

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
 Data File : BP007178.D
 Acq On : 25 Sep 2021 02:10
 Operator : CG/JU
 Sample : M3917-19DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 25 02:47:53 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)

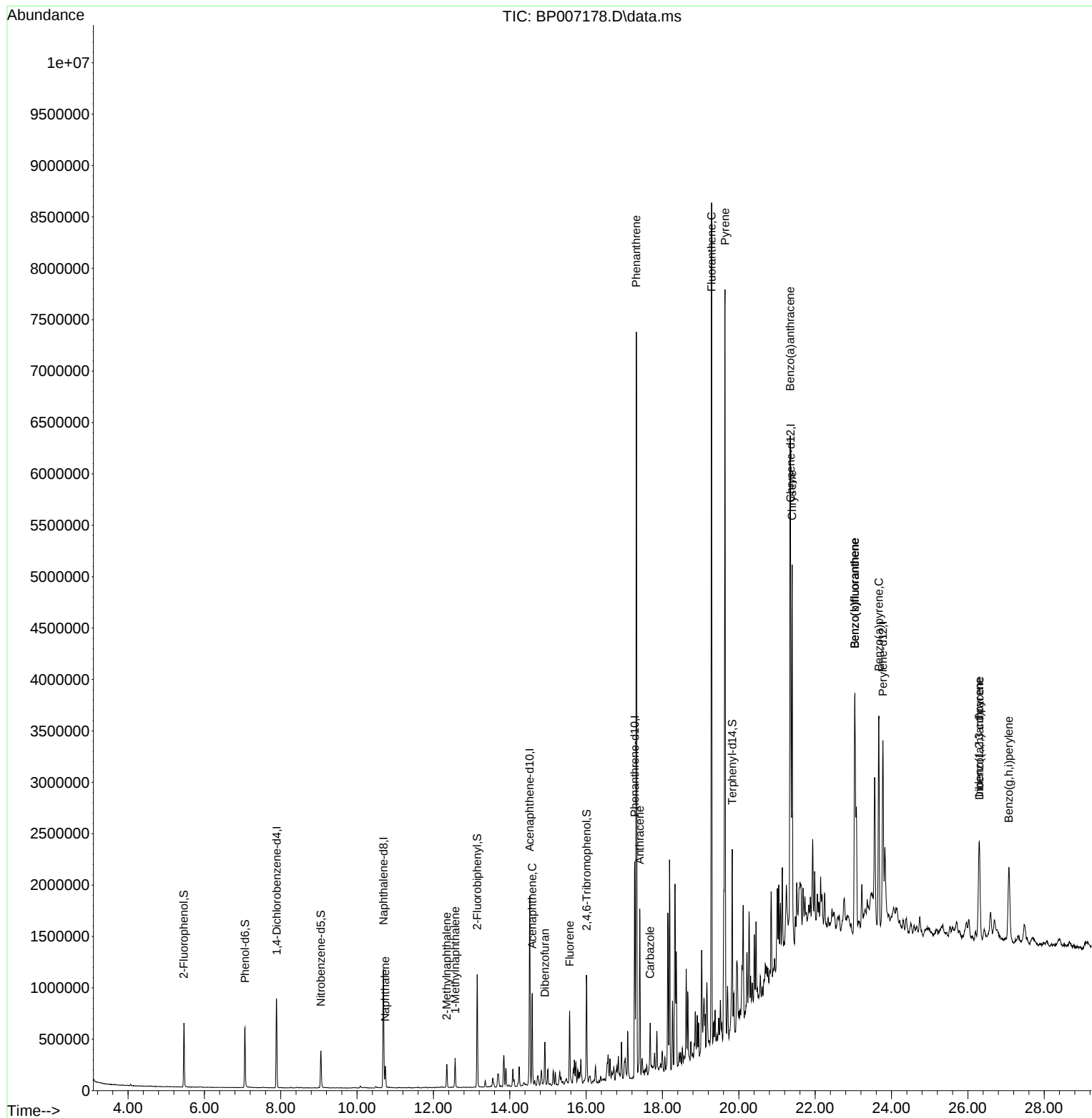
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	254829	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	1023575	20.000	ng	# 0.00
39) Acenaphthene-d10	14.522	164	653350	20.000	ng	0.00
64) Phenanthrene-d10	17.275	188	1321647	20.000	ng	0.00
76) Chrysene-d12	21.357	240	1192149	20.000	ng	# 0.00
86) Perylene-d12	23.774	264	1313575	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	293216	19.261	ng	0.00
7) Phenol-d6	7.064	99	381773	18.349	ng	0.00
23) Nitrobenzene-d5	9.052	82	219185	12.471	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	173499	20.483	ng	0.00
45) 2-Fluorobiphenyl	13.146	172	578685	12.689	ng	0.00
79) Terphenyl-d14	19.828	244	779926	12.537	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.740	128	171389	3.281	ng	98
37) 2-Methylnaphthalene	12.351	142	114614	3.133	ng	94
38) 1-Methylnaphthalene	12.569	142	131188	3.671	ng	# 98
52) Acenaphthene	14.587	154	315941	8.994	ng	98
55) Dibenzofuran	14.922	168	195217	3.331	ng	# 94
58) Fluorene	15.569	166	313548	6.925	ng	98
71) Phenanthrene	17.316	178	4579779	64.626	ng	99
72) Anthracene	17.404	178	1045607	15.083	ng	99
73) Carbazole	17.675	167	303125	4.462	ng	98
75) Fluoranthene	19.286	202	4907529	60.107	ng	98
78) Pyrene	19.639	202	4691197	59.978	ng	98
81) Benzo(a)anthracene	21.345	228	2337435	30.207	ng	97
83) Chrysene	21.398	228	2025226	27.384	ng	96
87) Indeno(1,2,3-cd)pyrene	26.298	276	1031786	10.930	ng	99
88) Benzo(b)fluoranthene	23.039	252	2217583	28.249	ng	# 97
89) Benzo(k)fluoranthene	23.039	252	2217583	27.901	ng	# 96
90) Benzo(a)pyrene	23.669	252	1667232	24.998	ng	# 98
91) Dibenzo(a,h)anthracene	26.304	278	292703	3.700	ng	# 83
92) Benzo(g,h,i)perylene	27.074	276	992554	12.857	ng	# 94

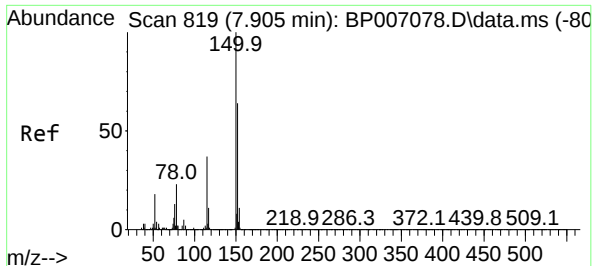
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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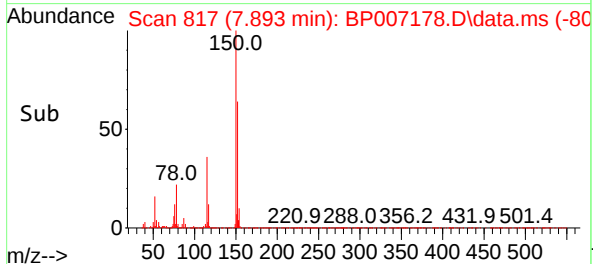
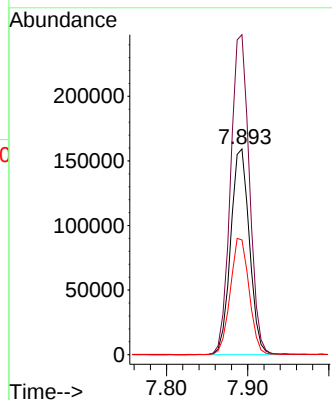
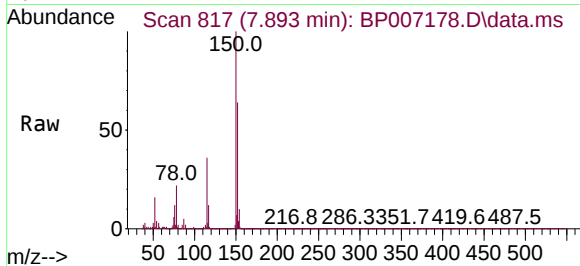




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 817
Delta R.T. -0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

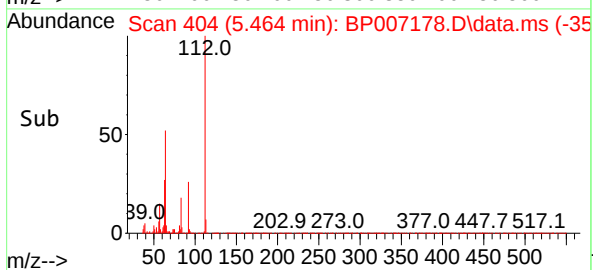
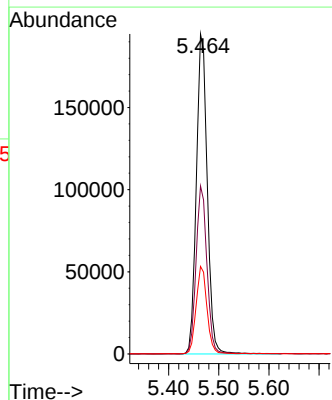
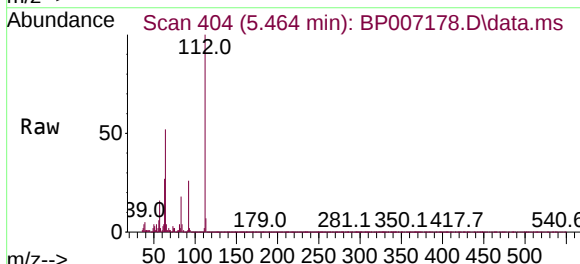
Instrument :
BNA_P
ClientSampleId :

