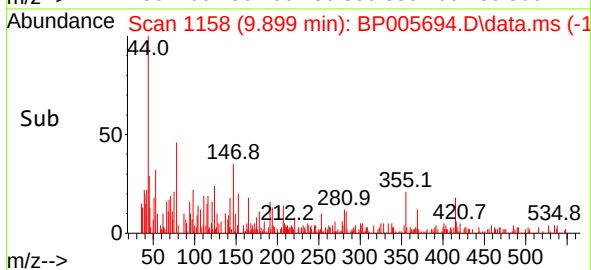
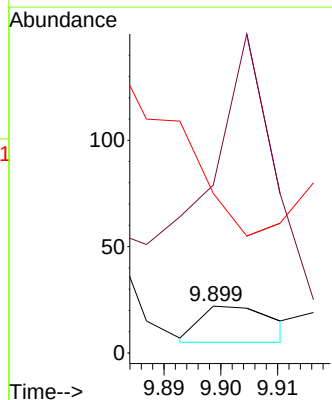
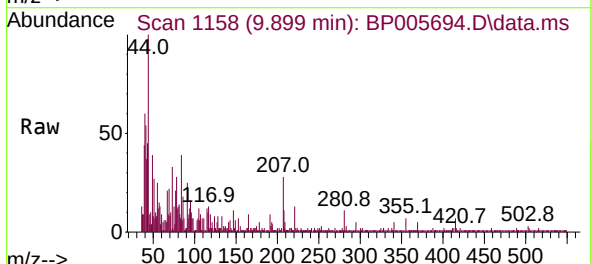
Instrument :
BNA_P
ClientSampled :
S-1

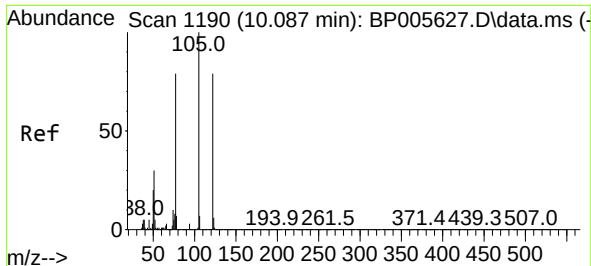
Tgt Ion: 82 Resp: 502434
Ion Ratio Lower Upper
82 100
128 43.7 30.5 45.7
54 43.5 33.9 50.9



#26
2-Nitrophenol
Concen: 4.16 ng
RT: 9.899 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion: 139 Resp: 15
Ion Ratio Lower Upper
139 100
109 359.1 40.7 61.1#
65 340.9 47.8 71.6#

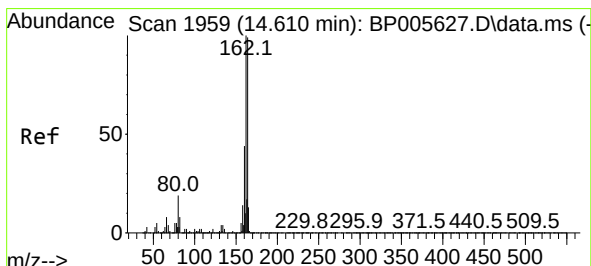
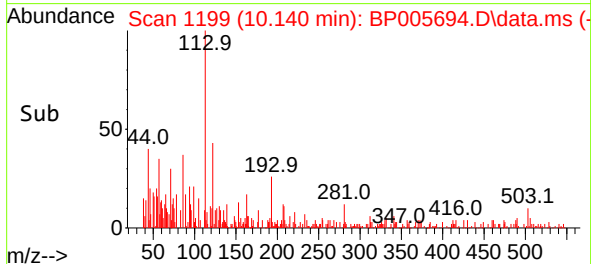
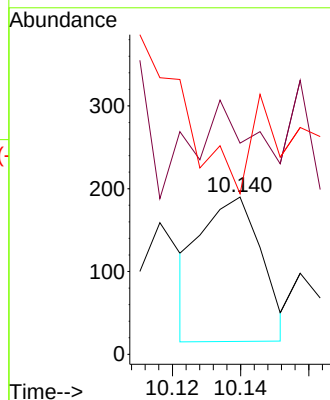
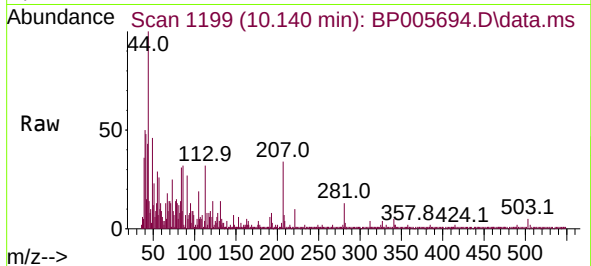




#32
Benzoic acid
Concen: 5.05 ng
RT: 10.140 min Scan# 1199
Delta R.T. 0.053 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

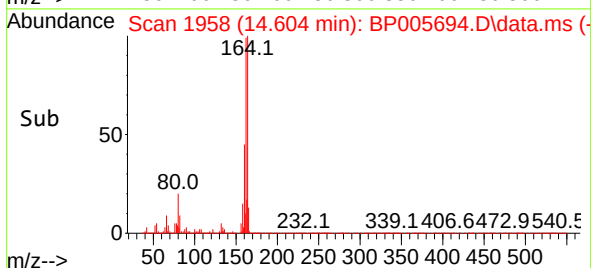
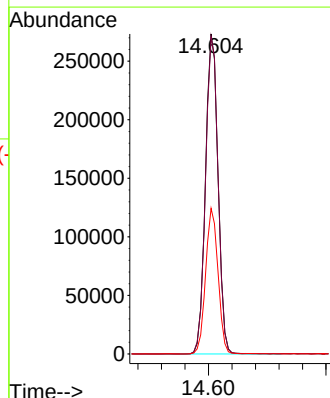
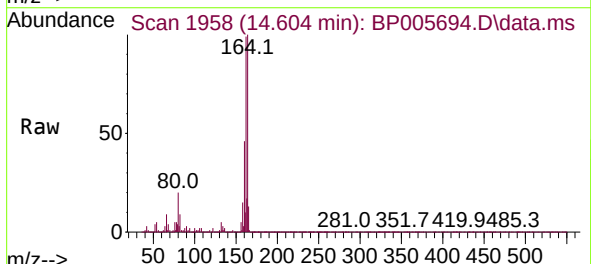
Instrument :
BNA_P
ClientSampled :
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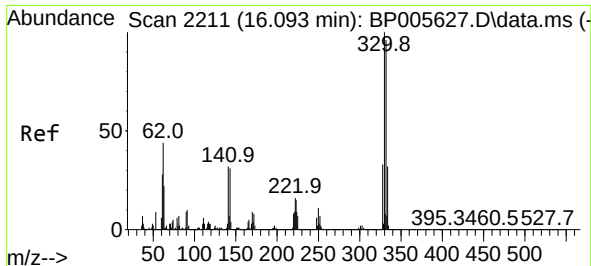
Tgt Ion:122 Resp: 216
Ion Ratio Lower Upper
122 100
105 134.2 105.1 145.1
77 102.1 69.6 109.6



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion:164 Resp: 403528
Ion Ratio Lower Upper
164 100
162 99.2 73.5 110.3
160 45.5 40.6 61.0

