

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
 Data File : BP007209.D
 Acq On : 27 Sep 2021 17:15
 Operator : CG/JU
 Sample : M3934-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-5

Quant Time: Sep 27 17:47:59 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)

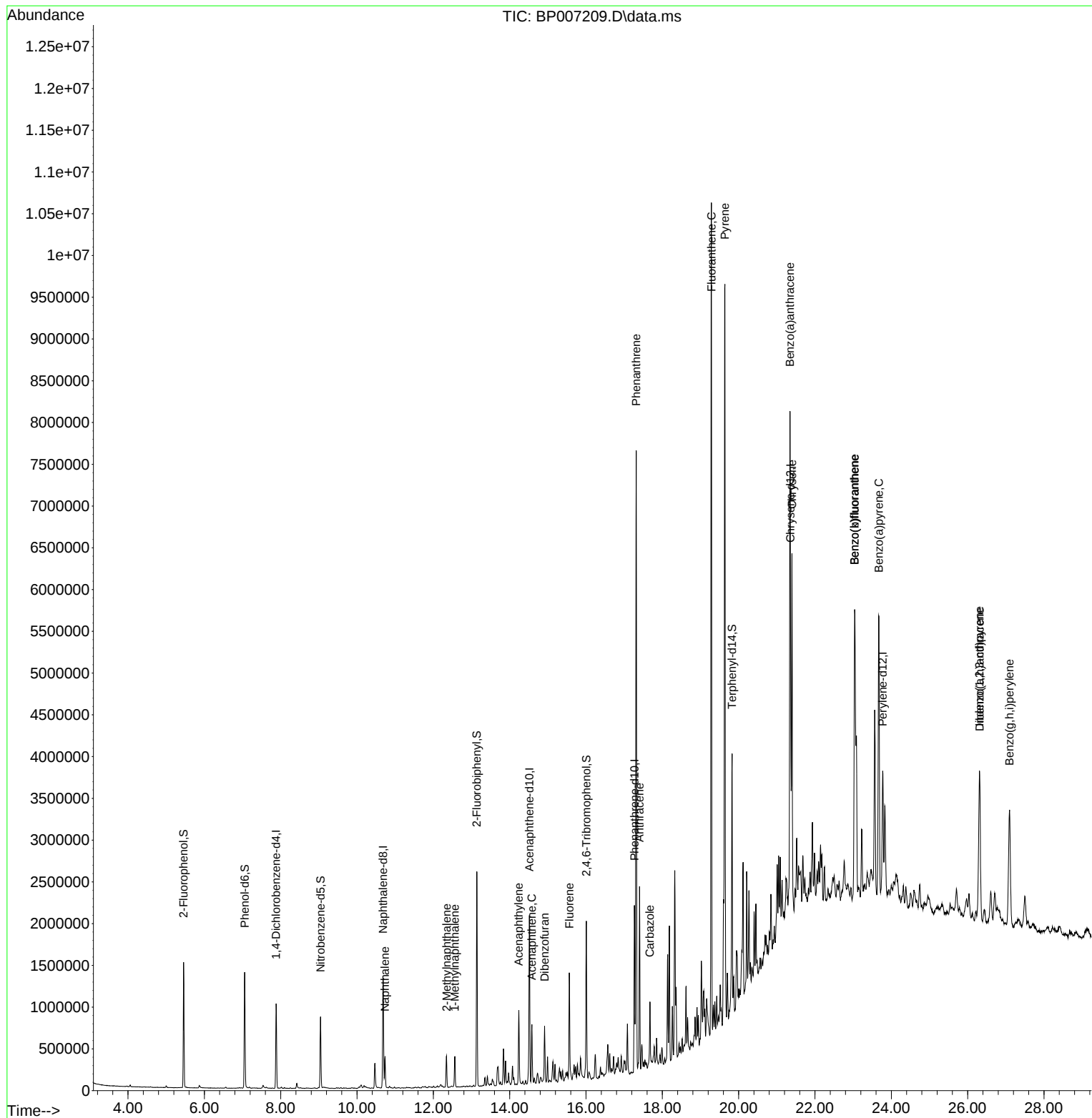
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	291894	20.000	ng	-0.01
21) Naphthalene-d8	10.681	136	1150050	20.000	ng	#-0.01
39) Acenaphthene-d10	14.516	164	707335	20.000	ng	-0.01
64) Phenanthrene-d10	17.269	188	1245651	20.000	ng	0.00
76) Chrysene-d12	21.357	240	1052013	20.000	ng	0.00
86) Perylene-d12	23.774	264	1209080	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	677413	38.848	ng	0.00
7) Phenol-d6	7.058	99	838593	35.187	ng	0.00
23) Nitrobenzene-d5	9.046	82	503289	25.486	ng	-0.01
42) 2,4,6-Tribromophenol	16.010	330	364242	39.720	ng	0.00
45) 2-Fluorobiphenyl	13.140	172	1347274	27.287	ng	-0.01
79) Terphenyl-d14	19.828	244	1405634	25.604	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.734	128	306439	5.221	ng	100
37) 2-Methylnaphthalene	12.346	142	183475	4.464	ng	97
38) 1-Methylnaphthalene	12.563	142	177527	4.421	ng	99
49) Acenaphthylene	14.240	152	594393	9.469	ng	99
52) Acenaphthene	14.581	154	255373	6.715	ng	97
55) Dibenzofuran	14.916	168	284191	4.479	ng	# 94
58) Fluorene	15.563	166	580882	11.850	ng	99
71) Phenanthrene	17.316	178	4643821	69.528	ng	99
72) Anthracene	17.404	178	1387870	21.242	ng	99
73) Carbazole	17.675	167	460813	7.197	ng	97
75) Fluoranthene	19.286	202	6187208	80.404	ng	98
78) Pyrene	19.639	202	5792892	83.929	ng	98
81) Benzo(a)anthracene	21.345	228	2821387	41.317	ng	95
83) Chrysene	21.398	228	2485798	38.089	ng	96
87) Indeno(1,2,3-cd)pyrene	26.310	276	1980376	22.792	ng	97
88) Benzo(b)fluoranthene	23.039	252	3482996	48.203	ng	97
89) Benzo(k)fluoranthene	23.039	252	3482996	47.609	ng	# 97
90) Benzo(a)pyrene	23.674	252	2866980	46.702	ng	98
91) Dibenzo(a,h)anthracene	26.315	278	497608	6.834	ng	# 82
92) Benzo(g,h,i)perylene	27.098	276	1952212	27.472	ng	98

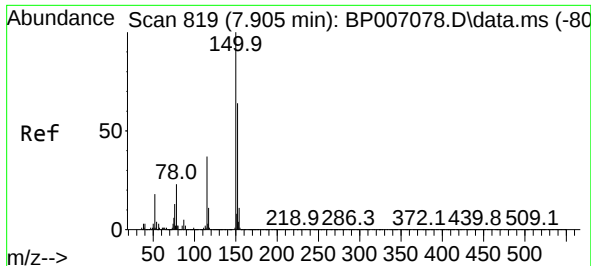
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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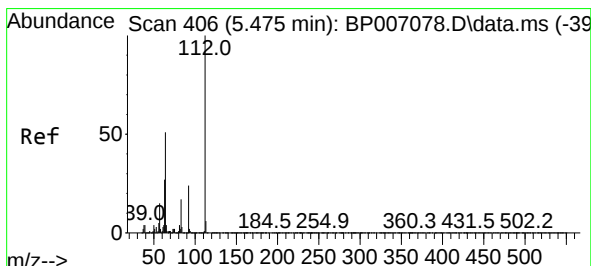
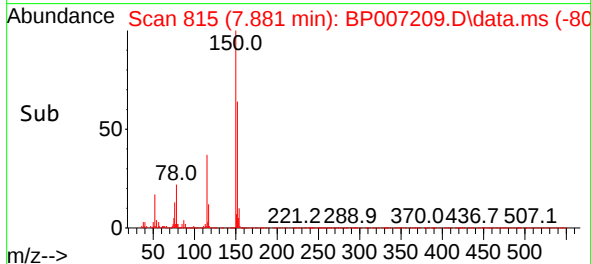
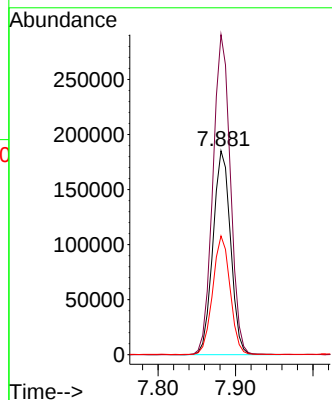
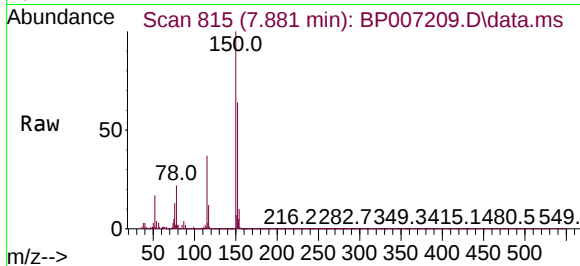




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 815
Delta R.T. -0.012 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

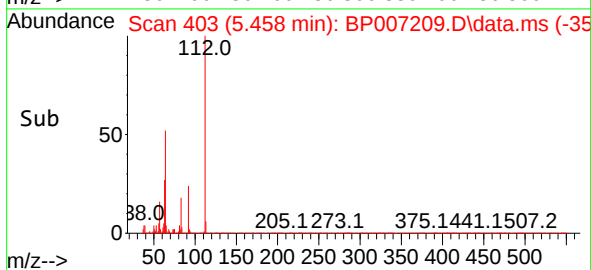
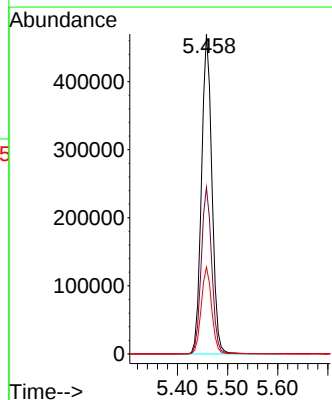
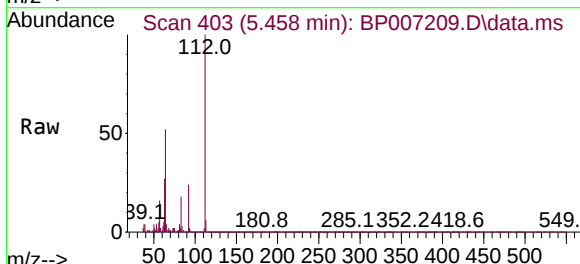
Instrument :
BNA_P
ClientSampleId :
TP-5

