

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092521\
 Data File : BP007199.D
 Acq On : 25 Sep 2021 22:23
 Operator : CG/JU
 Sample : M3917-16DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 26 02:17:18 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 23 11:17:25 2021
 Response via : Initial Calibration

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

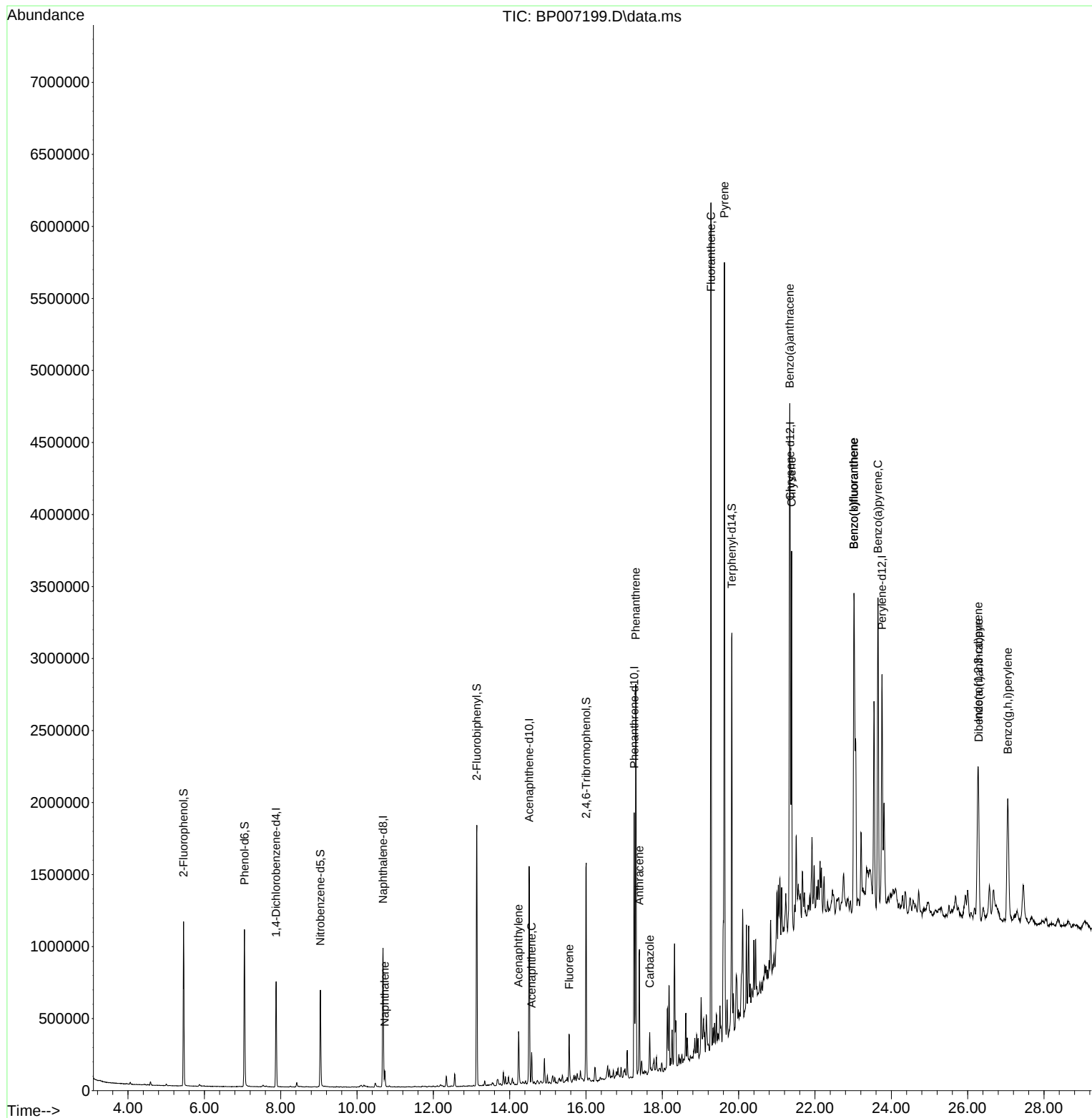
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	209827	20.000	ng	-0.01
21) Naphthalene-d8	10.681	136	838077	20.000	ng	#-0.01
39) Acenaphthene-d10	14.510	164	527979	20.000	ng	-0.02
64) Phenanthrene-d10	17.263	188	1092038	20.000	ng	#-0.01
76) Chrysene-d12	21.351	240	1054565	20.000	ng	0.00
86) Perylene-d12	23.757	264	1151229	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	528114	42.132	ng	0.00
7) Phenol-d6	7.052	99	676196	39.470	ng	-0.01
23) Nitrobenzene-d5	9.040	82	394954	27.445	ng	-0.02
42) 2,4,6-Tribromophenol	16.004	330	308973	45.139	ng	-0.01
45) 2-Fluorobiphenyl	13.140	172	988096	26.811	ng	-0.01
79) Terphenyl-d14	19.822	244	1316331	23.919	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.728	128	87256	2.040	ng	99
49) Acenaphthylene	14.234	152	290464	6.199	ng	99
52) Acenaphthene	14.575	154	78225	2.756	ng	99
58) Fluorene	15.557	166	159319	4.354	ng	99
71) Phenanthrene	17.304	178	1702774	29.080	ng	100
72) Anthracene	17.398	178	579666	10.120	ng	99
73) Carbazole	17.669	167	177451	3.161	ng	99
75) Fluoranthene	19.275	202	3393251	50.299	ng	98
78) Pyrene	19.627	202	3243554	46.880	ng	99
81) Benzo(a)anthracene	21.333	228	1624740	23.736	ng	97
83) Chrysene	21.386	228	1463459	22.370	ng	96
87) Indeno(1,2,3-cd)pyrene	26.274	276	1207331	14.593	ng	99
88) Benzo(b)fluoranthene	23.021	252	2238132	32.531	ng	# 97
89) Benzo(k)fluoranthene	23.021	252	2238132	32.130	ng	# 97
90) Benzo(a)pyrene	23.651	252	1698373	29.056	ng	# 98
91) Dibenzo(a,h)anthracene	26.286	278	292456	4.218	ng	# 85
92) Benzo(g,h,i)perylene	27.051	276	1203464	17.787	ng	97

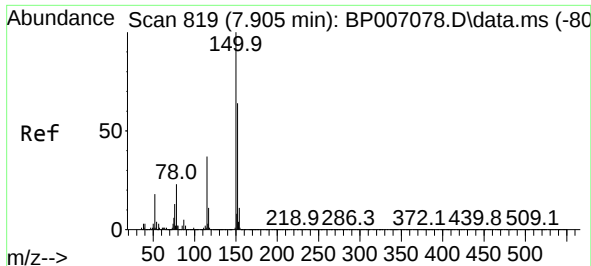
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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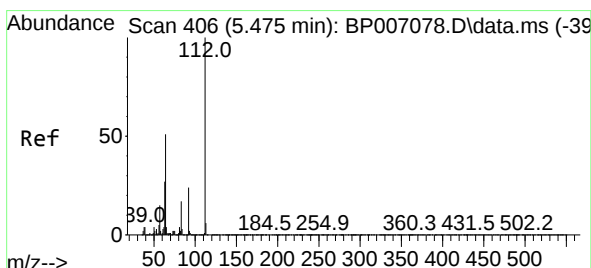
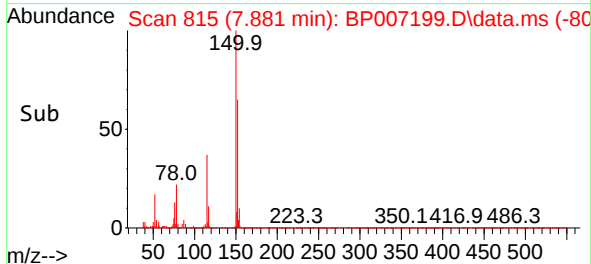
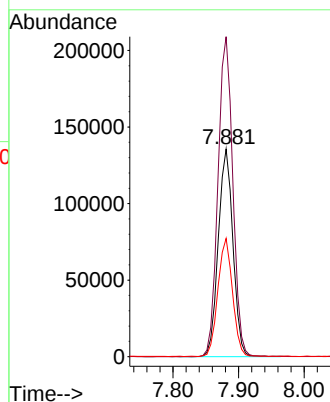
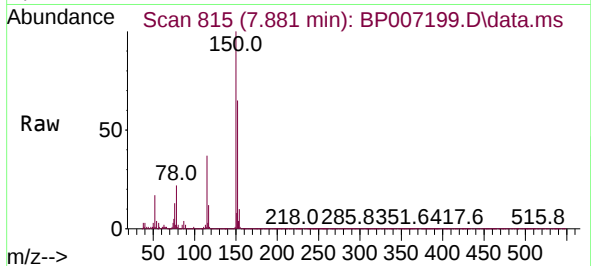




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 815
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