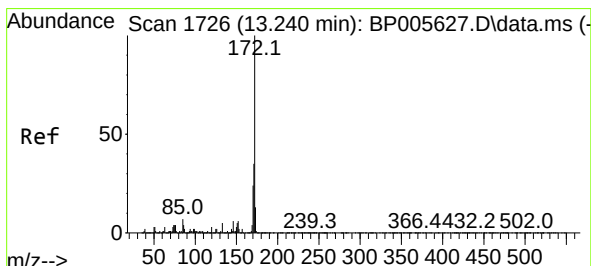
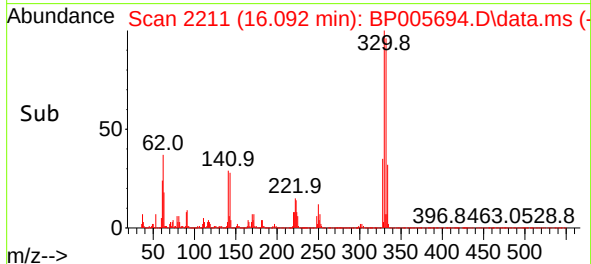
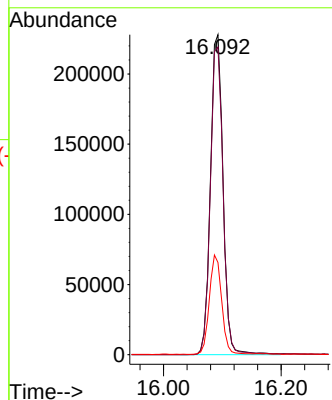
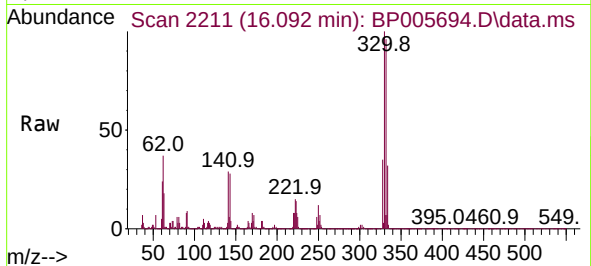




#42
2,4,6-Tribromophenol
Concen: 65.51 ng
RT: 16.092 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

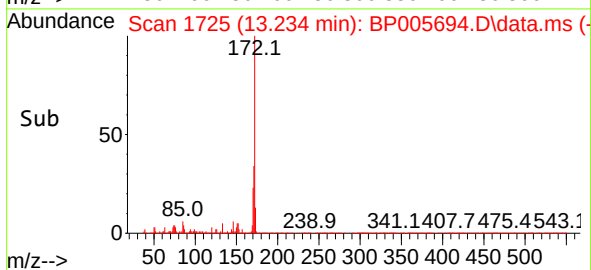
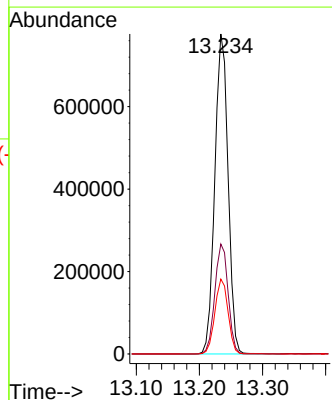
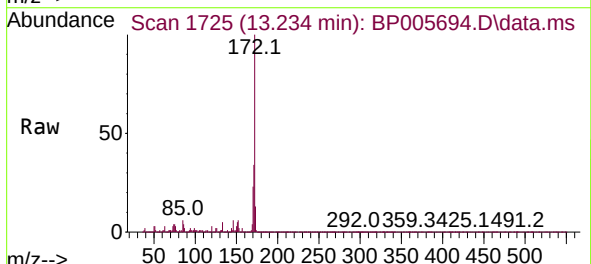
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ClientSampleId :
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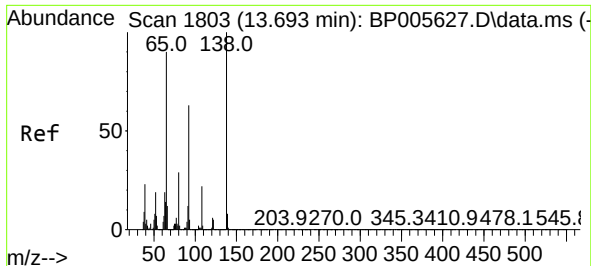
Tgt Ion: 330 Resp: 339001
Ion Ratio Lower Upper
330 100
332 97.0 76.3 114.5
141 30.4 22.8 34.2



#45
2-Fluorobiphenyl
Concen: 37.06 ng
RT: 13.234 min Scan# 1725
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion: 172 Resp: 1129957
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 23.4 19.6 29.4

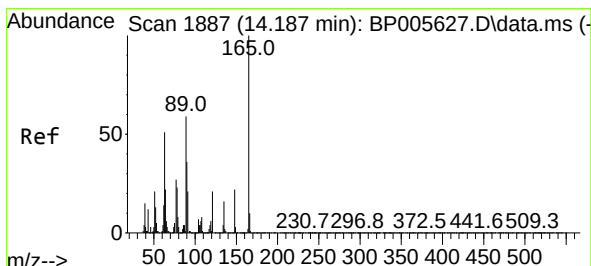
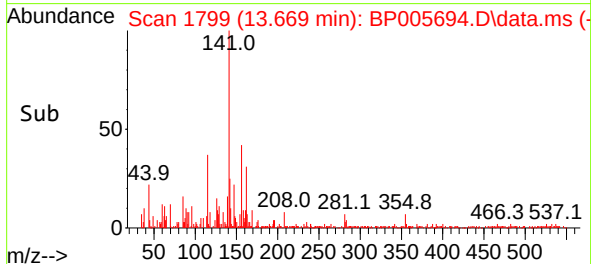
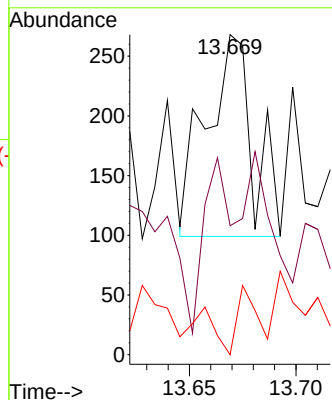
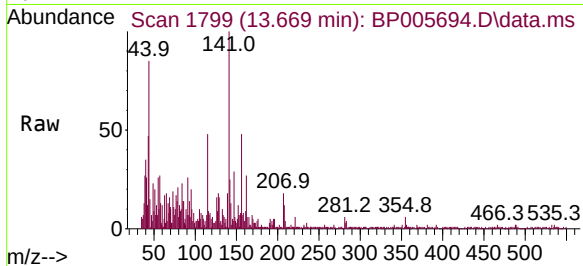




#48
2-Nitroaniline
Concen: 4.52 ng
RT: 13.669 min Scan# 1799
Delta R.T. -0.024 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

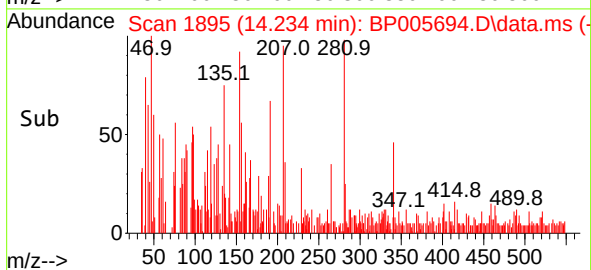
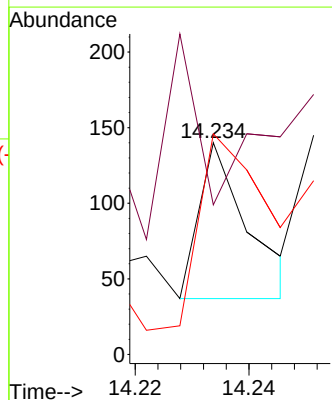
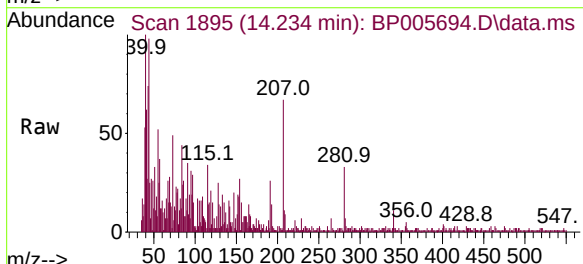
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S-1

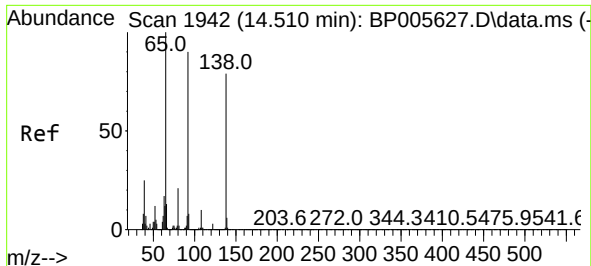
Tgt Ion: 65 Resp: 258
Ion Ratio Lower Upper
65 100
92 40.3 48.8 73.2#
138 0.0 69.5 104.3#