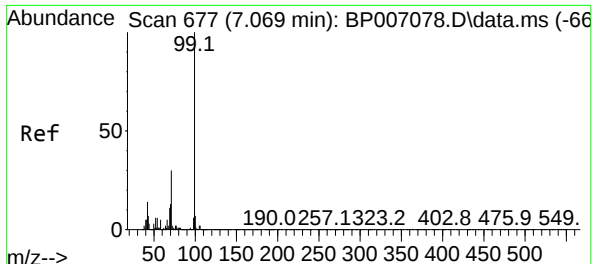
Tgt Ion:152 Resp: 291894
Ion Ratio Lower Upper
152 100
150 156.9 125.6 188.4
115 58.2 48.5 72.7



#5
2-Fluorophenol
Concen: 38.848 ng
RT: 5.458 min Scan# 403
Delta R.T. -0.006 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

Tgt Ion:112 Resp: 677413
Ion Ratio Lower Upper
112 100
64 52.1 41.4 62.2
63 27.2 23.8 35.8

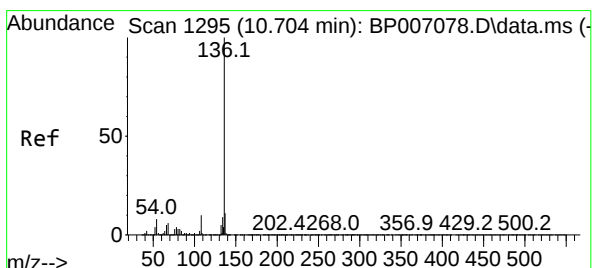
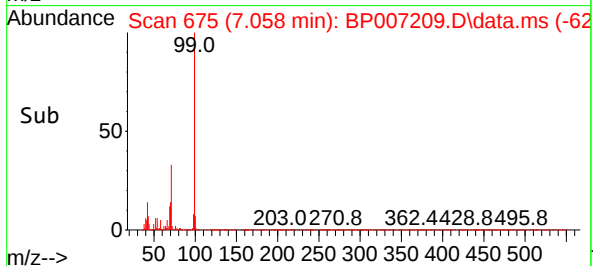
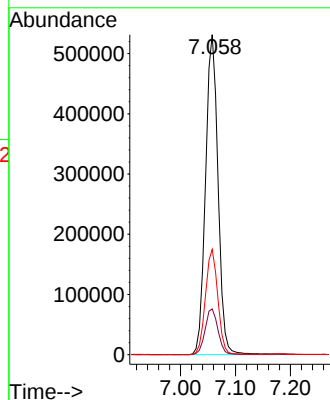
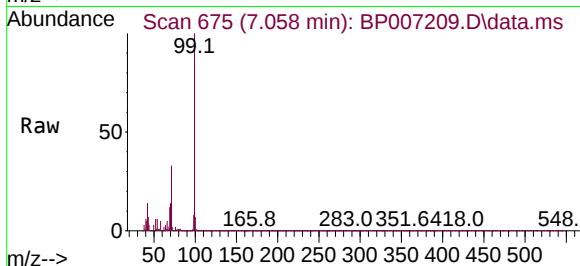




#7
Phenol-d6
Concen: 35.187 ng
RT: 7.058 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

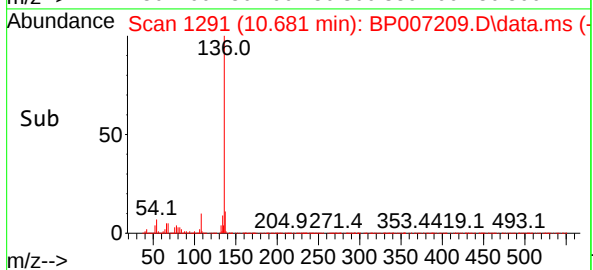
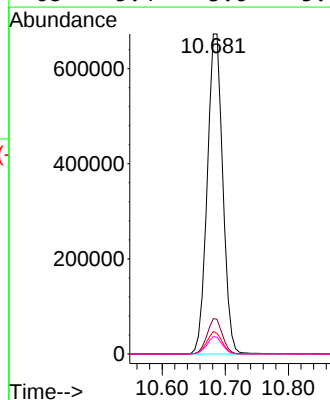
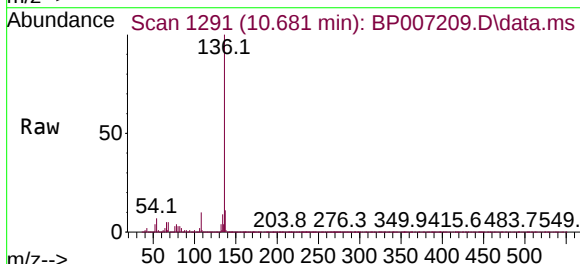
Instrument :
BNA_P
ClientSampled :
TP-5

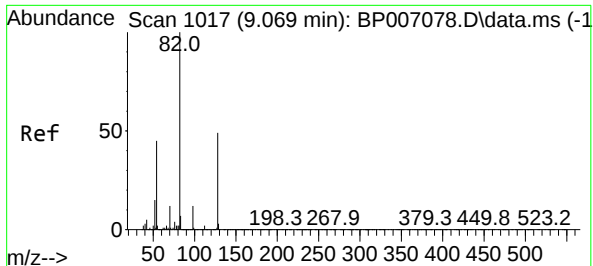
Tgt Ion:	99	Resp:	838593
Ion	Ratio	Lower	Upper
99	100		
42	14.3	13.4	20.0
71	32.9	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.681 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

Tgt Ion:	136	Resp:	1150050
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	7.0	4.6	6.8#
68	5.4	3.6	5.4#

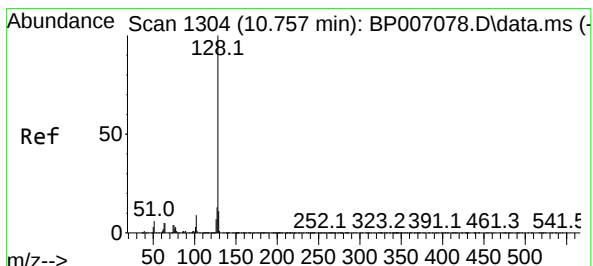
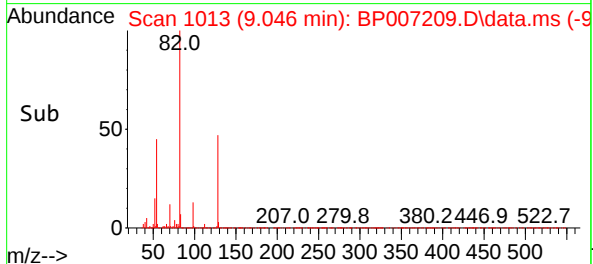
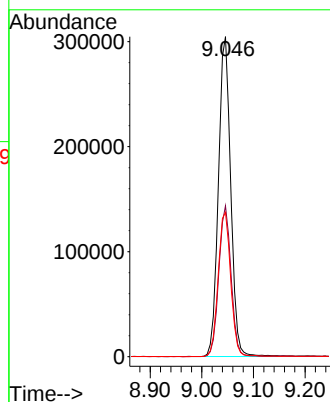
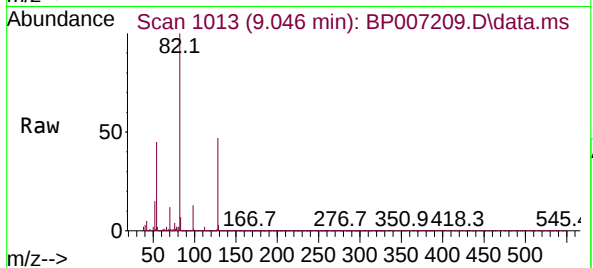




#23
Nitrobenzene-d5
Concen: 25.486 ng
RT: 9.046 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

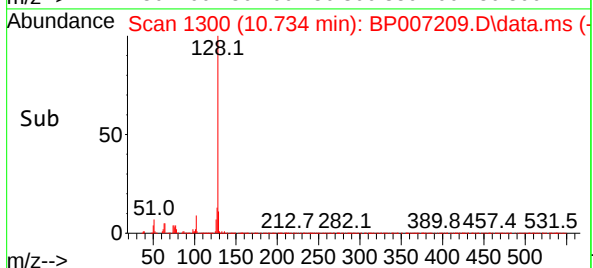
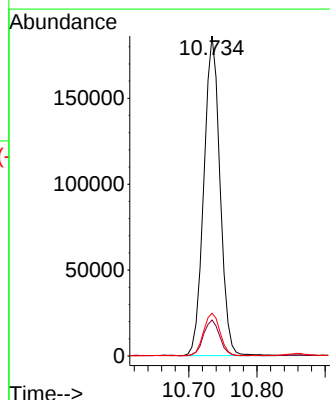
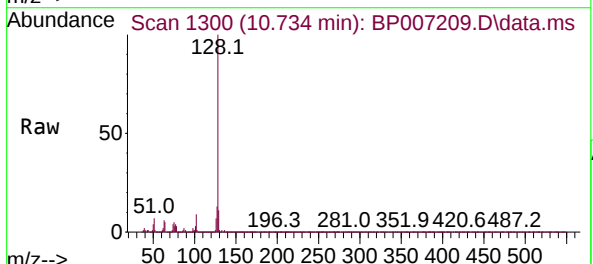
Instrument :
BNA_P
ClientSampled :
TP-5

