

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
 Data File : BP007179.D
 Acq On : 25 Sep 2021 02:44
 Operator : CG/JU
 Sample : M3917-01DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 25 04:02:55 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)

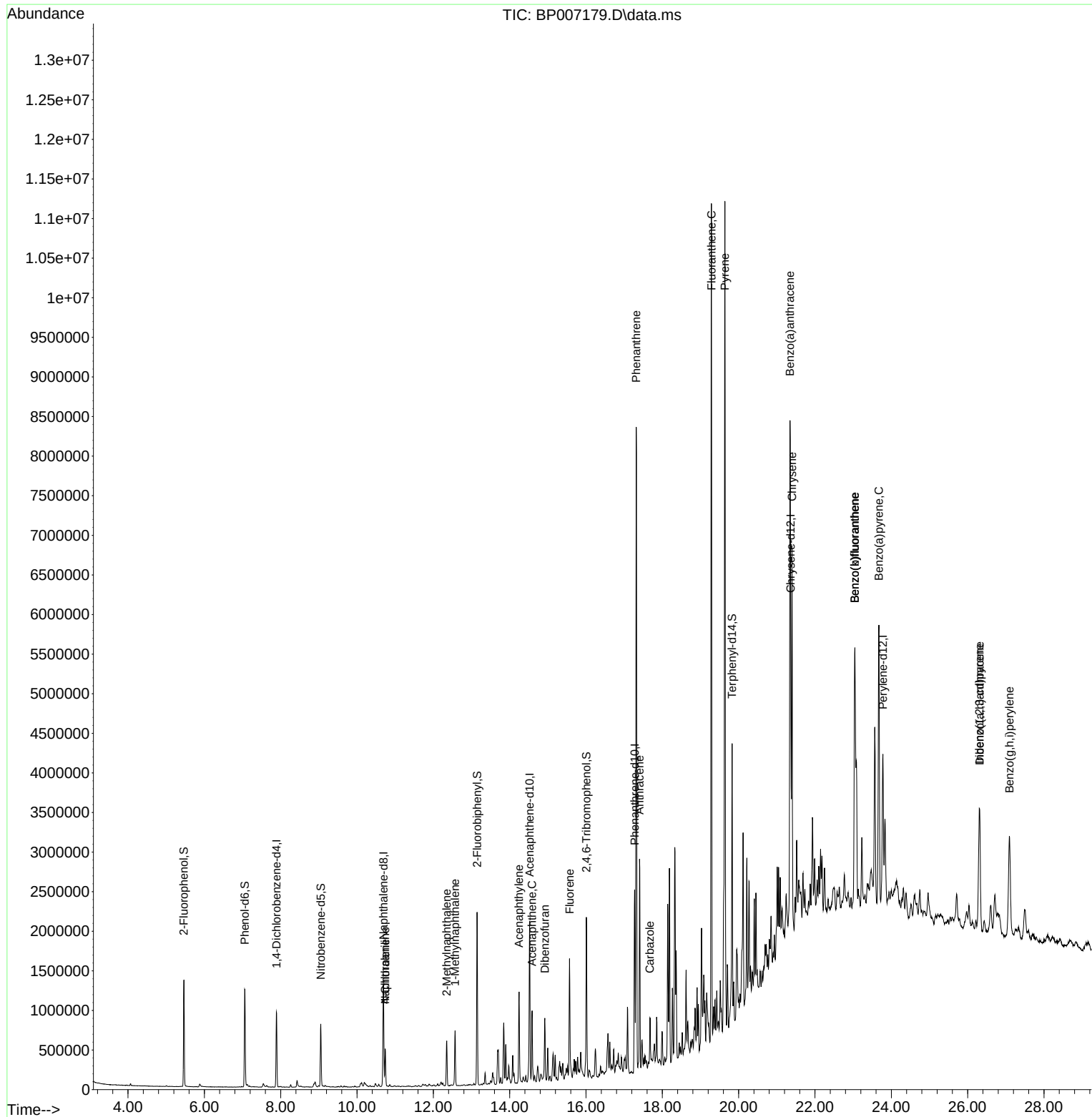
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	281294	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	1120813	20.000	ng	# 0.00
39) Acenaphthene-d10	14.522	164	712730	20.000	ng	0.00
64) Phenanthrene-d10	17.275	188	1455824	20.000	ng	0.00
76) Chrysene-d12	21.363	240	1344825	20.000	ng	0.00
86) Perylene-d12	23.780	264	1482789	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	626535	37.284	ng	0.00
7) Phenol-d6	7.058	99	798312	34.759	ng	0.00
23) Nitrobenzene-d5	9.052	82	468328	24.334	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	370436	40.090	ng	0.00
45) 2-Fluorobiphenyl	13.146	172	1177027	23.659	ng	0.00
79) Terphenyl-d14	19.828	244	1516423	21.608	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.740	128	392787	6.867	ng	100
33) 4-Chloroaniline	10.740	127	51461	2.178	ng	# 36
37) 2-Methylnaphthalene	12.351	142	282833	7.061	ng	96
38) 1-Methylnaphthalene	12.569	142	331200	8.463	ng	99
49) Acenaphthylene	14.246	152	767208	12.130	ng	98
52) Acenaphthene	14.587	154	317007	8.272	ng	99
55) Dibenzofuran	14.922	168	309374	4.839	ng	# 92
58) Fluorene	15.569	166	686568	13.900	ng	99
71) Phenanthrene	17.316	178	5233870	67.049	ng	98
72) Anthracene	17.404	178	1712337	22.424	ng	99
73) Carbazole	17.675	167	365233	4.881	ng	97
75) Fluoranthene	19.286	202	6325838	70.338	ng	97
78) Pyrene	19.639	202	6545305	74.182	ng	97
81) Benzo(a)anthracene	21.345	228	3117288	35.711	ng	94
83) Chrysene	21.398	228	2705105	32.424	ng	96
87) Indeno(1,2,3-cd)pyrene	26.310	276	1744367	16.370	ng	99
88) Benzo(b)fluoranthene	23.045	252	4496971	50.748	ng	# 96
89) Benzo(k)fluoranthene	23.045	252	4496971	50.122	ng	# 96
90) Benzo(a)pyrene	23.674	252	2822212	37.487	ng	# 97
91) Dibenzo(a,h)anthracene	26.315	278	463059	5.185	ng	# 86
92) Benzo(g,h,i)perylene	27.098	276	1791674	20.559	ng	# 96

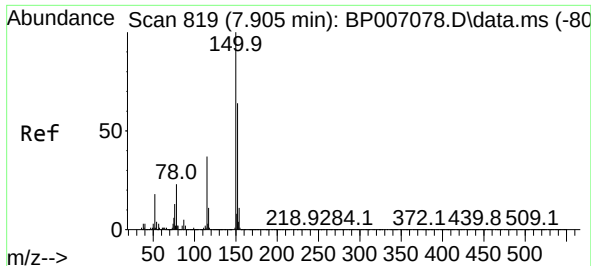
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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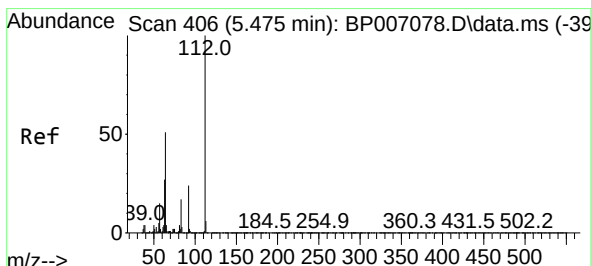
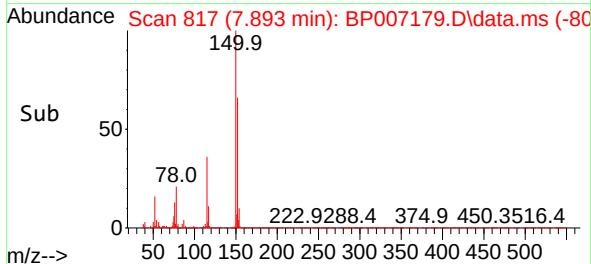
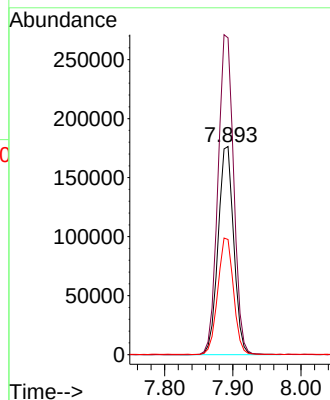
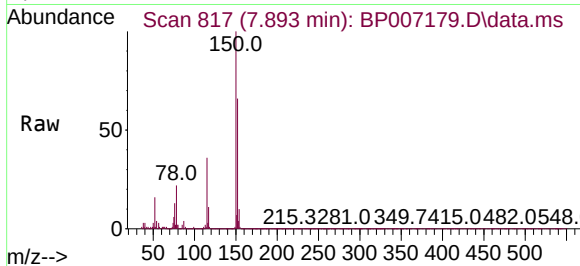




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 817
Delta R.T. -0.000 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

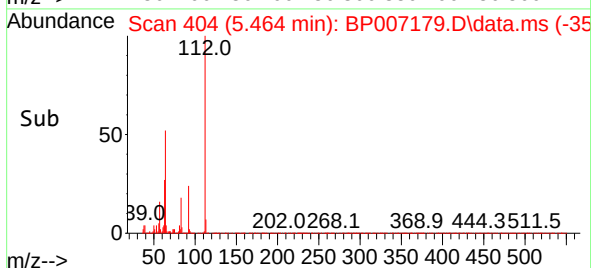
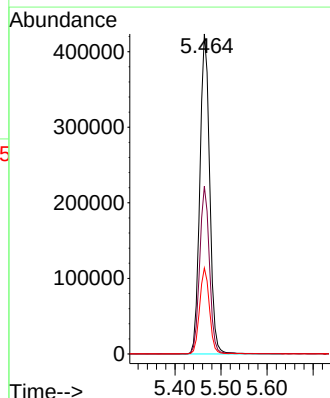
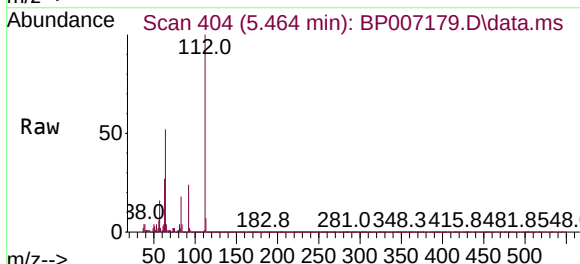
Instrument :
BNA_P
ClientSampleId :