#51
2,6-Dinitrotoluene
Concen: 5.07 ng
RT: 14.234 min Scan# 1895
Delta R.T. 0.047 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion: 165 Resp: 62
Ion Ratio Lower Upper
165 100
63 70.7 67.4 101.0
89 104.3 73.8 110.6

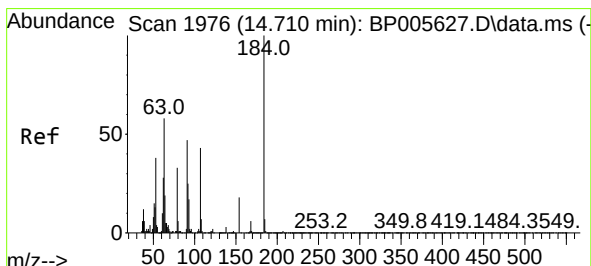
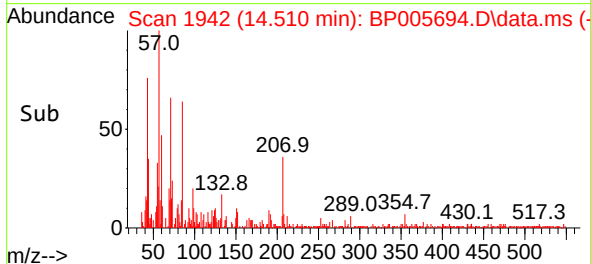
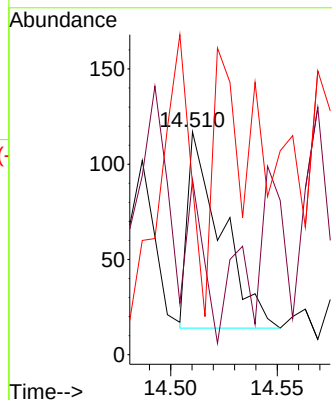
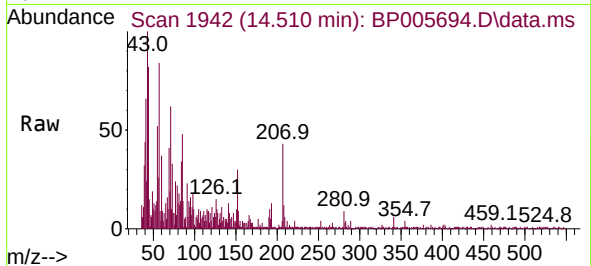




#53
3-Nitroaniline
Concen: 3.67 ng
RT: 14.510 min Scan# 1942
Delta R.T. 0.000 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

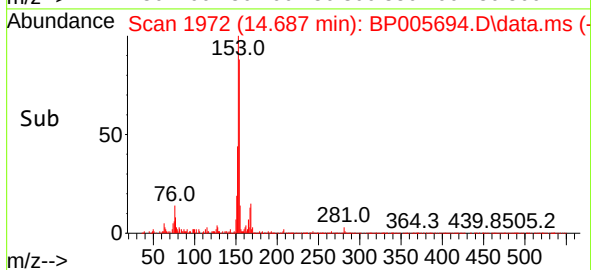
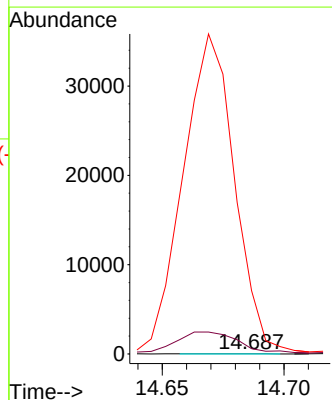
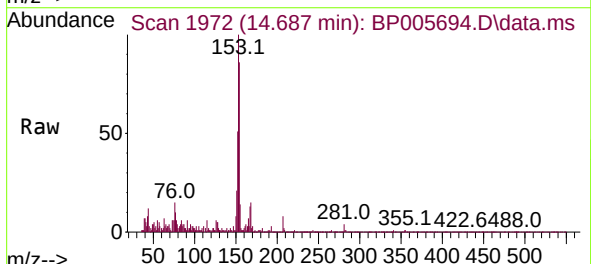
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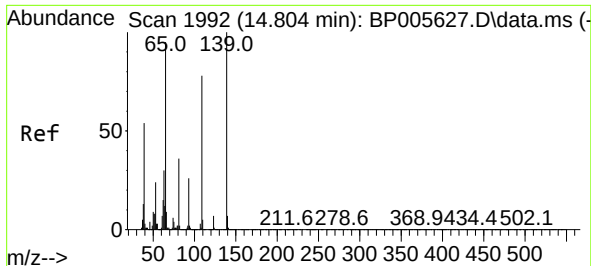
Tgt Ion:138 Resp: 113
Ion Ratio Lower Upper
138 100
108 78.6 10.2 15.4#
92 76.1 108.1 162.1#



#54
2,4-Dinitrophenol
Concen: 6.54 ng
RT: 14.687 min Scan# 1972
Delta R.T. -0.023 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion:184 Resp: 43
Ion Ratio Lower Upper
184 100
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154 26288.9 55.8 83.8#

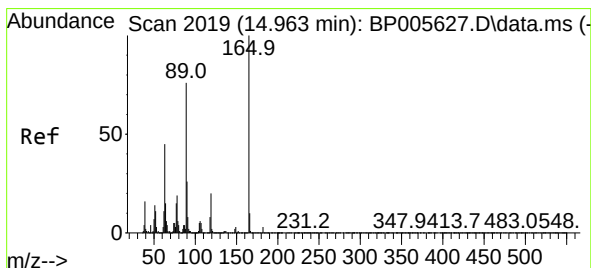
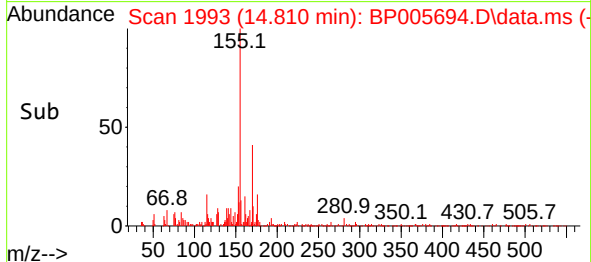
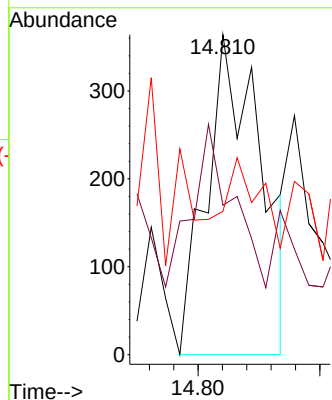
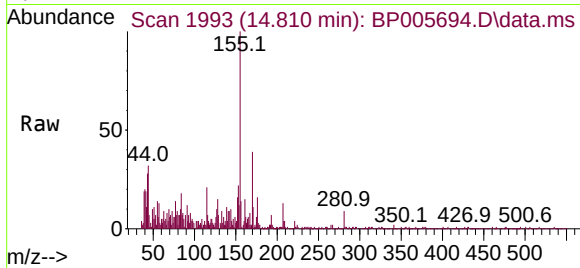




#56
4-Nitrophenol
Concen: 3.83 ng
RT: 14.810 min Scan# 1993
Delta R.T. 0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