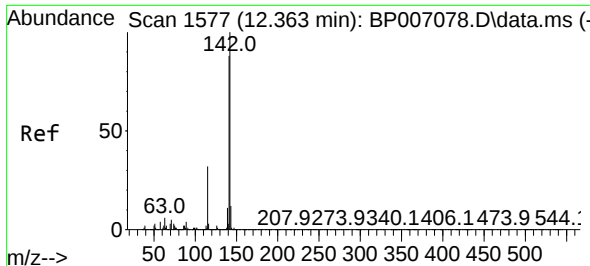
Tgt Ion: 82 Resp: 503289
Ion Ratio Lower Upper
82 100
128 47.1 35.7 53.5
54 45.1 35.0 52.4



#31
Naphthalene
Concen: 5.221 ng
RT: 10.734 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

Tgt Ion: 128 Resp: 306439
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.3 10.7 16.1

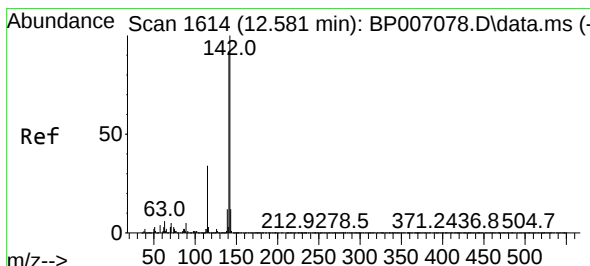
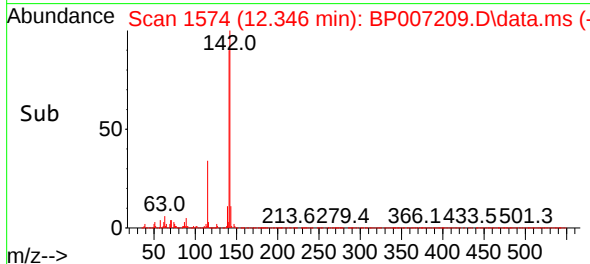
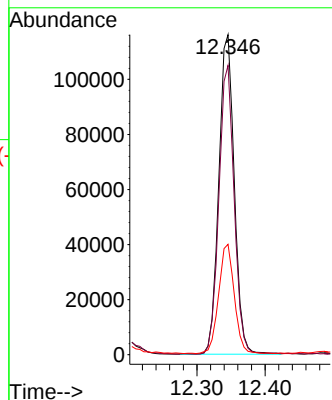
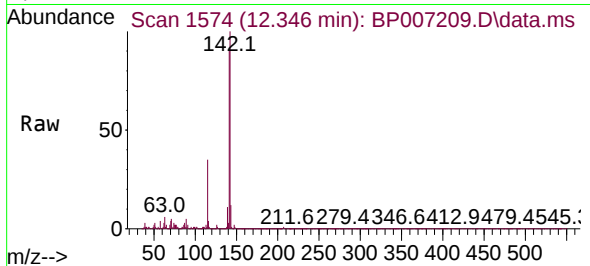




#37
2-Methylnaphthalene
Concen: 4.464 ng
RT: 12.346 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

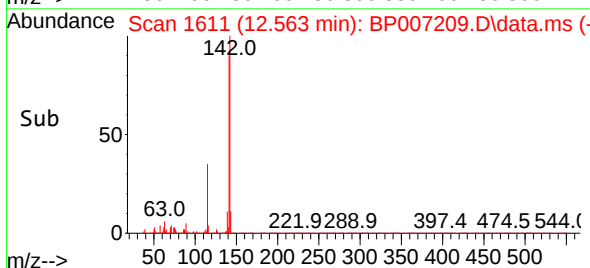
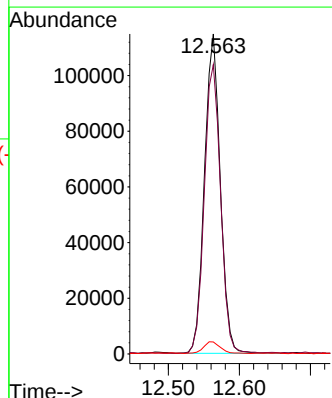
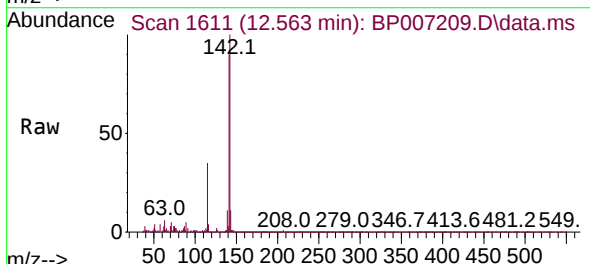
Instrument :
BNA_P
ClientSampleId :
TP-5

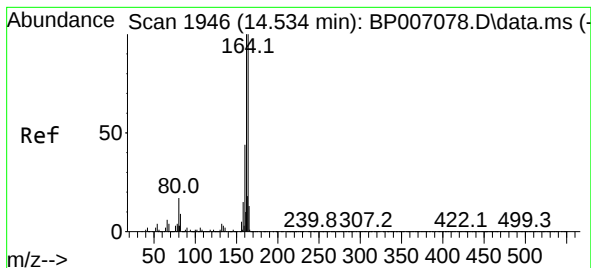
Tgt Ion:142 Resp: 183475
Ion Ratio Lower Upper
142 100
141 90.4 71.8 107.6
115 34.5 31.6 47.4



#38
1-Methylnaphthalene
Concen: 4.421 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.012 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

Tgt Ion:142 Resp: 177527
Ion Ratio Lower Upper
142 100
141 90.4 73.3 109.9
116 3.8 3.5 5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.516 min Scan# 1943

Delta R.T. -0.012 min

Lab File: BP007209.D

Acq: 27 Sep 2021 17:15

Instrument :

BNA_P

ClientSampled :

TP-5

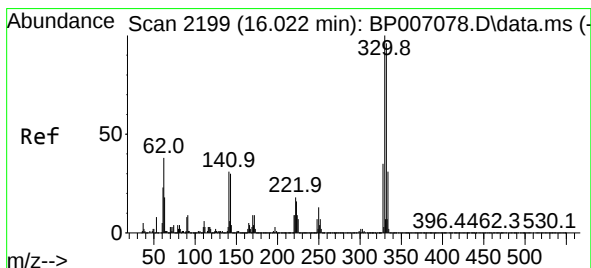
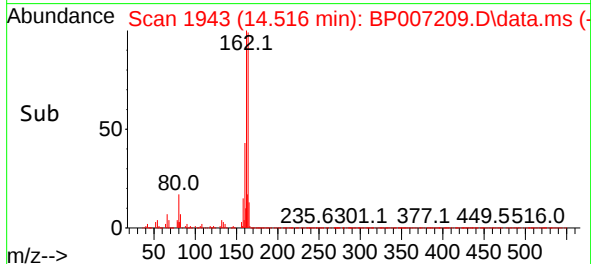
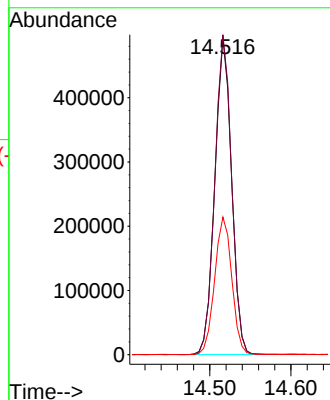
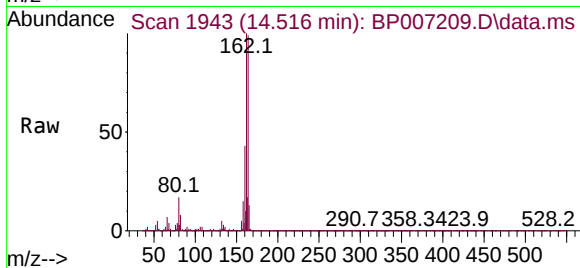
Tgt Ion:164 Resp: 707335

Ion Ratio Lower Upper

164 100

162 101.1 80.2 120.2

160 43.5 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 39.720 ng

RT: 16.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BP007209.D

Acq: 27 Sep 2021 17:15

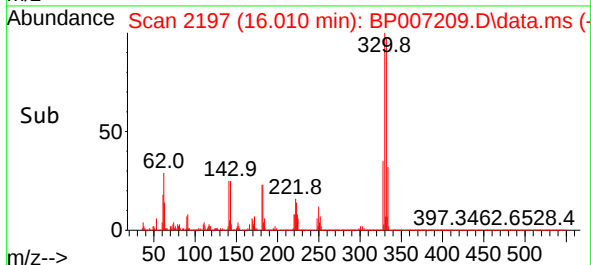
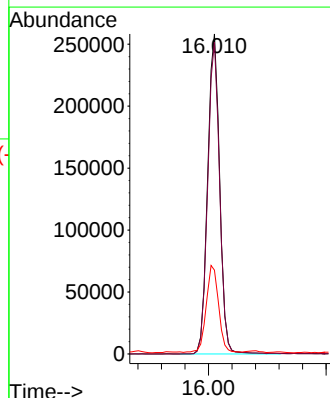
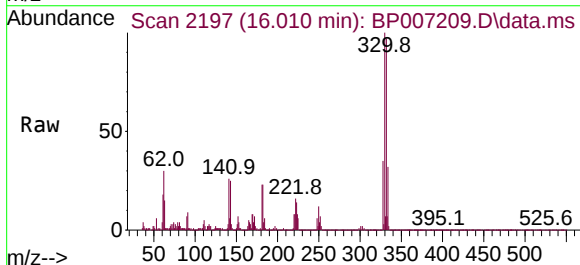
Tgt Ion:330 Resp: 364242