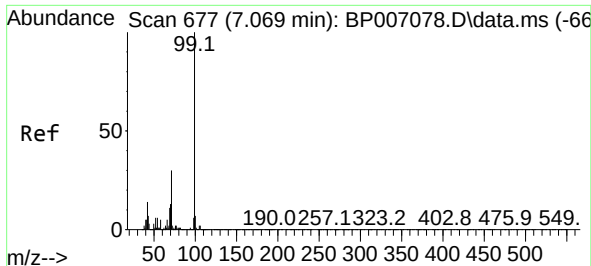
Tgt Ion:152 Resp: 281294
Ion Ratio Lower Upper
152 100
150 152.2 125.6 188.4
115 55.3 48.5 72.7



#5
2-Fluorophenol
Concen: 37.284 ng
RT: 5.464 min Scan# 404
Delta R.T. 0.000 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

Tgt Ion:112 Resp: 626535
Ion Ratio Lower Upper
112 100
64 52.4 41.4 62.2
63 26.9 23.8 35.8

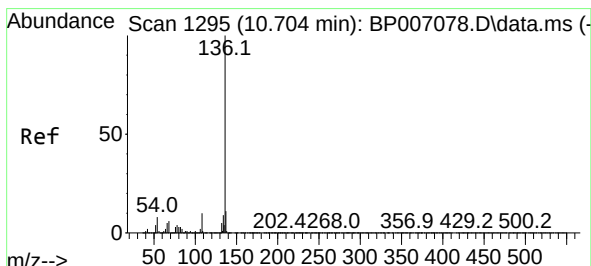
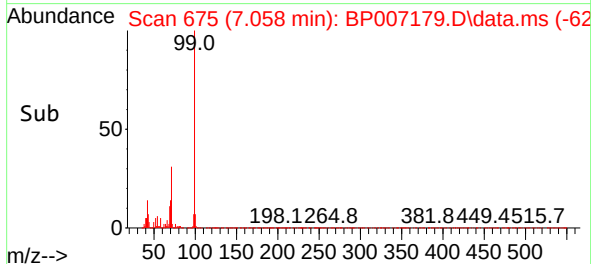
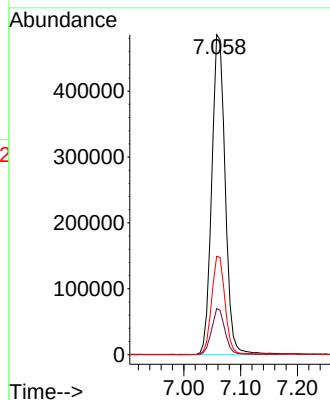
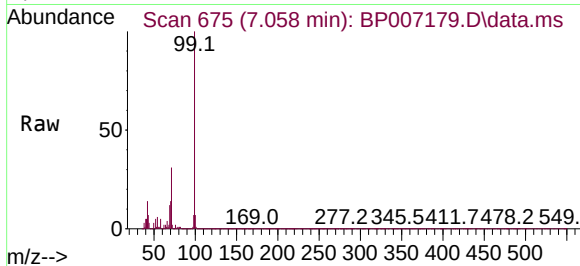




#7
Phenol-d6
Concen: 34.759 ng
RT: 7.058 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

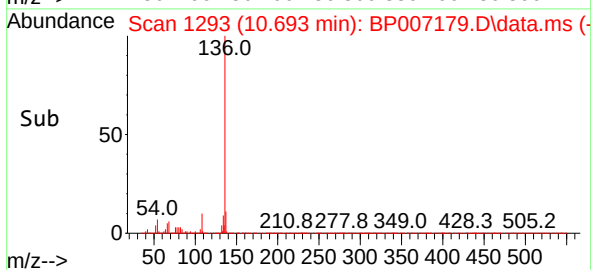
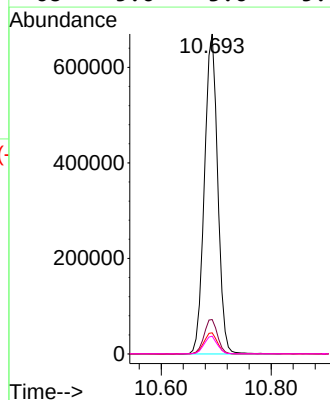
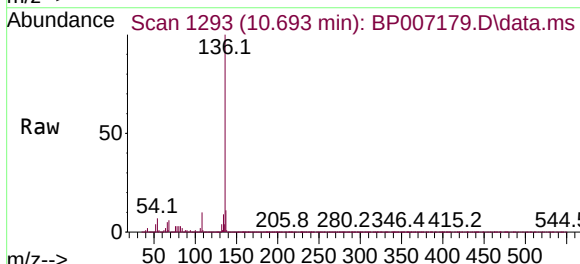
Instrument :
BNA_P
ClientSampleId :

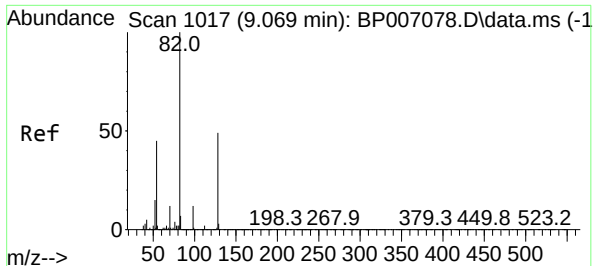
Tgt Ion: 99 Resp: 798312
Ion Ratio Lower Upper
99 100
42 14.5 13.4 20.0
71 30.7 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

Tgt Ion: 136 Resp: 1120813
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 6.6 4.6 6.8
68 5.6 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 24.334 ng

RT: 9.052 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BP007179.D

Acq: 25 Sep 2021 02:44

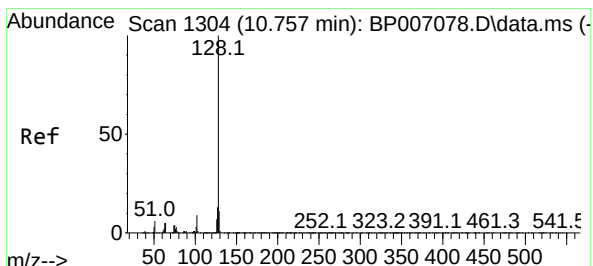
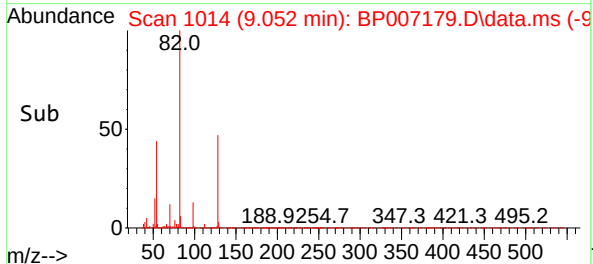
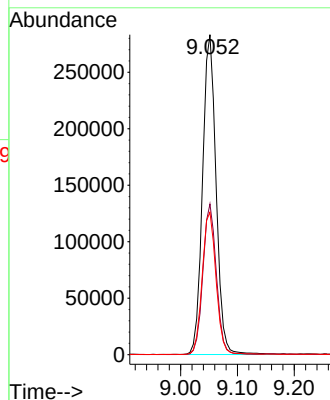
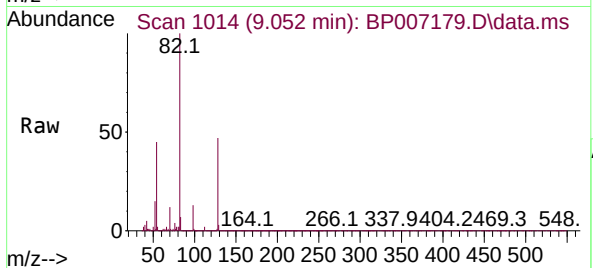
Tgt Ion: 82 Resp: 468328

Ion	Ratio	Lower	Upper
82	100		
128	47.1	35.7	53.5
54	44.5	35.0	52.4

Instrument :

BNA_P

ClientSampleId :



#31

Naphthalene

Concen: 6.867 ng

RT: 10.740 min Scan# 1301

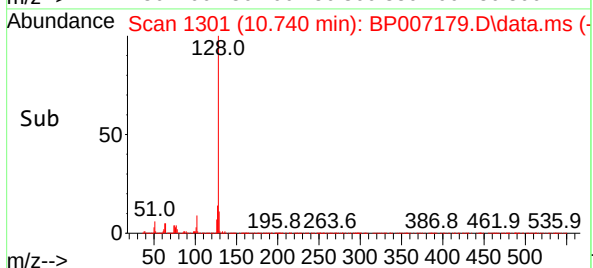
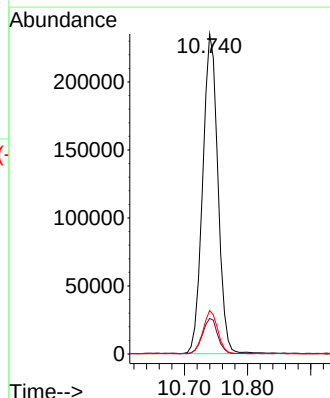
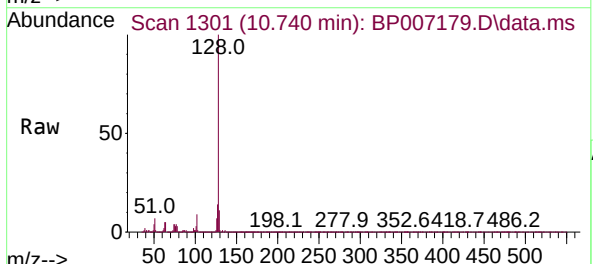
Delta R.T. -0.006 min