Tgt Ion:152 Resp: 254829
Ion Ratio Lower Upper
152 100
150 155.5 125.6 188.4
115 55.8 48.5 72.7



#5
2-Fluorophenol
Concen: 19.261 ng
RT: 5.464 min Scan# 404
Delta R.T. 0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion:112 Resp: 293216
Ion Ratio Lower Upper
112 100
64 52.5 41.4 62.2
63 27.4 23.8 35.8

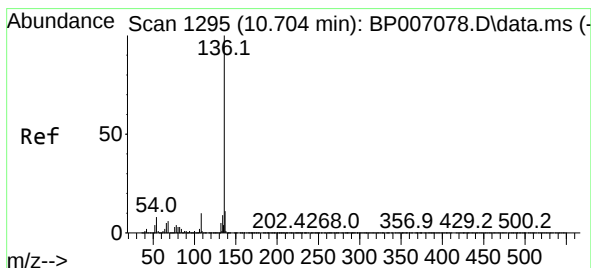
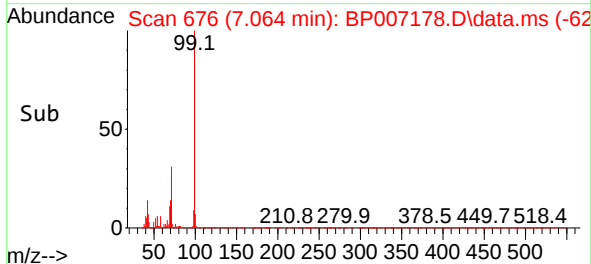
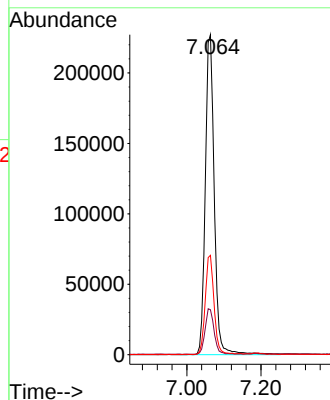
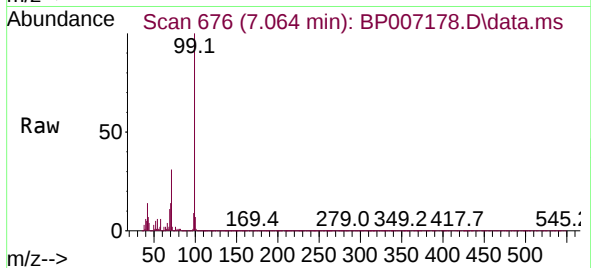




#7
Phenol-d6
Concen: 18.349 ng
RT: 7.064 min Scan# 676
Delta R.T. 0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

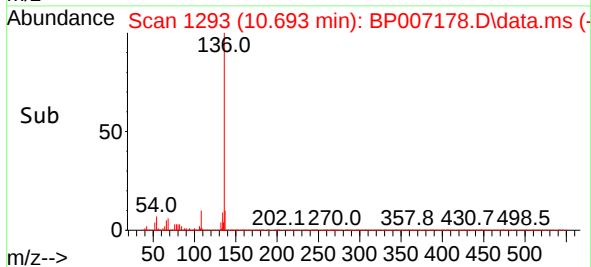
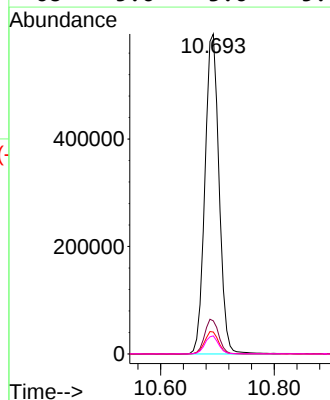
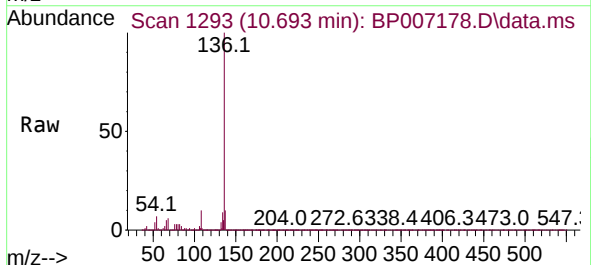
Instrument :
BNA_P
ClientSampleId :

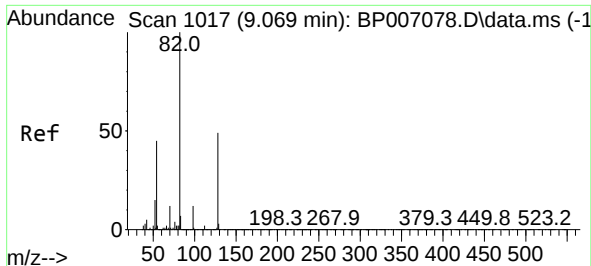
Tgt Ion: 99 Resp: 381773
Ion Ratio Lower Upper
99 100
42 14.1 13.4 20.0
71 31.1 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion: 136 Resp: 1023575
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 6.9 4.6 6.8#
68 5.6 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 12.471 ng

RT: 9.052 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BP007178.D

Acq: 25 Sep 2021 02:10

Tgt Ion: 82 Resp: 219185

Ion Ratio Lower Upper

82 100

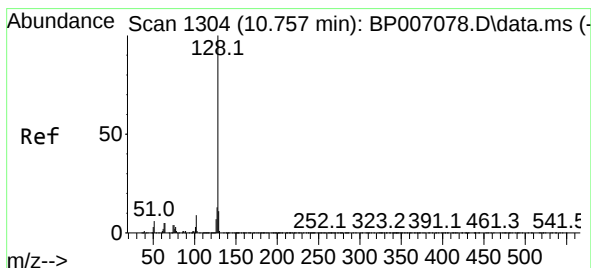
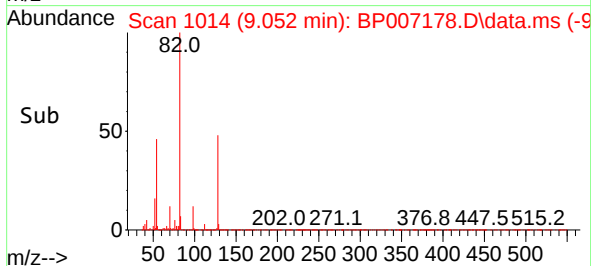
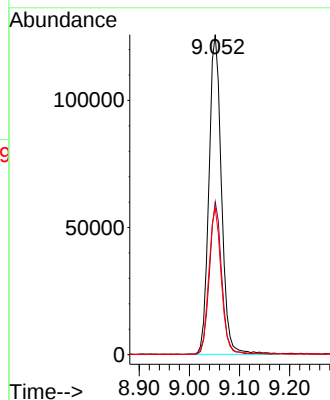
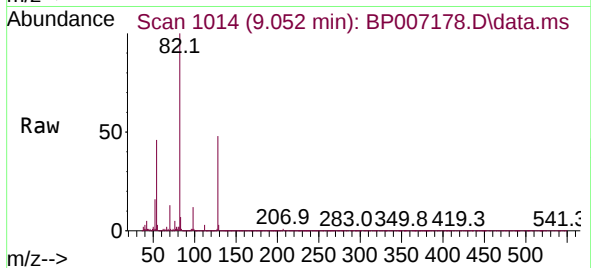
128 47.7 35.7 53.5

54 45.8 35.0 52.4

Instrument :

BNA_P

ClientSampled :



#31

Naphthalene

Concen: 3.281 ng

RT: 10.740 min Scan# 1301

Delta R.T. -0.006 min

Lab File: BP007178.D

Acq: 25 Sep 2021 02:10

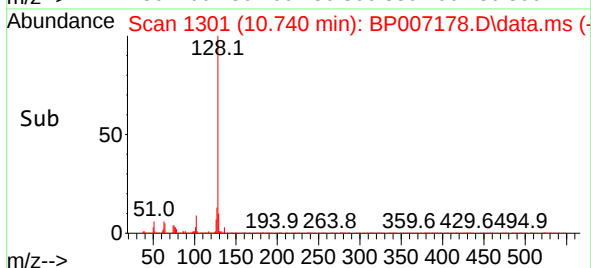
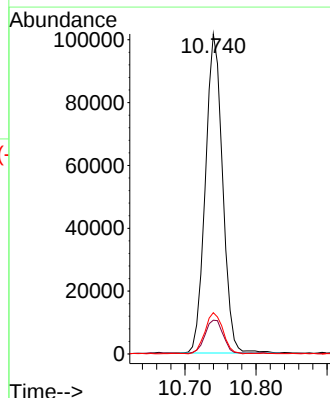
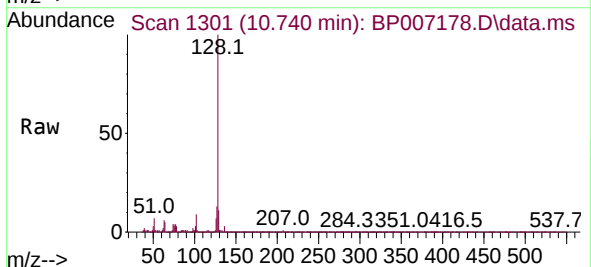
Tgt Ion:128 Resp: 171389