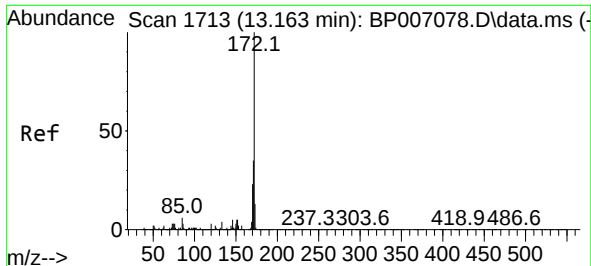
Ion Ratio Lower Upper

330 100

332 96.8 77.8 116.8

141 28.0 25.4 38.2

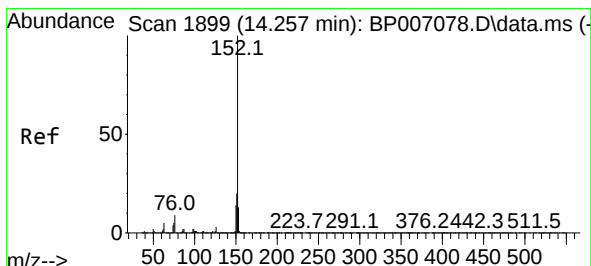
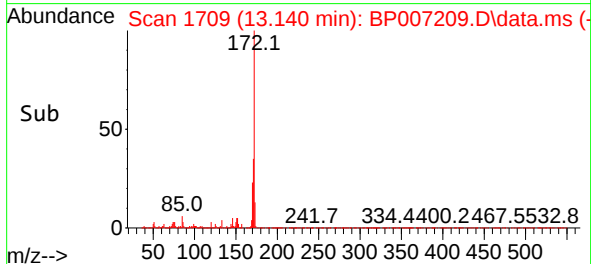
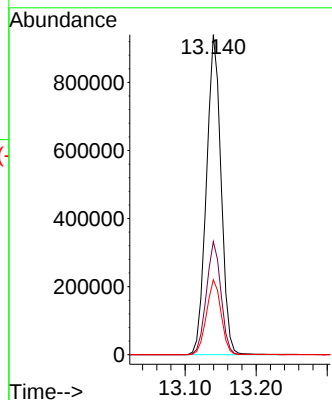
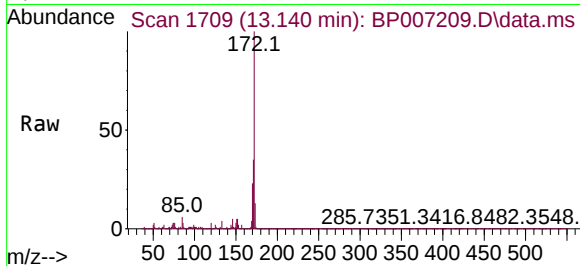




#45
2-Fluorobiphenyl
Concen: 27.287 ng
RT: 13.140 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

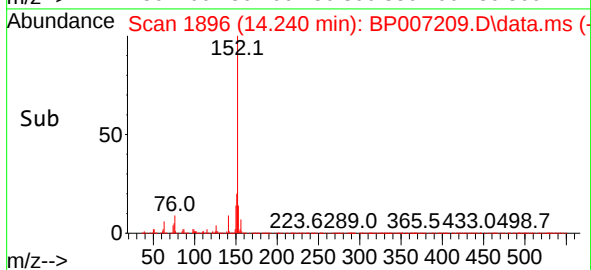
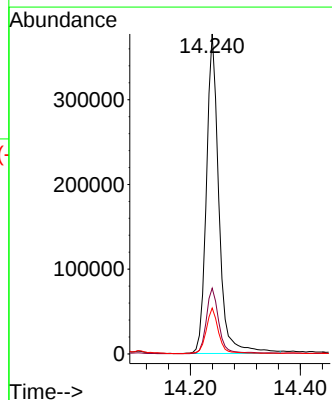
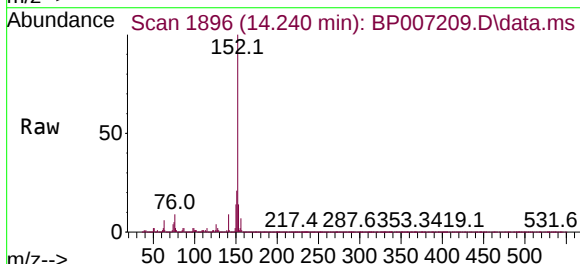
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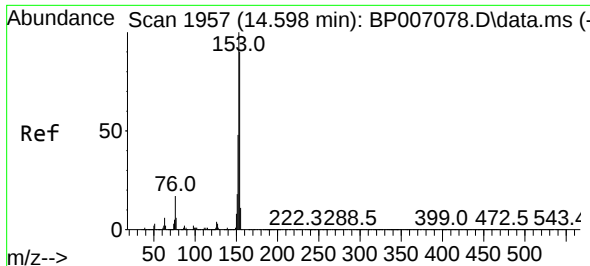
Tgt Ion:172 Resp: 1347274
Ion Ratio Lower Upper
172 100
171 35.3 27.9 41.9
170 23.4 18.6 27.8



#49
Acenaphthylene
Concen: 9.469 ng
RT: 14.240 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

Tgt Ion:152 Resp: 594393
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 14.4 10.6 16.0

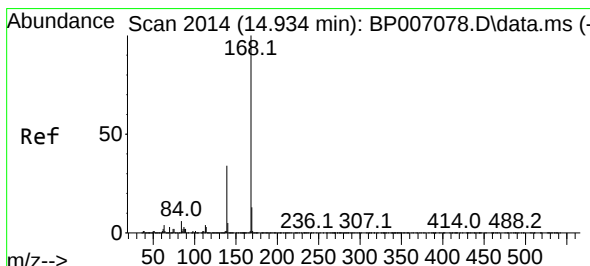
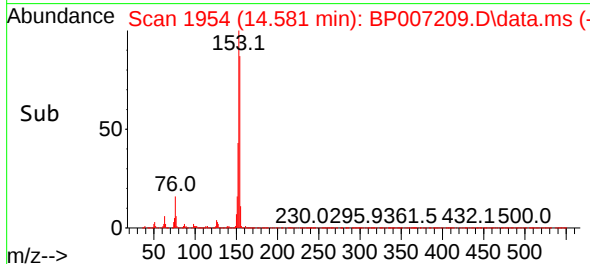
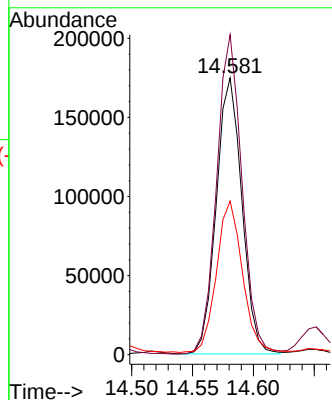
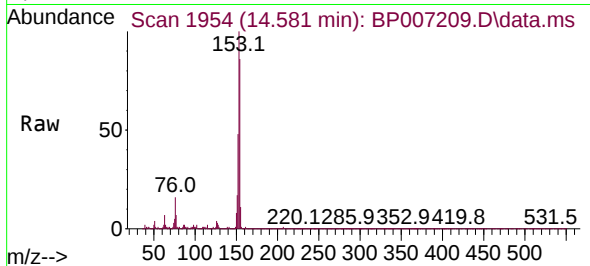




#52
Acenaphthene
Concen: 6.715 ng
RT: 14.581 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

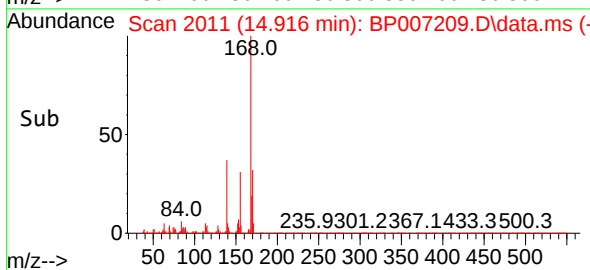
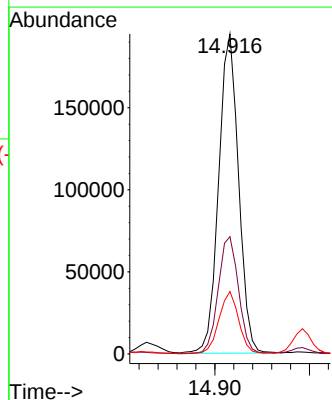
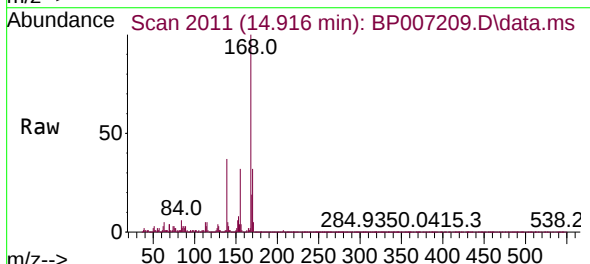
Instrument :
BNA_P
ClientSampleId :
TP-5

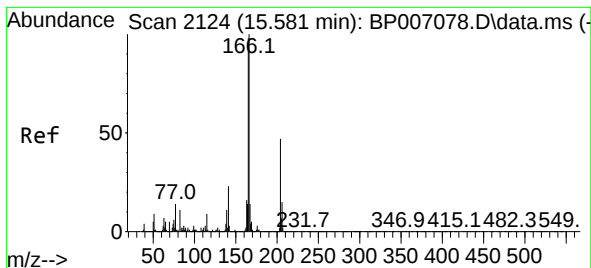
Tgt Ion:154 Resp: 255373
Ion Ratio Lower Upper
154 100
153 115.6 89.4 134.2
152 55.5 43.0 64.4



#55
Dibenzofuran
Concen: 4.479 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

Tgt Ion:168 Resp: 284191
Ion Ratio Lower Upper
168 100
139 36.7 31.0 46.6
169 19.5 10.8 16.2#