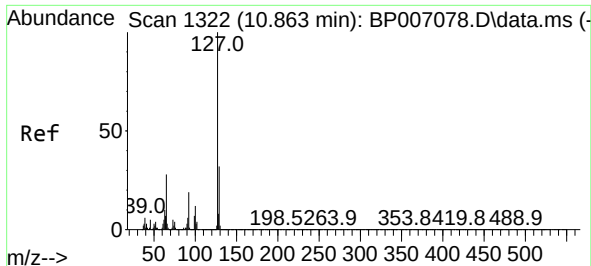
Lab File: BP007179.D

Acq: 25 Sep 2021 02:44

Tgt Ion: 128 Resp: 392787

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.6	10.7	16.1

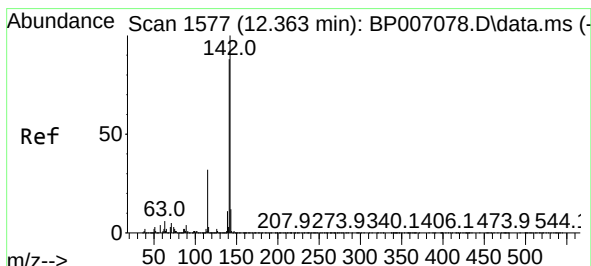
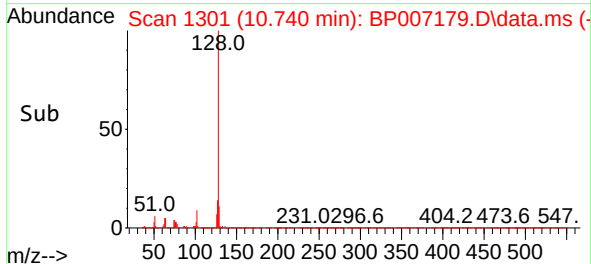
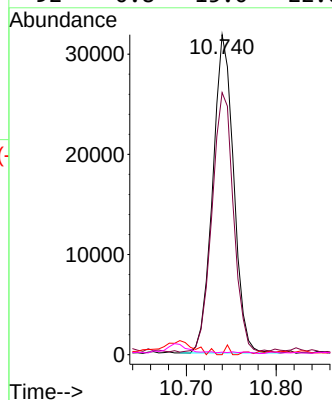
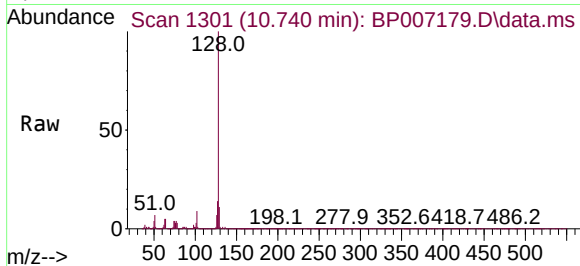




#33
4-Chloroaniline
Concen: 2.178 ng
RT: 10.740 min Scan# 1301
Delta R.T. -0.118 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

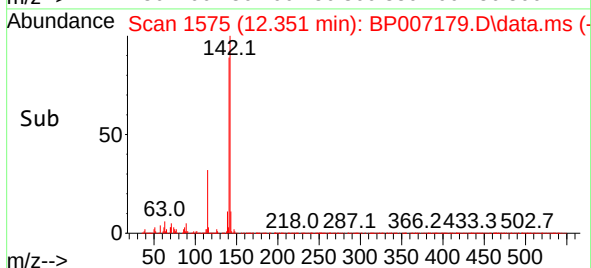
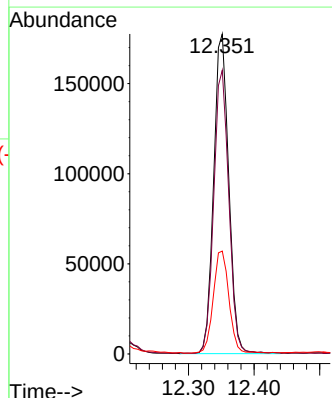
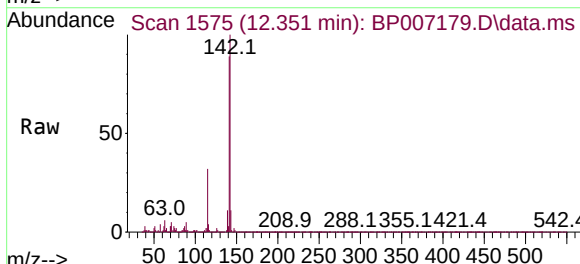
Instrument :
BNA_P
ClientSampleId :

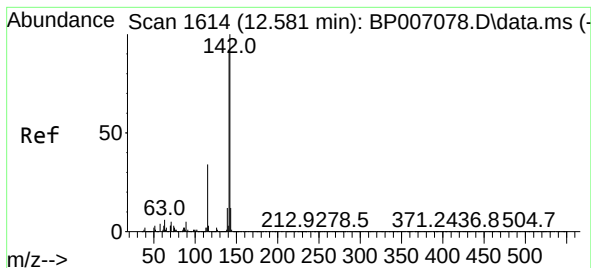
Tgt Ion:	127	Resp:	51461
Ion Ratio	Lower	Upper	
127	100		
129	81.9	26.1	39.1#
65	0.0	22.5	33.7#
92	0.8	15.0	22.6#



#37
2-Methylnaphthalene
Concen: 7.061 ng
RT: 12.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

Tgt Ion:	142	Resp:	282833
Ion Ratio	Lower	Upper	
142	100		
141	88.6	71.8	107.6
115	32.2	31.6	47.4

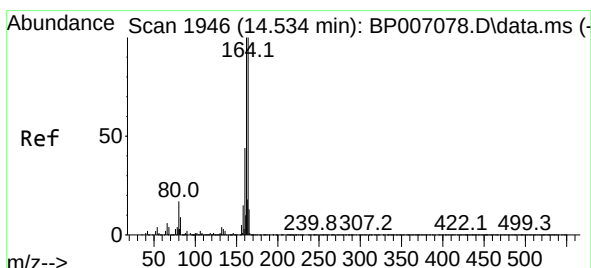
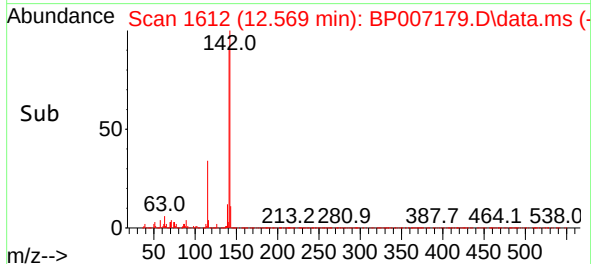
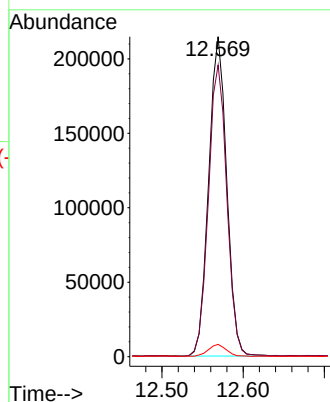
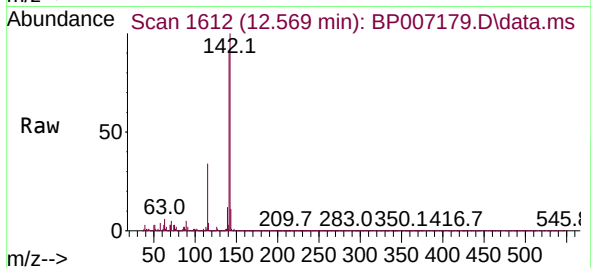




#38
1-Methylnaphthalene
Concen: 8.463 ng
RT: 12.569 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

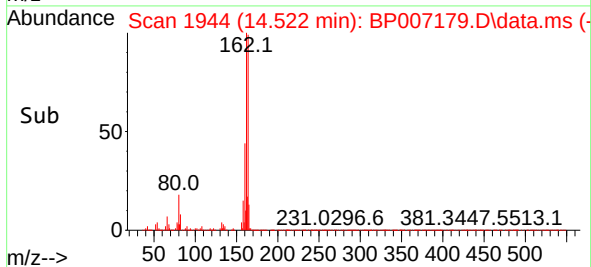
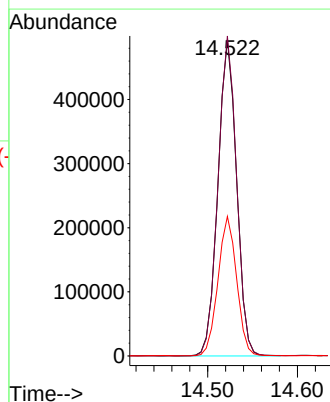
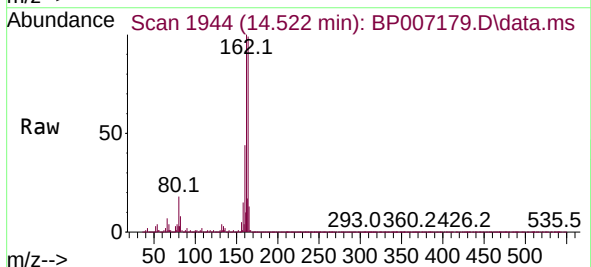
Instrument :
BNA_P
ClientSampleId :

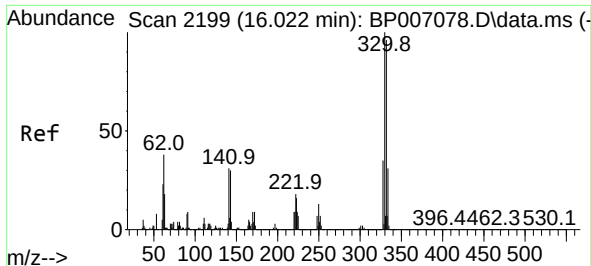
Tgt Ion:142 Resp: 331200
Ion Ratio Lower Upper
142 100
141 91.2 73.3 109.9
116 3.9 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

Tgt Ion:164 Resp: 712730
Ion Ratio Lower Upper
164 100
162 101.2 80.2 120.2
160 44.1 34.5 51.7

