

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
 Data File : BP007208.D
 Acq On : 27 Sep 2021 16:41
 Operator : CG/JU
 Sample : M3935-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1-S

Quant Time: Sep 27 17:47:33 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)

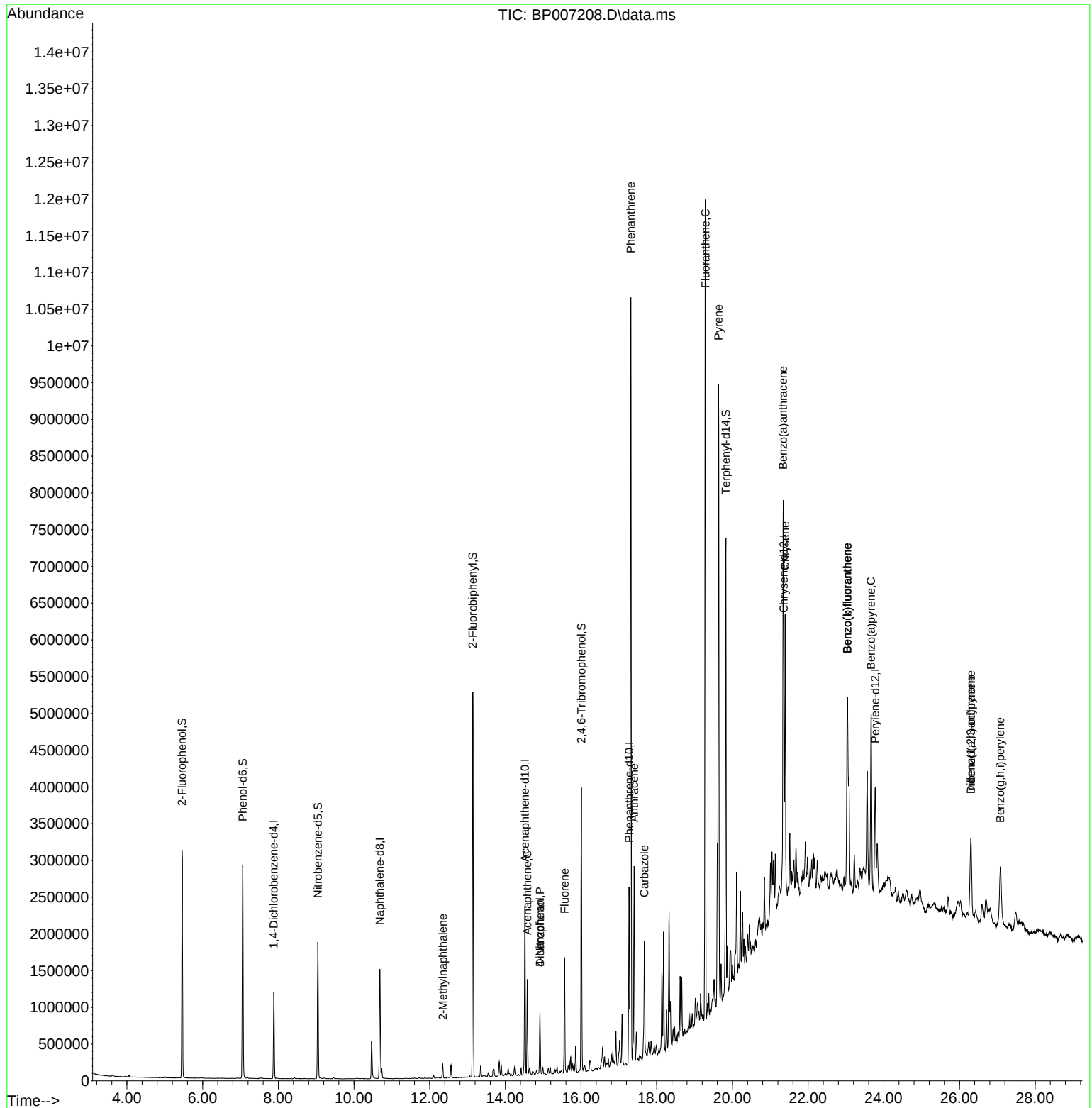
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	332035	20.000	ng	-0.01
21) Naphthalene-d8	10.681	136	1289308	20.000	ng	#-0.01
39) Acenaphthene-d10	14.516	164	806138	20.000	ng	-0.01
64) Phenanthrene-d10	17.269	188	1519842	20.000	ng	0.00
76) Chrysene-d12	21.357	240	1075788	20.000	ng	0.00
86) Perylene-d12	23.774	264	1160261	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	1441797	72.688	ng	0.00
7) Phenol-d6	7.057	99	1786944	65.914	ng	0.00
23) Nitrobenzene-d5	9.045	82	1082170	48.880	ng	-0.01
42) 2,4,6-Tribromophenol	16.010	330	803291	76.861	ng	0.00
45) 2-Fluorobiphenyl	13.139	172	2778157	49.372	ng	-0.01
79) Terphenyl-d14	19.827	244	3034196	54.047	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.345	142	94127	2.043	ng	96
52) Acenaphthene	14.580	154	462142	10.662	ng	98
55) Dibenzofuran	14.916	168	526362	7.279	ng	96
56) 4-Nitrophenol	14.916	139	188129	18.096	ng	# 5
58) Fluorene	15.563	166	695274	12.445	ng	100
71) Phenanthrene	17.316	178	6817085	83.652	ng	98
72) Anthracene	17.404	178	1747870	21.925	ng	100
73) Carbazole	17.674	167	996451	12.756	ng	98
75) Fluoranthene	19.286	202	7090276	75.517	ng	98
78) Pyrene	19.633	202	5632837	79.806	ng	97
81) Benzo(a)anthracene	21.339	228	2555900	36.602	ng	98
83) Chrysene	21.392	228	2243228	33.612	ng	96
87) Indeno(1,2,3-cd)pyrene	26.303	276	1196911	14.354	ng	98
88) Benzo(b)fluoranthene	23.039	252	2764231	39.865	ng	96
89) Benzo(k)fluoranthene	23.039	252	2764231	39.374	ng	# 96
90) Benzo(a)pyrene	23.662	252	1918585	32.568	ng	96
91) Dibenzo(a,h)anthracene	26.303	278	339292	4.856	ng	# 83
92) Benzo(g,h,i)perylene	27.080	276	1083871	15.895	ng	96

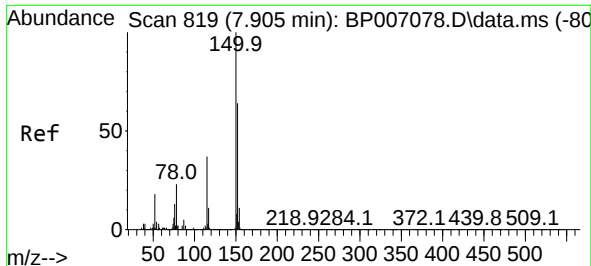
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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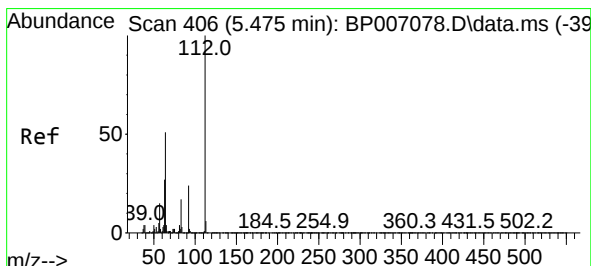
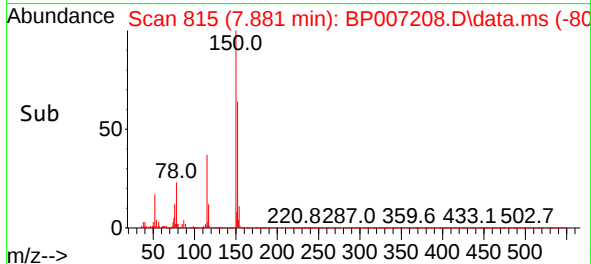
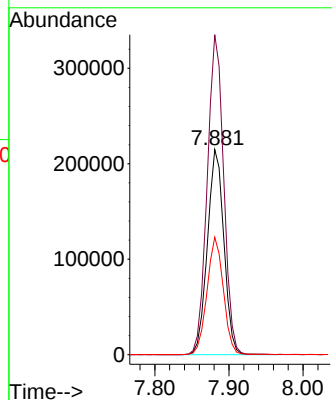
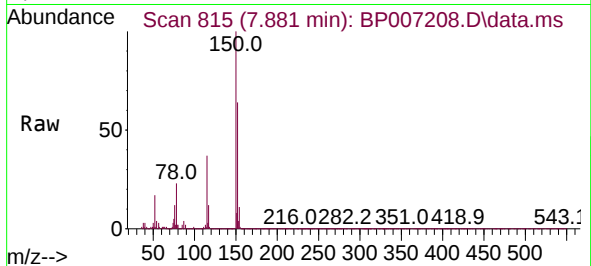