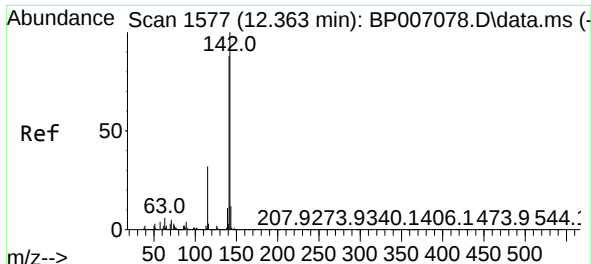
Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

127 12.9 10.7 16.1

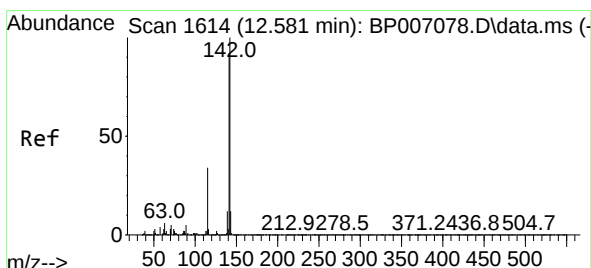
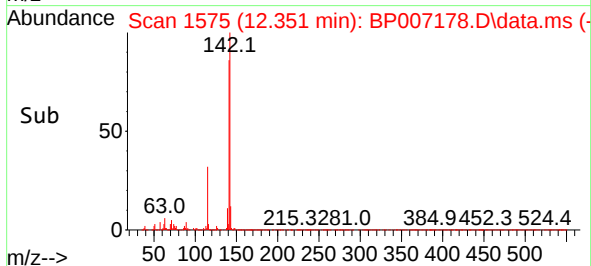
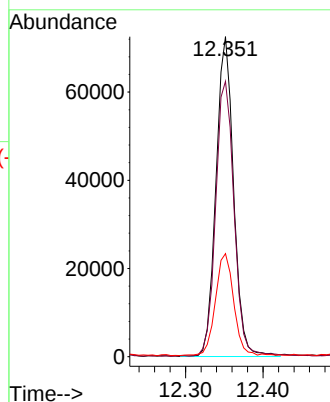
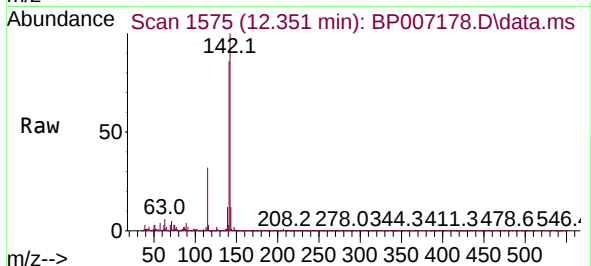




#37
2-Methylnaphthalene
Concen: 3.133 ng
RT: 12.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

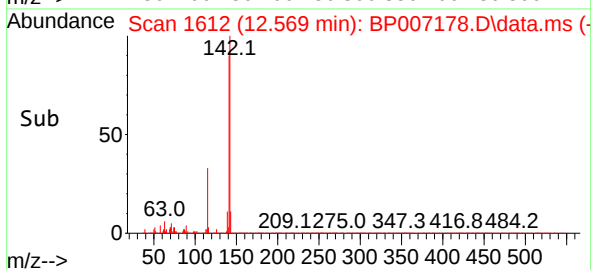
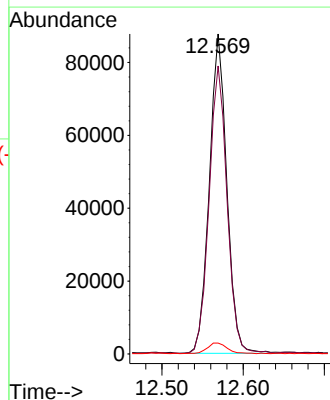
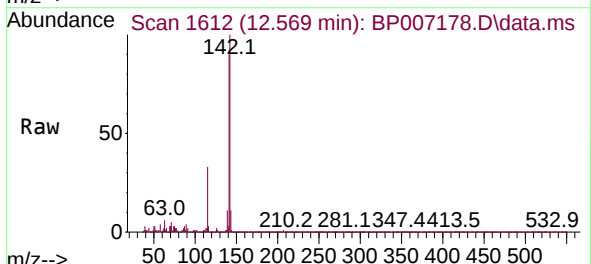
Instrument :
BNA_P
ClientSampleId :

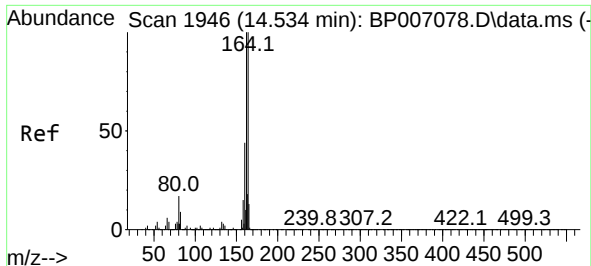
Tgt Ion:	142	Resp:	114614
Ion Ratio	Lower	Upper	
142	100		
141	86.1	71.8	107.6
115	32.2	31.6	47.4



#38
1-Methylnaphthalene
Concen: 3.671 ng
RT: 12.569 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion:	142	Resp:	131188
Ion Ratio	Lower	Upper	
142	100		
141	90.0	73.3	109.9
116	3.4	3.5	5.3#

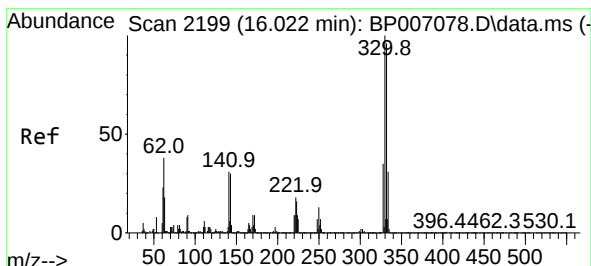
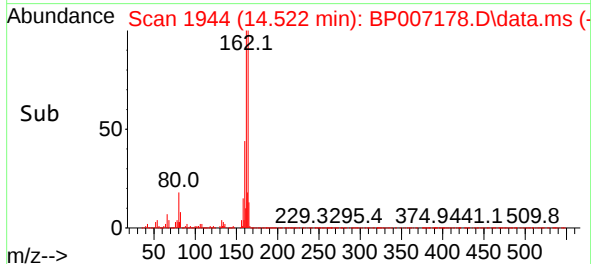
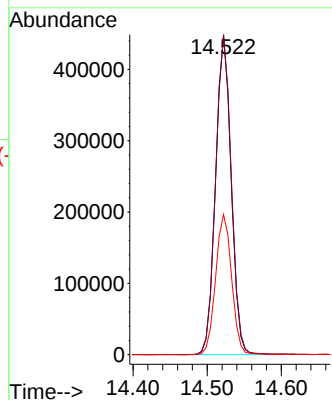
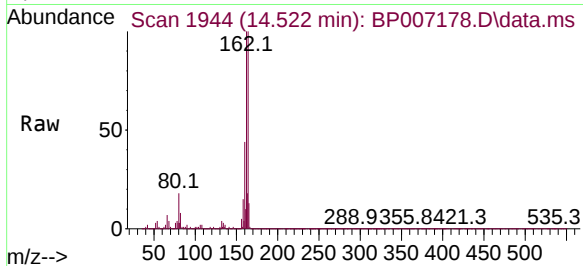




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

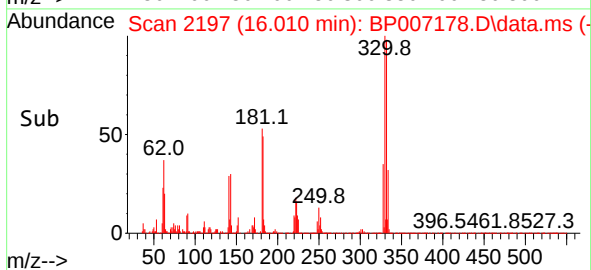
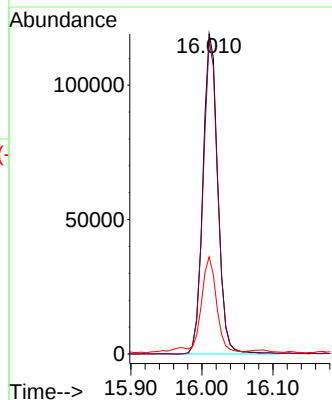
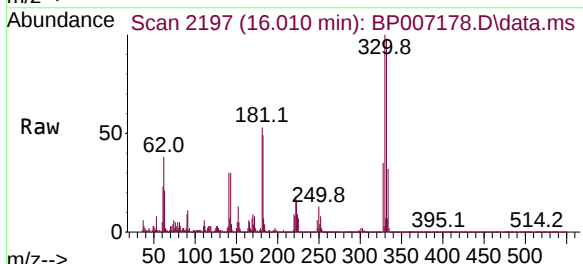
Instrument :
BNA_P
ClientSampleId :