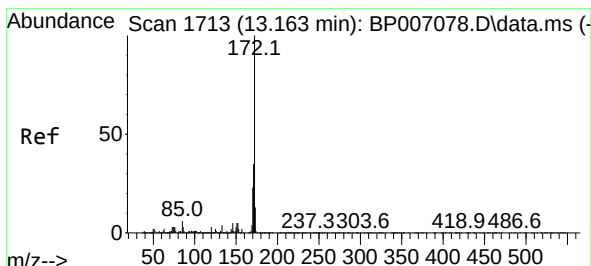
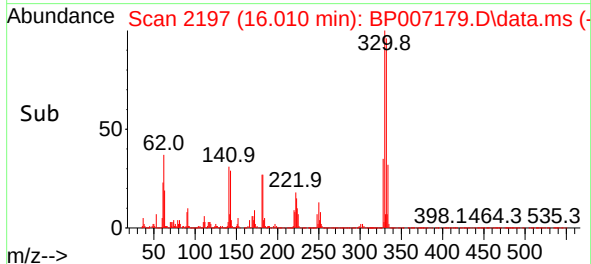
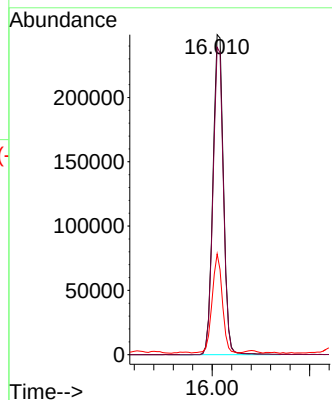
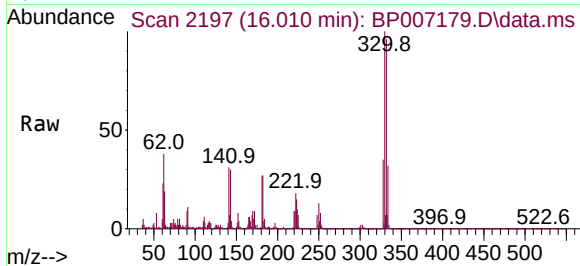




#42
2,4,6-Tribromophenol
Concen: 40.090 ng
RT: 16.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

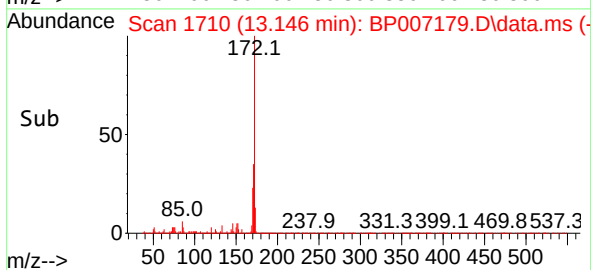
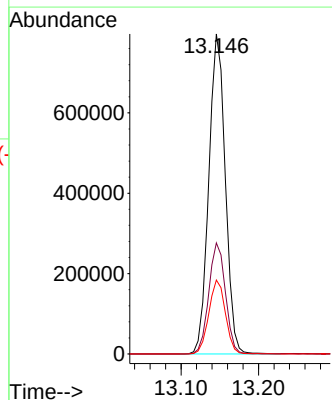
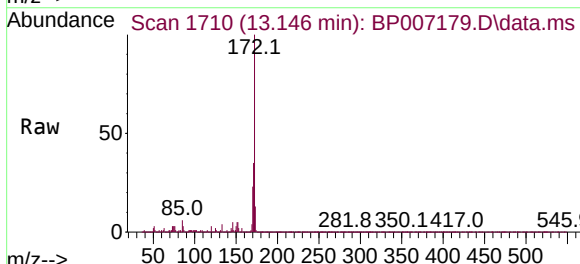
Instrument :
BNA_P
ClientSampleId :

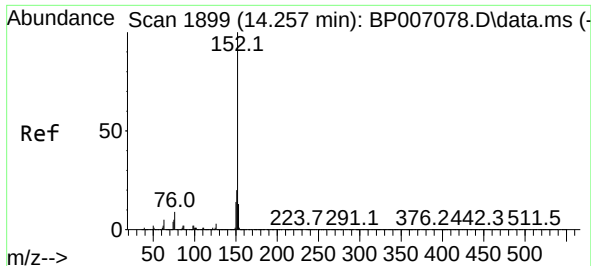
Tgt Ion:330 Resp: 370436
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.8
141 29.8 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 23.659 ng
RT: 13.146 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

Tgt Ion:172 Resp: 1177027
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.1 18.6 27.8





#49

Acenaphthylene

Concen: 12.130 ng

RT: 14.246 min Scan# 1897

Delta R.T. 0.000 min

Lab File: BP007179.D

Acq: 25 Sep 2021 02:44

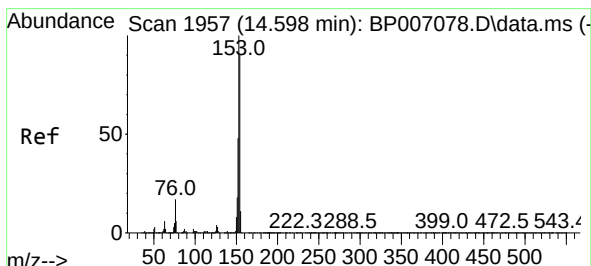
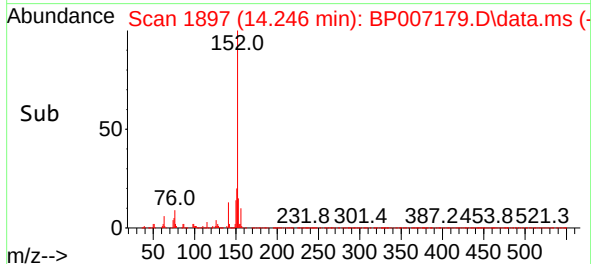
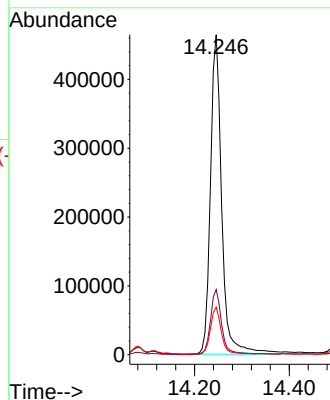
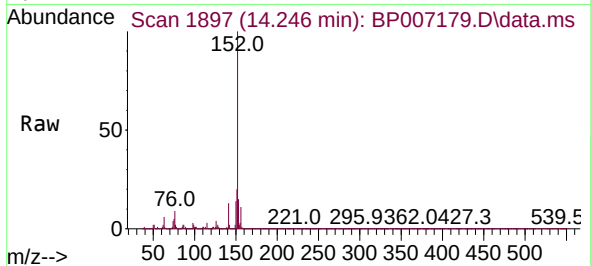
Tgt Ion:152 Resp: 767208

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 14.9 10.6 16.0



#52

Acenaphthene

Concen: 8.272 ng

RT: 14.587 min Scan# 1955

Delta R.T. -0.000 min

Lab File: BP007179.D

Acq: 25 Sep 2021 02:44

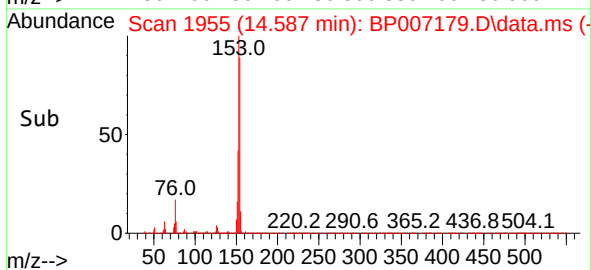
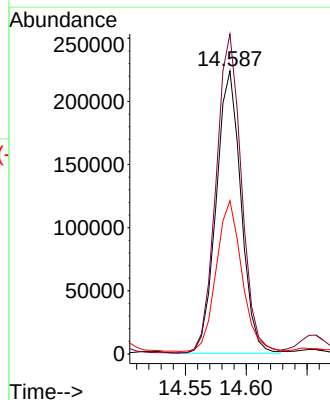
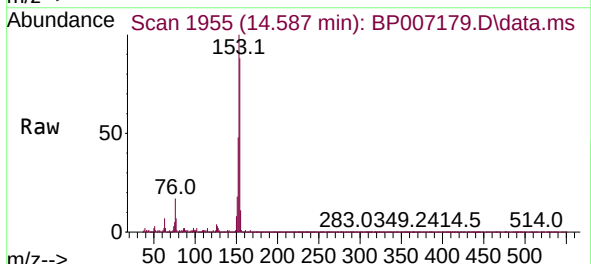
Tgt Ion:154 Resp: 317007

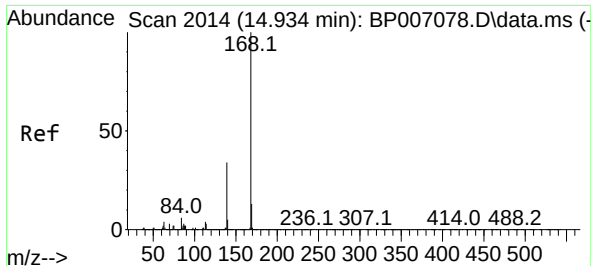
Ion Ratio Lower Upper

154 100

153 113.0 89.4 134.2

152 54.1 43.0 64.4

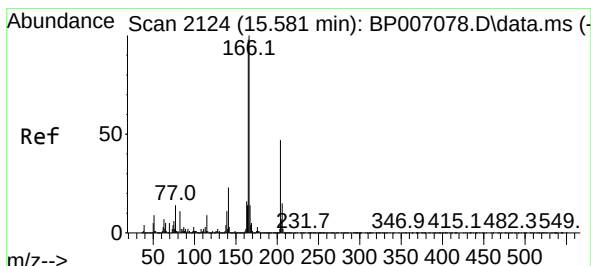
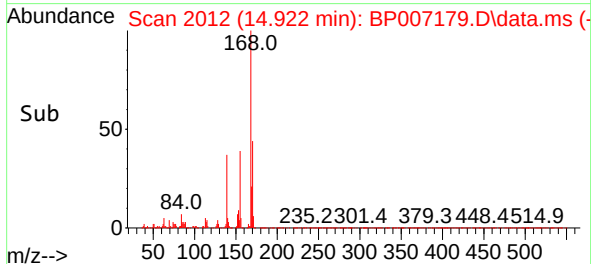
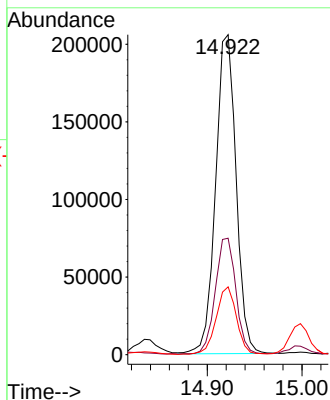
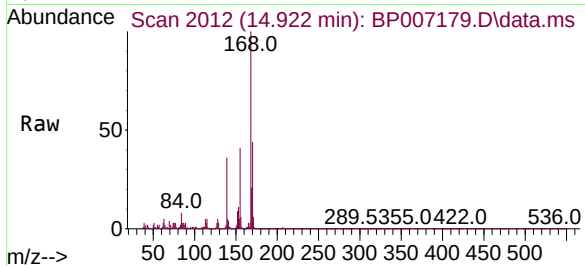