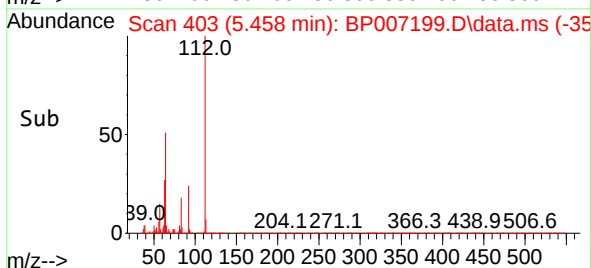
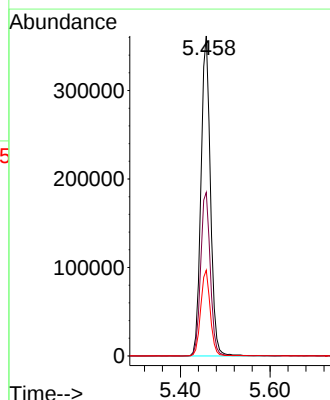
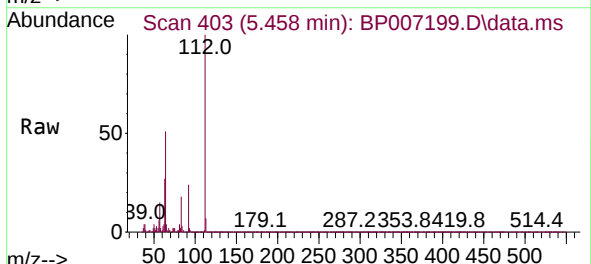
Instrument :
BNA_P
ClientSampleId :

Tgt Ion:152 Resp: 209827
Ion Ratio Lower Upper
152 100
150 154.1 125.6 188.4
115 57.0 48.5 72.7



#5
2-Fluorophenol
Concen: 42.132 ng
RT: 5.458 min Scan# 403
Delta R.T. -0.006 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Tgt Ion:112 Resp: 528114
Ion Ratio Lower Upper
112 100
64 51.1 41.4 62.2
63 26.8 23.8 35.8

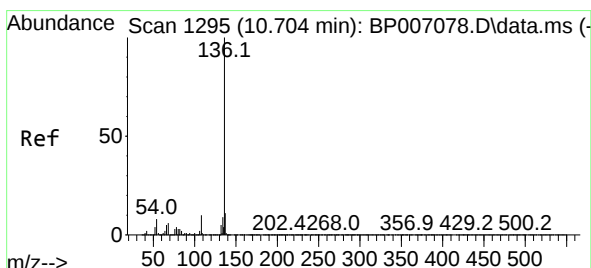
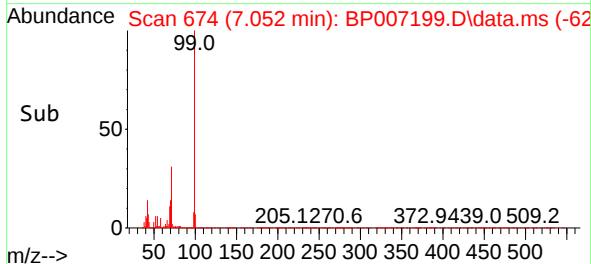
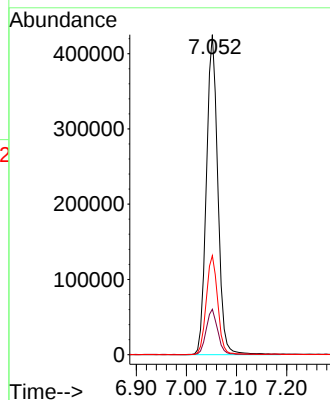
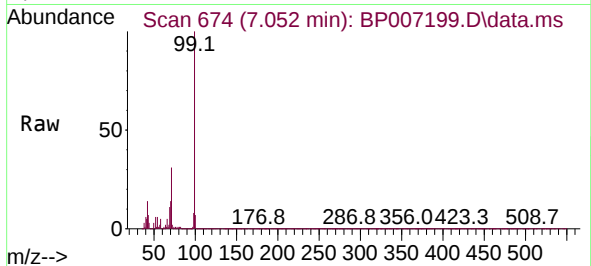




#7
Phenol-d6
Concen: 39.470 ng
RT: 7.052 min Scan# 674
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

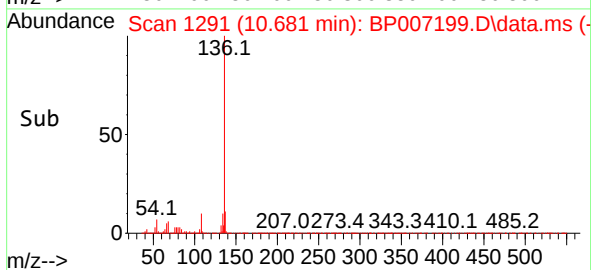
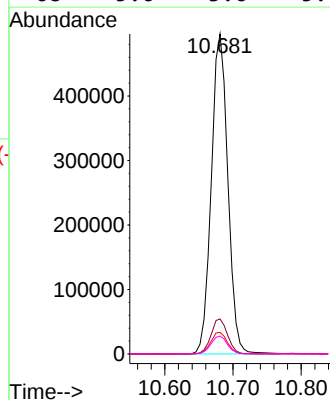
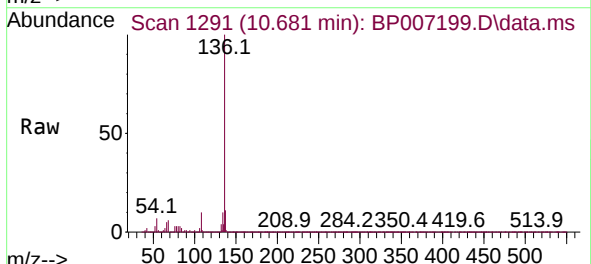
Instrument :
BNA_P
ClientSampled :

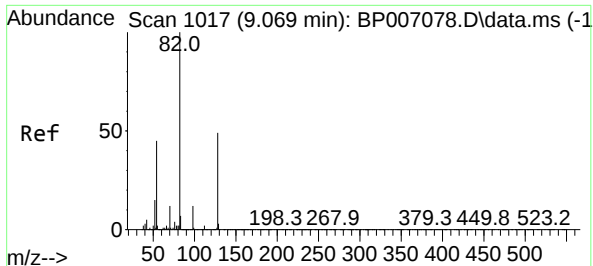
Tgt Ion: 99 Resp: 676196
Ion Ratio Lower Upper
99 100
42 14.2 13.4 20.0
71 31.0 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.681 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Tgt Ion: 136 Resp: 838077
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.8 4.6 6.8
68 5.6 3.6 5.4#

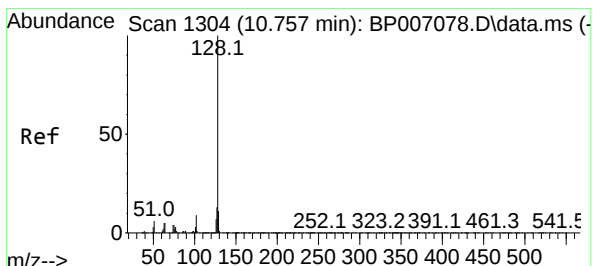
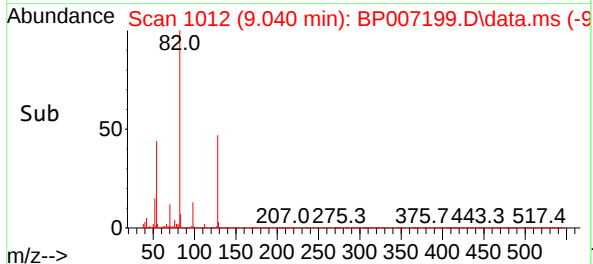
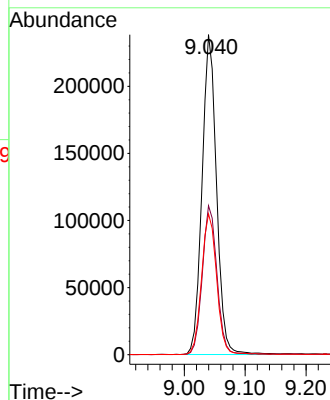
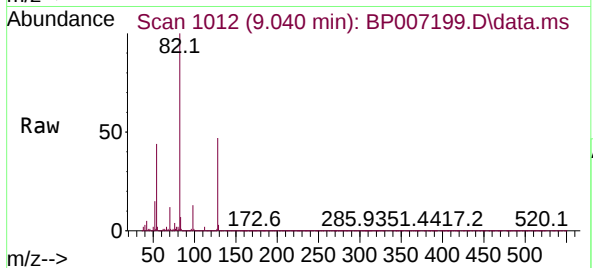




#23
Nitrobenzene-d5
Concen: 27.445 ng
RT: 9.040 min Scan# 1012
Delta R.T. -0.018 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