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 815
Delta R.T. -0.012 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

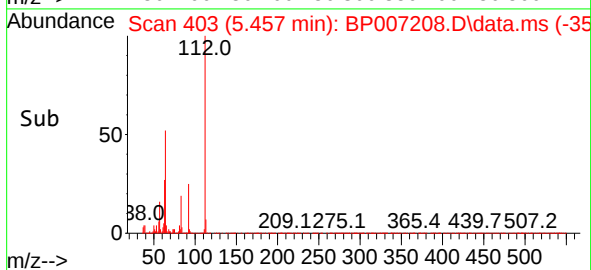
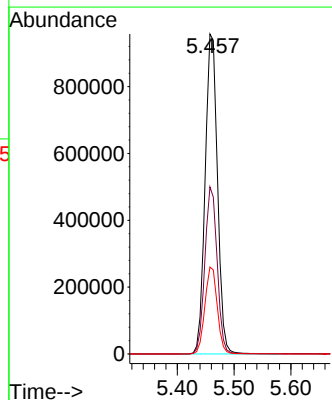
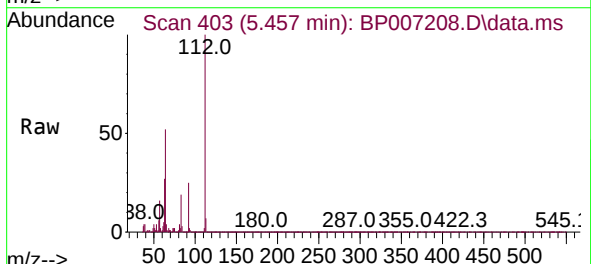
Instrument :
BNA_P
ClientSampleId :
TP-1-S

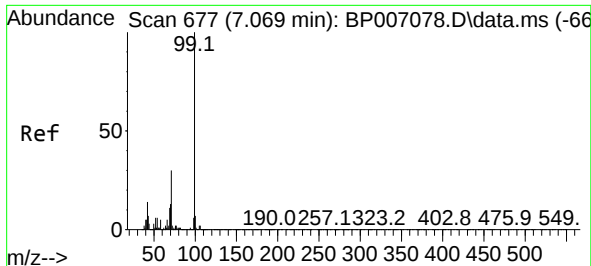
Tgt Ion:152 Resp: 332035
Ion Ratio Lower Upper
152 100
150 156.0 125.6 188.4
115 57.3 48.5 72.7



#5
2-Fluorophenol
Concen: 72.688 ng
RT: 5.457 min Scan# 403
Delta R.T. -0.006 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

Tgt Ion:112 Resp: 1441797
Ion Ratio Lower Upper
112 100
64 52.2 41.4 62.2
63 27.2 23.8 35.8



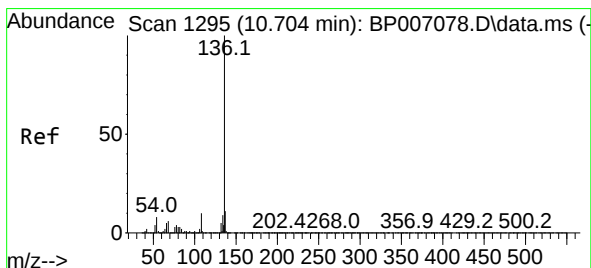
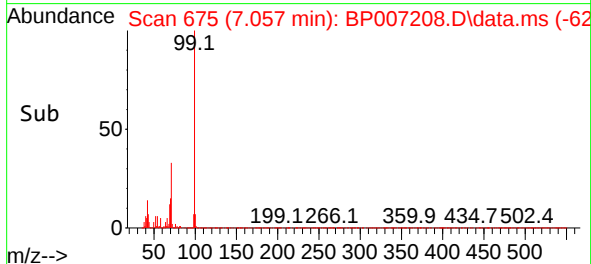
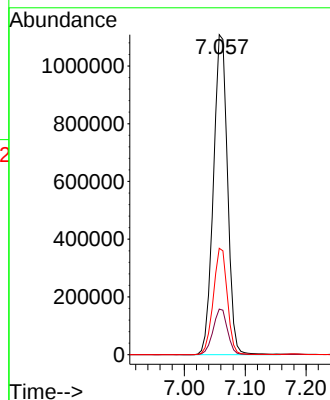
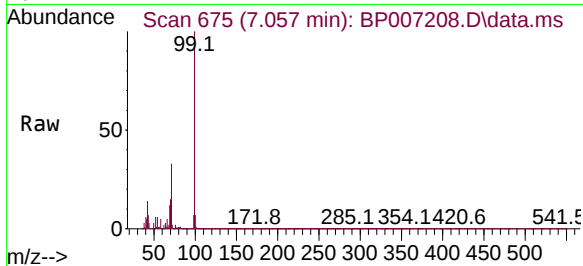


#7
Phenol-d6
Concen: 65.914 ng
RT: 7.057 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

Instrument :
BNA_P
ClientSampleId :
TP-1-S

Tgt Ion: 99 Resp: 1786944

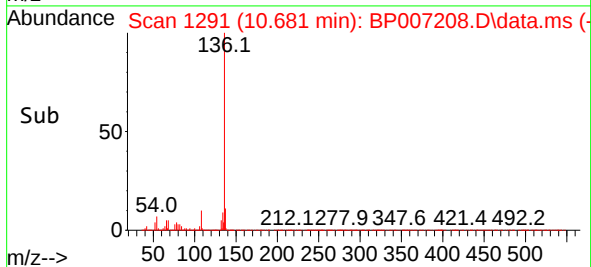
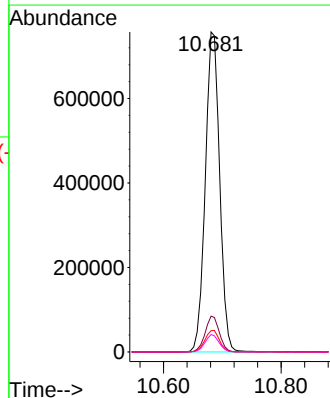
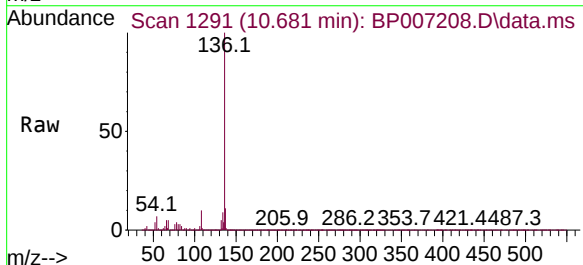
Ion	Ratio	Lower	Upper
99	100		
42	14.3	13.4	20.0
71	33.3	30.6	46.0

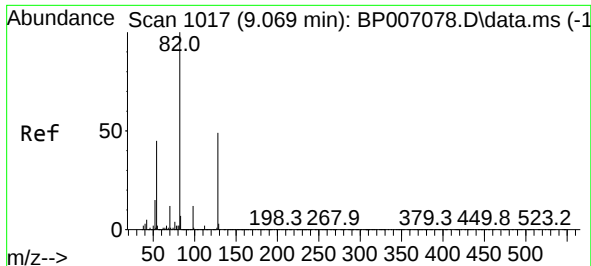


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.681 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

Tgt Ion: 136 Resp: 1289308

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	6.7	4.6	6.8
68	5.4	3.6	5.4

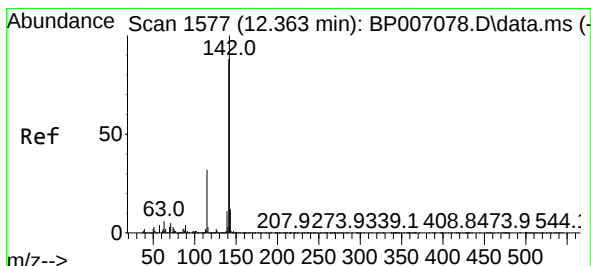
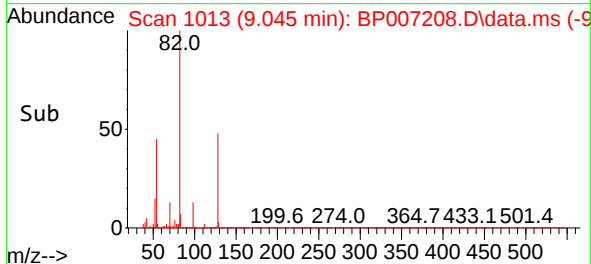
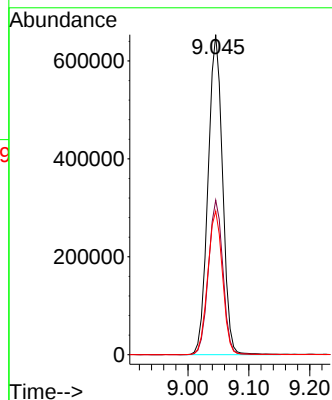
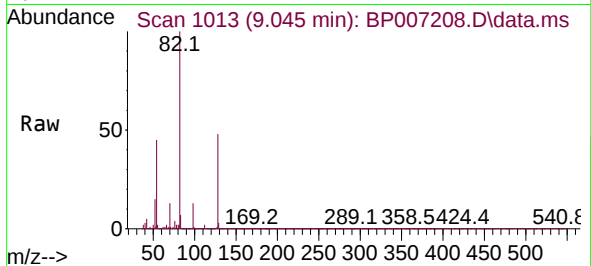