#55
Dibenzenofuran
Concen: 4.839 ng
RT: 14.922 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

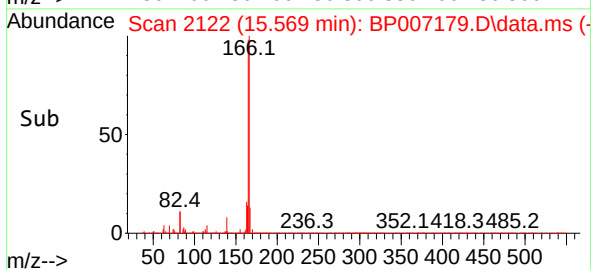
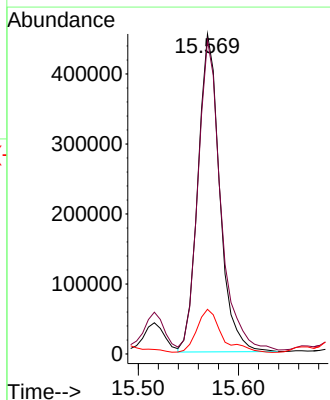
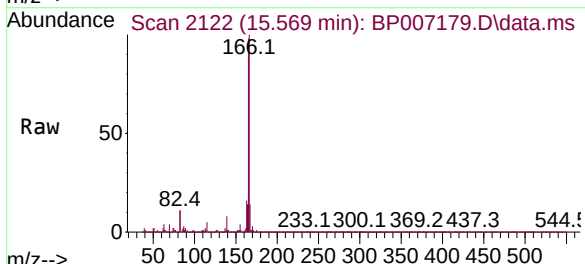
Instrument :
BNA_P
ClientSampleId :

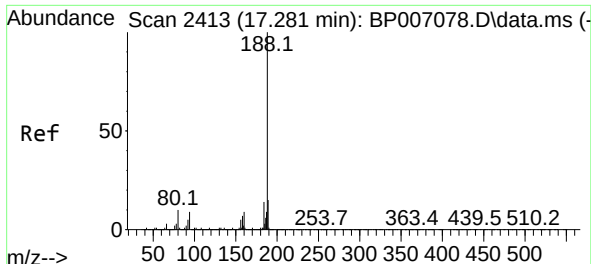
Tgt Ion:168 Resp: 309374
Ion Ratio Lower Upper
168 100
139 36.4 31.0 46.6
169 21.2 10.8 16.2#



#58
Fluorene
Concen: 13.900 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

Tgt Ion:166 Resp: 686568
Ion Ratio Lower Upper
166 100
165 98.0 78.0 117.0
167 13.9 10.5 15.7

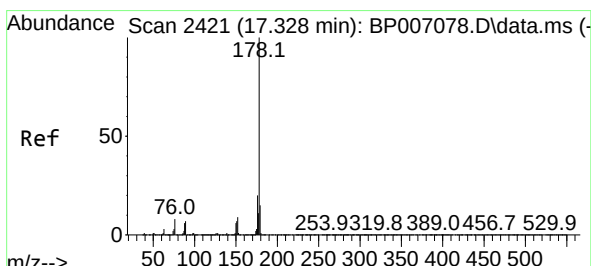
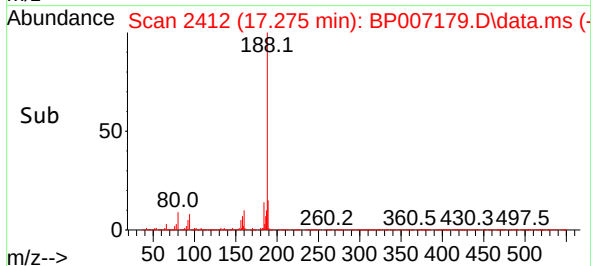
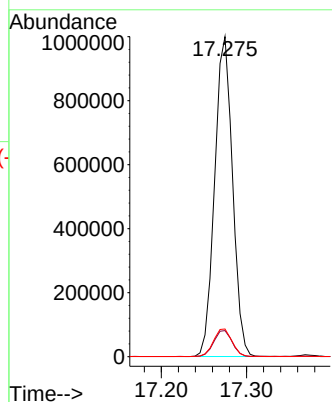
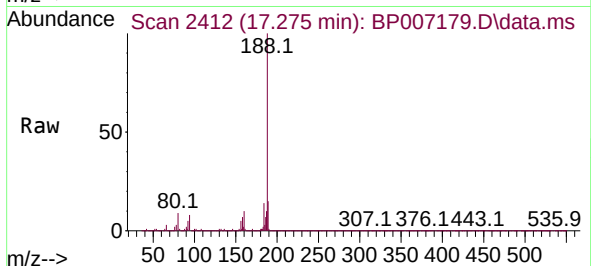




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

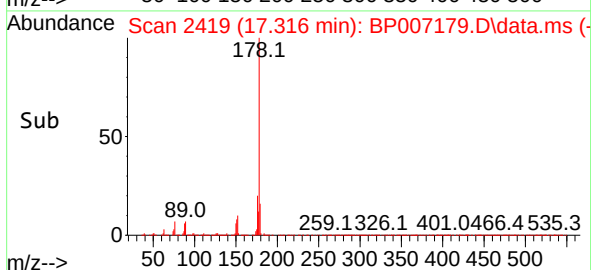
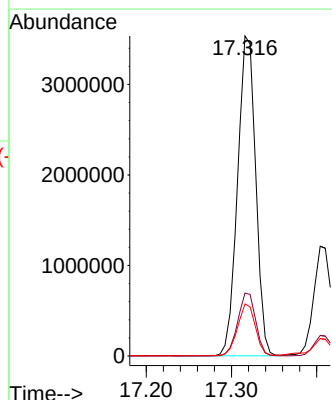
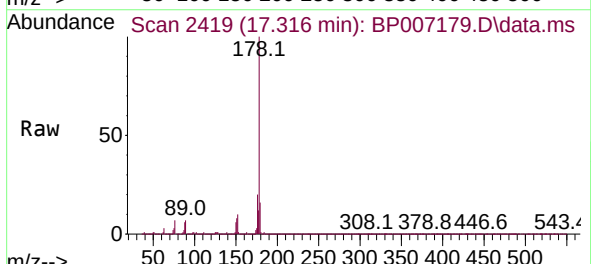
Instrument :
BNA_P
ClientSampleId :

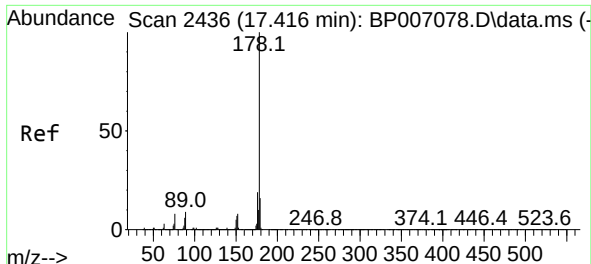
Tgt Ion:188 Resp: 1455824
Ion Ratio Lower Upper
188 100
94 8.2 5.6 8.4
80 8.7 6.3 9.5



#71
Phenanthrene
Concen: 67.049 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

Tgt Ion:178 Resp: 5233870
Ion Ratio Lower Upper
178 100
176 19.7 15.1 22.7
179 16.2 12.4 18.6

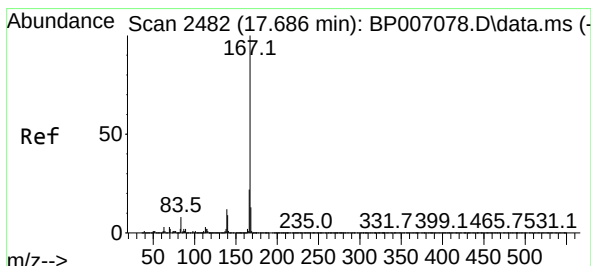
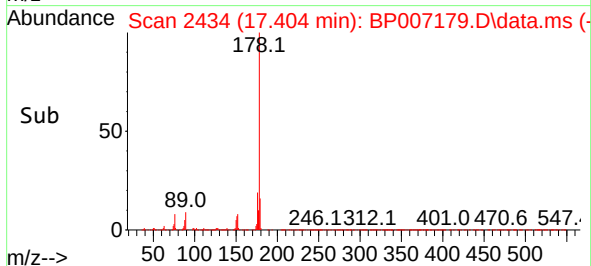
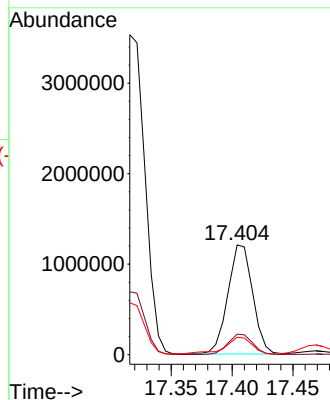
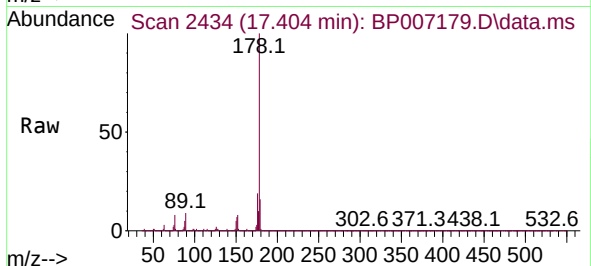




#72
 Anthracene
 Concen: 22.424 ng
 RT: 17.404 min Scan# 2434
 Delta R.T. -0.006 min
 Lab File: BP007179.D
 Acq: 25 Sep 2021 02:44