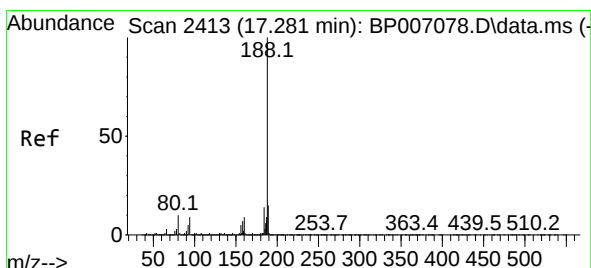
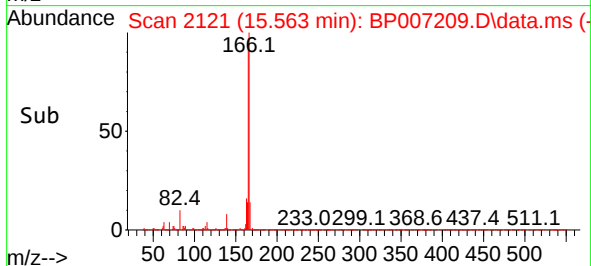
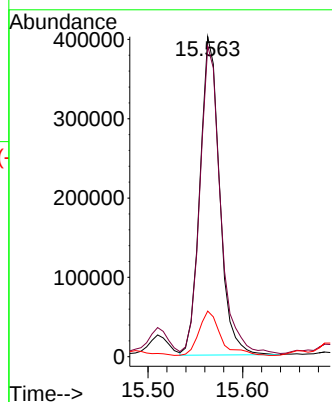
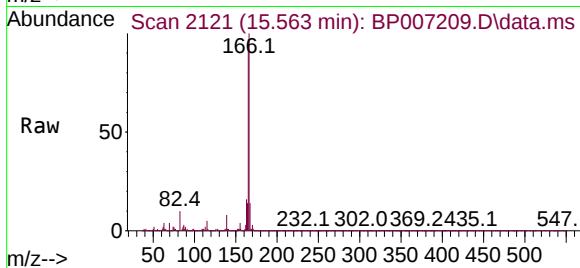




#58
Fluorene
Concen: 11.850 ng
RT: 15.563 min Scan# 2121
Delta R.T. -0.012 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

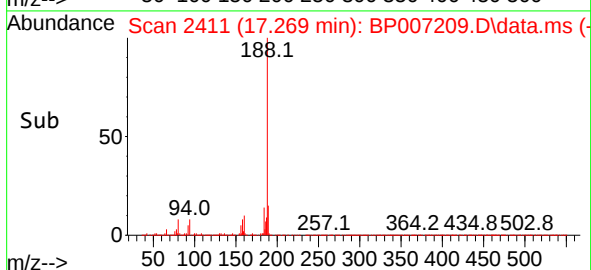
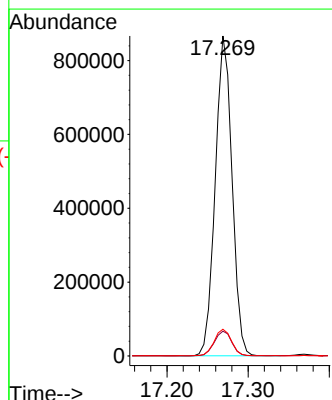
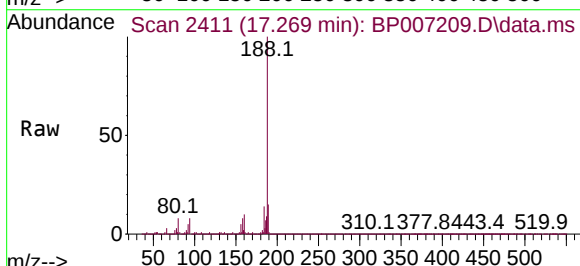
Instrument :
BNA_P
ClientSampled :
TP-5

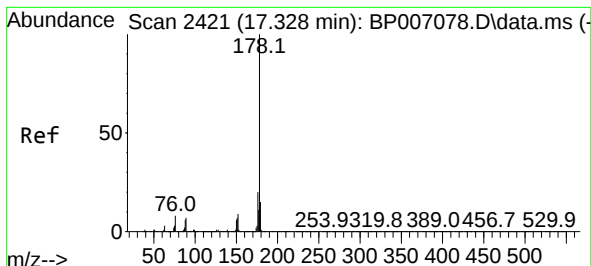
Tgt Ion:166 Resp: 580882
Ion Ratio Lower Upper
166 100
165 97.0 78.0 117.0
167 14.3 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

Tgt Ion:188 Resp: 1245651
Ion Ratio Lower Upper
188 100
94 7.7 5.6 8.4
80 8.4 6.3 9.5

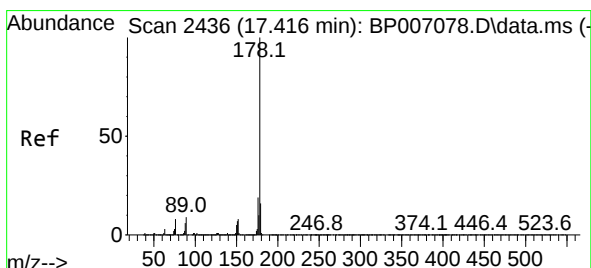
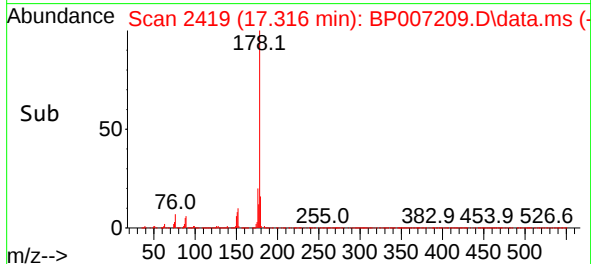
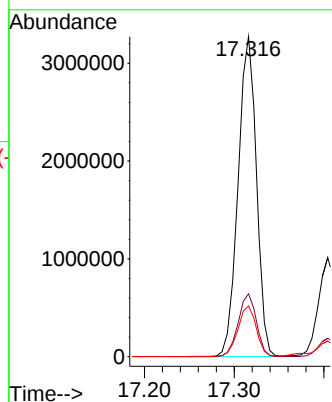
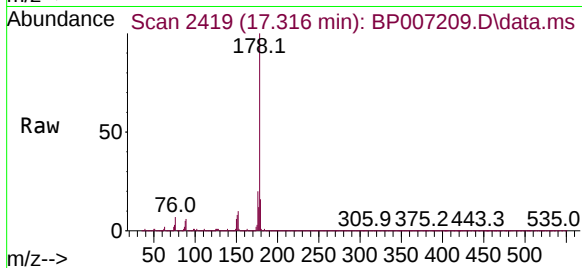




#71
Phenanthrene
Concen: 69.528 ng
RT: 17.316 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

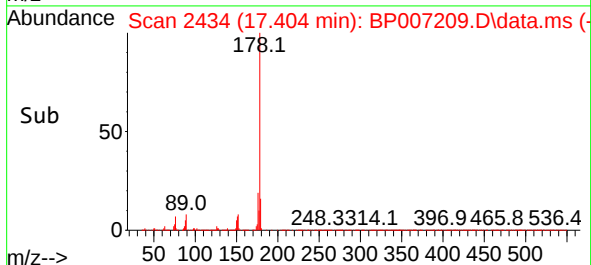
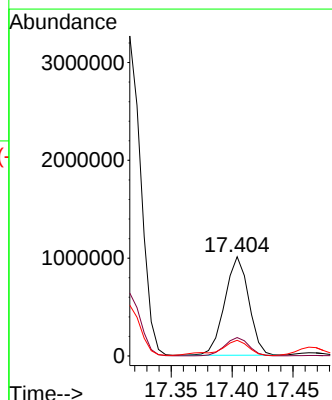
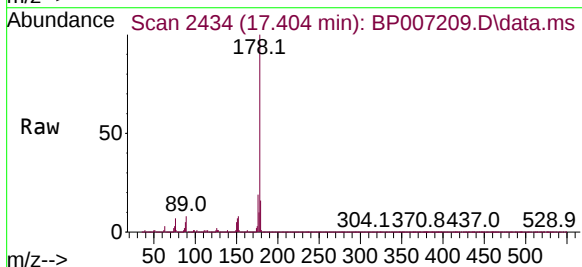
Instrument :
BNA_P
ClientSampleId :
TP-5

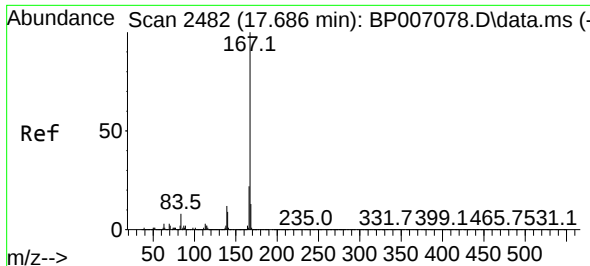
Tgt Ion:178 Resp: 4643821
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 15.9 12.4 18.6



#72
Anthracene
Concen: 21.242 ng
RT: 17.404 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

Tgt Ion:178 Resp: 1387870
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.7 12.2 18.2

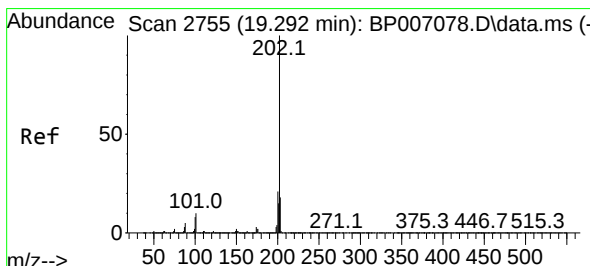
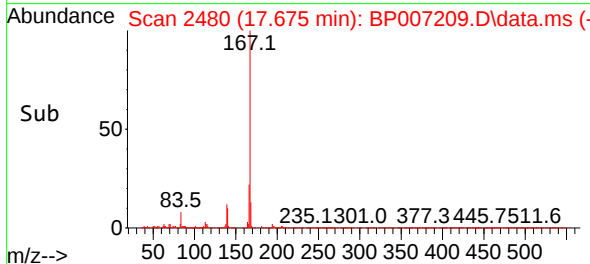
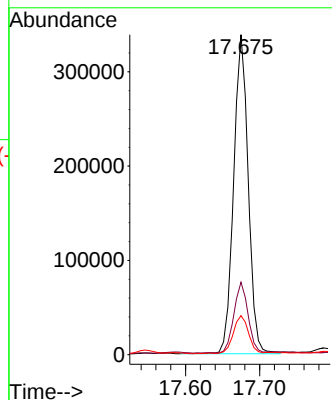
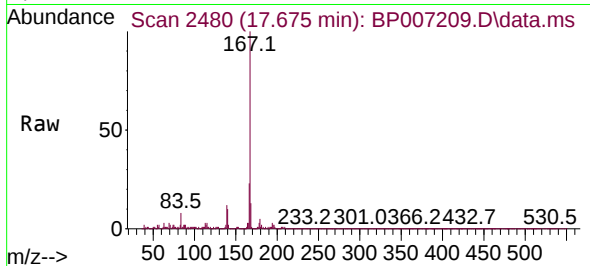