#23
Nitrobenzene-d5
Concen: 48.880 ng
RT: 9.045 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

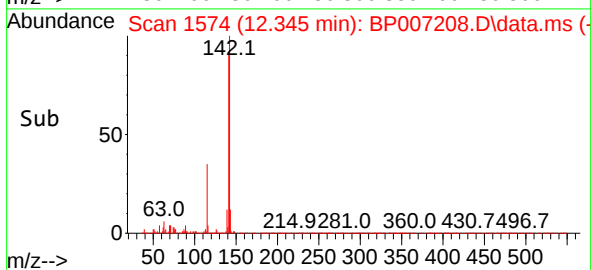
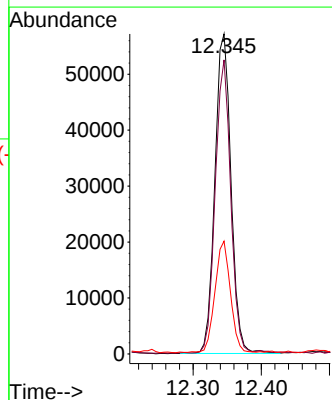
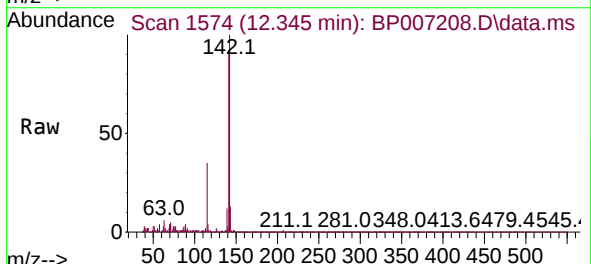
Instrument :
BNA_P
ClientSampleId :
TP-1-S

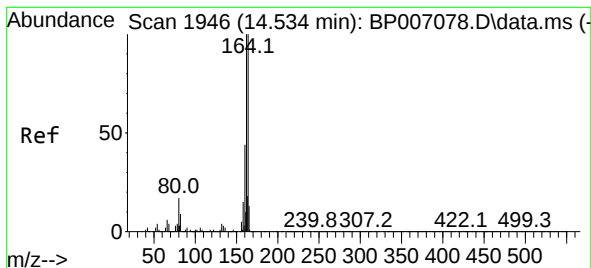
Tgt Ion: 82 Resp: 1082170
Ion Ratio Lower Upper
82 100
128 48.3 35.7 53.5
54 44.9 35.0 52.4



#37
2-Methylnaphthalene
Concen: 2.043 ng
RT: 12.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

Tgt Ion:142 Resp: 94127
Ion Ratio Lower Upper
142 100
141 91.9 71.8 107.6
115 35.2 31.6 47.4

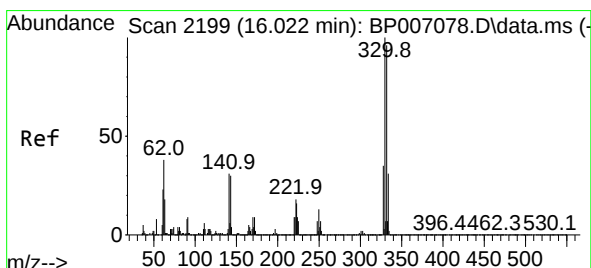
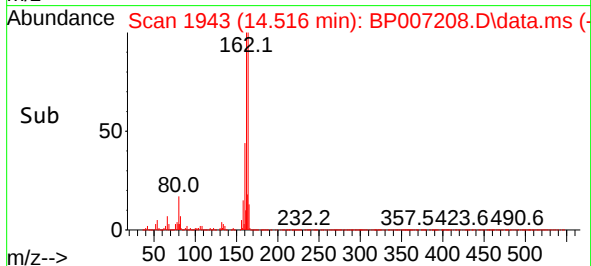
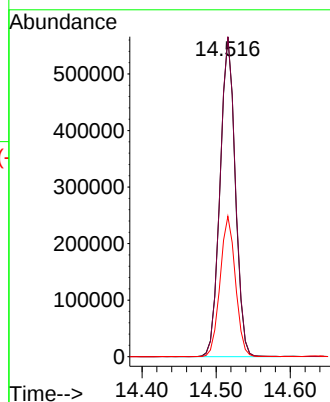
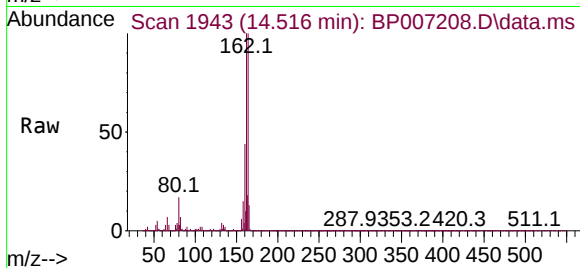




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

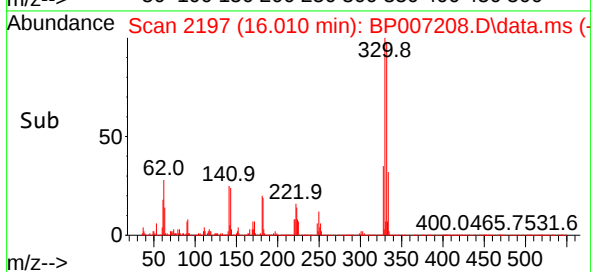
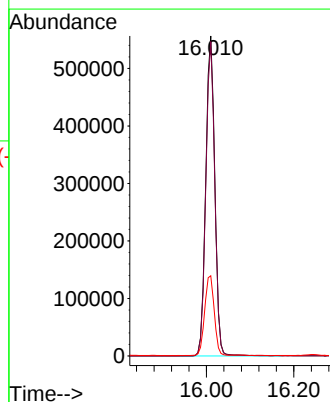
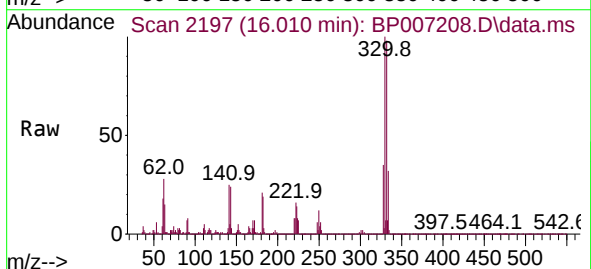
Instrument :
BNA_P
ClientSampleId :
TP-1-S

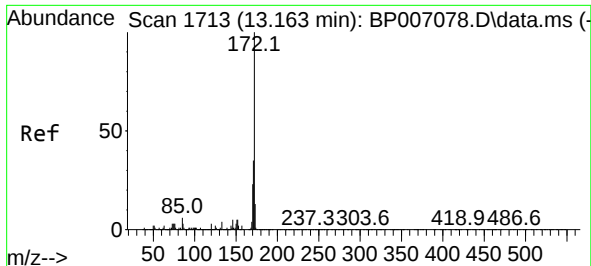
Tgt Ion:164 Resp: 806138
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.2
160 43.9 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 76.861 ng
RT: 16.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

Tgt Ion:330 Resp: 803291
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.8
141 26.4 25.4 38.2

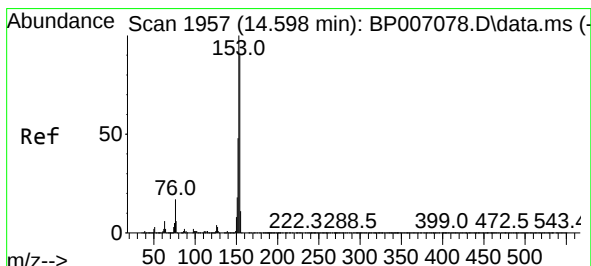
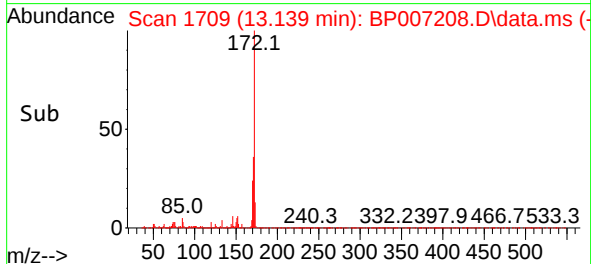
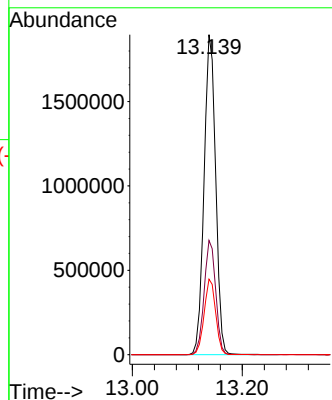
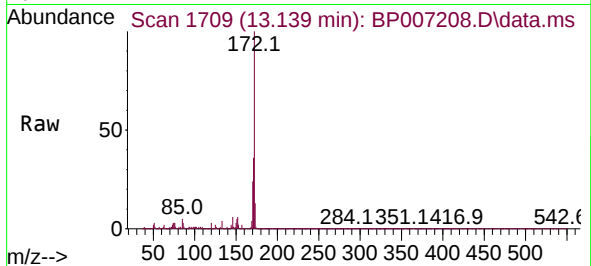