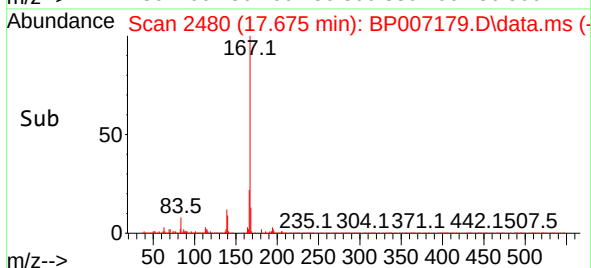
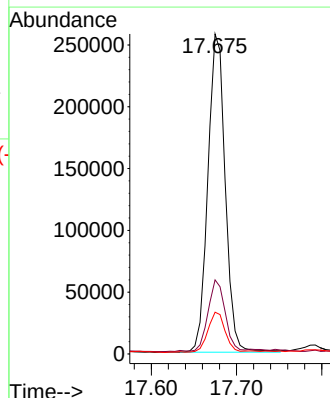
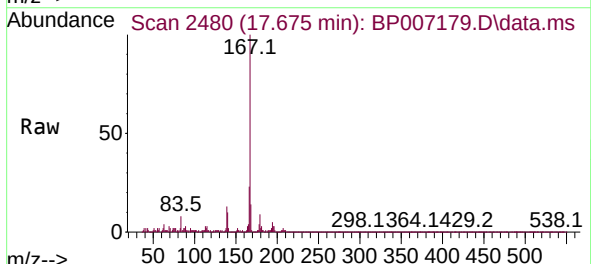
Instrument :
 BNA_P
 ClientSampleId :

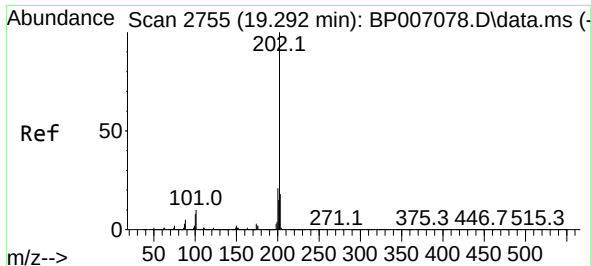
Tgt Ion:178 Resp: 1712337
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.9 22.3
 179 15.9 12.2 18.2



#73
 Carbazole
 Concen: 4.881 ng
 RT: 17.675 min Scan# 2480
 Delta R.T. -0.006 min
 Lab File: BP007179.D
 Acq: 25 Sep 2021 02:44

Tgt Ion:167 Resp: 365233
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.1 25.7
 139 13.1 10.7 16.1

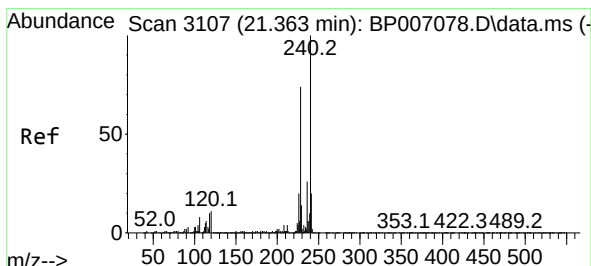
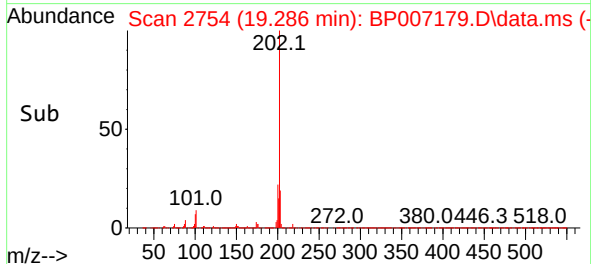
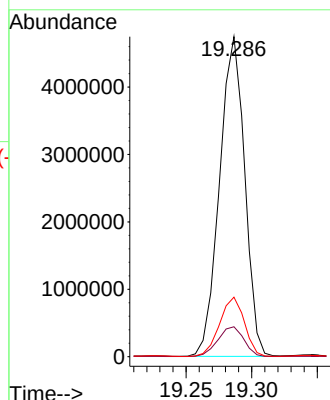
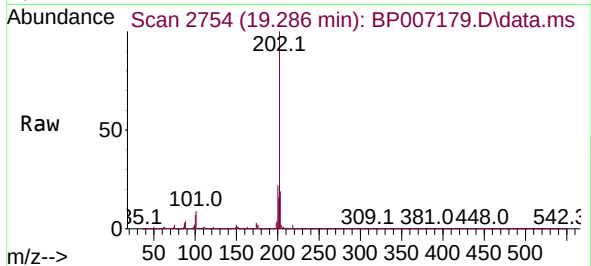




#75
Fluoranthene
Concen: 70.338 ng
RT: 19.286 min Scan# 2754
Delta R.T. 0.006 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

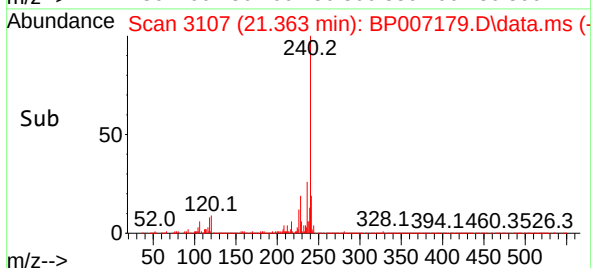
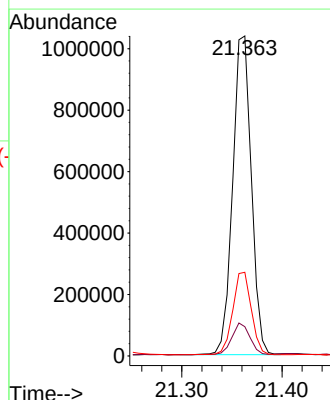
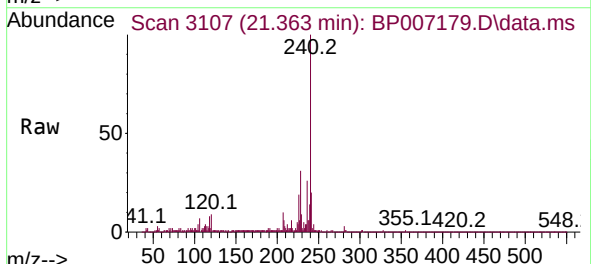
Instrument :
BNA_P
ClientSampled :

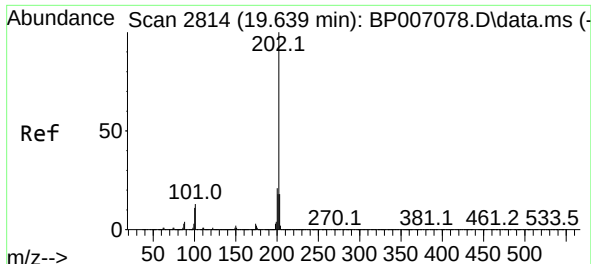
Tgt Ion:202 Resp: 6325838
Ion Ratio Lower Upper
202 100
101 9.4 0.0 27.6
203 18.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.363 min Scan# 3107
Delta R.T. 0.006 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

Tgt Ion:240 Resp: 1344825
Ion Ratio Lower Upper
240 100
120 9.1 6.5 9.7
236 26.2 20.6 31.0

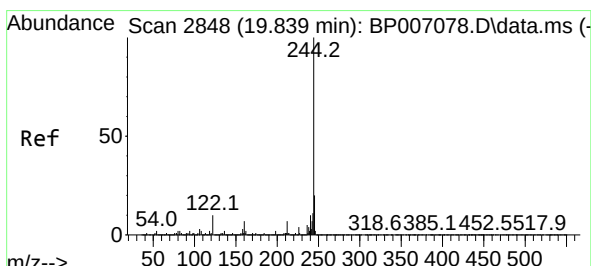
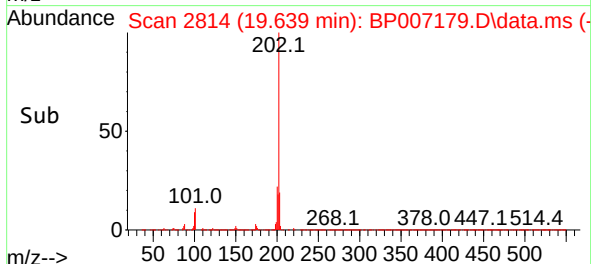
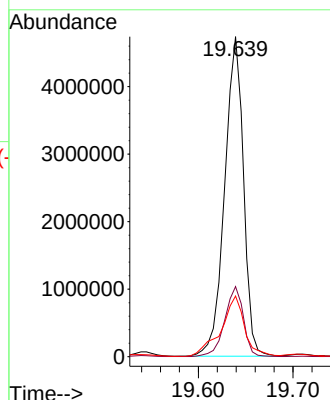
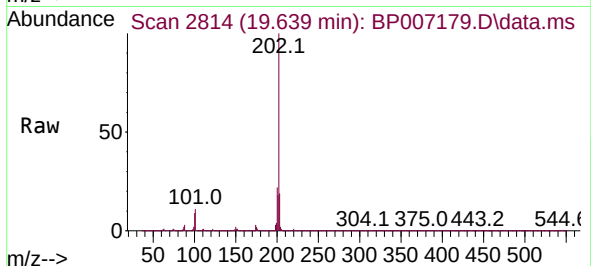




#78
Pyrene
Concen: 74.182 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

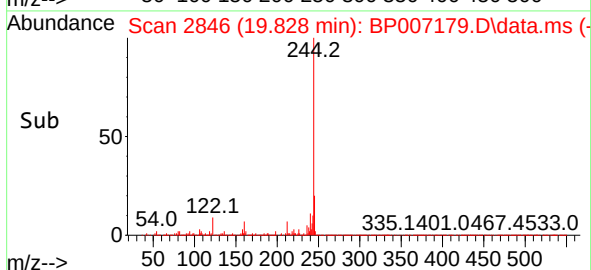
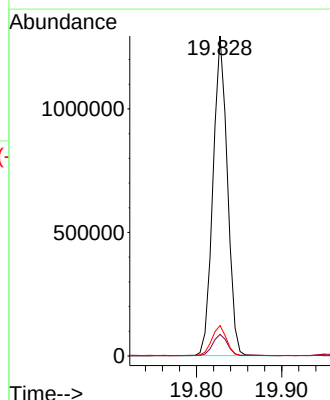
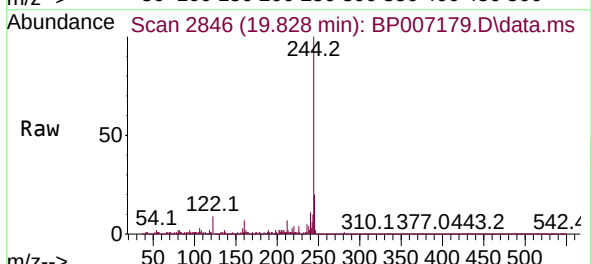
Instrument :
BNA_P
ClientSampleId :