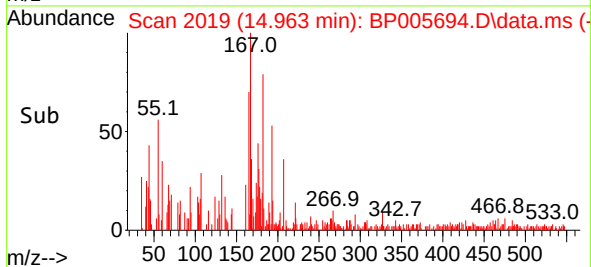
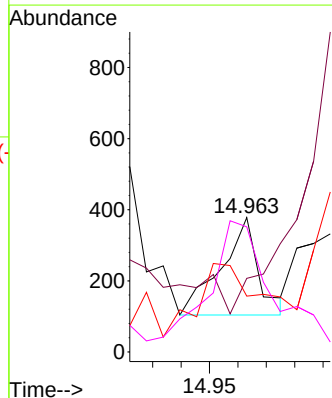
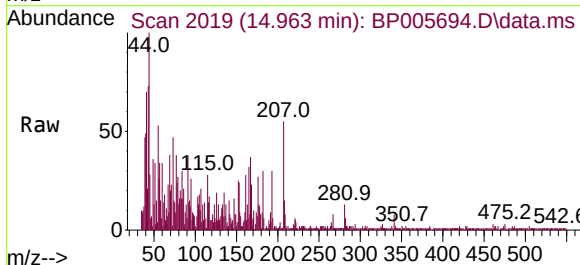
Instrument :
BNA_P
ClientSampled :
S-1

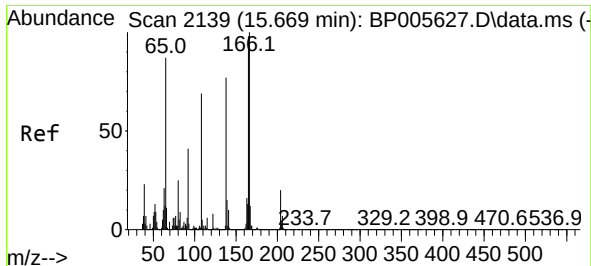
Tgt Ion:139 Resp: 567
Ion Ratio Lower Upper
139 100
109 46.7 122.8 162.8#
65 44.8 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 4.29 ng
RT: 14.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion:165 Resp: 252
Ion Ratio Lower Upper
165 100
63 54.8 56.7 85.1#
89 41.5 85.8 128.6#
182 93.1 3.0 4.6#

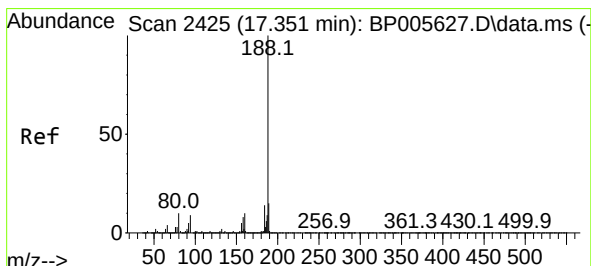
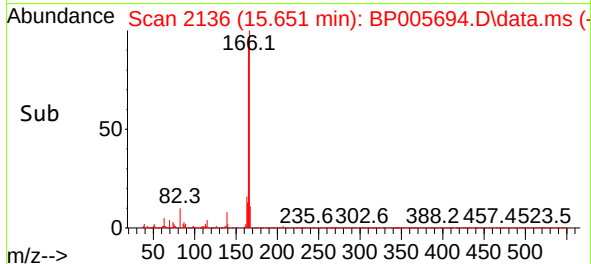
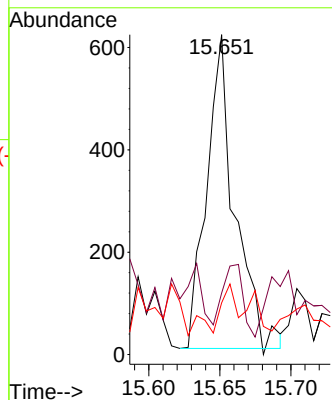
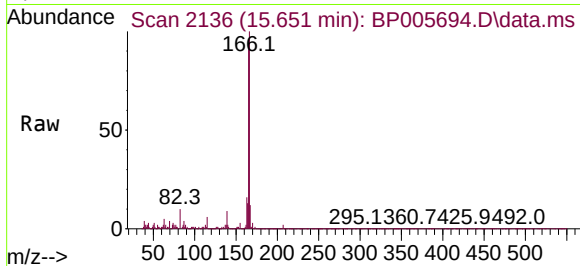




#62
4-Nitroaniline
Concen: 3.74 ng
RT: 15.651 min Scan# 2136
Delta R.T. -0.018 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

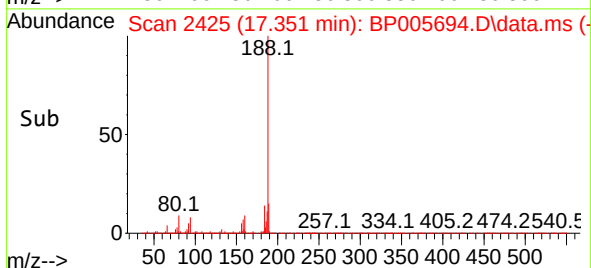
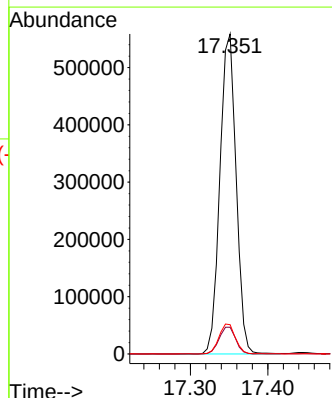
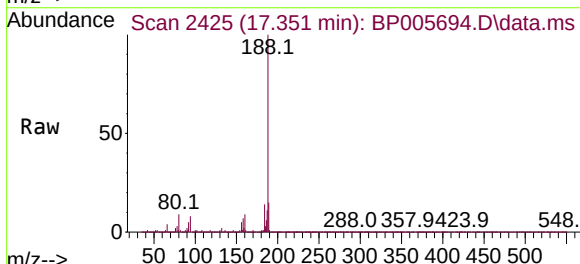
Instrument :
BNA_P
ClientSampled :
S-1

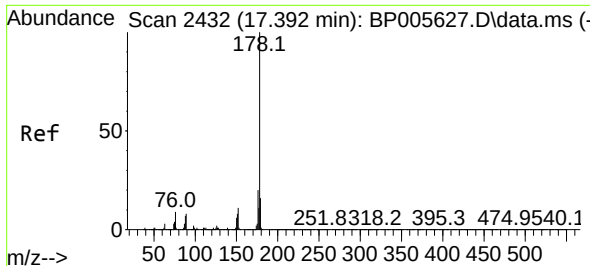
Tgt Ion:138 Resp: 842
Ion Ratio Lower Upper
138 100
92 19.2 50.9 90.9#
108 16.2 154.7 194.7#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion:188 Resp: 812087
Ion Ratio Lower Upper
188 100
94 8.3 5.0 7.6#
80 9.1 5.9 8.9#

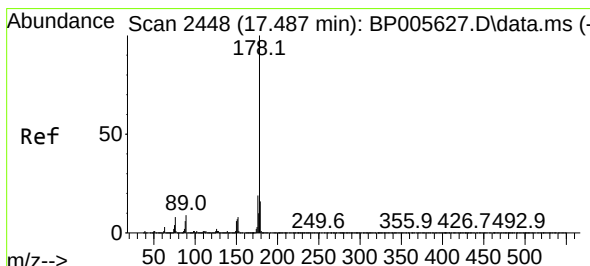
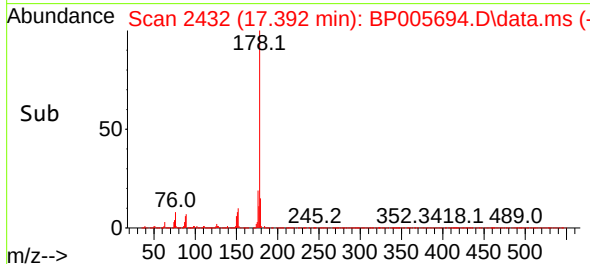
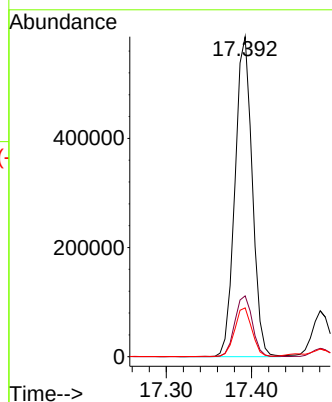
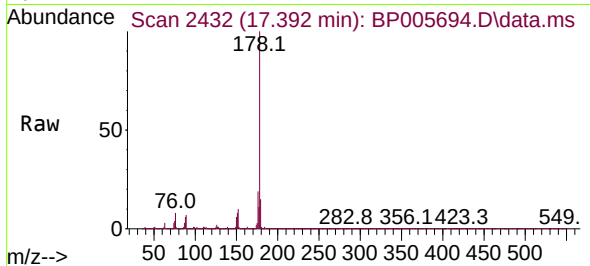