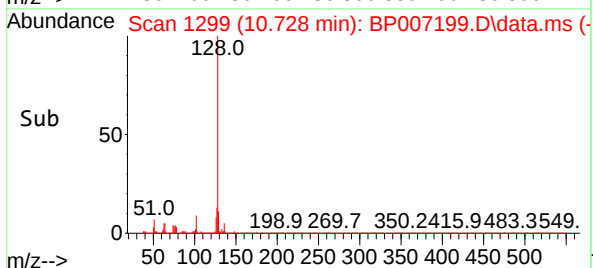
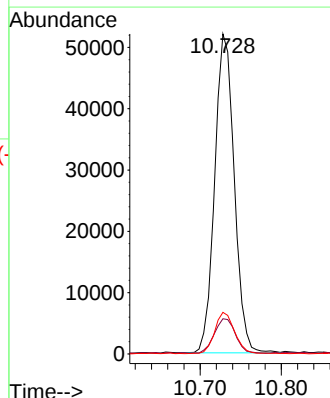
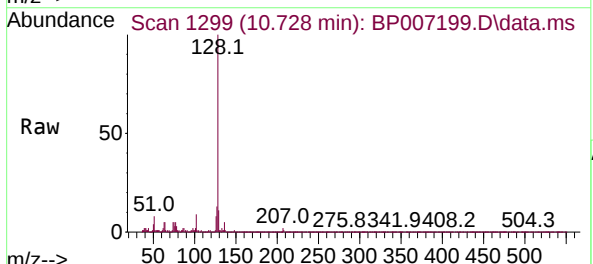
Instrument :
BNA_P
ClientSampleId :

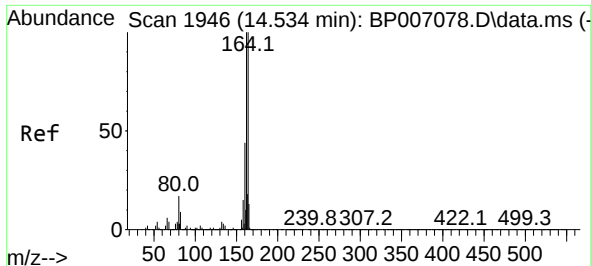
Tgt Ion: 82 Resp: 394954
Ion Ratio Lower Upper
82 100
128 46.6 35.7 53.5
54 44.0 35.0 52.4



#31
Naphthalene
Concen: 2.040 ng
RT: 10.728 min Scan# 1299
Delta R.T. -0.018 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Tgt Ion: 128 Resp: 87256
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.0 10.7 16.1

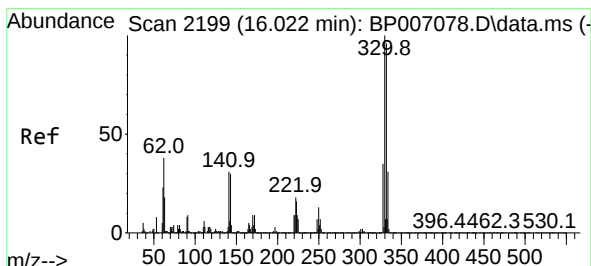
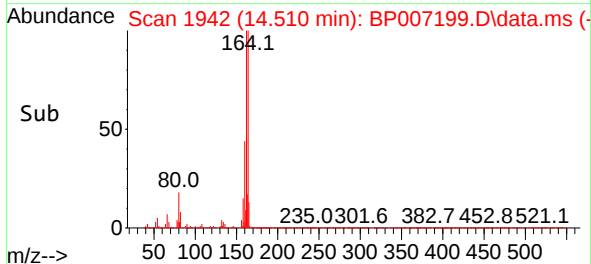
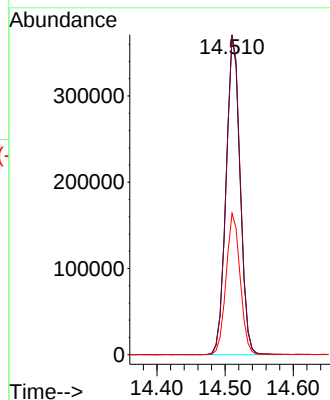
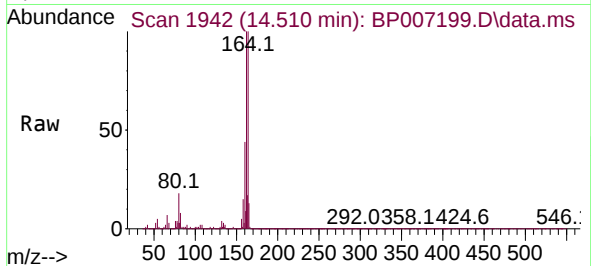




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

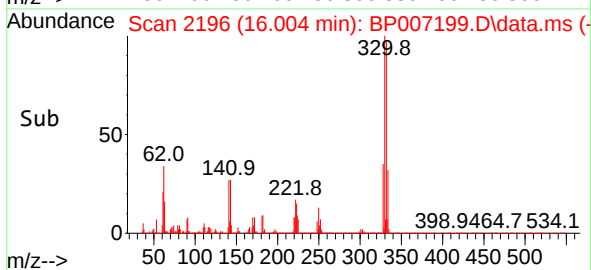
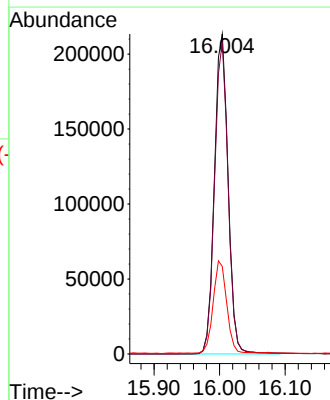
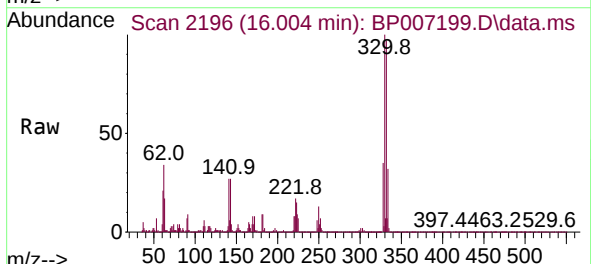
Instrument :
BNA_P
ClientSampleId :

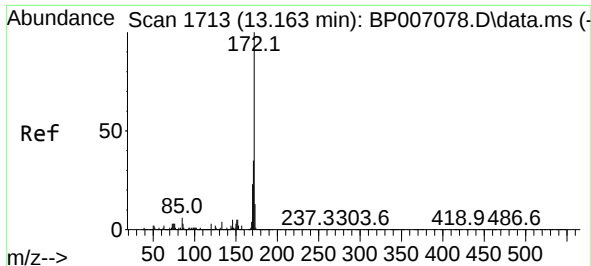
Tgt Ion:164 Resp: 527979
Ion Ratio Lower Upper
164 100
162 100.4 80.2 120.2
160 44.3 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 45.139 ng
RT: 16.004 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Tgt Ion:330 Resp: 308973
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.8
141 28.4 25.4 38.2

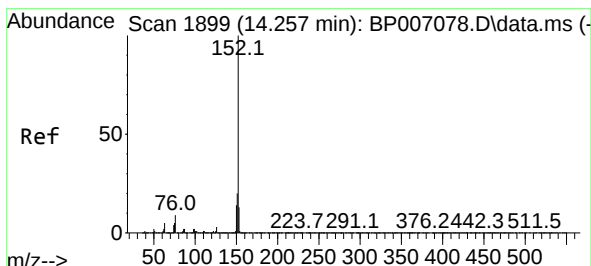
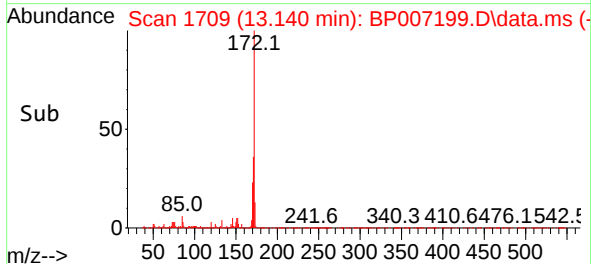
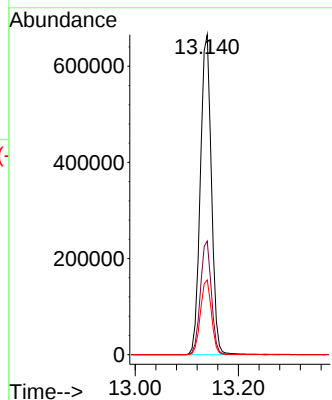
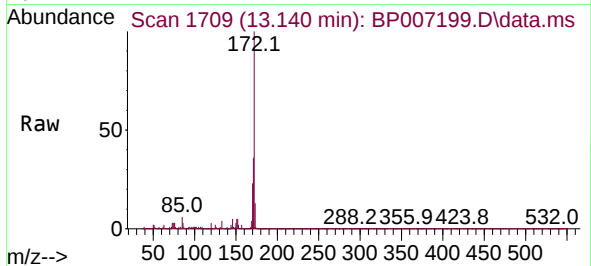




#45
2-Fluorobiphenyl
Concen: 26.811 ng
RT: 13.140 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