#73
 Carbazole
 Concen: 7.197 ng
 RT: 17.675 min Scan# 2480
 Delta R.T. -0.006 min
 Lab File: BP007209.D
 Acq: 27 Sep 2021 17:15

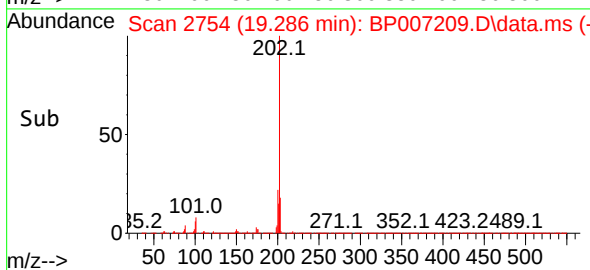
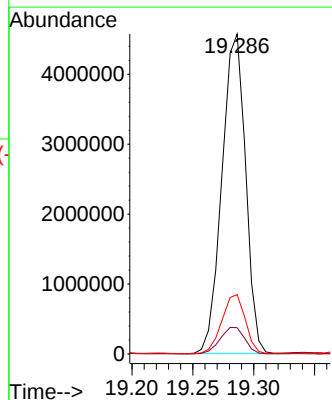
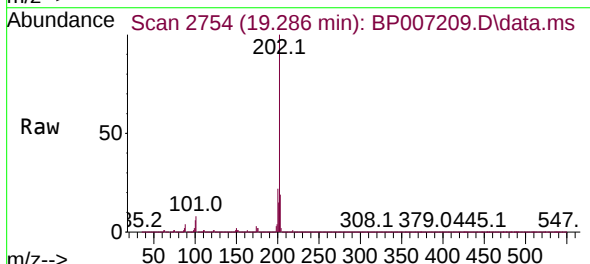
Instrument :
 BNA_P
 ClientSampleId :
 TP-5

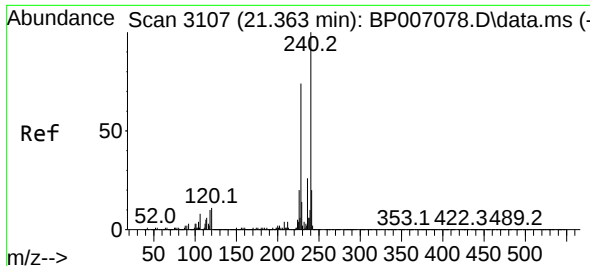
Tgt Ion:167 Resp: 460813
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.1 25.7
 139 12.2 10.7 16.1



#75
 Fluoranthene
 Concen: 80.404 ng
 RT: 19.286 min Scan# 2754
 Delta R.T. 0.006 min
 Lab File: BP007209.D
 Acq: 27 Sep 2021 17:15

Tgt Ion:202 Resp: 6187208
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 27.6
 203 18.6 0.0 37.8

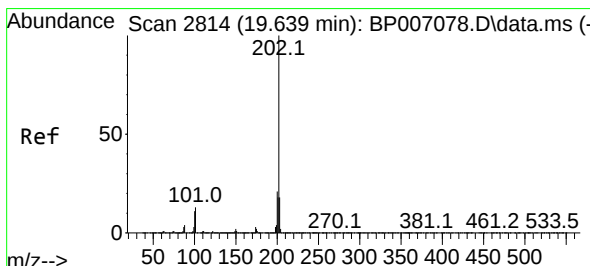
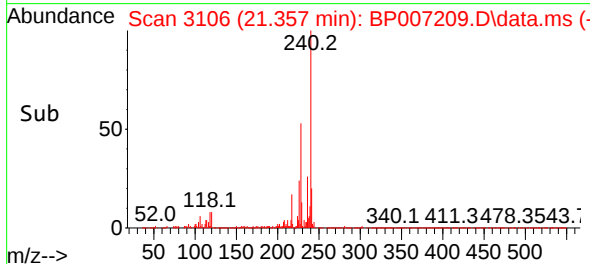
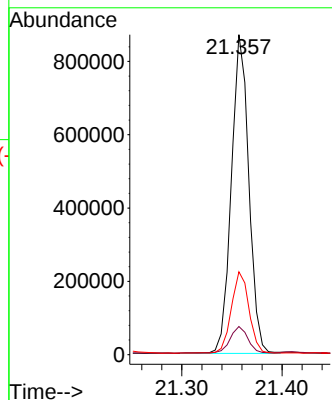
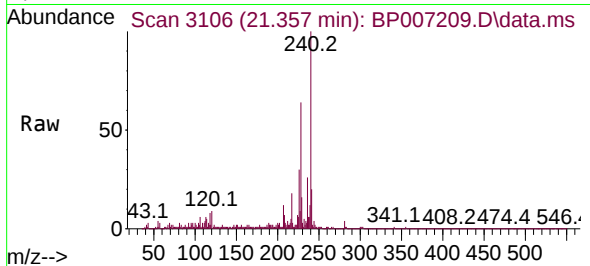




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.000 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

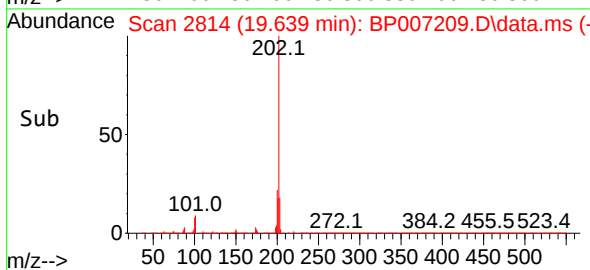
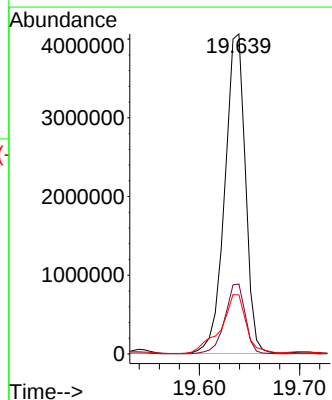
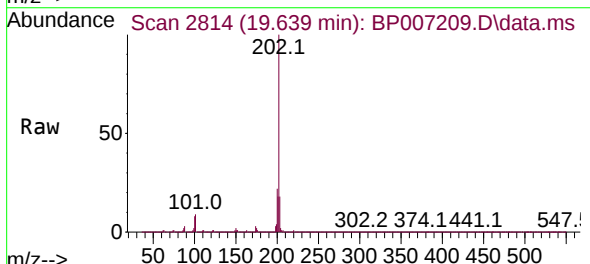
Instrument :
BNA_P
ClientSampled :
TP-5

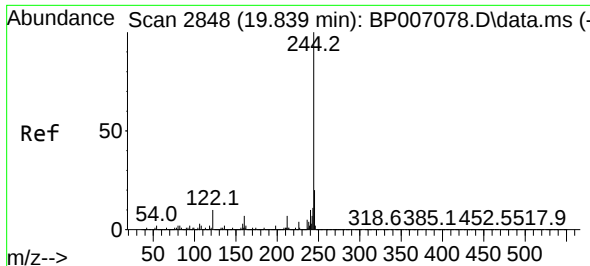
Tgt Ion:240 Resp: 1052013
Ion Ratio Lower Upper
240 100
120 8.8 6.5 9.7
236 25.9 20.6 31.0



#78
Pyrene
Concen: 83.929 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

Tgt Ion:202 Resp: 5792892
Ion Ratio Lower Upper
202 100
200 21.9 16.3 24.5
203 18.4 14.2 21.2

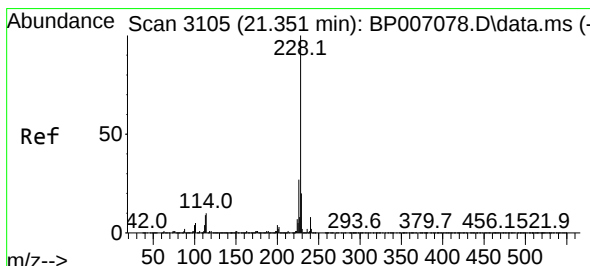
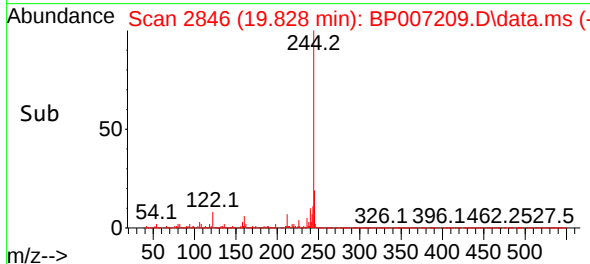
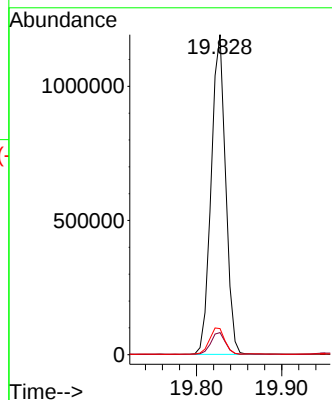
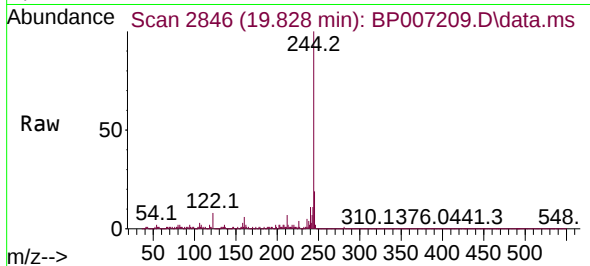