#71
Phenanthrene
Concen: 16.24 ng
RT: 17.392 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

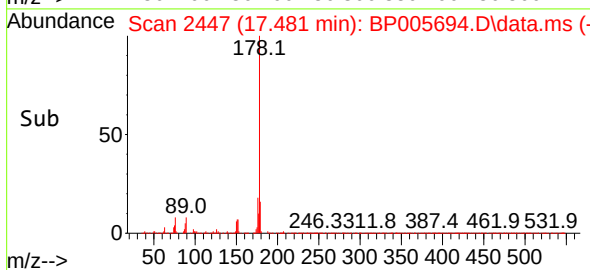
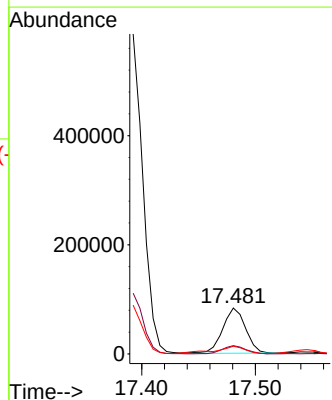
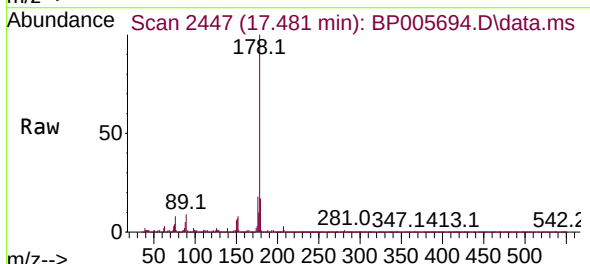
Instrument :
BNA_P
ClientSampled :
S-1

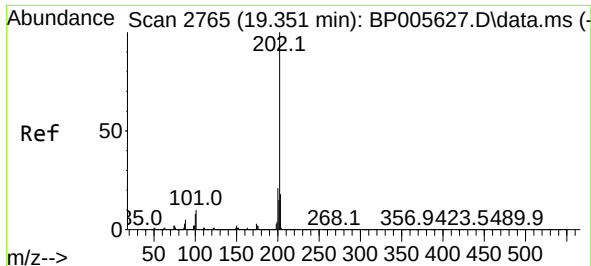
Tgt Ion:178 Resp: 821648
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.3 12.3 18.5



#72
Anthracene
Concen: 2.33 ng
RT: 17.481 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion:178 Resp: 116353
Ion Ratio Lower Upper
178 100
176 18.0 15.2 22.8
179 16.7 12.6 19.0

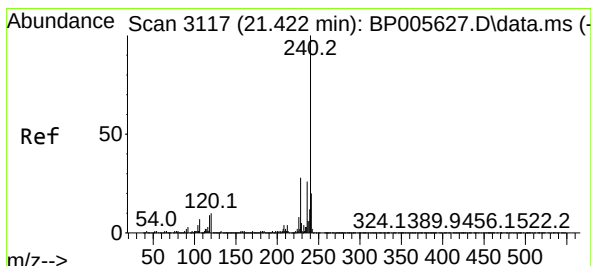
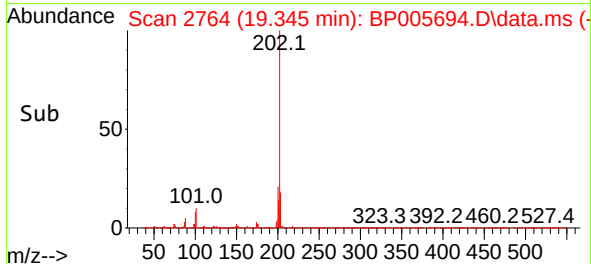
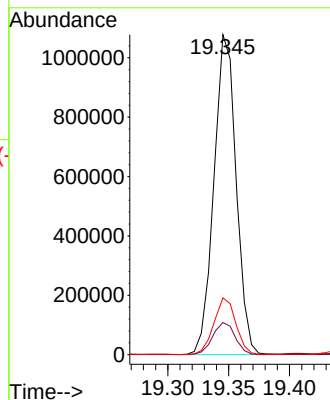
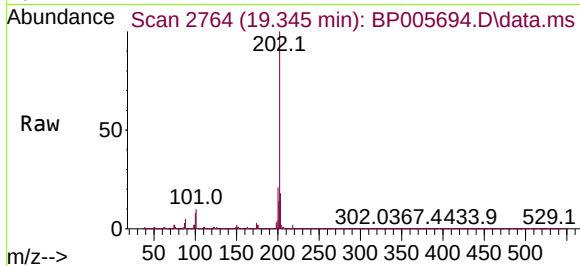




#75
Fluoranthene
Concen: 22.49 ng
RT: 19.345 min Scan# 2764
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

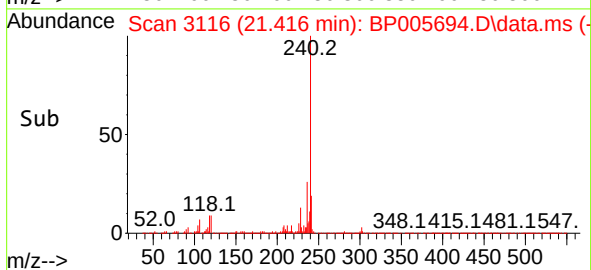
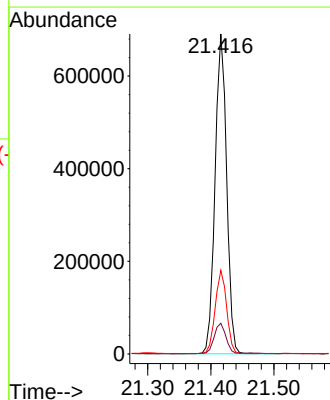
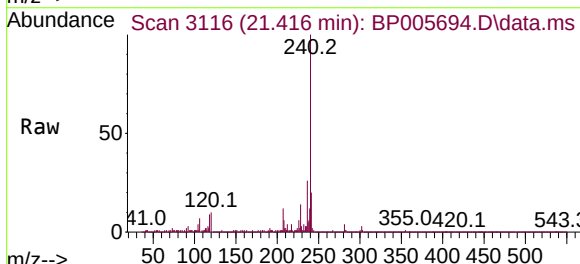
Instrument :
BNA_P
ClientSampled :
S-1

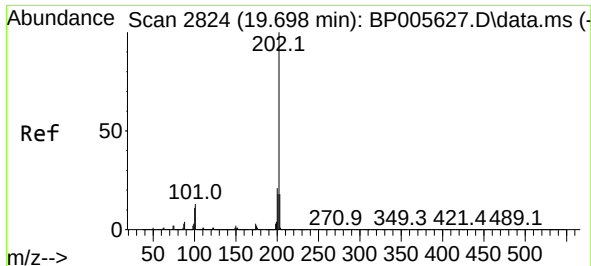
Tgt Ion:202 Resp: 1365615
Ion Ratio Lower Upper
202 100
101 10.1 0.0 26.1
203 17.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.416 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion:240 Resp: 877013
Ion Ratio Lower Upper
240 100
120 9.6 4.2 6.2#
236 26.1 20.2 30.2