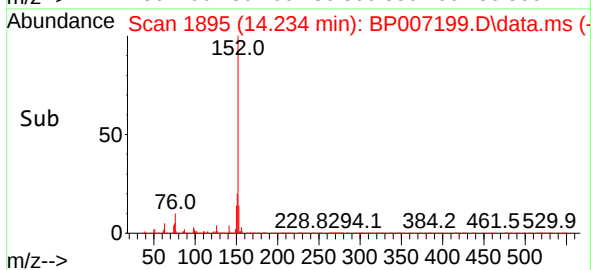
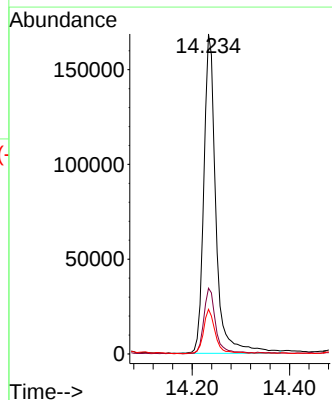
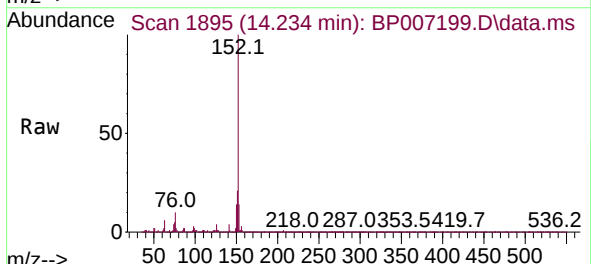
Instrument :
BNA_P
ClientSampleId :

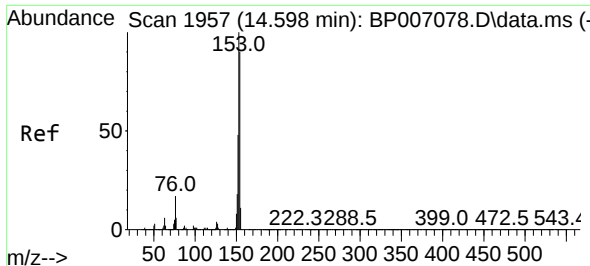
Tgt Ion:	172	Resp:	988096
Ion Ratio	Lower	Upper	
172	100		
171	35.5	27.9	41.9
170	23.4	18.6	27.8



#49
Acenaphthylene
Concen: 6.199 ng
RT: 14.234 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Tgt Ion:	152	Resp:	290464
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.2	24.2
153	13.9	10.6	16.0

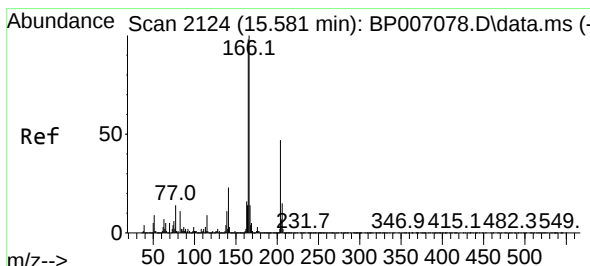
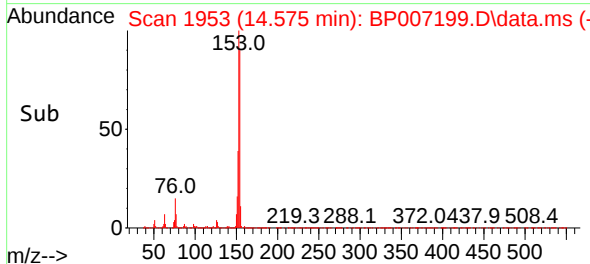
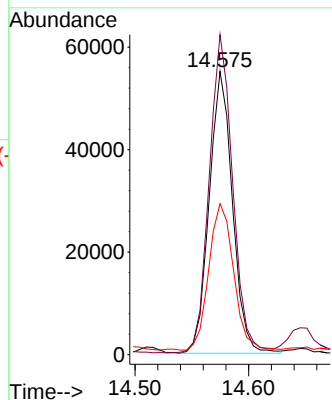
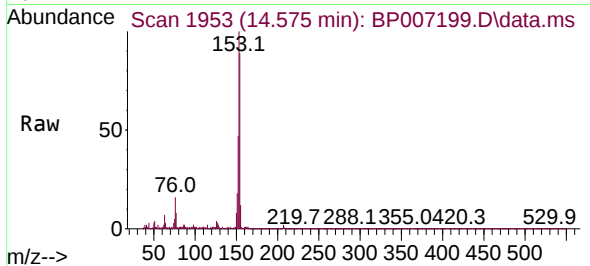




#52
Acenaphthene
Concen: 2.756 ng
RT: 14.575 min Scan# 1953
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

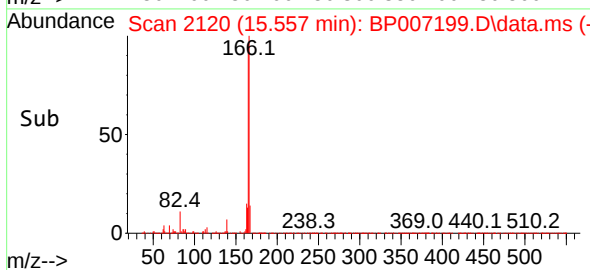
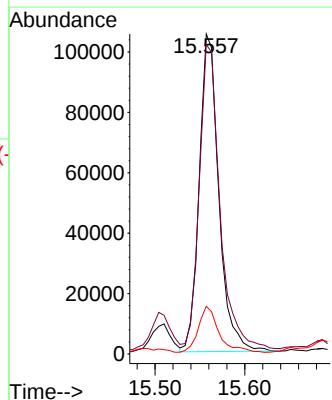
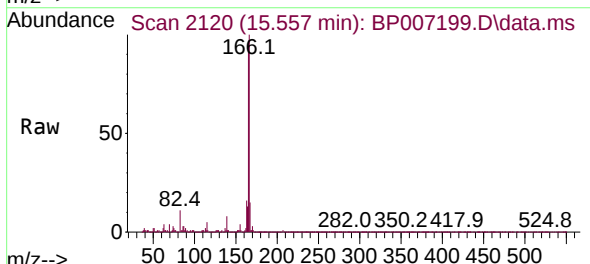
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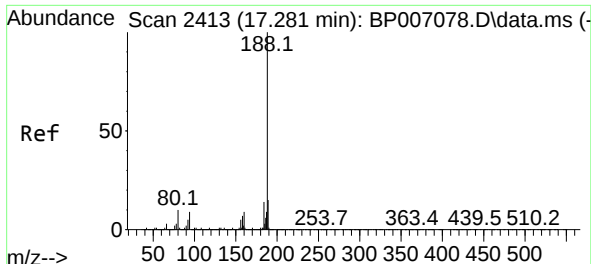
Tgt Ion:154 Resp: 78225
Ion Ratio Lower Upper
154 100
153 113.0 89.4 134.2
152 53.4 43.0 64.4



#58
Fluorene
Concen: 4.354 ng
RT: 15.557 min Scan# 2120
Delta R.T. -0.018 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Tgt Ion:166 Resp: 159319
Ion Ratio Lower Upper
166 100
165 96.7 78.0 117.0
167 14.9 10.5 15.7

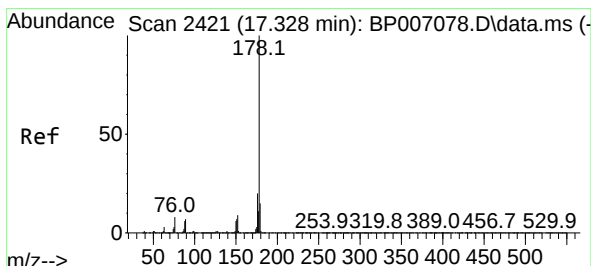
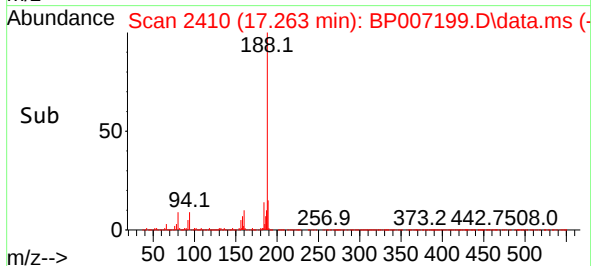
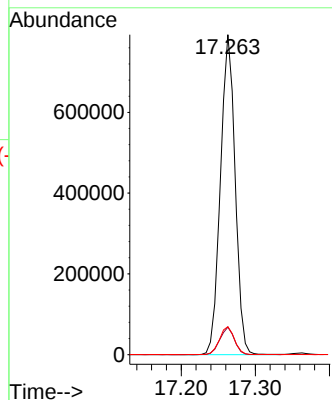
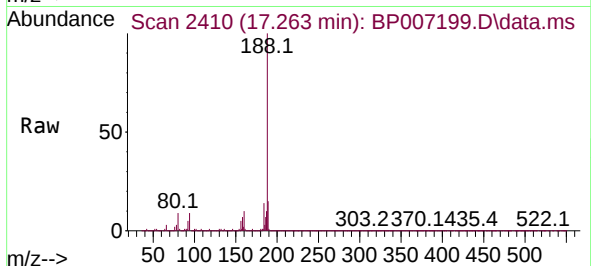