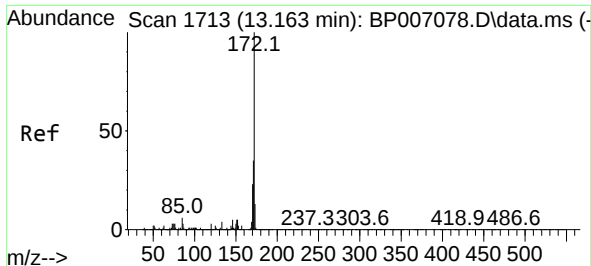
Tgt Ion:164 Resp: 653350
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.2
160 43.8 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 20.483 ng
RT: 16.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion:330 Resp: 173499
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.8
141 29.4 25.4 38.2

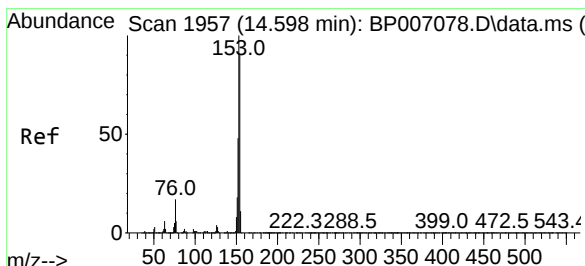
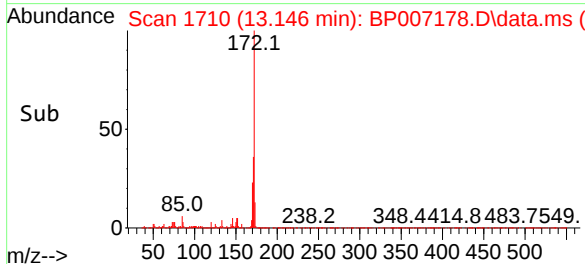
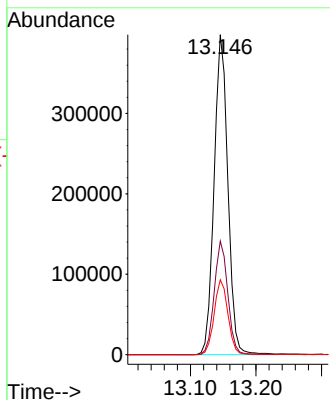
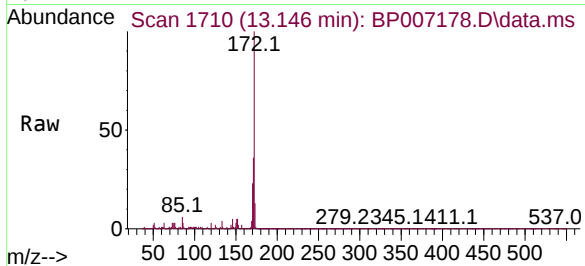




#45
2-Fluorobiphenyl
Concen: 12.689 ng
RT: 13.146 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

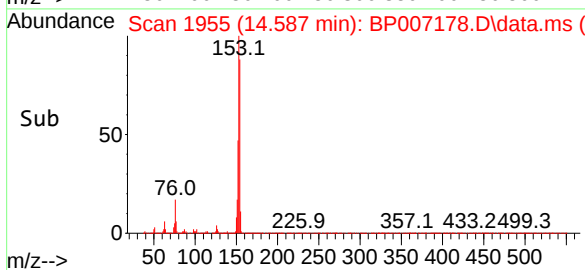
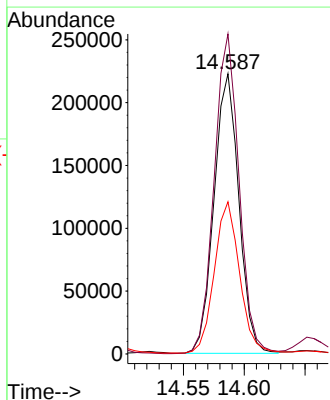
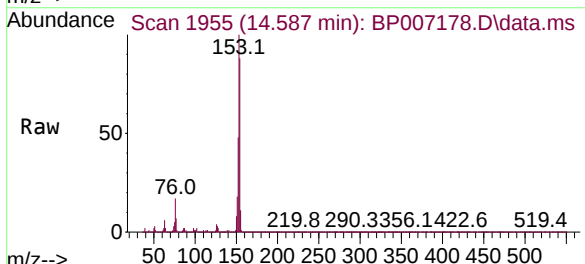
Instrument :
BNA_P
ClientSampleId :

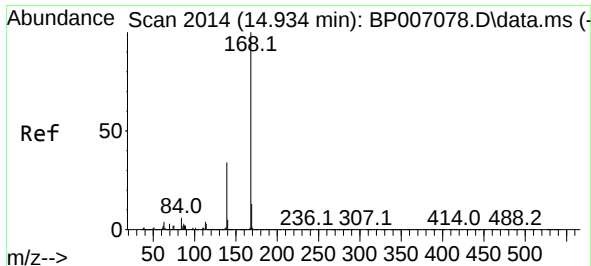
Tgt Ion:172	Resp: 578685
Ion Ratio	Lower Upper
172	100
171	35.5 27.9 41.9
170	23.4 18.6 27.8



#52
Acenaphthene
Concen: 8.994 ng
RT: 14.587 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion:154	Resp: 315941
Ion Ratio	Lower Upper
154	100
153	114.2 89.4 134.2
152	54.3 43.0 64.4

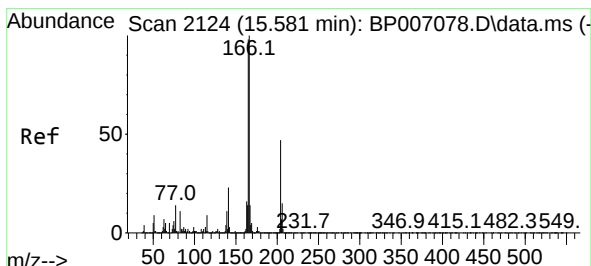
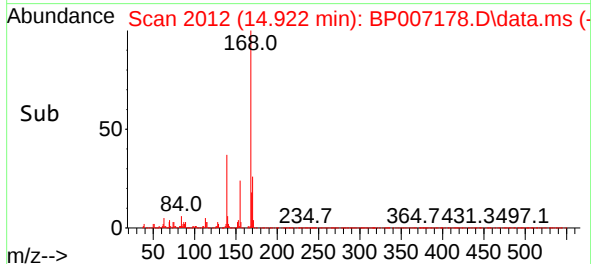
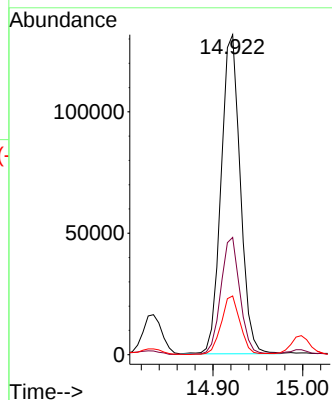
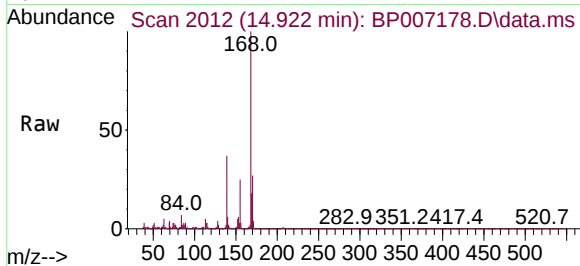




#55
Dibenzenofuran
Concen: 3.331 ng
RT: 14.922 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

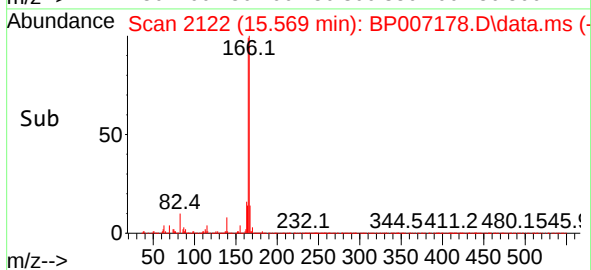
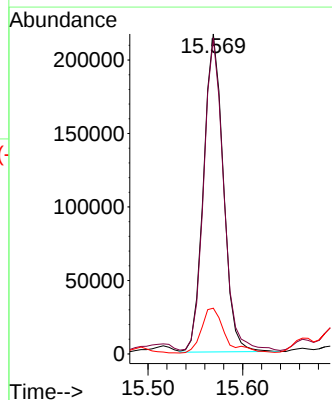
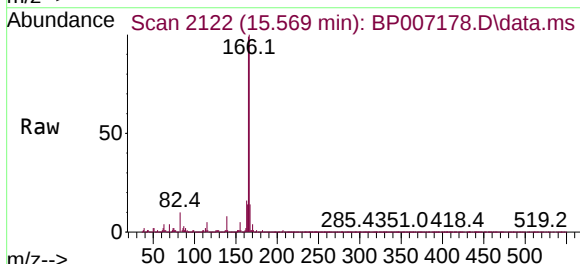
Instrument :
BNA_P
ClientSampleId :

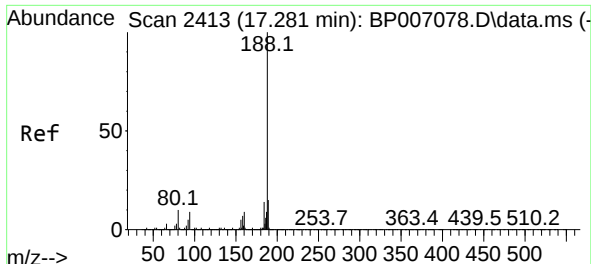
Tgt Ion:168 Resp: 195217
Ion Ratio Lower Upper
168 100
139 36.6 31.0 46.6
169 18.3 10.8 16.2#