#45
2-Fluorobiphenyl
Concen: 49.372 ng
RT: 13.139 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

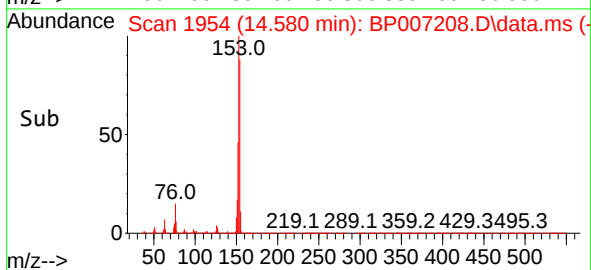
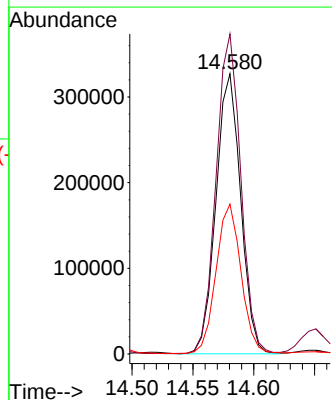
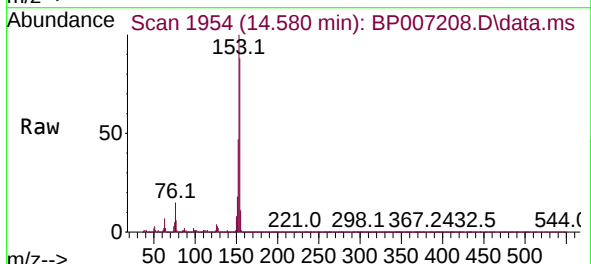
Instrument :
BNA_P
ClientSampled :
TP-1-S

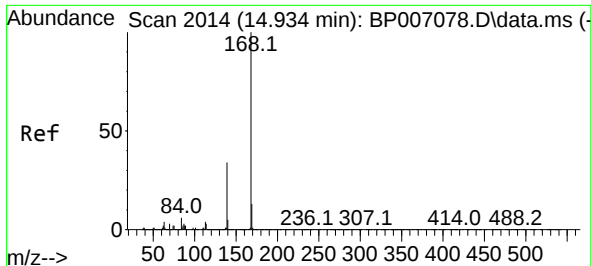
Tgt Ion:172 Resp: 2778157
Ion Ratio Lower Upper
172 100
171 35.7 27.9 41.9
170 23.6 18.6 27.8



#52
Acenaphthene
Concen: 10.662 ng
RT: 14.580 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

Tgt Ion:154 Resp: 462142
Ion Ratio Lower Upper
154 100
153 114.2 89.4 134.2
152 53.4 43.0 64.4

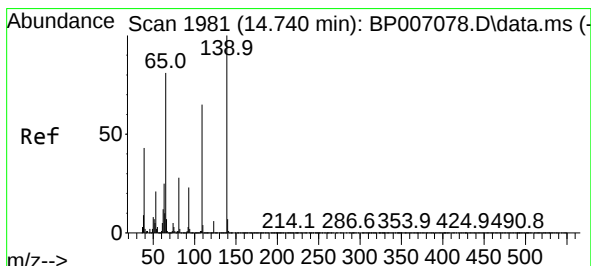
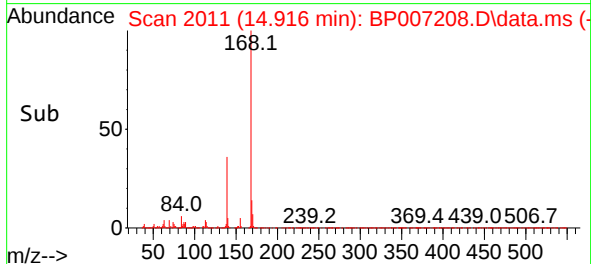
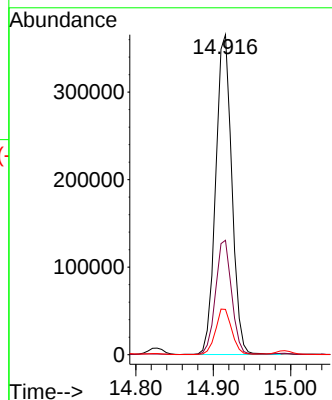
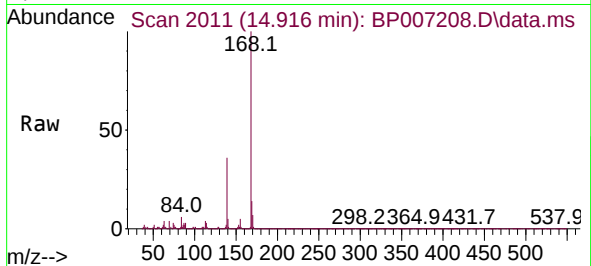




#55
Dibenzenofuran
Concen: 7.279 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

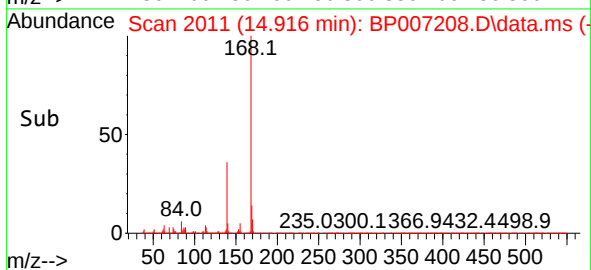
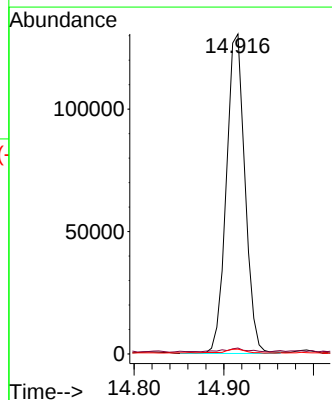
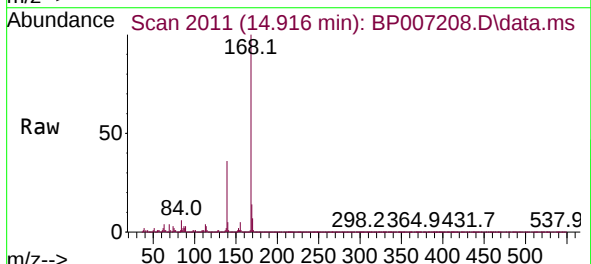
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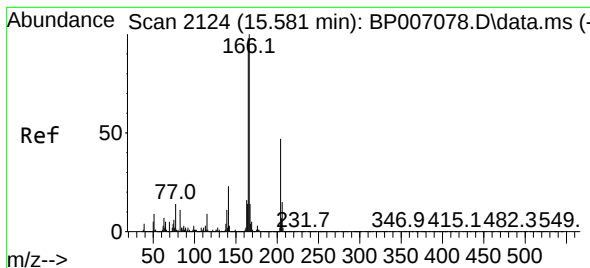
Tgt Ion:168 Resp: 526362
Ion Ratio Lower Upper
168 100
139 35.7 31.0 46.6
169 14.2 10.8 16.2



#56
4-Nitrophenol
Concen: 18.096 ng
RT: 14.916 min Scan# 2011
Delta R.T. 0.182 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

Tgt Ion:139 Resp: 188129
Ion Ratio Lower Upper
139 100
109 1.8 72.3 112.3#
65 1.5 72.5 112.5#