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2410
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

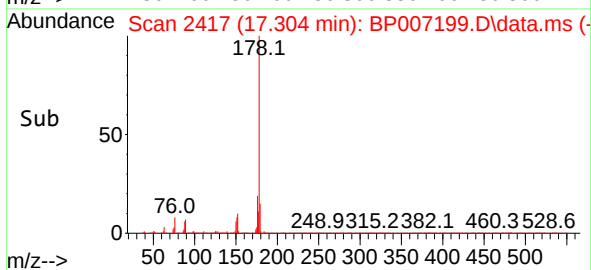
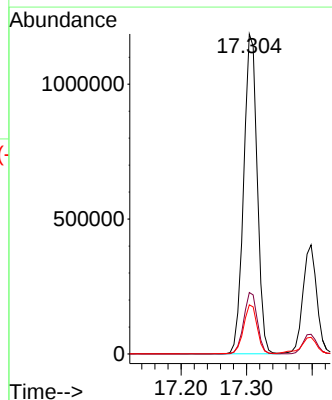
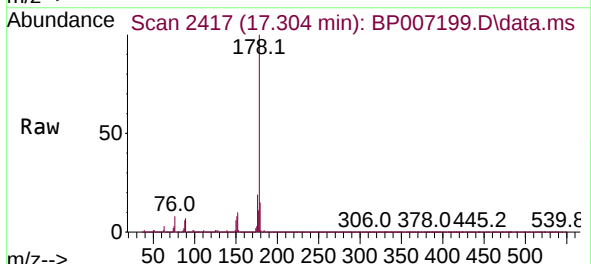
Instrument :
BNA_P
ClientSampled :

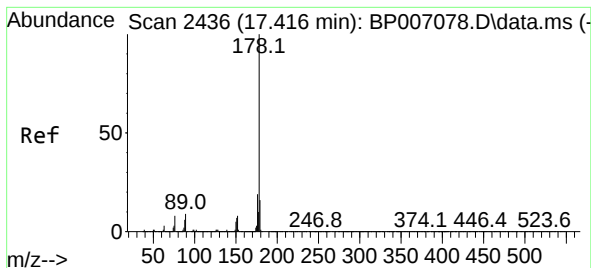
Tgt Ion:188 Resp: 1092038
Ion Ratio Lower Upper
188 100
94 8.6 5.6 8.4#
80 8.8 6.3 9.5



#71
Phenanthrene
Concen: 29.080 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Tgt Ion:178 Resp: 1702774
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.4 12.4 18.6

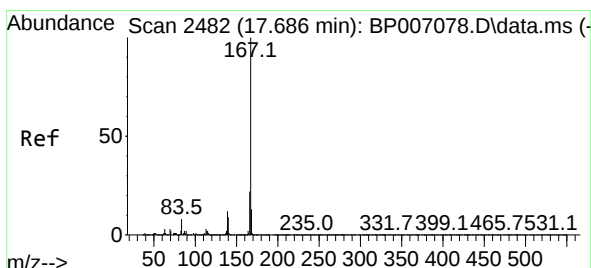
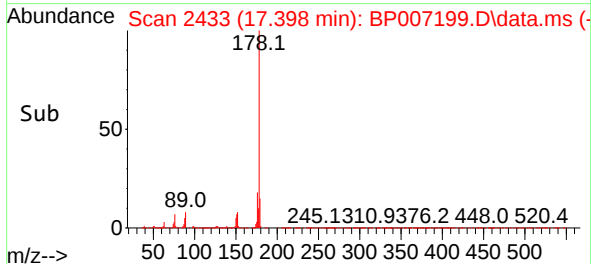
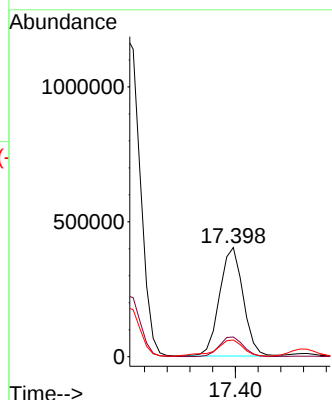
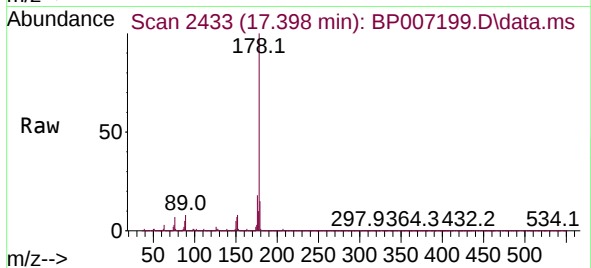




#72
 Anthracene
 Concen: 10.120 ng
 RT: 17.398 min Scan# 2433
 Delta R.T. -0.012 min
 Lab File: BP007199.D
 Acq: 25 Sep 2021 22:23

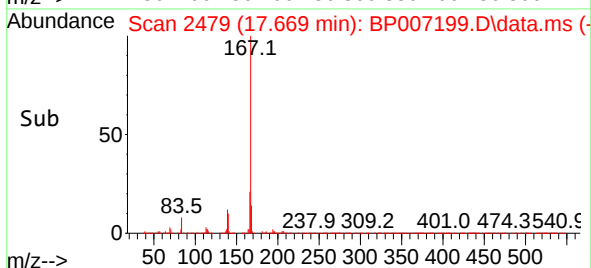
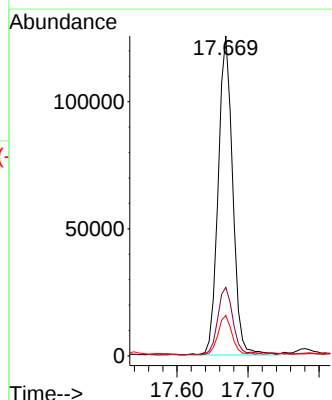
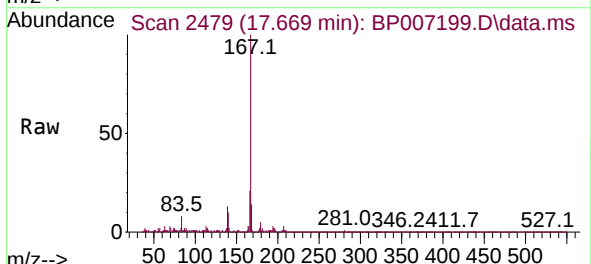
Instrument :
 BNA_P
 ClientSampleId :

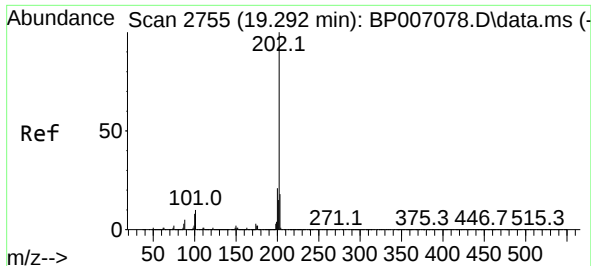
Tgt Ion:178 Resp: 579666
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.9 22.3
 179 15.2 12.2 18.2



#73
 Carbazole
 Concen: 3.161 ng
 RT: 17.669 min Scan# 2479
 Delta R.T. -0.012 min
 Lab File: BP007199.D
 Acq: 25 Sep 2021 22:23

Tgt Ion:167 Resp: 177451
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 12.7 10.7 16.1

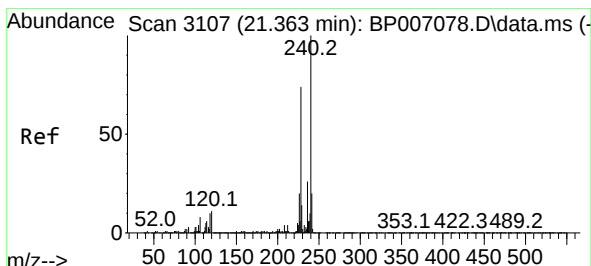
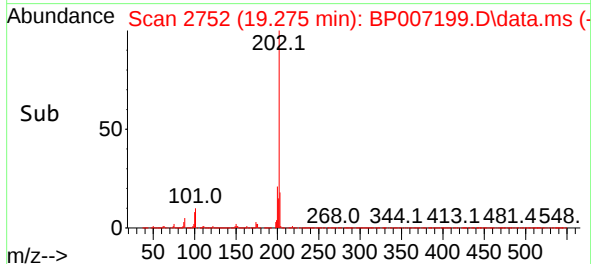
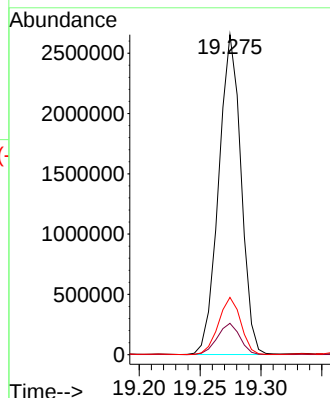
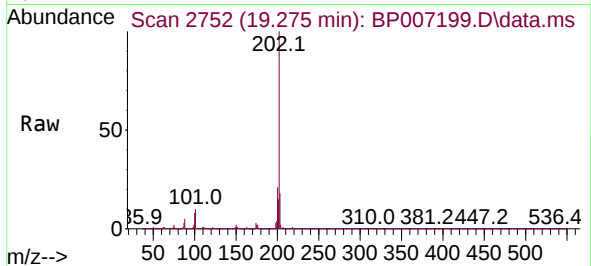