#79
 Terphenyl-d14
 Concen: 25.604 ng
 RT: 19.828 min Scan# 2846
 Delta R.T. -0.006 min
 Lab File: BP007209.D
 Acq: 27 Sep 2021 17:15

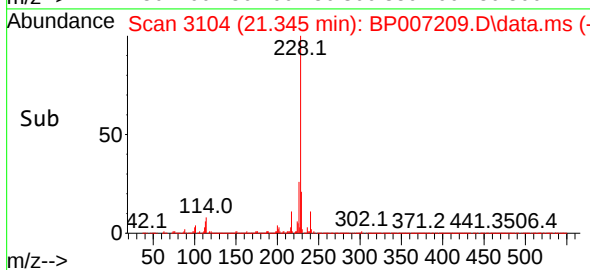
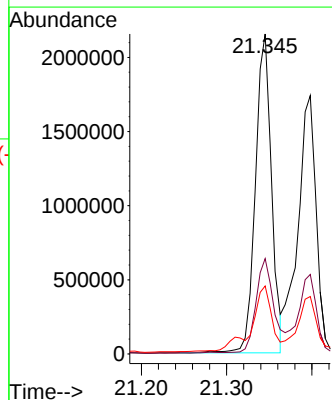
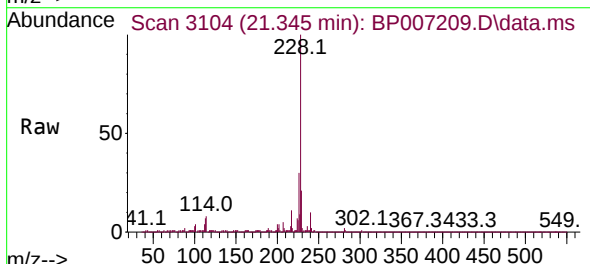
Instrument :
 BNA_P
 ClientSampleId :
 TP-5

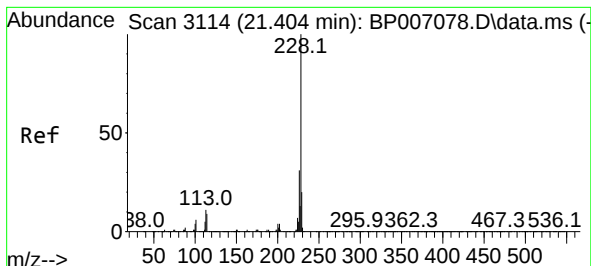
Tgt Ion:244 Resp: 1405634
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 8.2 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 41.317 ng
 RT: 21.345 min Scan# 3104
 Delta R.T. 0.000 min
 Lab File: BP007209.D
 Acq: 27 Sep 2021 17:15

Tgt Ion:228 Resp: 2821387
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.6 32.4
 229 21.3 15.8 23.6





#83

Chrysene

Concen: 38.089 ng

RT: 21.398 min Scan# 3113

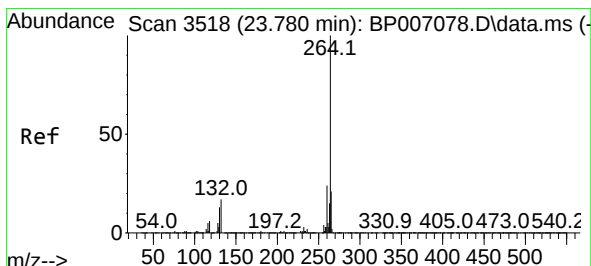
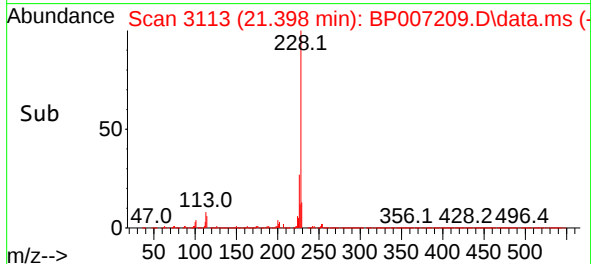
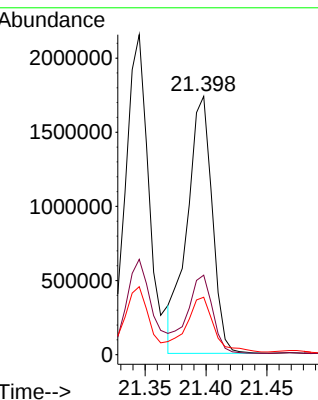
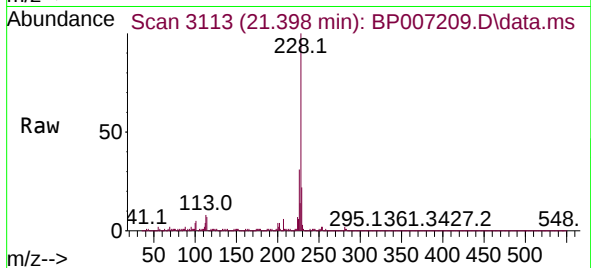
Delta R.T. 0.000 min

Lab File: BP007209.D

Acq: 27 Sep 2021 17:15

Tgt Ion:228 Resp: 2485798

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.8	35.6
229	22.2	15.4	23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.774 min Scan# 3517

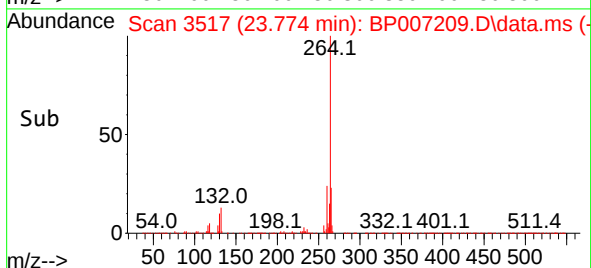
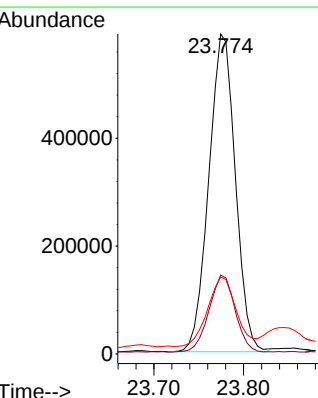
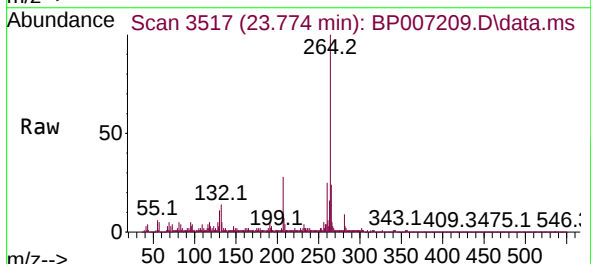
Delta R.T. 0.006 min

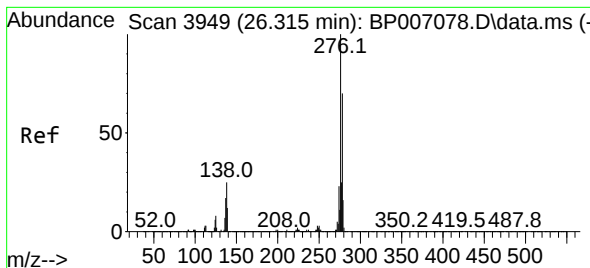
Lab File: BP007209.D

Acq: 27 Sep 2021 17:15

Tgt Ion:264 Resp: 1209080

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	28.0
265	24.1	17.6	26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 22.792 ng

RT: 26.310 min Scan# 3948

Delta R.T. 0.006 min

Lab File: BP007209.D

Acq: 27 Sep 2021 17:15

Instrument :

BNA_P

ClientSampled :

TP-5

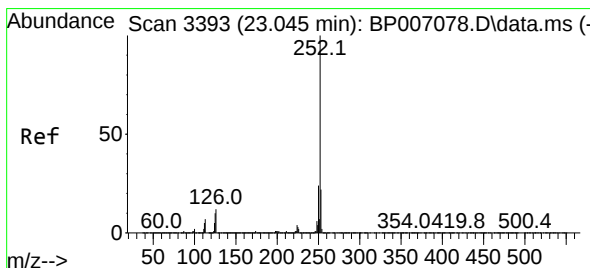
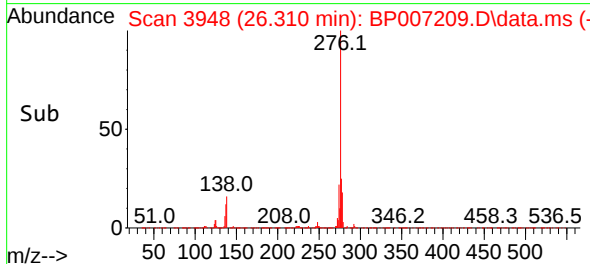
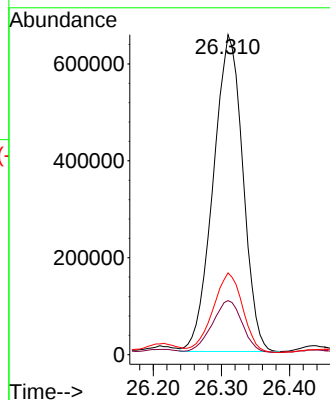
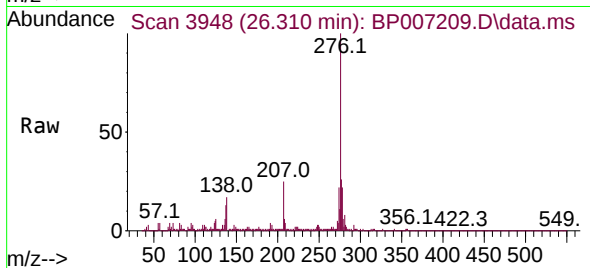
Tgt Ion:276 Resp: 1980376