#58
Fluorene
Concen: 6.925 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion:166 Resp: 313548
Ion Ratio Lower Upper
166 100
165 98.8 78.0 117.0
167 14.3 10.5 15.7

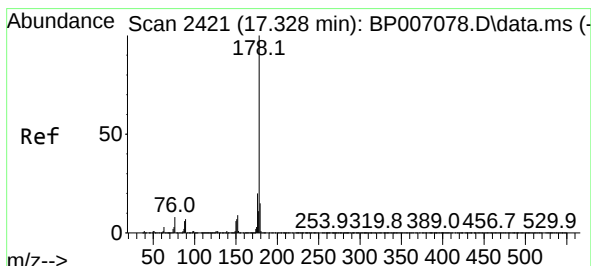
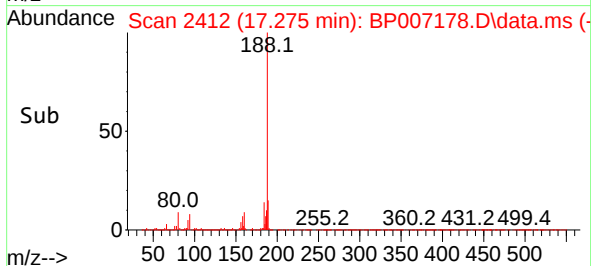
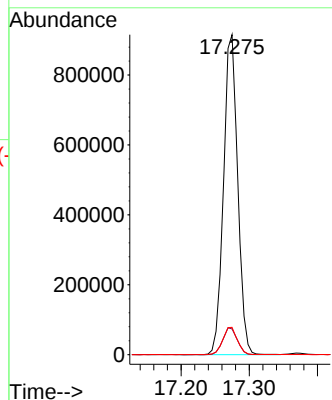
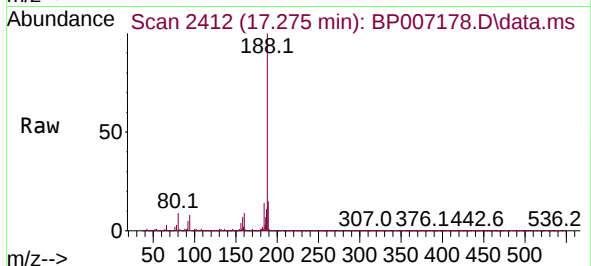




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

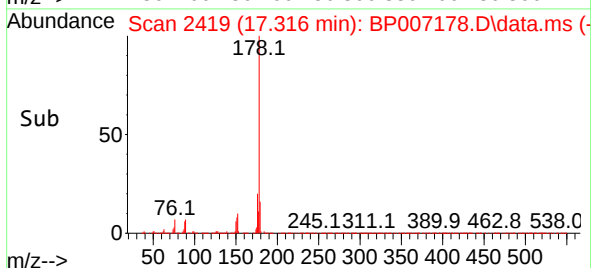
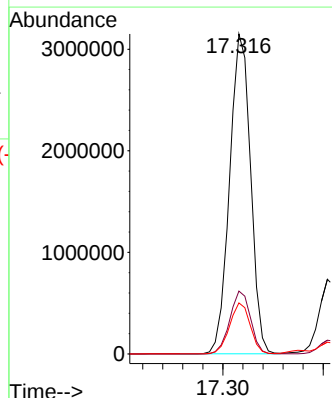
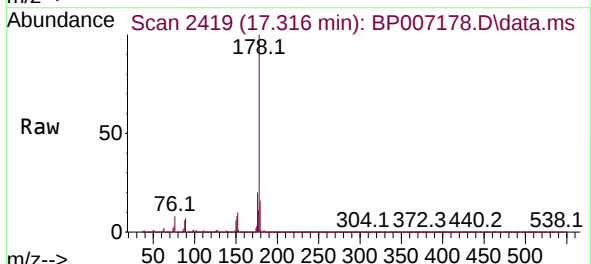
Instrument :
BNA_P
ClientSampleId :

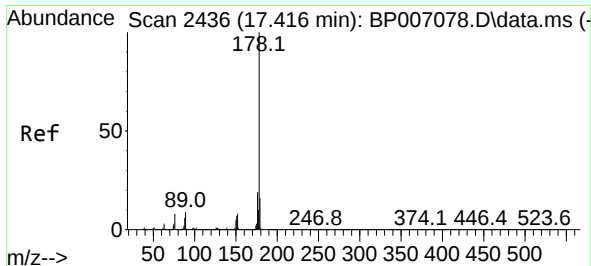
Tgt Ion:188 Resp: 1321647
Ion Ratio Lower Upper
188 100
94 8.0 5.6 8.4
80 8.6 6.3 9.5



#71
Phenanthrene
Concen: 64.626 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion:178 Resp: 4579779
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 16.0 12.4 18.6

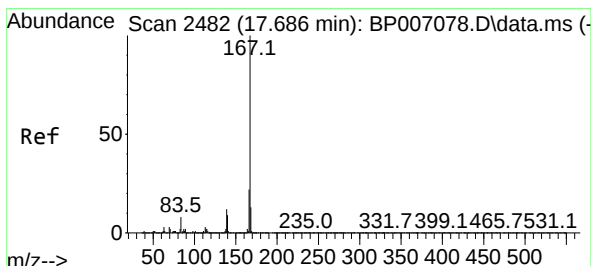
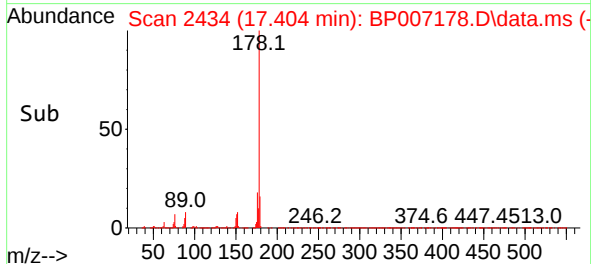
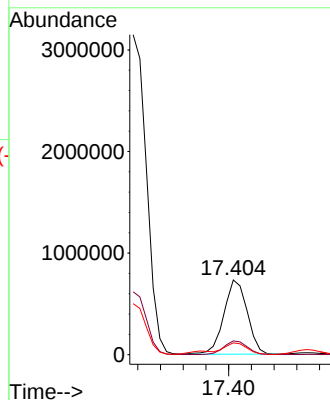
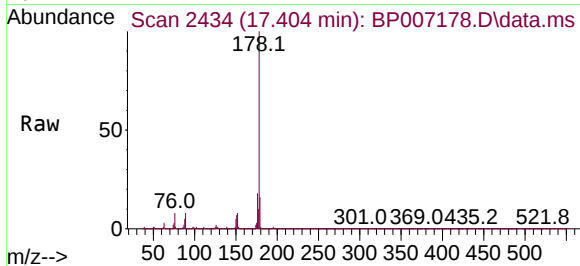




#72
 Anthracene
 Concen: 15.083 ng
 RT: 17.404 min Scan# 2434
 Delta R.T. -0.006 min
 Lab File: BP007178.D
 Acq: 25 Sep 2021 02:10

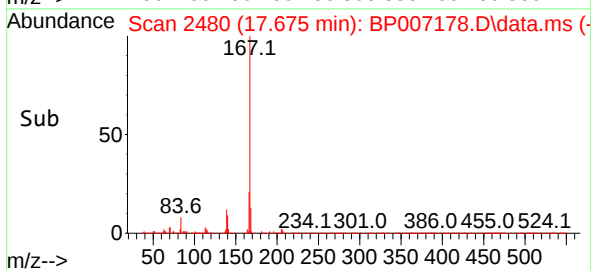
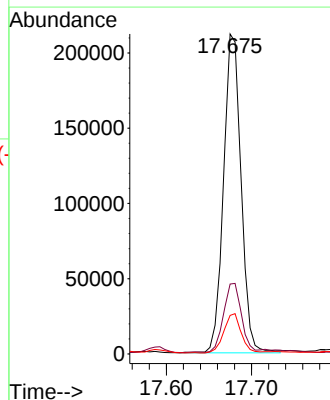
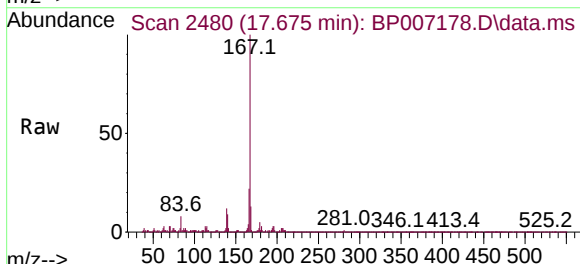
Instrument :
 BNA_P
 ClientSampleId :

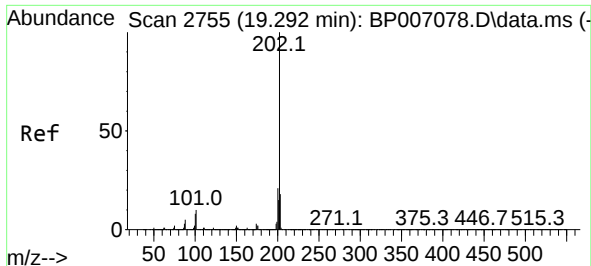
Tgt Ion:178 Resp: 1045607
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.9 22.3
 179 15.8 12.2 18.2



#73
 Carbazole
 Concen: 4.462 ng
 RT: 17.675 min Scan# 2480
 Delta R.T. -0.006 min
 Lab File: BP007178.D
 Acq: 25 Sep 2021 02:10