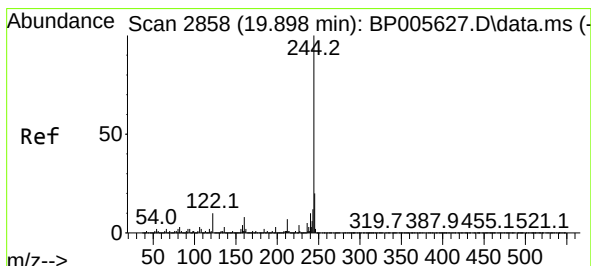
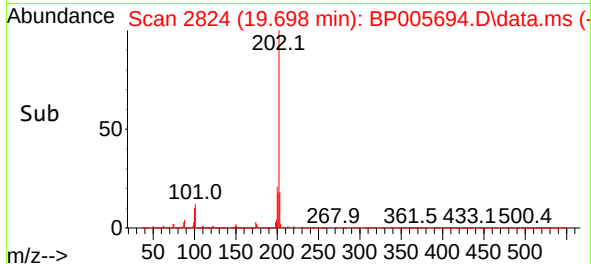
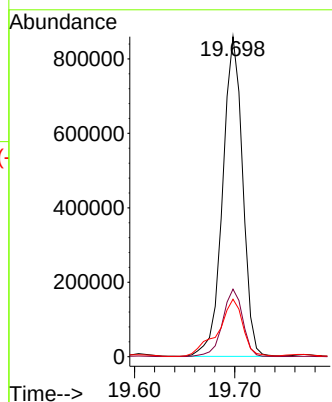
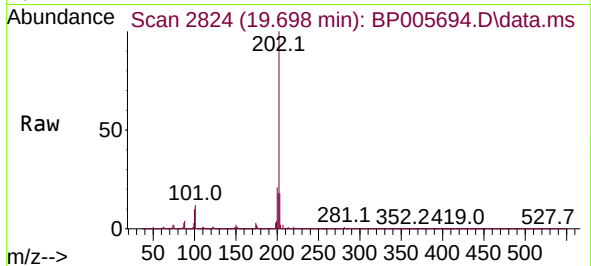




#78
Pyrene
Concen: 19.21 ng
RT: 19.698 min Scan# 2824
Delta R.T. -0.000 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

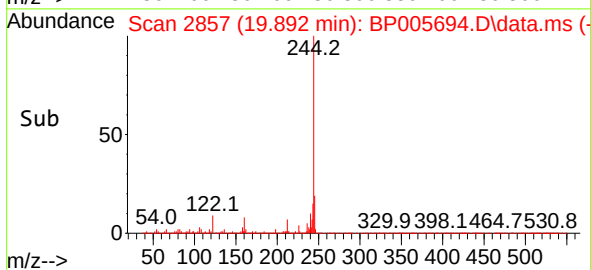
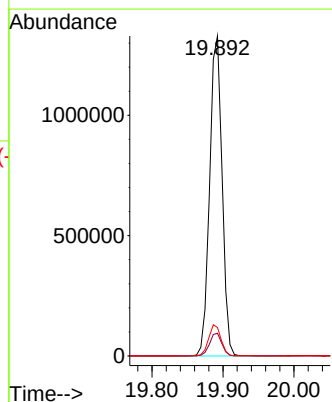
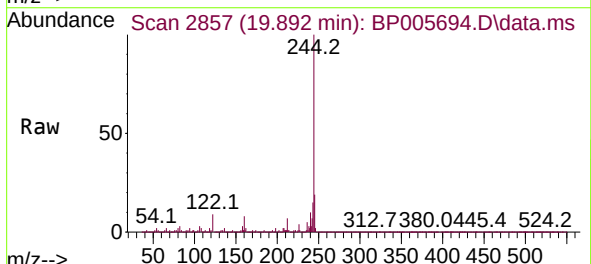
Instrument :
BNA_P
ClientSampled :
S-1

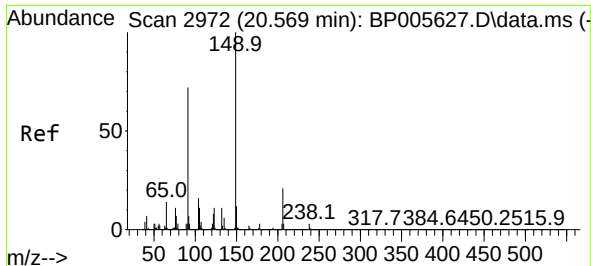
Tgt Ion:202 Resp: 1189037
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.9 13.8 20.6



#79
Terphenyl-d14
Concen: 34.69 ng
RT: 19.892 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion:244 Resp: 1621407
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 8.9 5.2 7.8#

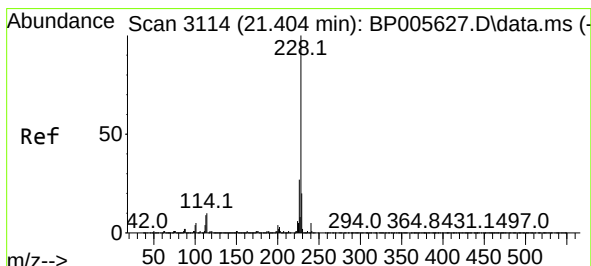
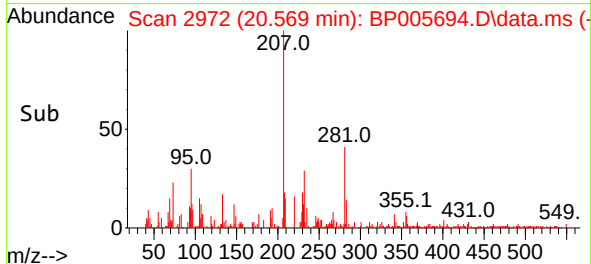
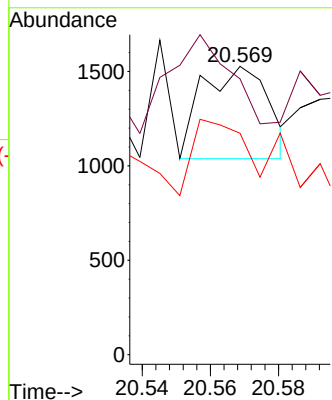
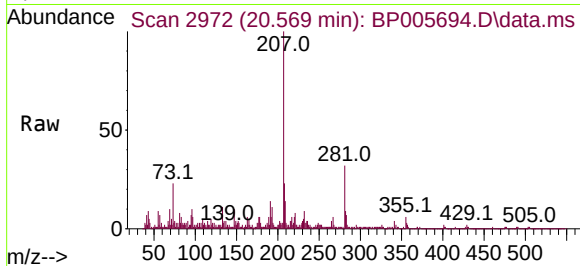




#80
Butylbenzylphthalate
Concen: 4.15 ng
RT: 20.569 min Scan# 2972
Delta R.T. -0.000 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

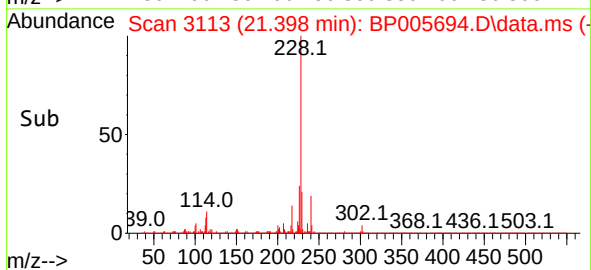
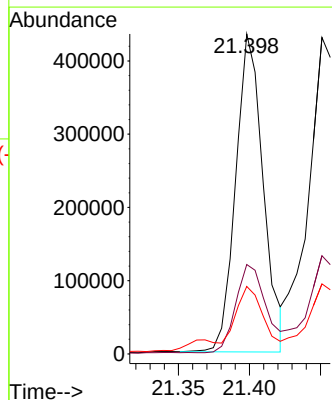
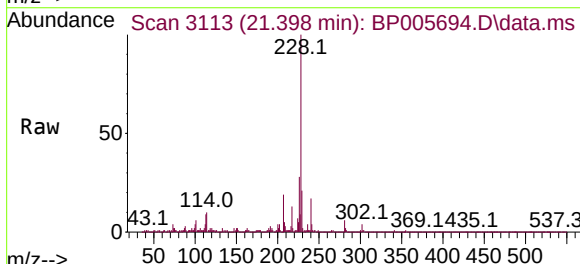
Instrument :
BNA_P
ClientSampled :
S-1