#75
Fluoranthene
Concen: 50.299 ng
RT: 19.275 min Scan# 2752
Delta R.T. -0.006 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

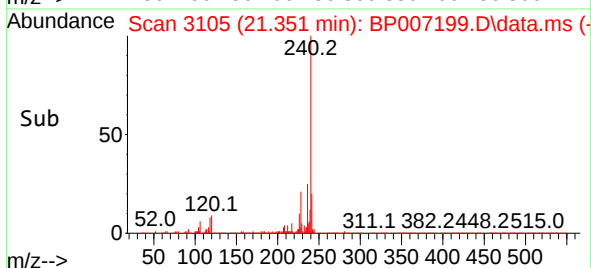
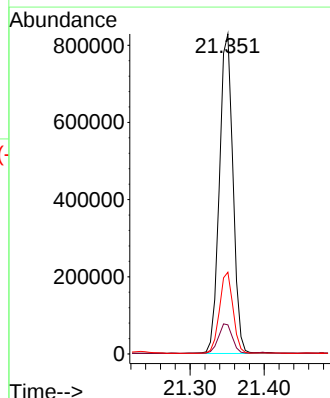
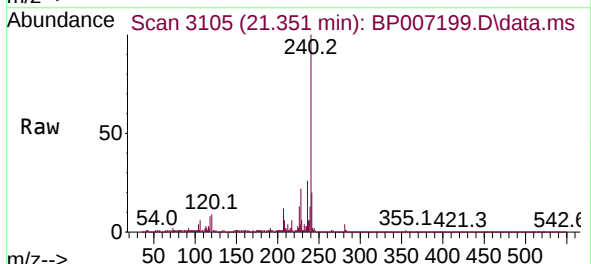
Instrument :
BNA_P
ClientSampleId :

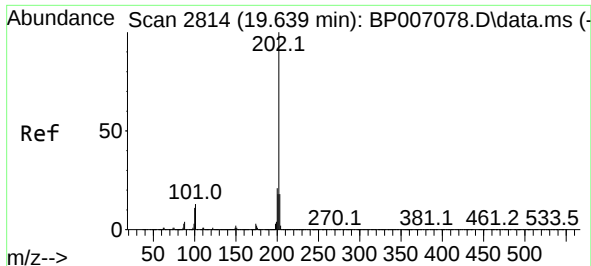
Tgt Ion:202 Resp: 3393251
Ion Ratio Lower Upper
202 100
101 9.8 0.0 27.6
203 17.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.351 min Scan# 3105
Delta R.T. -0.006 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Tgt Ion:240 Resp: 1054565
Ion Ratio Lower Upper
240 100
120 9.1 6.5 9.7
236 25.5 20.6 31.0

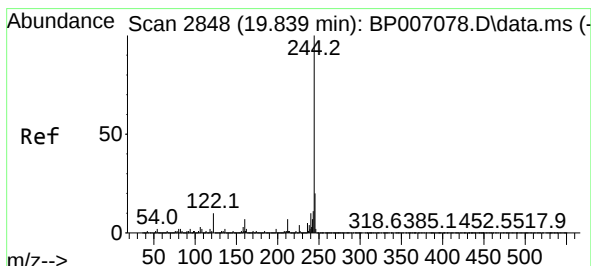
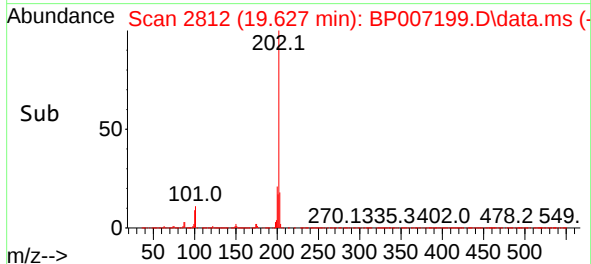
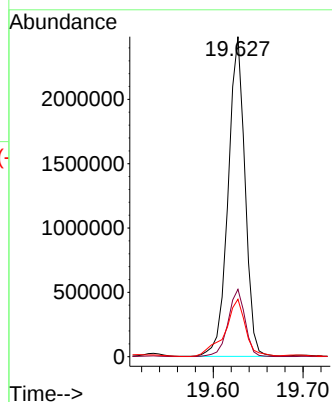
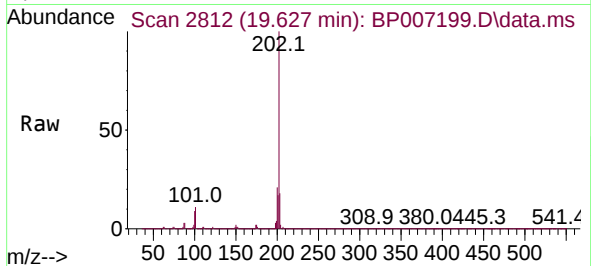




#78
Pyrene
Concen: 46.880 ng
RT: 19.627 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

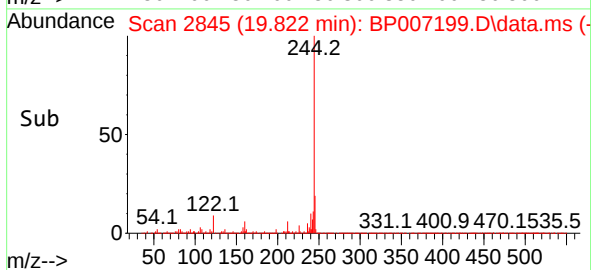
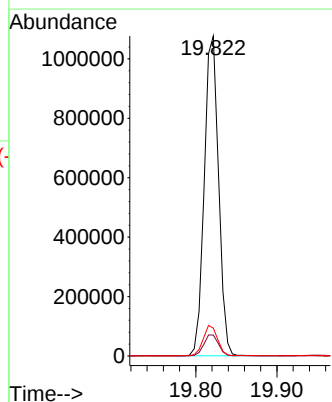
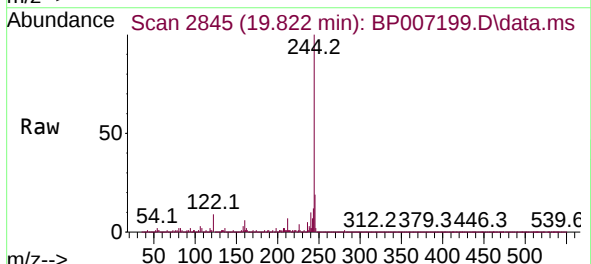
Instrument :
BNA_P
ClientSampled :

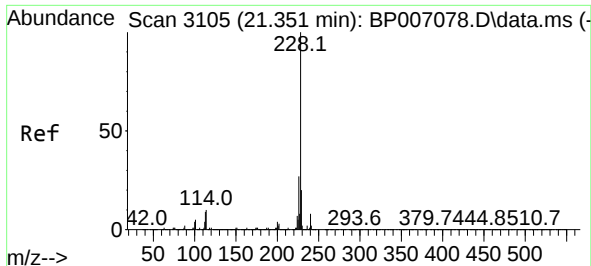
Tgt Ion:202 Resp: 3243554
Ion Ratio Lower Upper
202 100
200 21.1 16.3 24.5
203 17.9 14.2 21.2



#79
Terphenyl-d14
Concen: 23.919 ng
RT: 19.822 min Scan# 2845
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Tgt Ion:244 Resp: 1316331
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 8.7 7.1 10.7

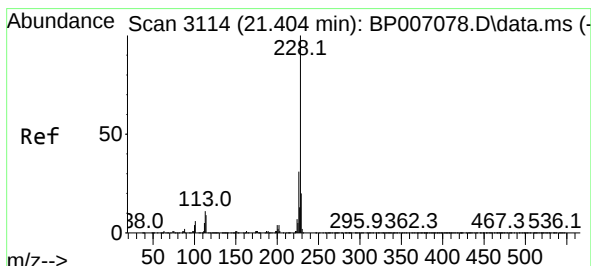
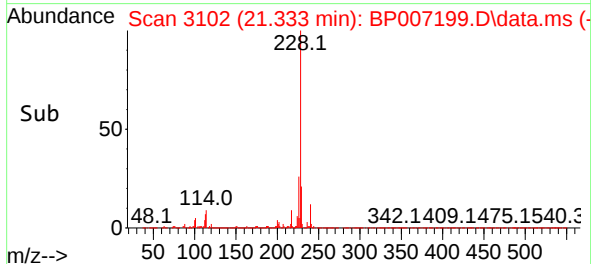
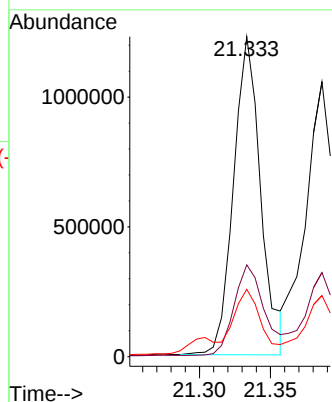
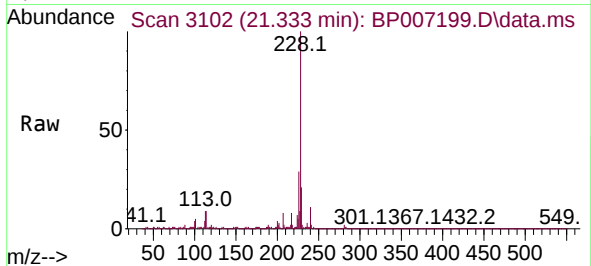