Tgt Ion:167 Resp: 303125
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.1 25.7
 139 12.1 10.7 16.1

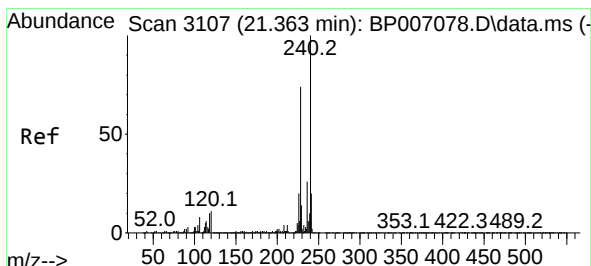
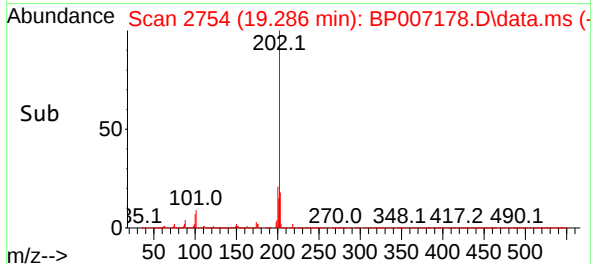
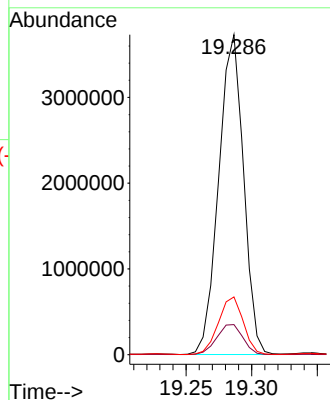
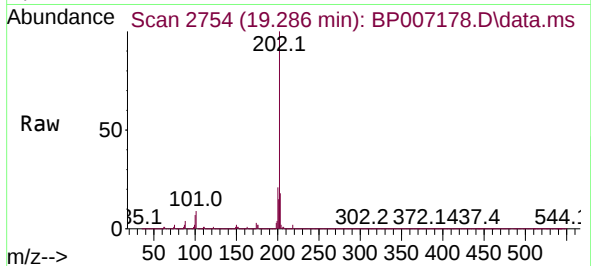




#75
Fluoranthene
Concen: 60.107 ng
RT: 19.286 min Scan# 2754
Delta R.T. 0.006 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

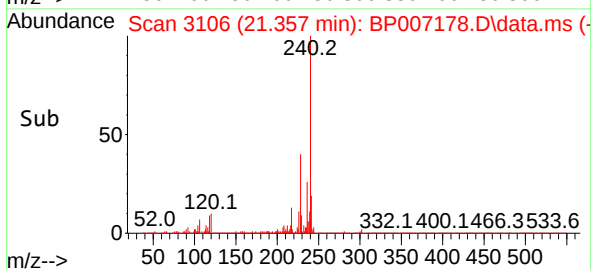
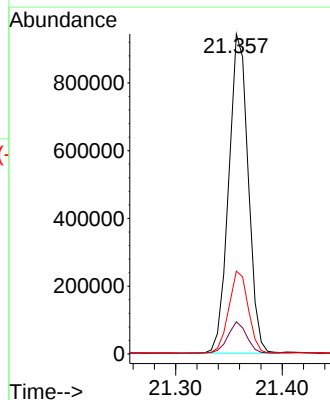
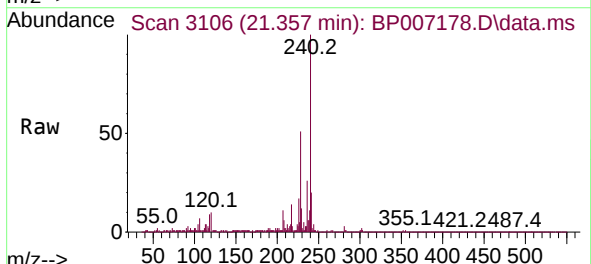
Instrument :
BNA_P
ClientSampled :

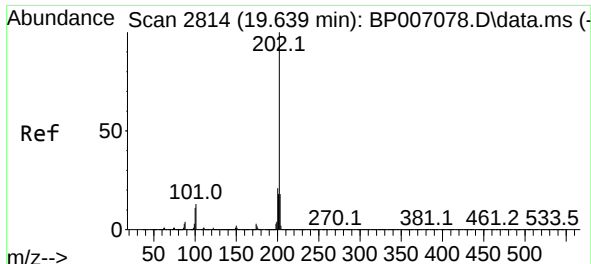
Tgt Ion:202 Resp: 4907529
Ion Ratio Lower Upper
202 100
101 9.4 0.0 27.6
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion:240 Resp: 1192149
Ion Ratio Lower Upper
240 100
120 10.1 6.5 9.7#
236 25.9 20.6 31.0

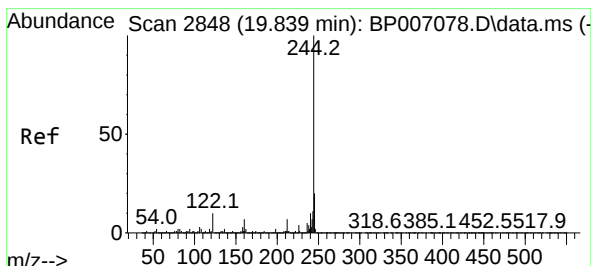
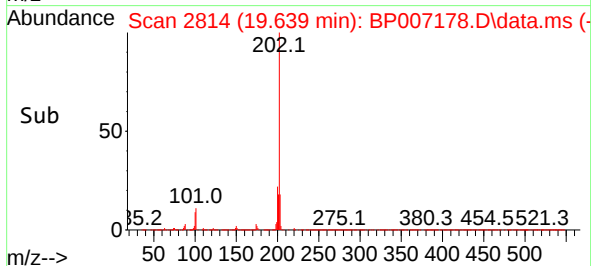
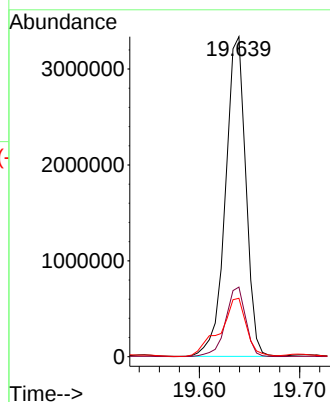
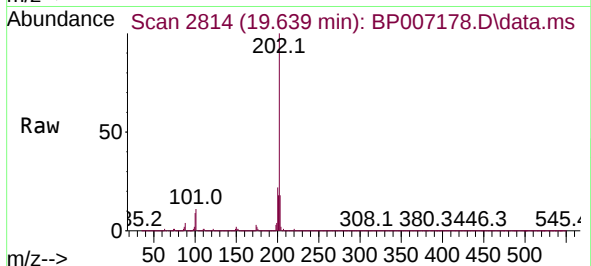




#78
Pyrene
Concen: 59.978 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

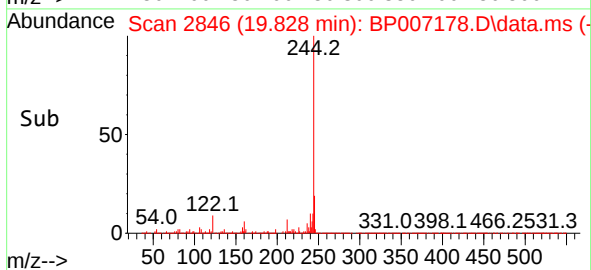
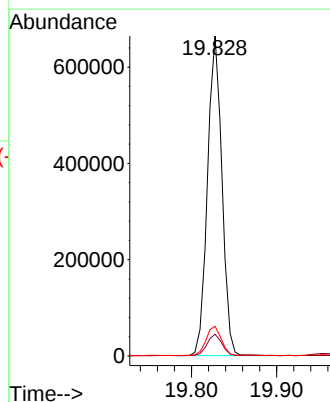
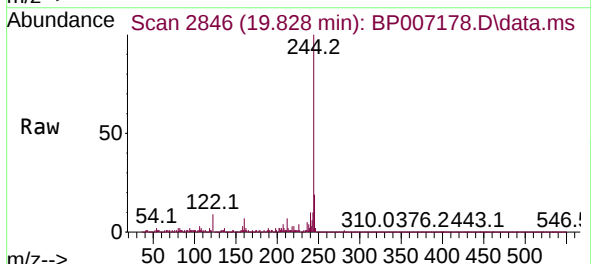
Instrument :
BNA_P
ClientSampleId :

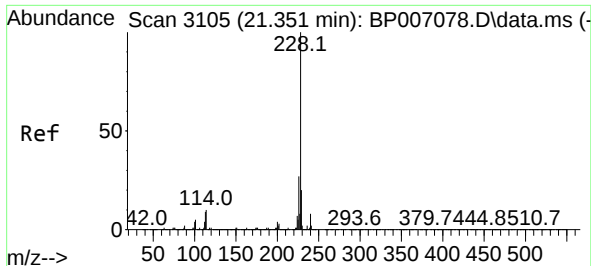
Tgt Ion:202 Resp: 4691197
Ion Ratio Lower Upper
202 100
200 21.7 16.3 24.5
203 18.2 14.2 21.2



#79
Terphenyl-d14
Concen: 12.537 ng
RT: 19.828 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion:244 Resp: 779926
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 9.3 7.1 10.7