#58

Fluorene

Concen: 12.445 ng

RT: 15.563 min Scan# 2121

Delta R.T. -0.012 min

Lab File: BP007208.D

Acq: 27 Sep 2021 16:41

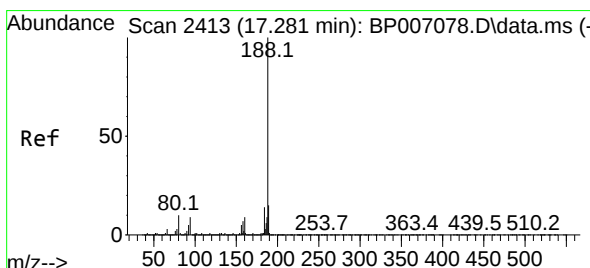
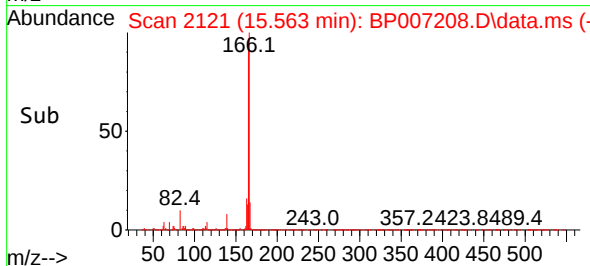
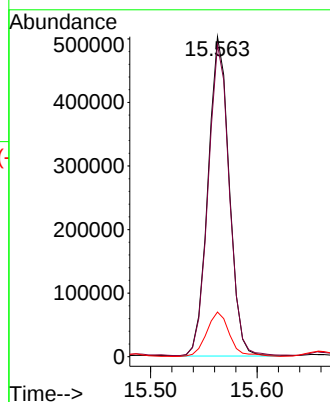
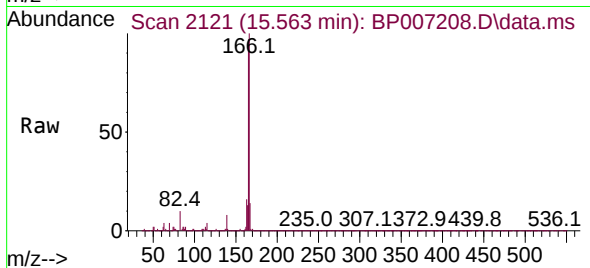
Instrument :

BNA_P

ClientSampleId :

TP-1-S

Tgt Ion:166	Resp: 695274
Ion Ratio	Lower Upper
166	100
165	97.5 78.0 117.0
167	14.0 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

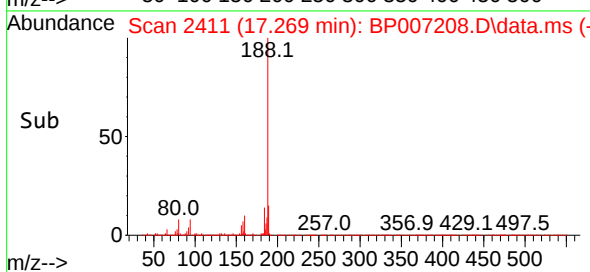
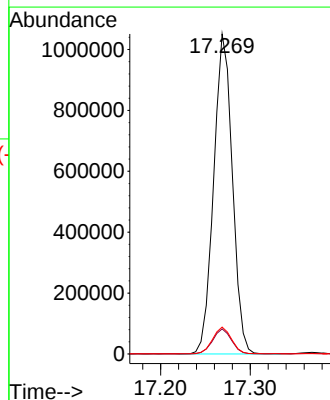
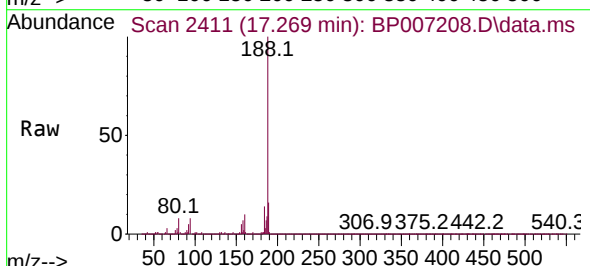
RT: 17.269 min Scan# 2411

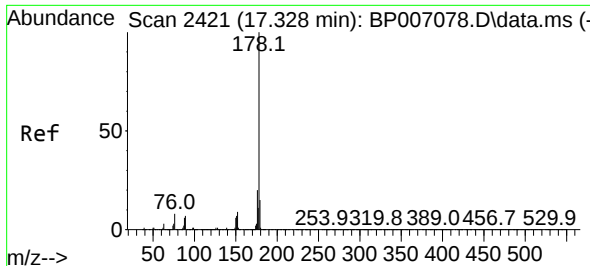
Delta R.T. -0.006 min

Lab File: BP007208.D

Acq: 27 Sep 2021 16:41

Tgt Ion:188	Resp: 1519842
Ion Ratio	Lower Upper
188	100
94	7.8 5.6 8.4
80	8.4 6.3 9.5

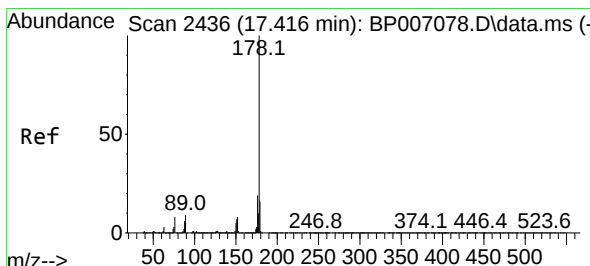
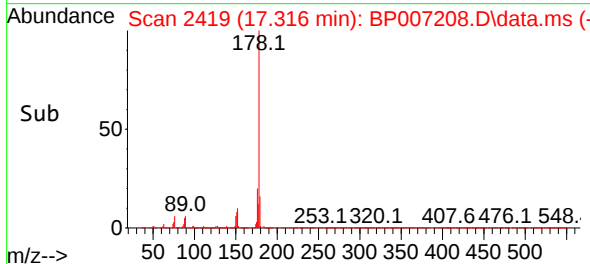
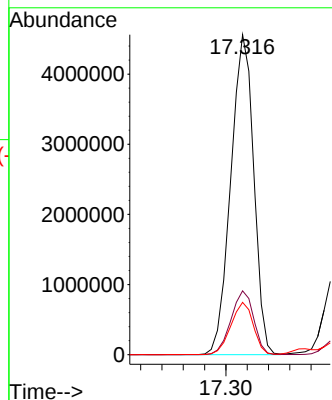
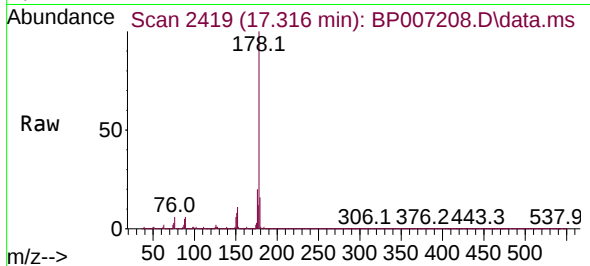




#71
Phenanthrene
Concen: 83.652 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

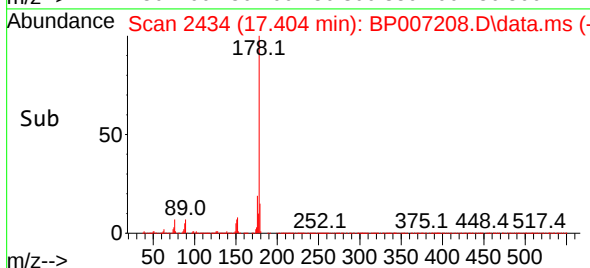
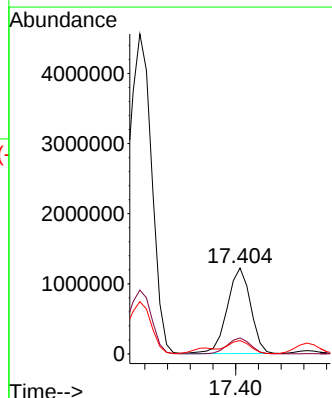
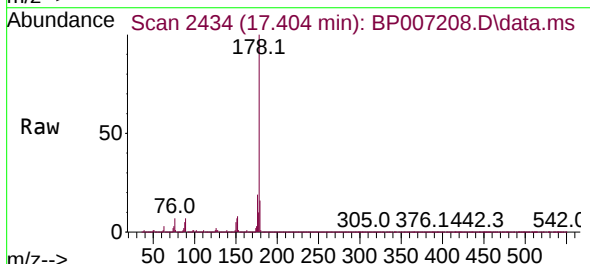
Instrument :
BNA_P
ClientSampleId :
TP-1-S

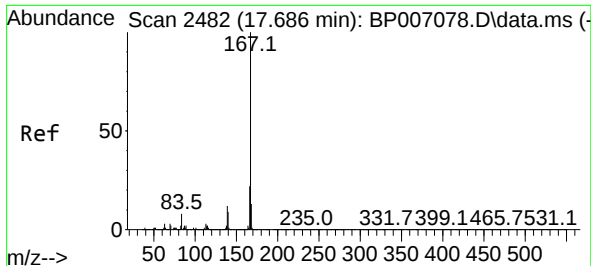
Tgt Ion:178 Resp: 6817085
Ion Ratio Lower Upper
178 100
176 19.9 15.1 22.7
179 16.4 12.4 18.6



#72
Anthracene
Concen: 21.925 ng
RT: 17.404 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

Tgt Ion:178 Resp: 1747870
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.6 12.2 18.2