#81
Benzo(a)anthracene
Concen: 23.736 ng
RT: 21.333 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

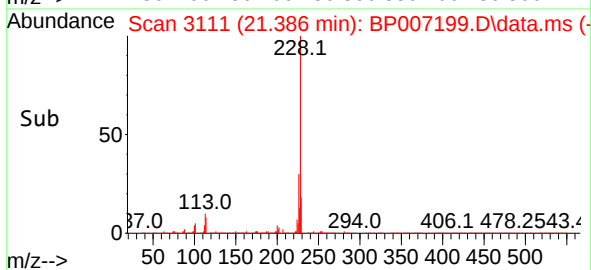
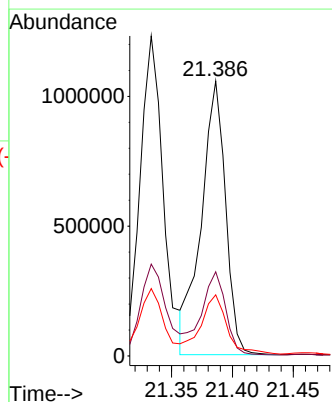
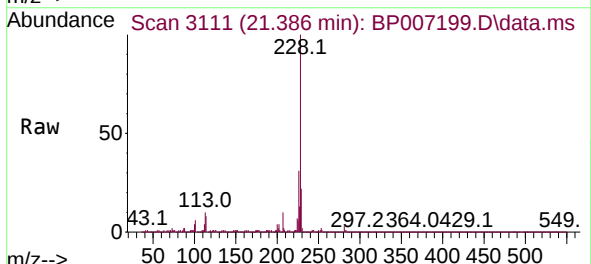
Instrument :
BNA_P
ClientSampleId :

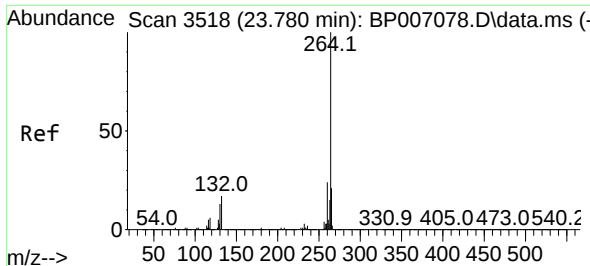
Tgt Ion:228 Resp: 1624740
Ion Ratio Lower Upper
228 100
226 28.7 21.6 32.4
229 21.1 15.8 23.6



#83
Chrysene
Concen: 22.370 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Tgt Ion:228 Resp: 1463459
Ion Ratio Lower Upper
228 100
226 30.6 23.8 35.6
229 22.2 15.4 23.2



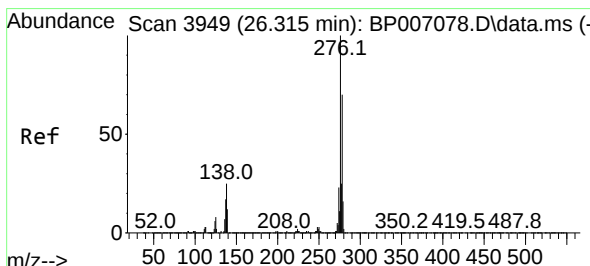
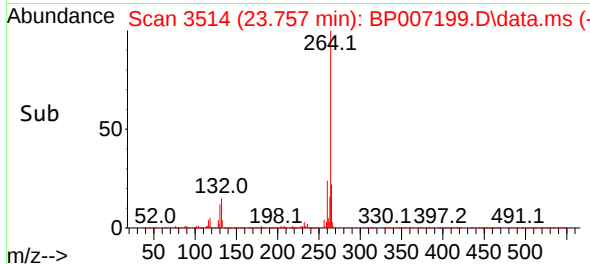
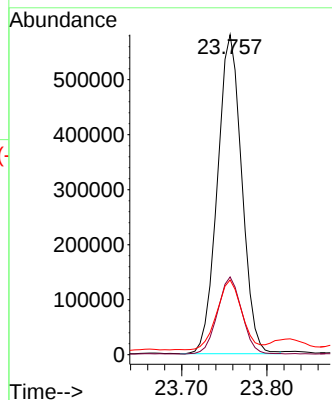
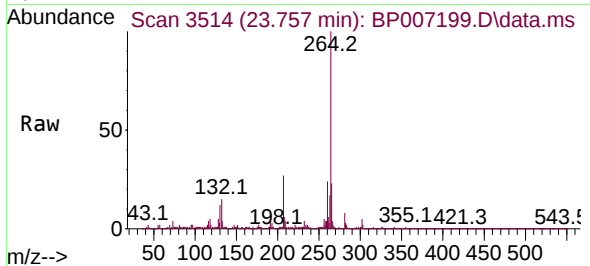


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.757 min Scan# 3514
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Instrument :
BNA_P
ClientSampled :

Tgt Ion:264 Resp: 1151229

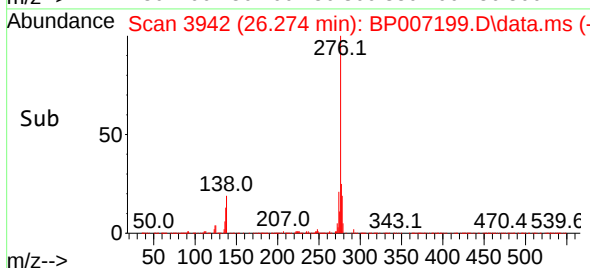
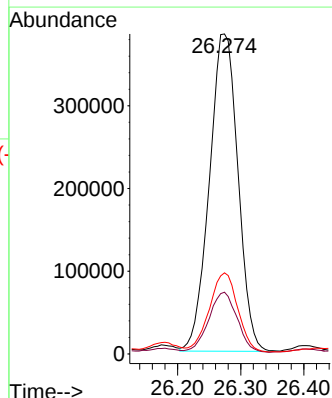
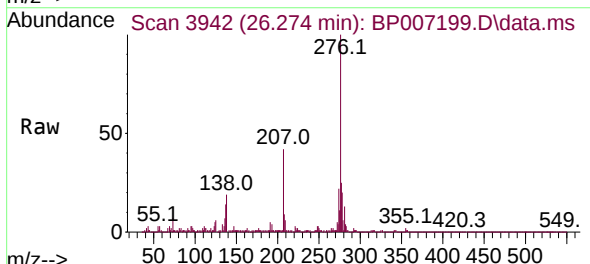
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	28.0
265	23.4	17.6	26.4

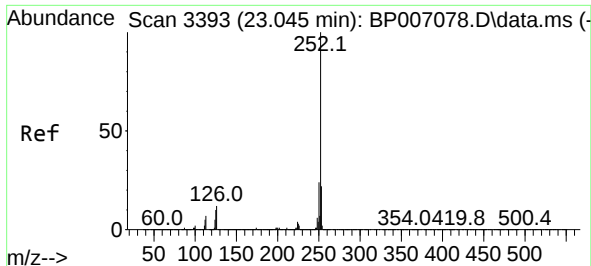


#87
Indeno(1,2,3-cd)pyrene
Concen: 14.593 ng
RT: 26.274 min Scan# 3942
Delta R.T. -0.029 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Tgt Ion:276 Resp: 1207331

Ion	Ratio	Lower	Upper
276	100		
138	18.8	15.3	22.9
277	24.9	20.4	30.6

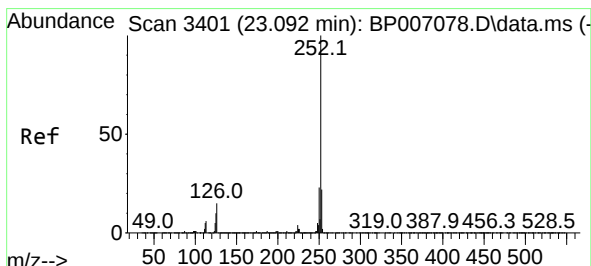
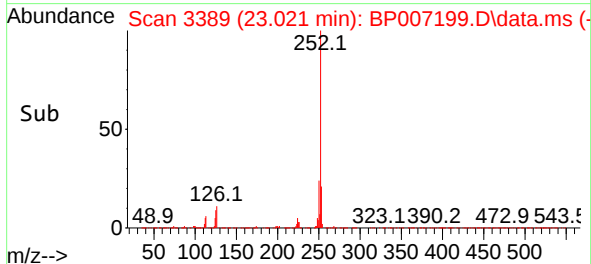
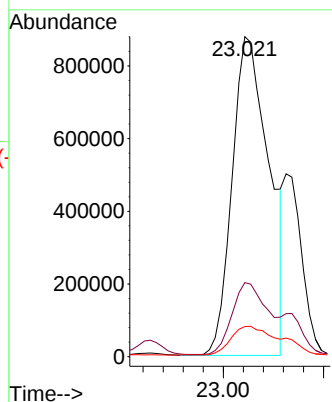
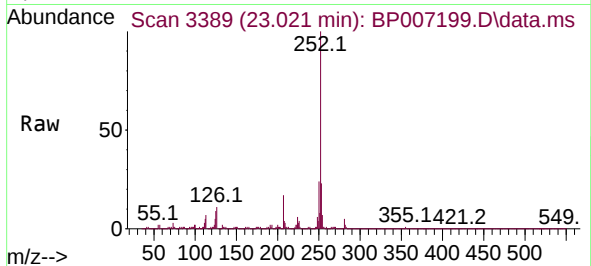