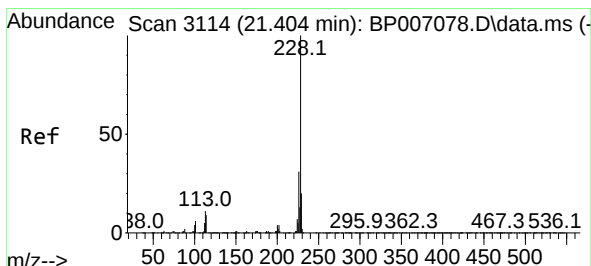
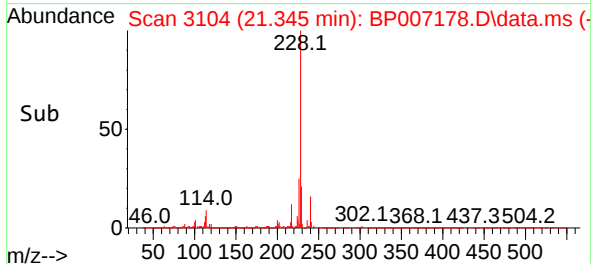
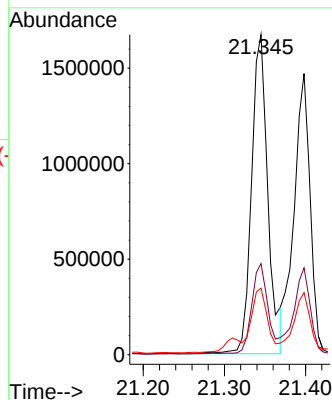
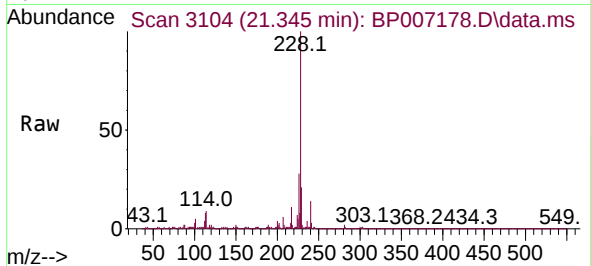




#81
Benzo(a)anthracene
Concen: 30.207 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

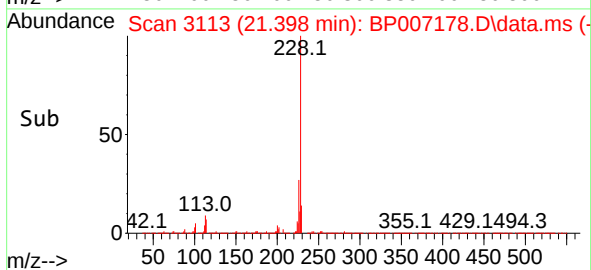
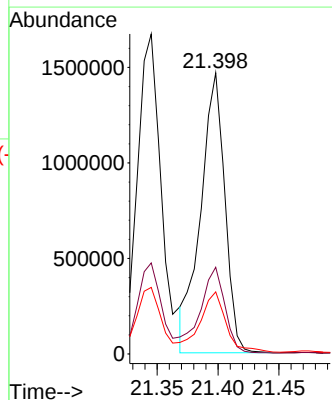
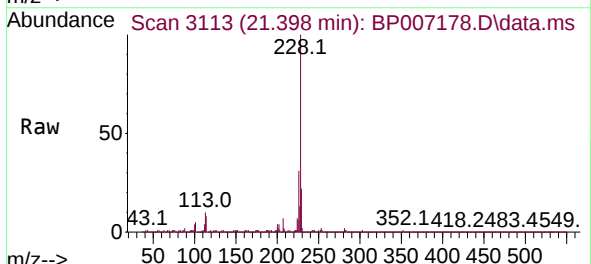
Instrument :
BNA_P
ClientSampleId :

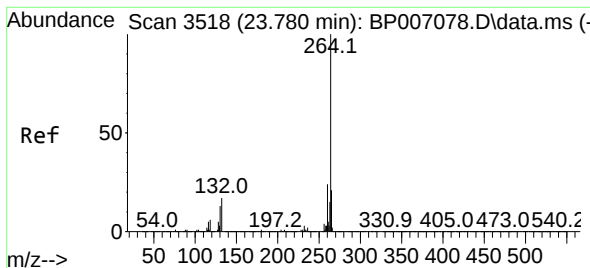
Tgt Ion:228 Resp: 2337435
Ion Ratio Lower Upper
228 100
226 28.4 21.6 32.4
229 20.8 15.8 23.6



#83
Chrysene
Concen: 27.384 ng
RT: 21.398 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion:228 Resp: 2025226
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.6
229 22.1 15.4 23.2

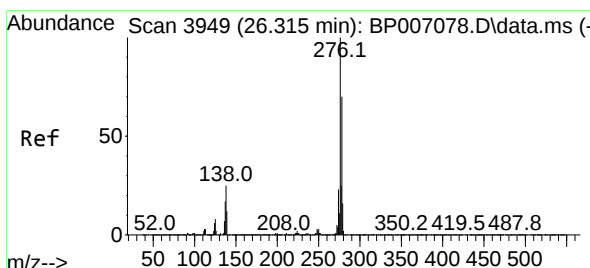
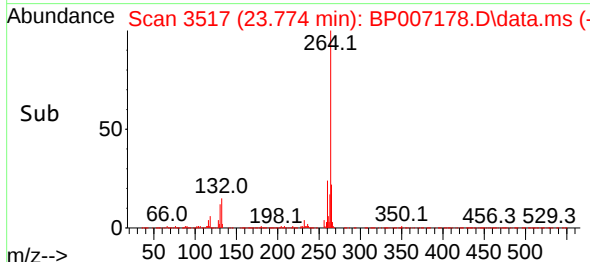
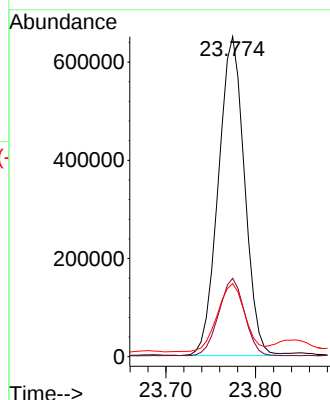
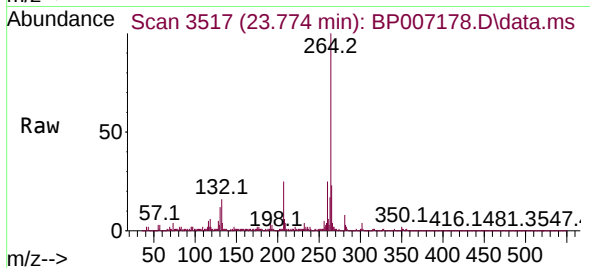




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3517
Delta R.T. 0.006 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

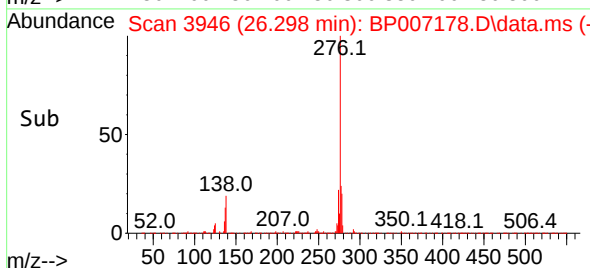
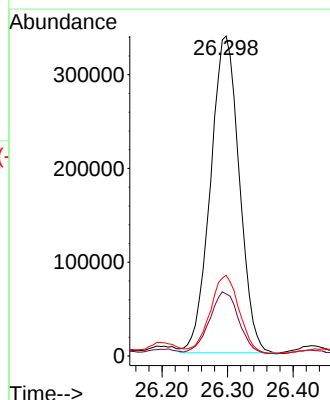
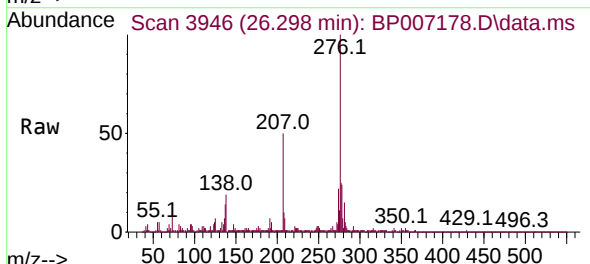
Instrument :
BNA_P
ClientSampled :

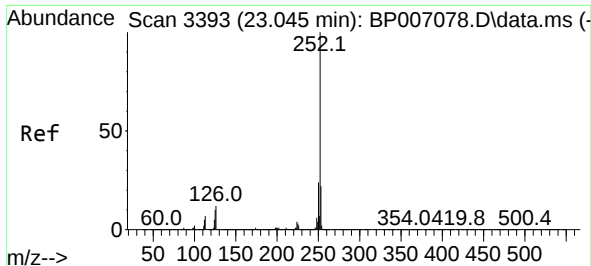
Tgt Ion:264 Resp: 1313575
Ion Ratio Lower Upper
264 100
260 24.5 18.6 28.0
265 22.9 17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.930 ng
RT: 26.298 min Scan# 3946
Delta R.T. -0.006 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion:276 Resp: 1031786
Ion Ratio Lower Upper
276 100
138 20.0 15.3 22.9
277 25.2 20.4 30.6