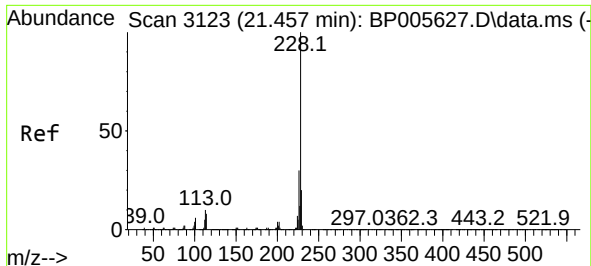
Tgt Ion:149 Resp: 661
Ion Ratio Lower Upper
149 100
91 95.7 60.2 90.4#
206 76.8 23.9 35.9#



#81
Benzo(a)anthracene
Concen: 9.09 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion:228 Resp: 585188
Ion Ratio Lower Upper
228 100
226 28.0 21.2 31.8
229 21.1 15.6 23.4

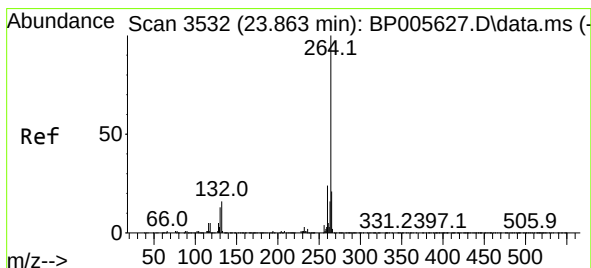
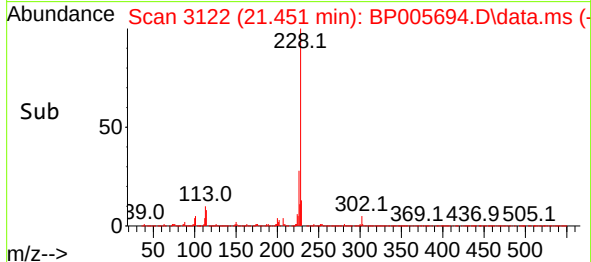
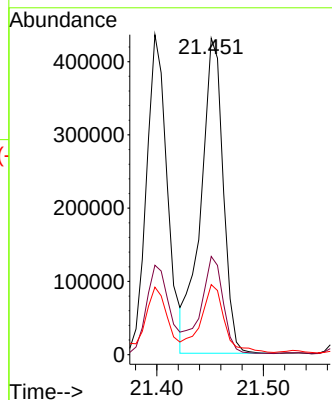
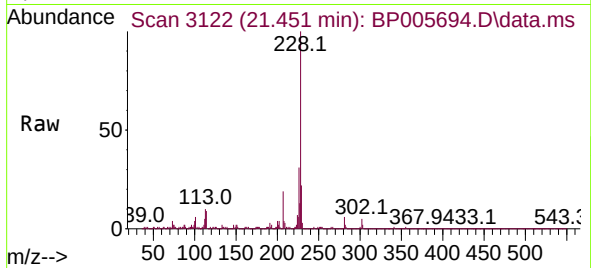




#83
Chrysene
Concen: 10.09 ng
RT: 21.451 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

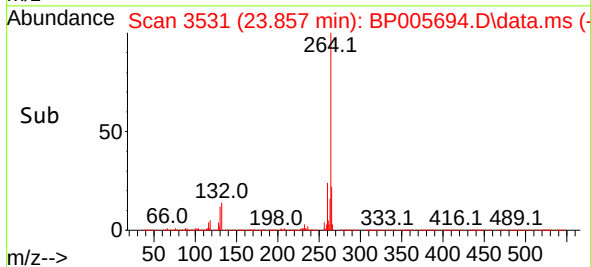
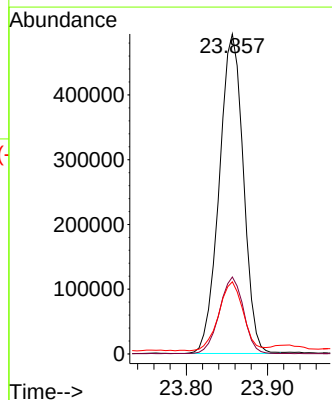
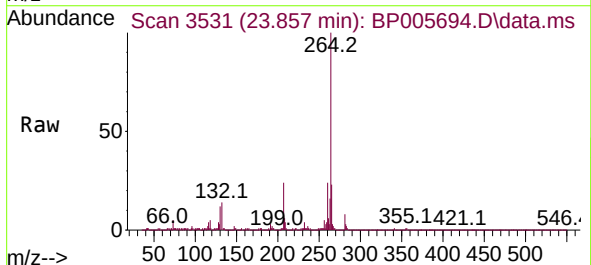
Instrument :
BNA_P
ClientSampled :
S-1

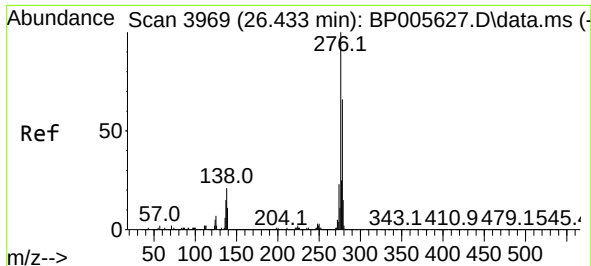
Tgt Ion:228 Resp: 628689
Ion Ratio Lower Upper
228 100
226 31.0 24.8 37.2
229 22.2 15.4 23.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.857 min Scan# 3531
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion:264 Resp: 1019269
Ion Ratio Lower Upper
264 100
260 24.0 20.6 30.8
265 22.6 19.0 28.6

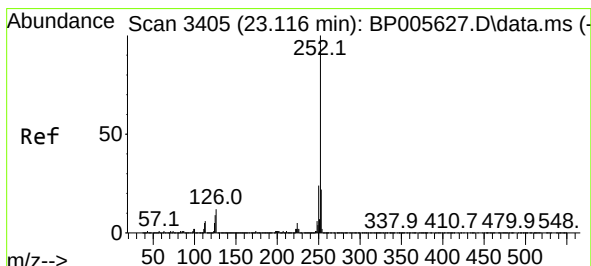
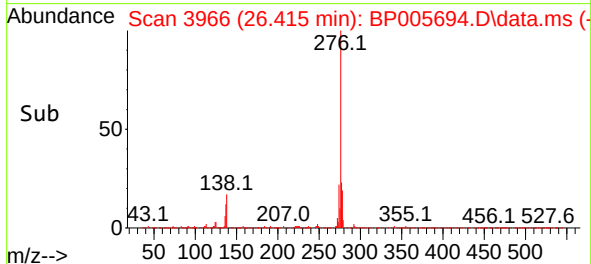
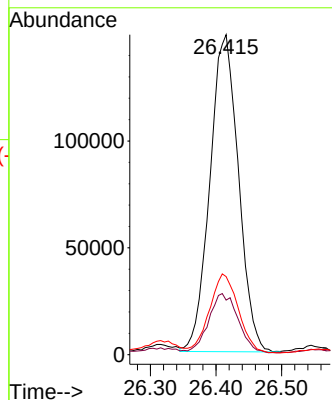
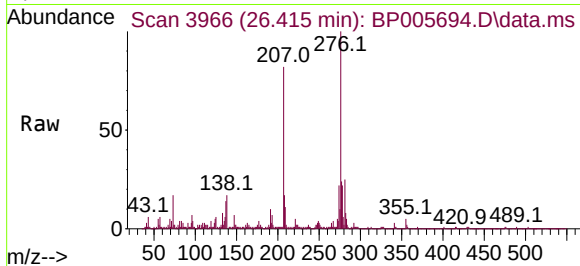




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.18 ng
RT: 26.415 min Scan# 3966
Delta R.T. -0.018 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