Ion Ratio Lower Upper

276 100

138 16.7 15.3 22.9

277 25.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 48.203 ng

RT: 23.039 min Scan# 3392

Delta R.T. 0.006 min

Lab File: BP007209.D

Acq: 27 Sep 2021 17:15

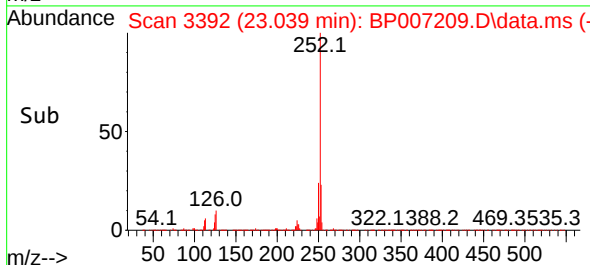
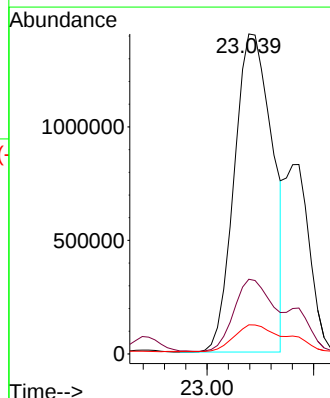
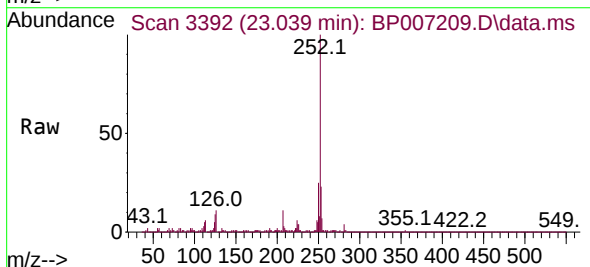
Tgt Ion:252 Resp: 3482996

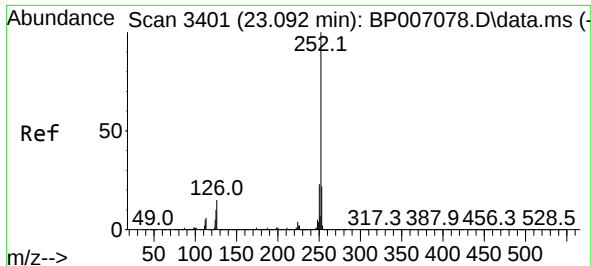
Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 9.1 6.2 9.4

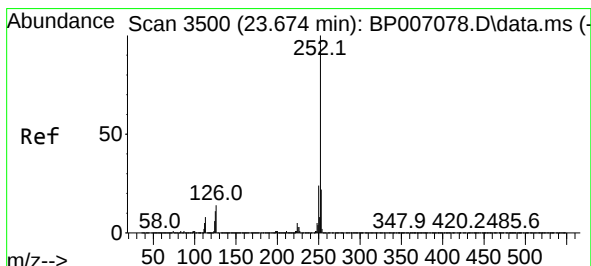
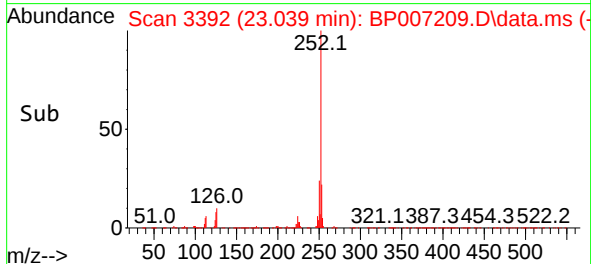
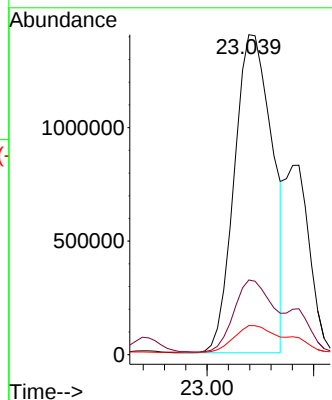
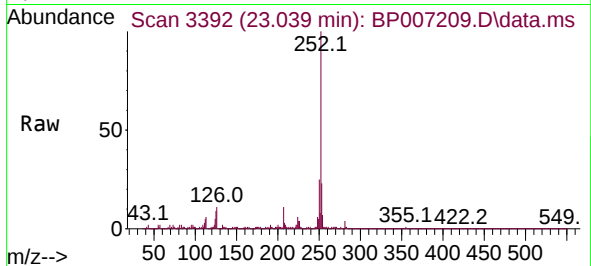




#89
Benzo(k)fluoranthene
Concen: 47.609 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.047 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

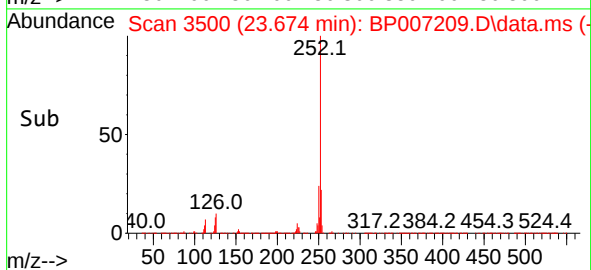
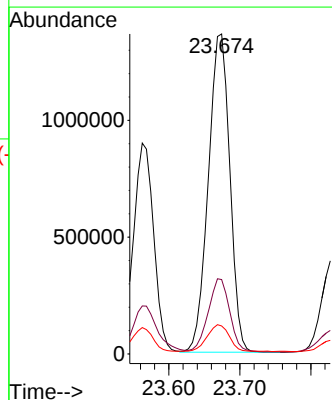
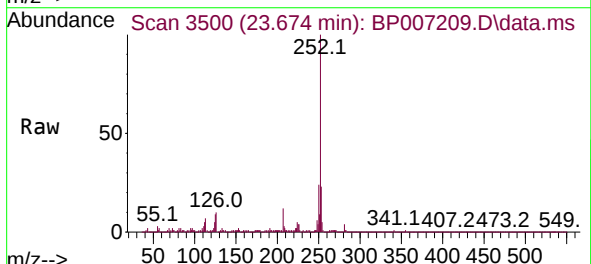
Instrument :
BNA_P
ClientSampleId :
TP-5

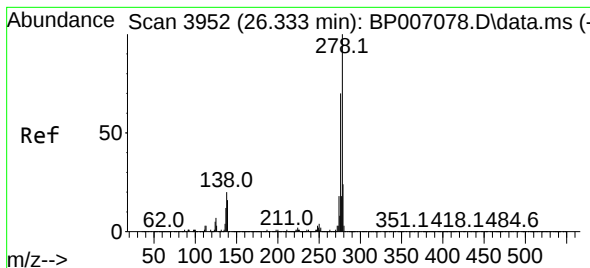
Tgt Ion:252 Resp: 3482996
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 9.1 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 46.702 ng
RT: 23.674 min Scan# 3500
Delta R.T. 0.006 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

Tgt Ion:252 Resp: 2866980
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 8.8 6.5 9.7

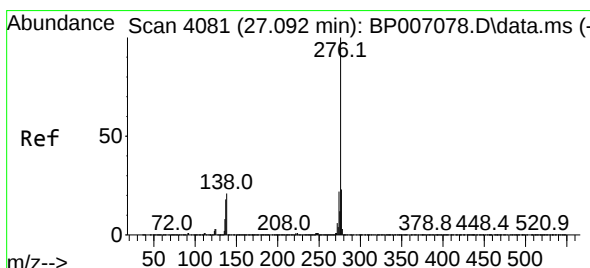
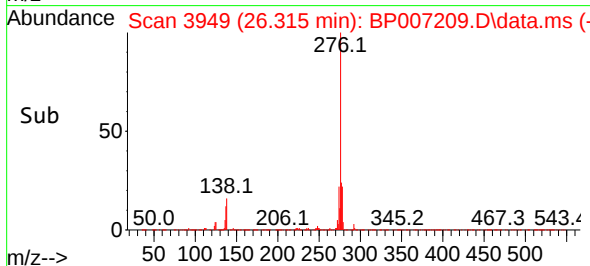
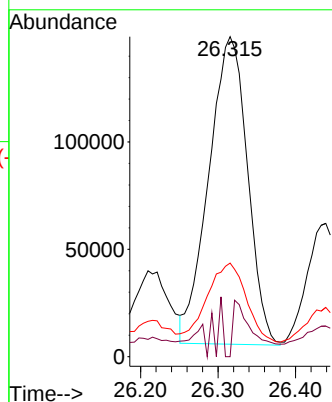
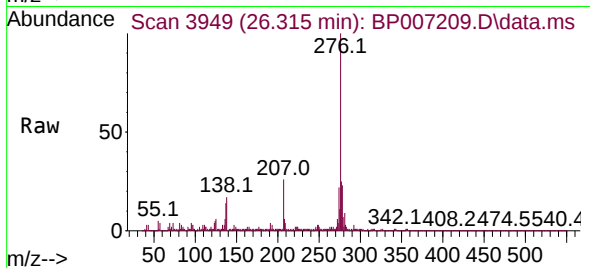




#91
Dibenzo(a,h)anthracene
Concen: 6.834 ng
RT: 26.315 min Scan# 3949
Delta R.T. 0.000 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

Instrument :
BNA_P
ClientSampled :
TP-5

Tgt Ion:278 Resp: 497608
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 29.2 18.8 28.2#



#92
Benzo(g,h,i)perylene
Concen: 27.472 ng
RT: 27.098 min Scan# 4082
Delta R.T. 0.024 min
Lab File: BP007209.D
Acq: 27 Sep 2021 17:15

Tgt Ion:276 Resp: 1952212
Ion Ratio Lower Upper
276 100
277 24.5 18.9 28.3
138 17.1 12.6 18.8