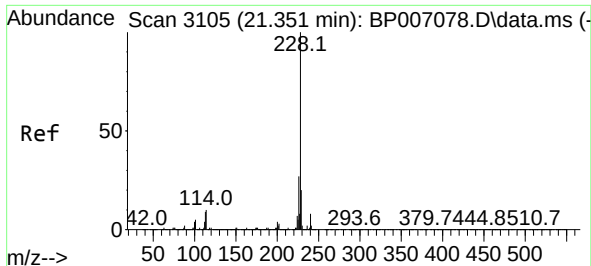
Tgt Ion:202 Resp: 6545305
Ion Ratio Lower Upper
202 100
200 21.9 16.3 24.5
203 18.9 14.2 21.2



#79
Terphenyl-d14
Concen: 21.608 ng
RT: 19.828 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

Tgt Ion:244 Resp: 1516423
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 9.5 7.1 10.7

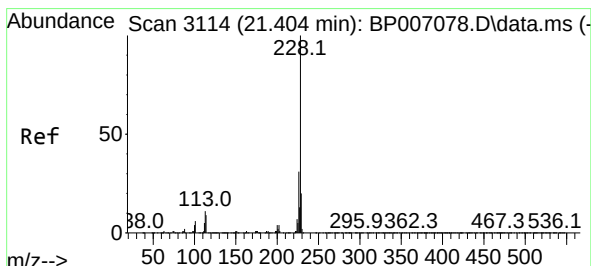
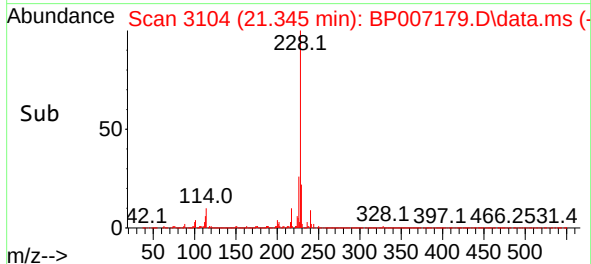
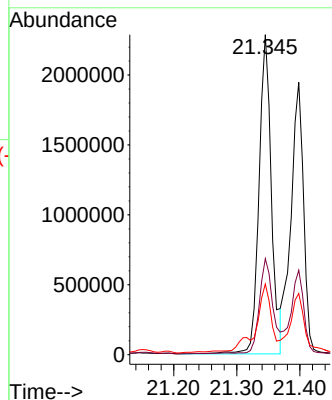
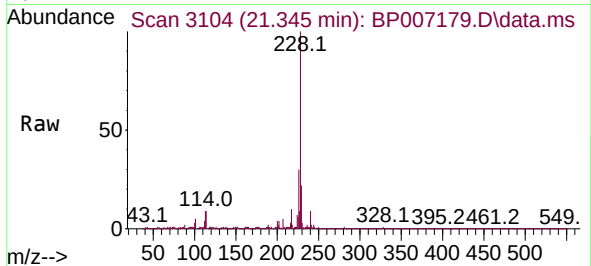




#81
Benzo(a)anthracene
Concen: 35.711 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

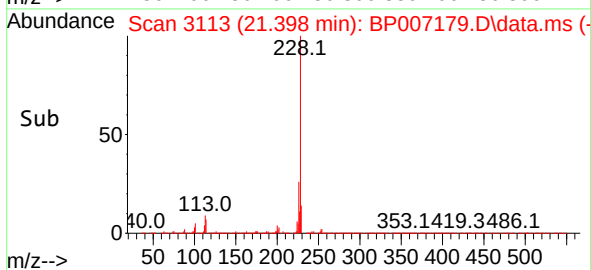
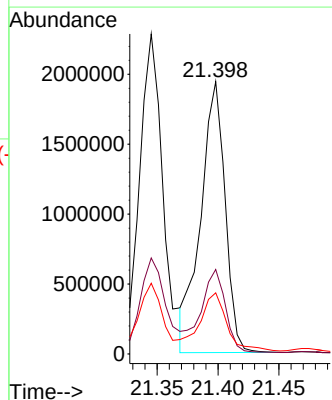
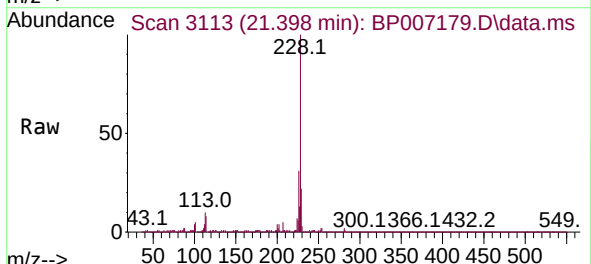
Instrument :
BNA_P
ClientSampleId :

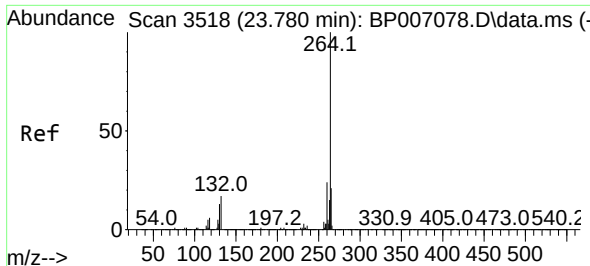
Tgt Ion:228 Resp: 3117288
Ion Ratio Lower Upper
228 100
226 30.0 21.6 32.4
229 22.1 15.8 23.6



#83
Chrysene
Concen: 32.424 ng
RT: 21.398 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

Tgt Ion:228 Resp: 2705105
Ion Ratio Lower Upper
228 100
226 31.0 23.8 35.6
229 22.5 15.4 23.2

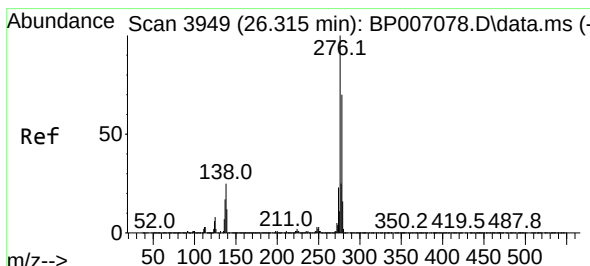
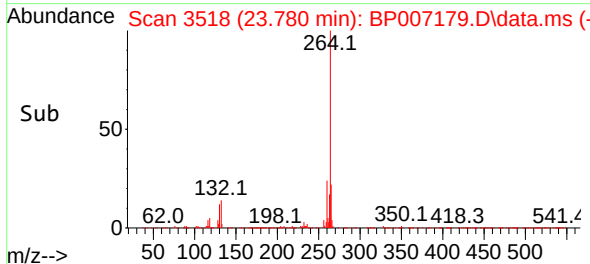
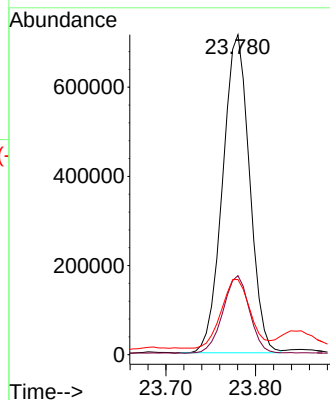
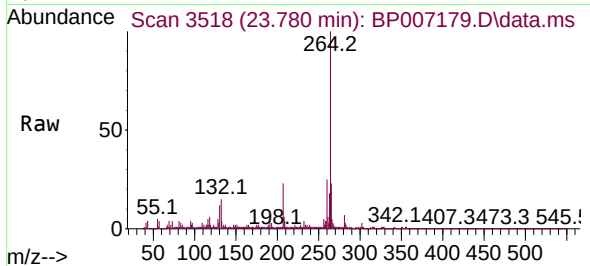




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.780 min Scan# 3518
Delta R.T. 0.012 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

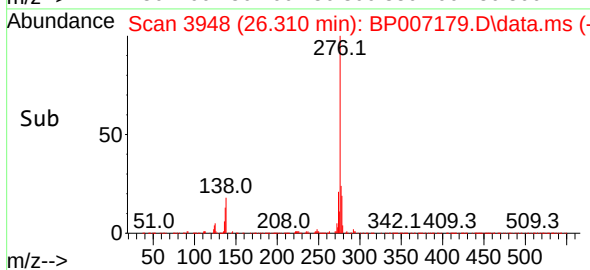
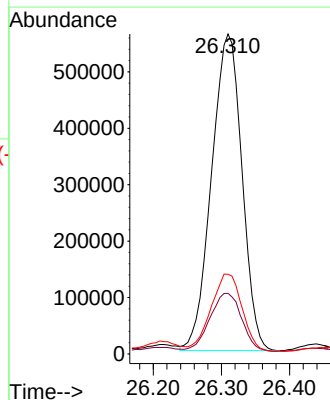
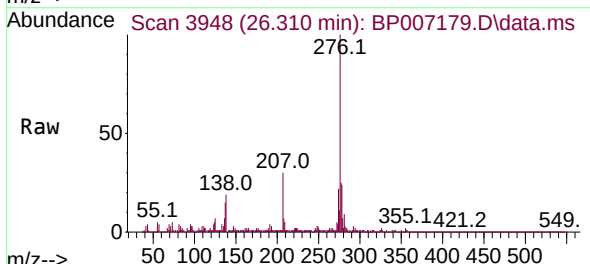
Instrument :
BNA_P
ClientSampleId :

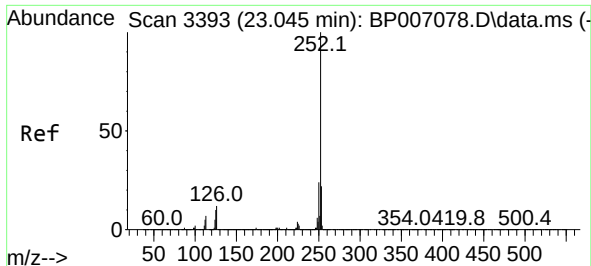
Tgt Ion:264 Resp: 1482789
Ion Ratio Lower Upper
264 100
260 24.7 18.6 28.0
265 23.5 17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 16.370 ng
RT: 26.310 min Scan# 3948
Delta R.T. 0.006 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