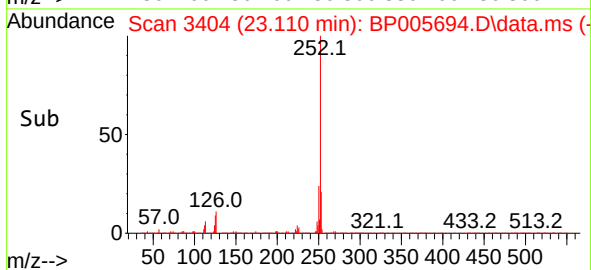
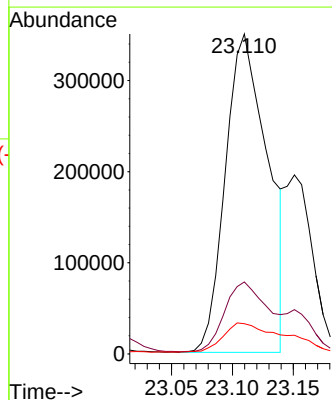
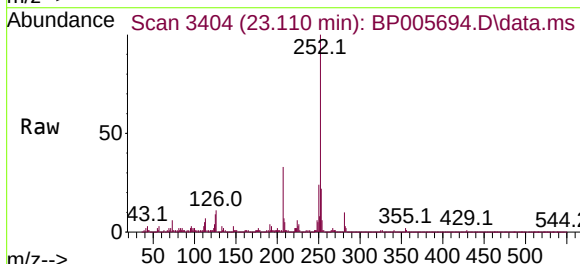
Instrument :
BNA_P
ClientSampled :
S-1

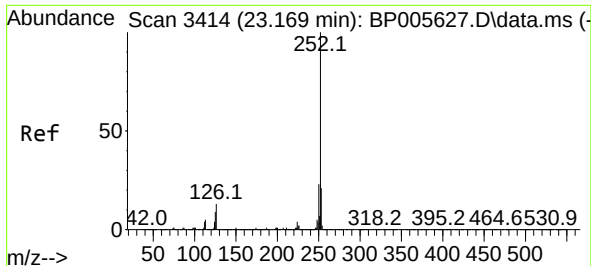
Tgt Ion:276 Resp: 449568
Ion Ratio Lower Upper
276 100
138 19.1 8.4 12.6#
277 25.2 20.6 31.0



#88
Benzo(b)fluoranthene
Concen: 11.41 ng
RT: 23.110 min Scan# 3404
Delta R.T. -0.006 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Tgt Ion:252 Resp: 843464
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 9.5 3.4 5.0#

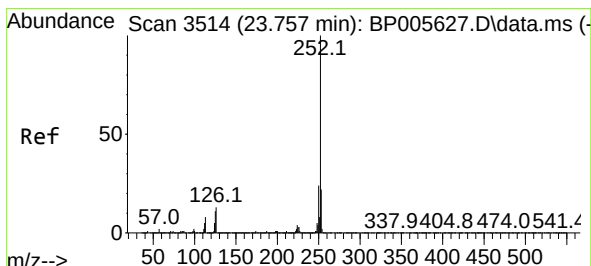
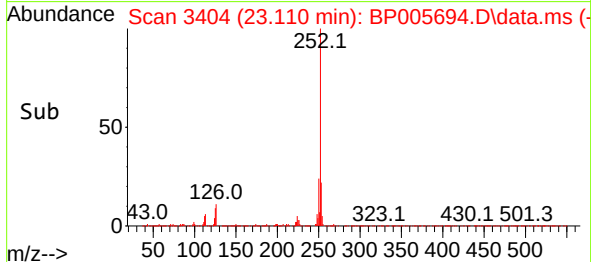
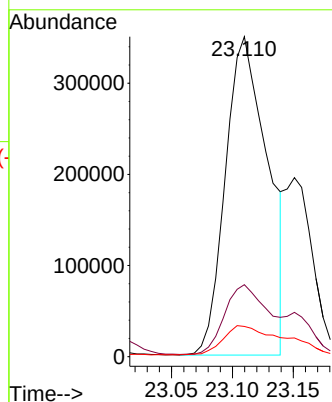
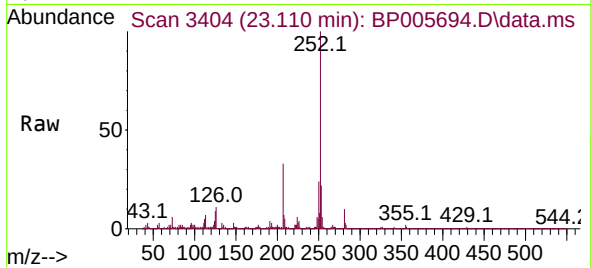




#89
Benzo(k)fluoranthene
Concen: 12.04 ng
RT: 23.110 min Scan# 3404
Delta R.T. -0.059 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

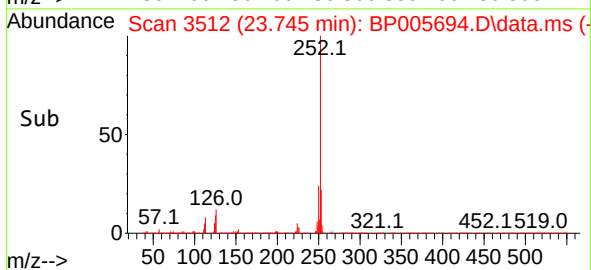
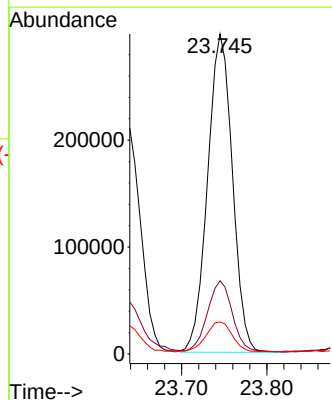
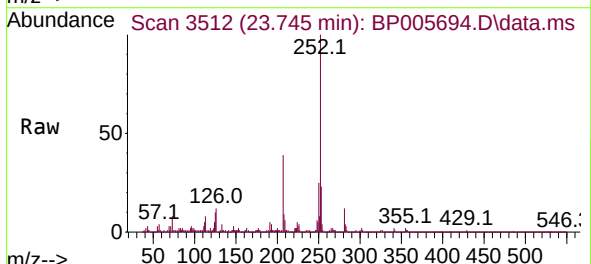
Instrument :
BNA_P
ClientSampled :
S-1

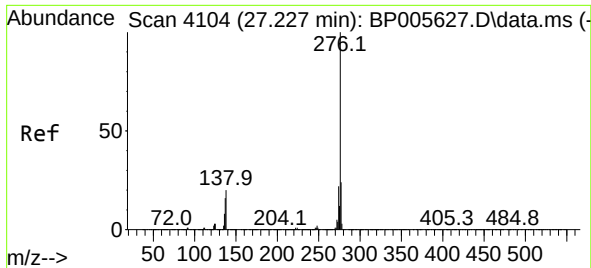
Tgt Ion:252 Resp: 843464
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 9.5 3.8 5.6#



#90
Benzo(a)pyrene
Concen: 8.94 ng
RT: 23.745 min Scan# 3512
Delta R.T. -0.012 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

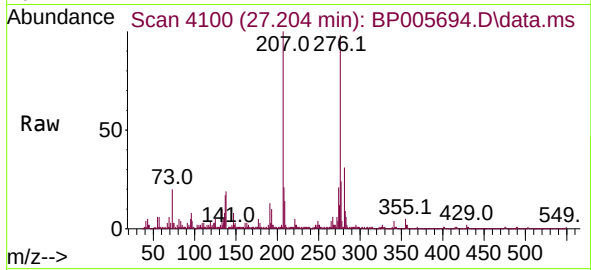
Tgt Ion:252 Resp: 601666
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 10.0 3.8 5.6#





#92
Benzo(g,h,i)perylene
Concen: 5.77 ng
RT: 27.204 min Scan# 4100
Delta R.T. -0.024 min
Lab File: BP005694.D
Acq: 03 Jun 2021 19:14

Instrument :
BNA_P
ClientSampleId :
S-1



Tgt Ion: 276 Resp: 419119
Ion Ratio Lower Upper
276 100
277 23.9 19.8 29.8
138 19.4 7.7 11.5#