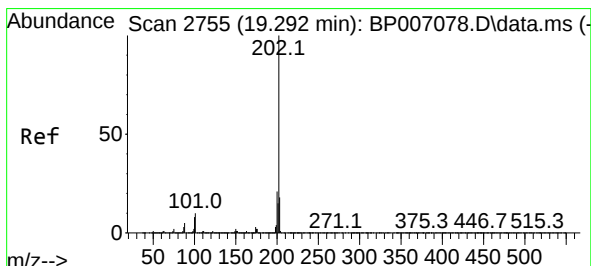
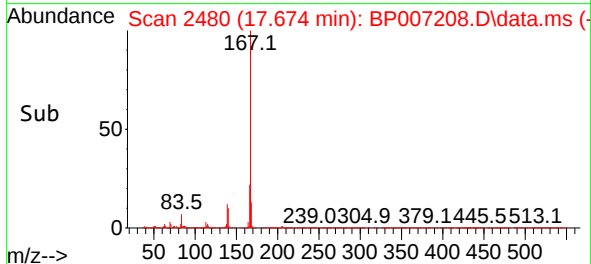
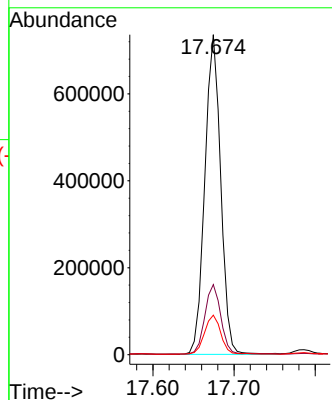
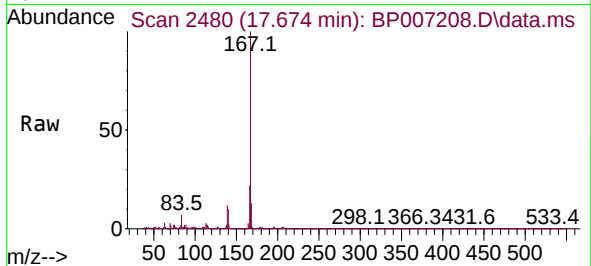




#73
 Carbazole
 Concen: 12.756 ng
 RT: 17.674 min Scan# 2480
 Delta R.T. -0.006 min
 Lab File: BP007208.D
 Acq: 27 Sep 2021 16:41

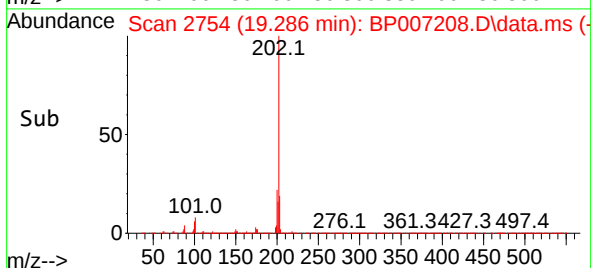
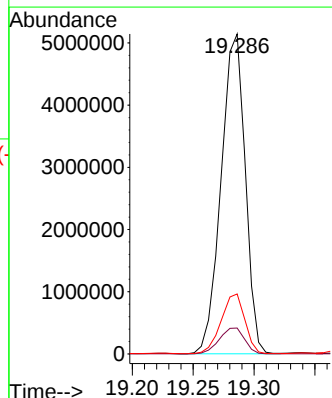
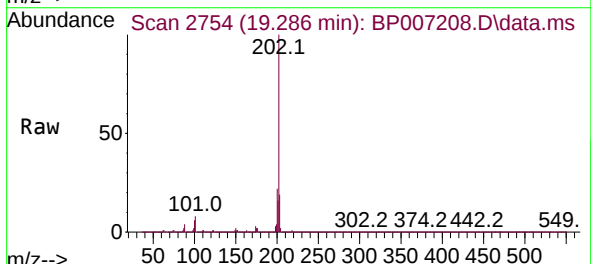
Instrument :
 BNA_P
 ClientSampleId :
 TP-1-S

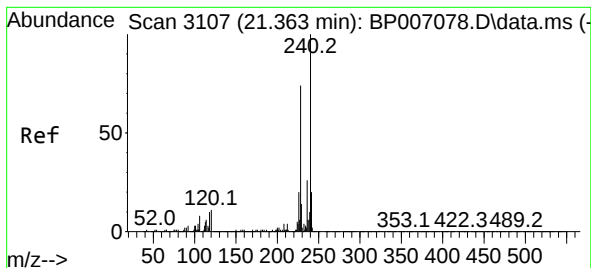
Tgt Ion:167 Resp: 996451
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.1 25.7
 139 12.4 10.7 16.1



#75
 Fluoranthene
 Concen: 75.517 ng
 RT: 19.286 min Scan# 2754
 Delta R.T. 0.006 min
 Lab File: BP007208.D
 Acq: 27 Sep 2021 16:41

Tgt Ion:202 Resp: 7090276
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 27.6
 203 18.7 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: BP007208.D

Acq: 27 Sep 2021 16:41

Instrument :

BNA_P

ClientSampleId :

TP-1-S

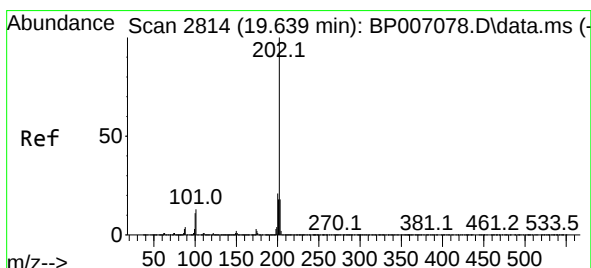
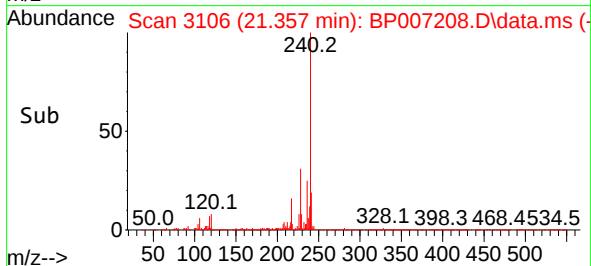
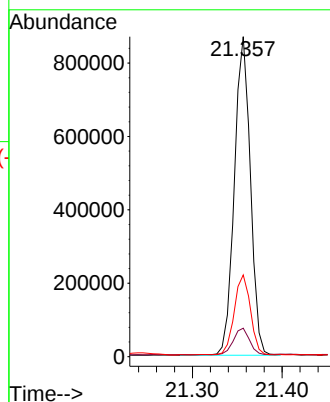
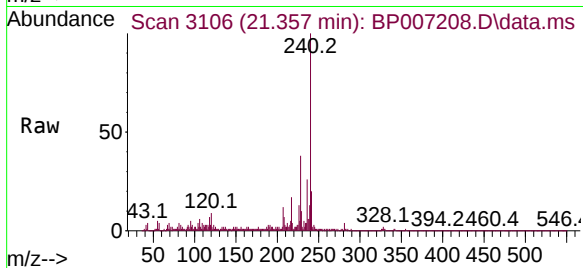
Tgt Ion:240 Resp: 1075788

Ion Ratio Lower Upper

240 100

120 8.9 6.5 9.7

236 25.5 20.6 31.0



#78

Pyrene

Concen: 79.806 ng

RT: 19.633 min Scan# 2813

Delta R.T. -0.000 min

Lab File: BP007208.D

Acq: 27 Sep 2021 16:41

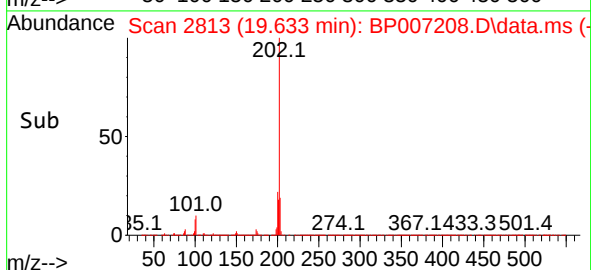
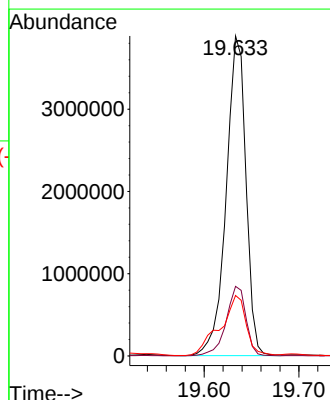
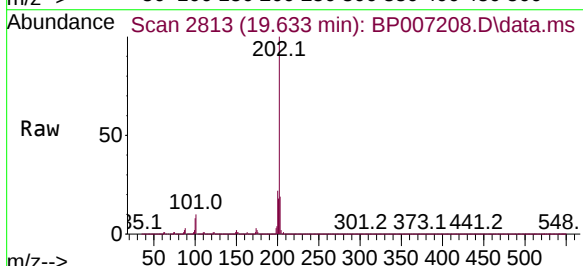
Tgt Ion:202 Resp: 5632837