#88
Benzo(b)fluoranthene
Concen: 32.531 ng
RT: 23.021 min Scan# 3389
Delta R.T. -0.012 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

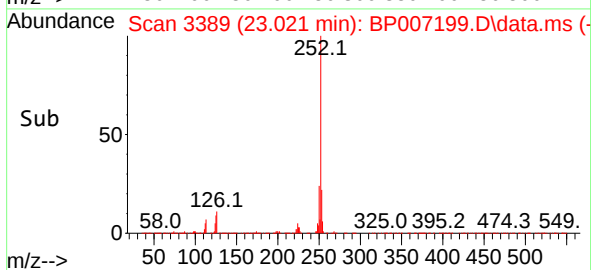
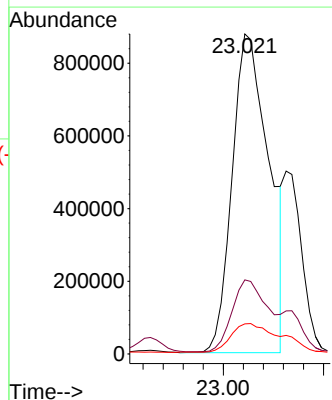
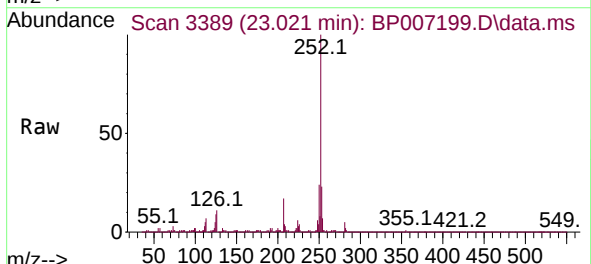
Instrument :
BNA_P
ClientSampleId :

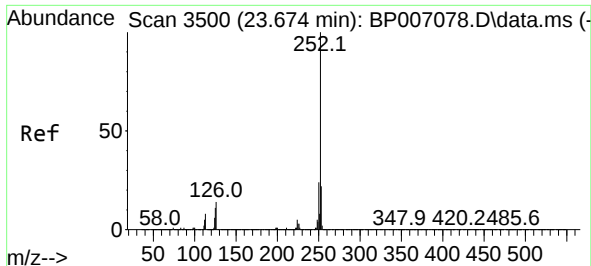
Tgt Ion:252 Resp: 2238132
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 9.4 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 32.130 ng
RT: 23.021 min Scan# 3389
Delta R.T. -0.065 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

Tgt Ion:252 Resp: 2238132
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 9.4 6.0 9.0#

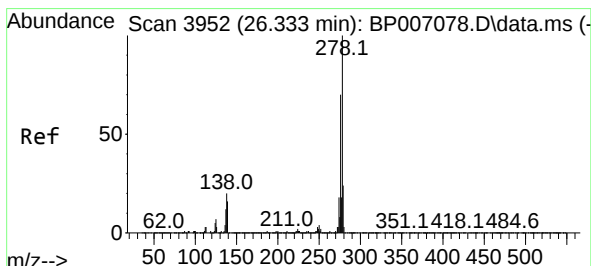
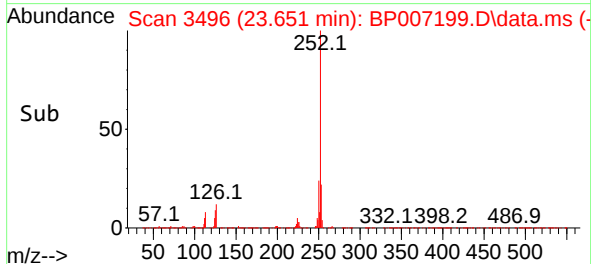
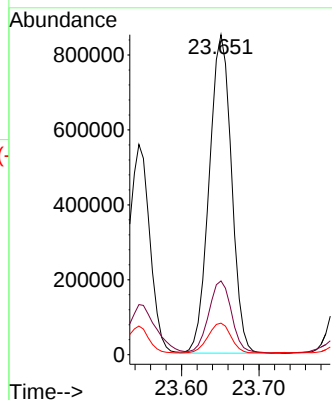
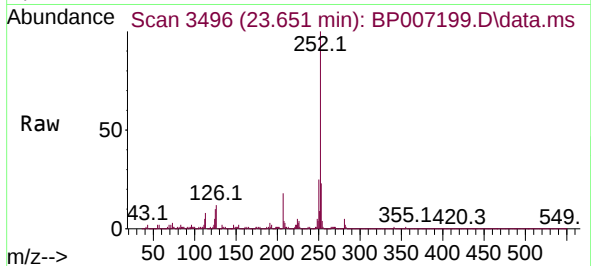




#90
Benzo(a)pyrene
Concen: 29.056 ng
RT: 23.651 min Scan# 3496
Delta R.T. -0.018 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

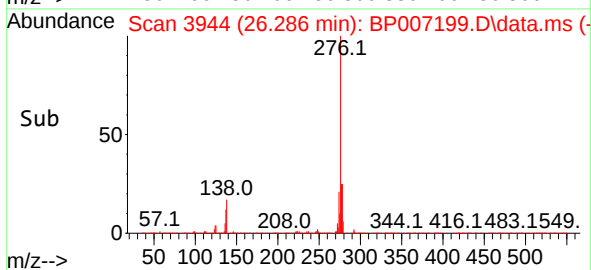
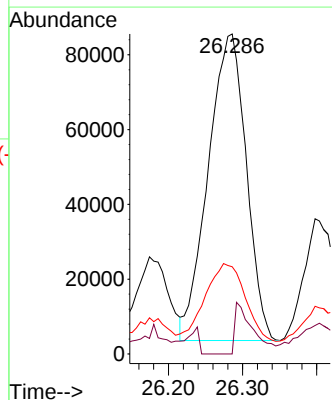
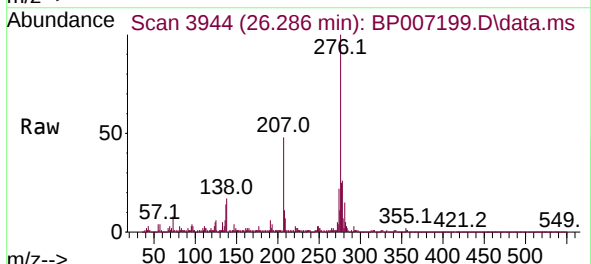
Instrument :
BNA_P
ClientSampled :

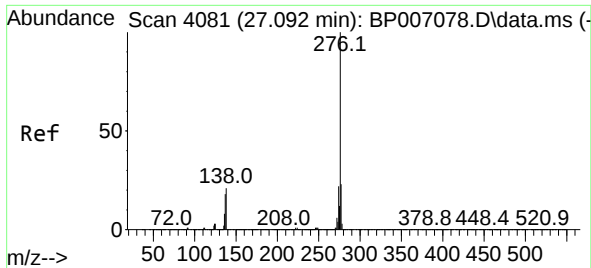
Tgt Ion:252 Resp: 1698373
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 9.9 6.5 9.7#



#91
Dibenzo(a,h)anthracene
Concen: 4.218 ng
RT: 26.286 min Scan# 3944
Delta R.T. -0.029 min
Lab File: BP007199.D
Acq: 25 Sep 2021 22:23

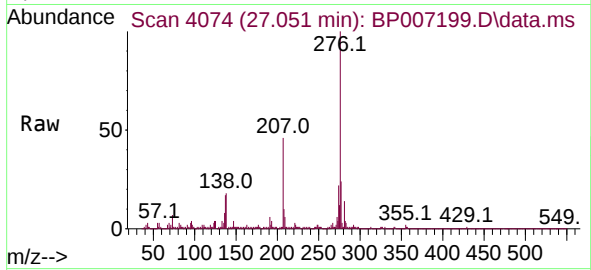
Tgt Ion:278 Resp: 292456
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 27.2 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 17.787 ng
 RT: 27.051 min Scan# 4074
 Delta R.T. -0.024 min
 Lab File: BP007199.D
 Acq: 25 Sep 2021 22:23

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion:276 Resp: 1203464

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	18.4	12.6	18.8