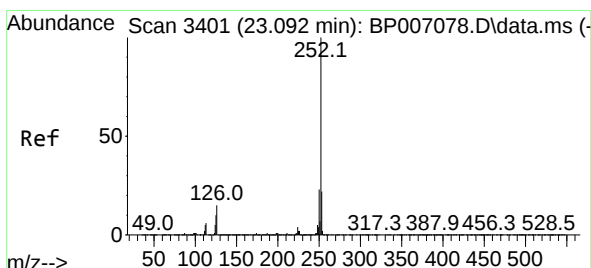
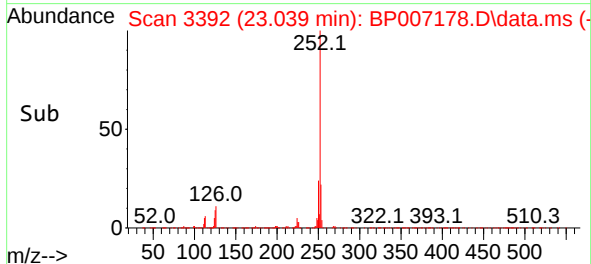
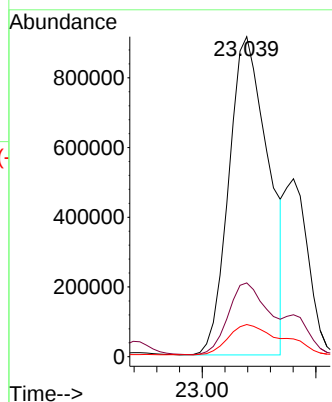
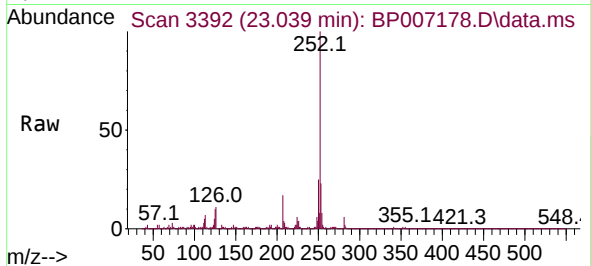




#88
Benzo(b)fluoranthene
Concen: 28.249 ng
RT: 23.039 min Scan# 3392
Delta R.T. 0.006 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

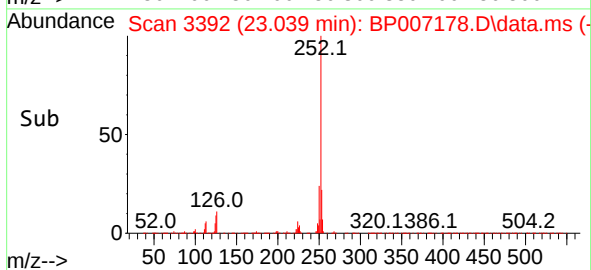
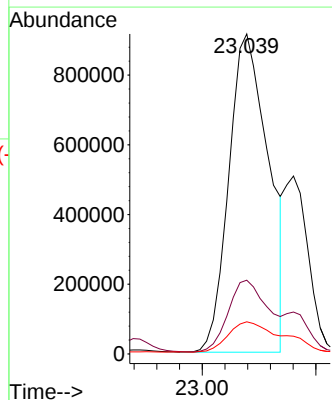
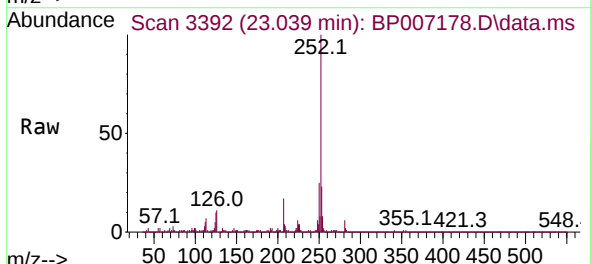
Instrument :
BNA_P
ClientSampleId :

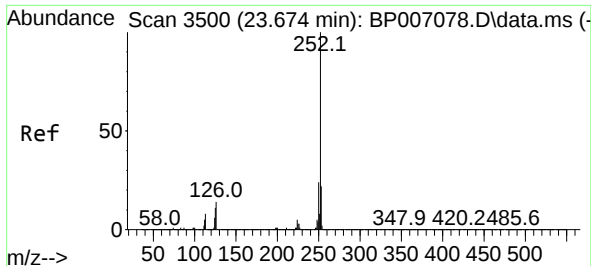
Tgt Ion:252 Resp: 2217583
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.1 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 27.901 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.047 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion:252 Resp: 2217583
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 10.1 6.0 9.0#

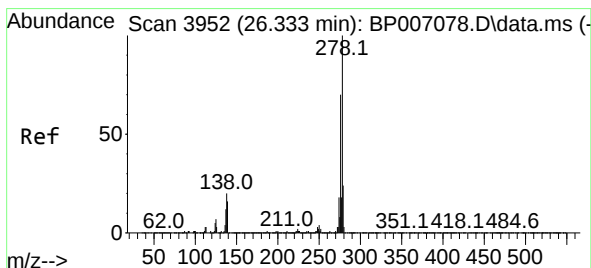
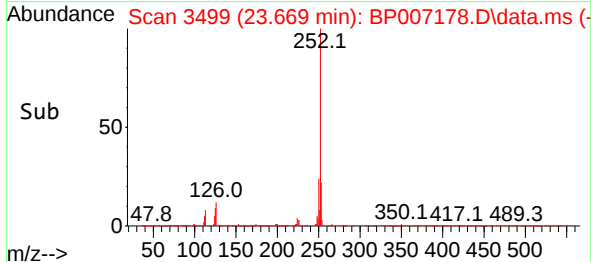
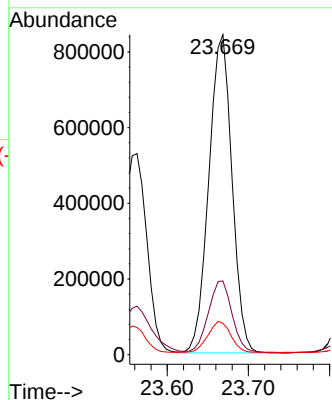
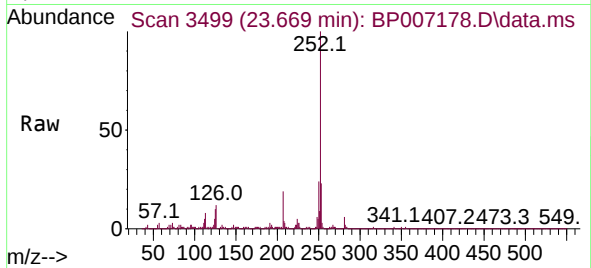




#90
Benzo(a)pyrene
Concen: 24.998 ng
RT: 23.669 min Scan# 3499
Delta R.T. 0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

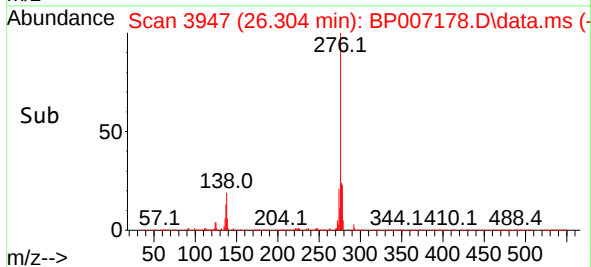
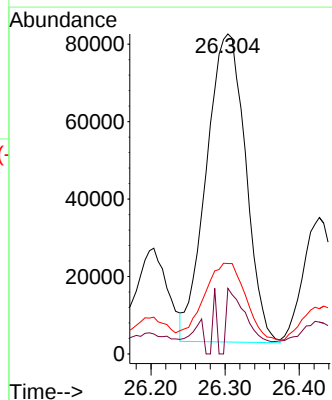
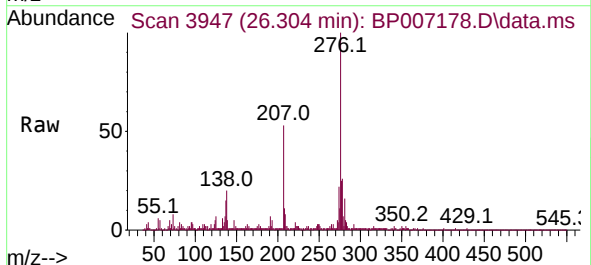
Instrument :
BNA_P
ClientSampleId :

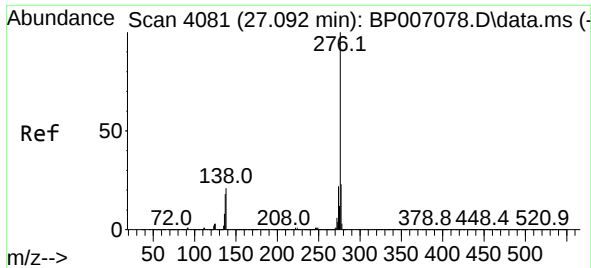
Tgt Ion:252 Resp: 1667232
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 9.8 6.5 9.7#



#91
Dibenzo(a,h)anthracene
Concen: 3.700 ng
RT: 26.304 min Scan# 3947
Delta R.T. -0.012 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Tgt Ion:278 Resp: 292703
Ion Ratio Lower Upper
278 100
139 24.0 9.3 13.9#
279 28.2 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 12.857 ng
RT: 27.074 min Scan# 4078
Delta R.T. 0.000 min
Lab File: BP007178.D
Acq: 25 Sep 2021 02:10

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:276 Resp: 992554
Ion Ratio Lower Upper
276 100
277 25.4 18.9 28.3
138 19.9 12.6 18.8#