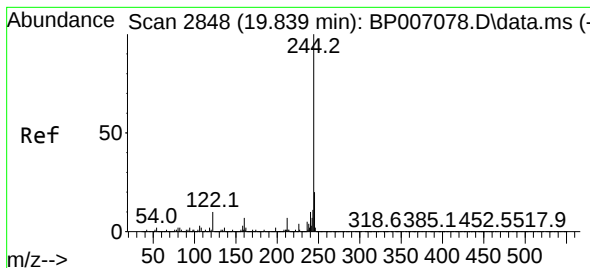
Ion Ratio Lower Upper

202 100

200 21.8 16.3 24.5

203 18.9 14.2 21.2





#79

Terphenyl-d14

Concen: 54.047 ng

RT: 19.827 min Scan# 2846

Delta R.T. -0.006 min

Lab File: BP007208.D

Acq: 27 Sep 2021 16:41

Instrument :

BNA_P

ClientSampleId :

TP-1-S

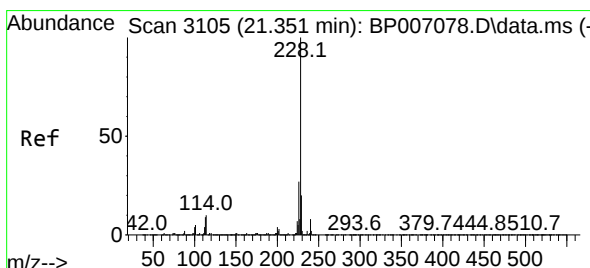
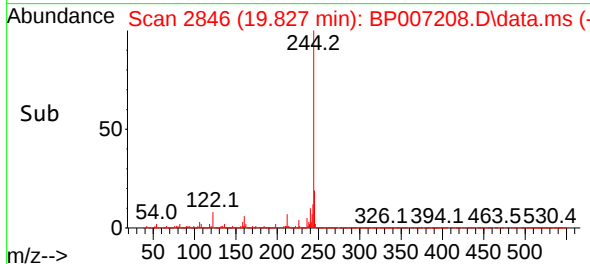
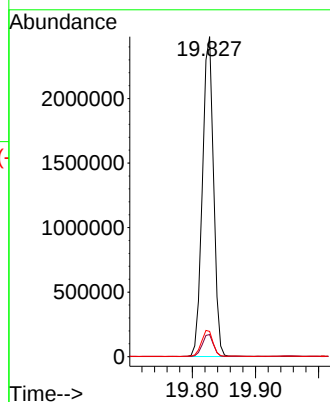
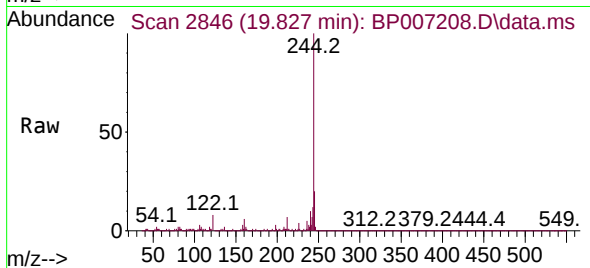
Tgt Ion:244 Resp: 3034196

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 7.9 7.1 10.7



#81

Benzo(a)anthracene

Concen: 36.602 ng

RT: 21.339 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BP007208.D

Acq: 27 Sep 2021 16:41

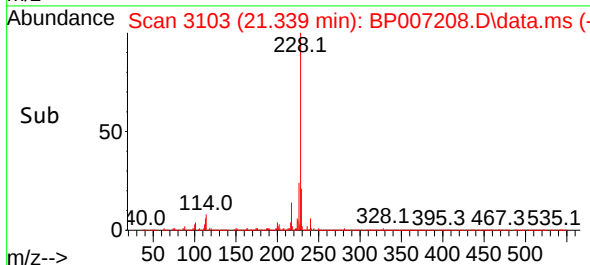
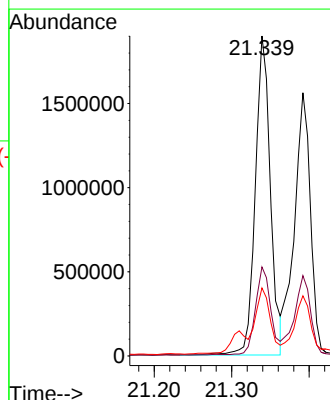
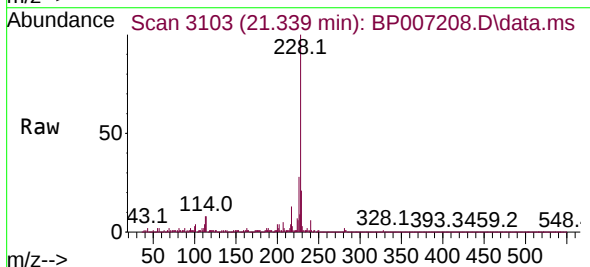
Tgt Ion:228 Resp: 2555900

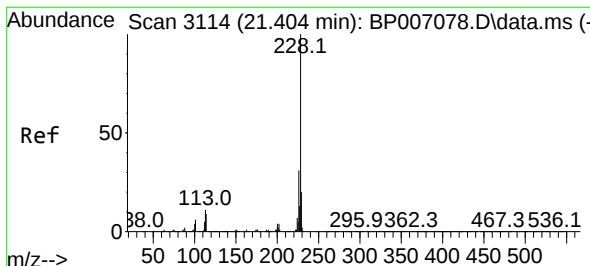
Ion Ratio Lower Upper

228 100

226 27.8 21.6 32.4

229 21.2 15.8 23.6





#83

Chrysene

Concen: 33.612 ng

RT: 21.392 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BP007208.D

Acq: 27 Sep 2021 16:41

Instrument :

BNA_P

ClientSampleId :

TP-1-S

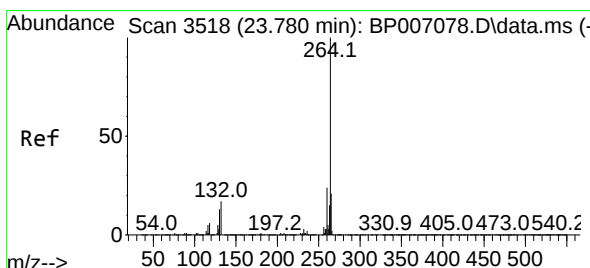
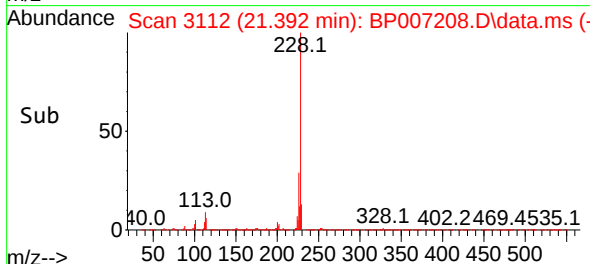
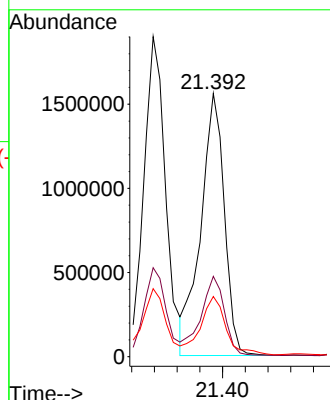
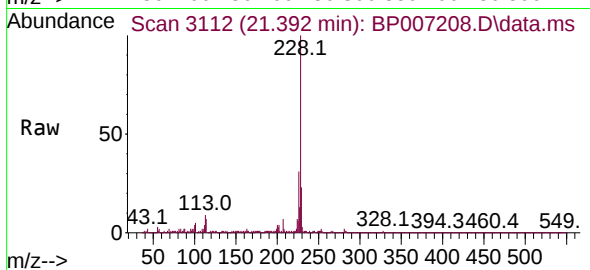
Tgt Ion:228 Resp: 2243228

Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.6

229 22.9 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: BP007208.D

Acq: 27 Sep 2021 16:41

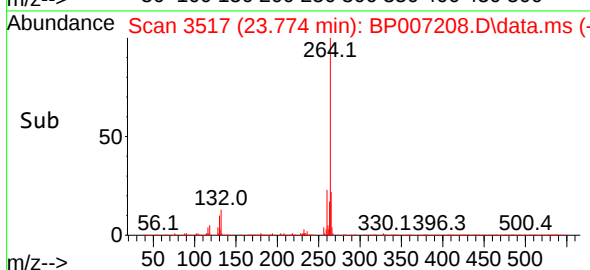
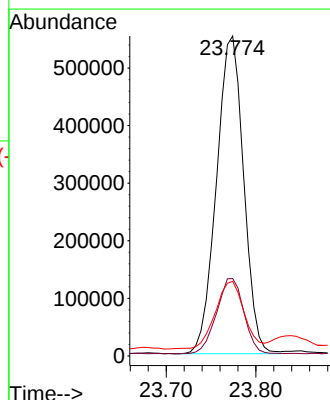
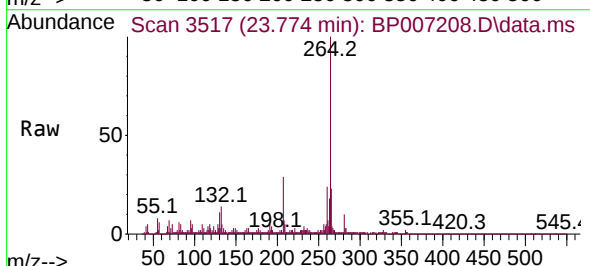
Tgt Ion:264 Resp: 1160261