Tgt Ion:276 Resp: 1744367
Ion Ratio Lower Upper
276 100
138 19.2 15.3 22.9
277 24.8 20.4 30.6

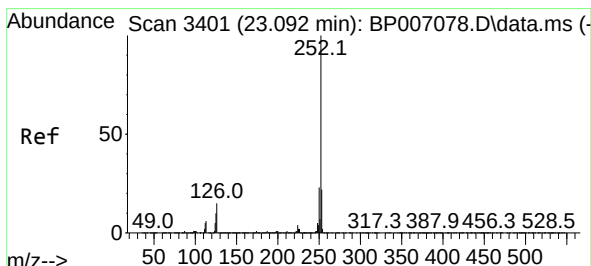
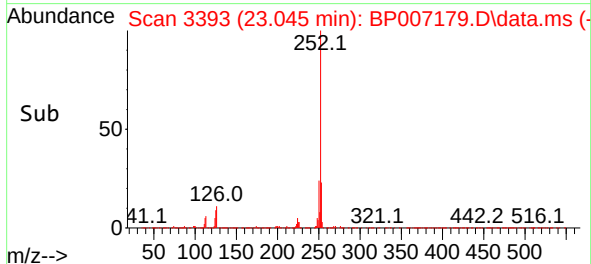
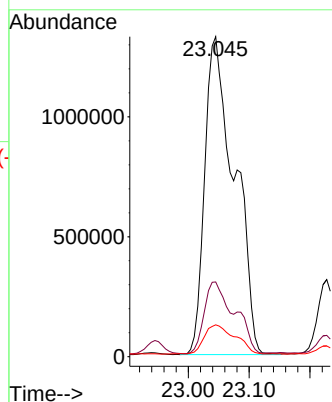
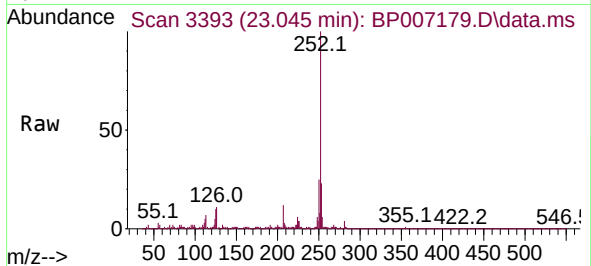




#88
Benzo(b)fluoranthene
Concen: 50.748 ng
RT: 23.045 min Scan# 3393
Delta R.T. 0.012 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

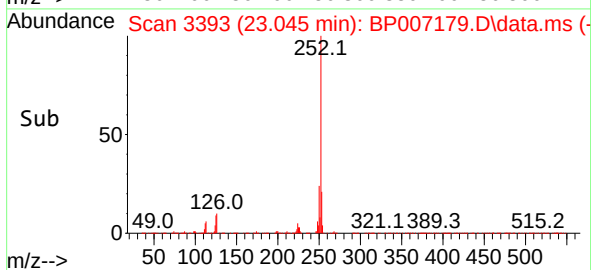
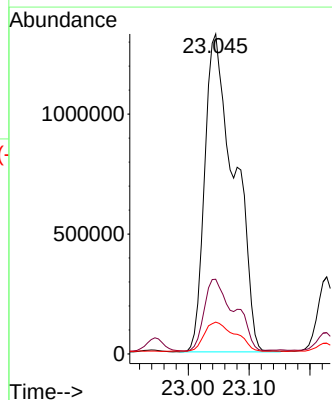
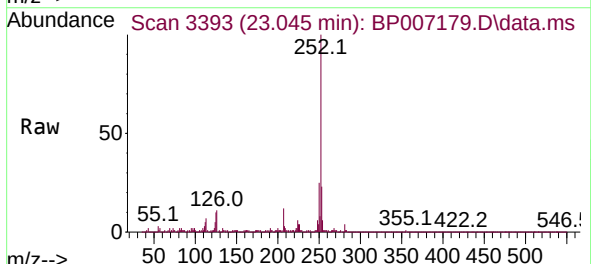
Instrument :
BNA_P
ClientSampleId :

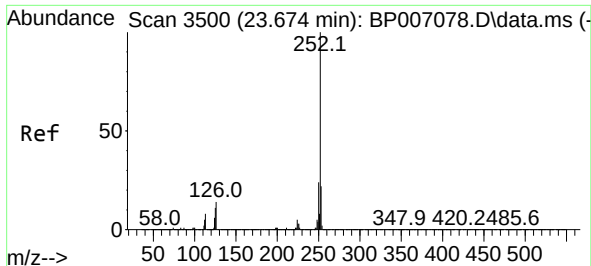
Tgt Ion:252 Resp: 4496971
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 10.0 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 50.122 ng
RT: 23.045 min Scan# 3393
Delta R.T. -0.041 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

Tgt Ion:252 Resp: 4496971
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 10.0 6.0 9.0#

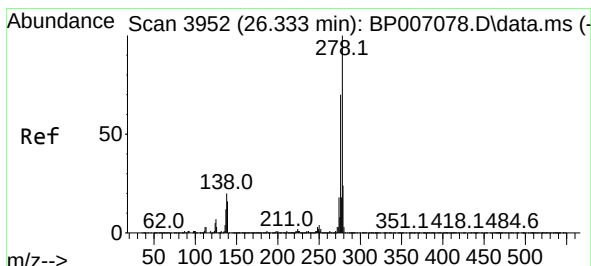
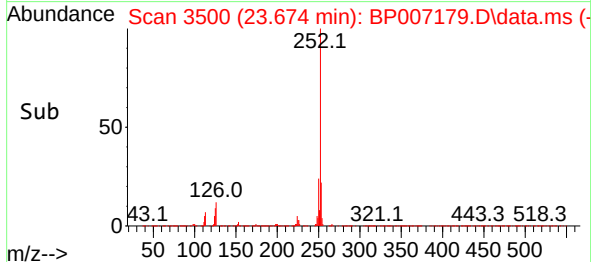
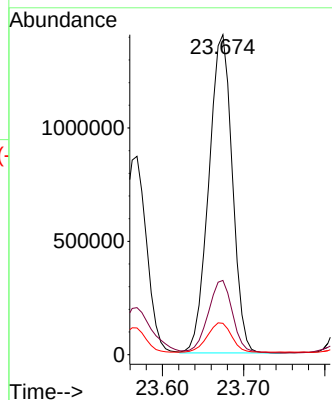
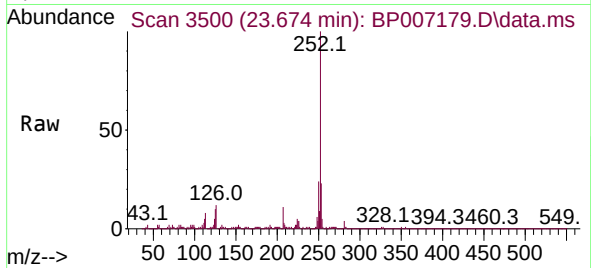




#90
Benzo(a)pyrene
Concen: 37.487 ng
RT: 23.674 min Scan# 3500
Delta R.T. 0.006 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

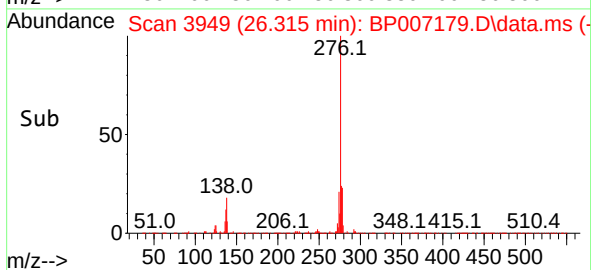
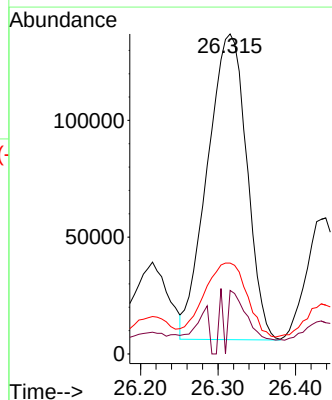
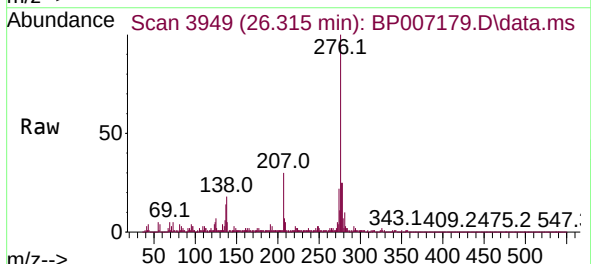
Instrument :
BNA_P
ClientSampled :

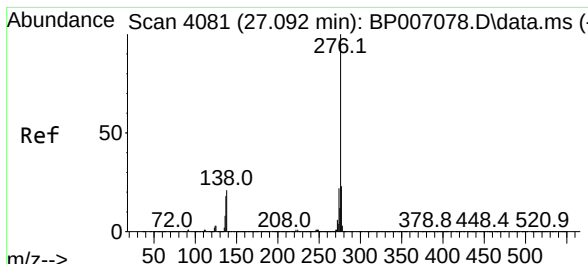
Tgt Ion:252 Resp: 2822212
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 9.8 6.5 9.7#



#91
Dibenzo(a,h)anthracene
Concen: 5.185 ng
RT: 26.315 min Scan# 3949
Delta R.T. 0.000 min
Lab File: BP007179.D
Acq: 25 Sep 2021 02:44

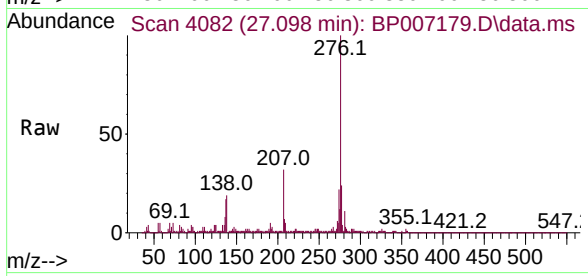
Tgt Ion:278 Resp: 463059
Ion Ratio Lower Upper
278 100
139 19.9 9.3 13.9#
279 28.4 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 20.559 ng
 RT: 27.098 min Scan# 4082
 Delta R.T. 0.024 min
 Lab File: BP007179.D
 Acq: 25 Sep 2021 02:44

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion:276 Resp: 1791674

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	19.2	12.6	18.8#