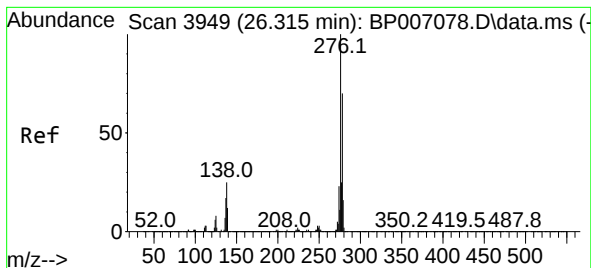
Ion Ratio Lower Upper

264 100

260 24.2 18.6 28.0

265 23.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.354 ng

RT: 26.303 min Scan# 3947

Delta R.T. -0.000 min

Lab File: BP007208.D

Acq: 27 Sep 2021 16:41

Instrument :

BNA_P

ClientSampleId :

TP-1-S

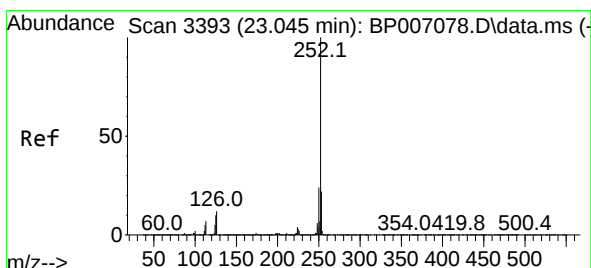
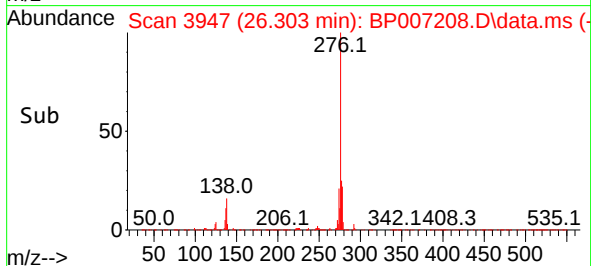
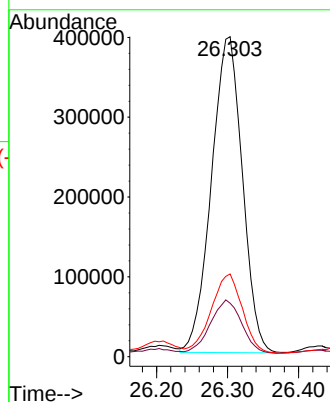
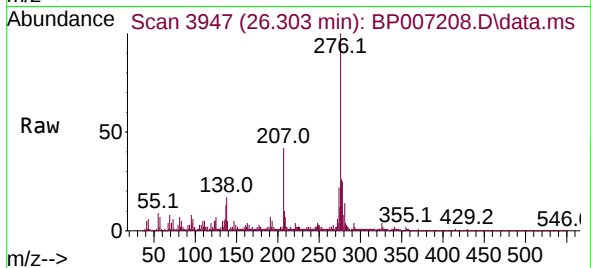
Tgt Ion:276 Resp: 1196911

Ion Ratio Lower Upper

276 100

138 17.1 15.3 22.9

277 25.3 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 39.865 ng

RT: 23.039 min Scan# 3392

Delta R.T. 0.006 min

Lab File: BP007208.D

Acq: 27 Sep 2021 16:41

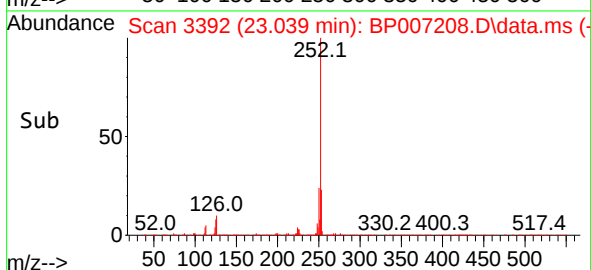
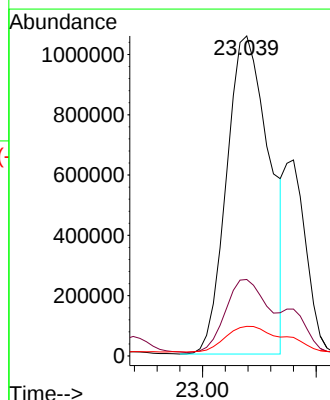
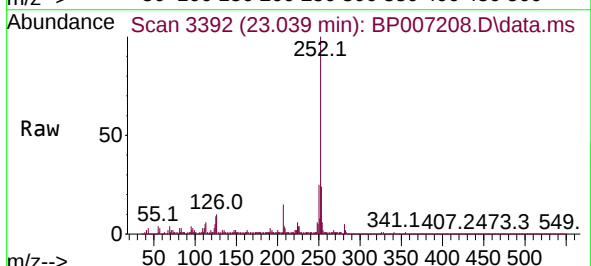
Tgt Ion:252 Resp: 2764231

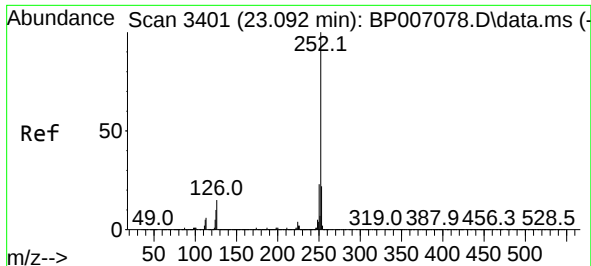
Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 9.2 6.2 9.4

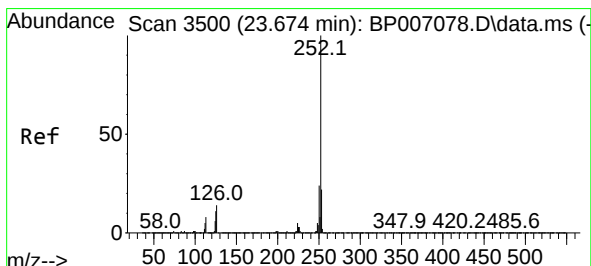
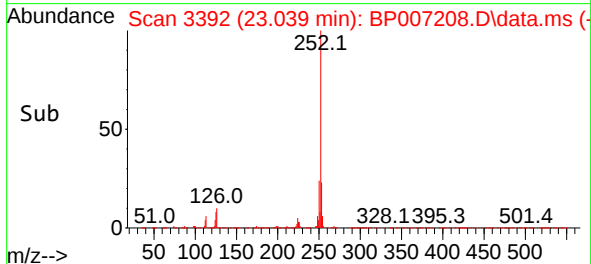
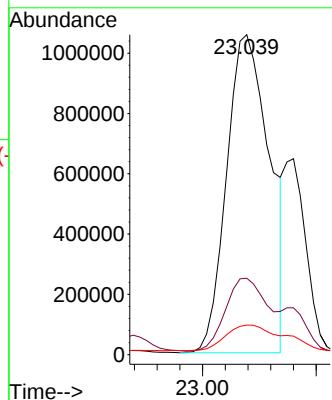
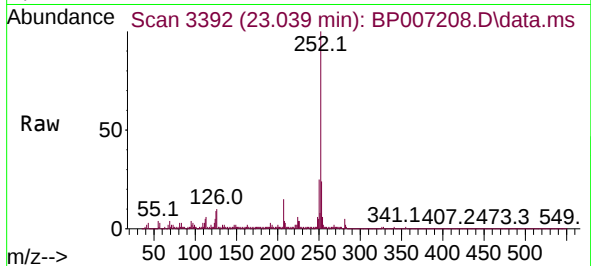




#89
Benzo(k)fluoranthene
Concen: 39.374 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.047 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

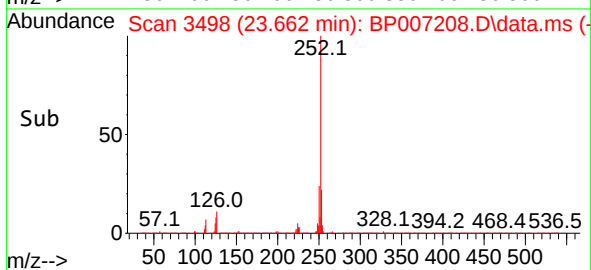
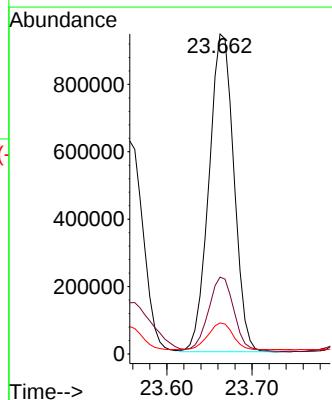
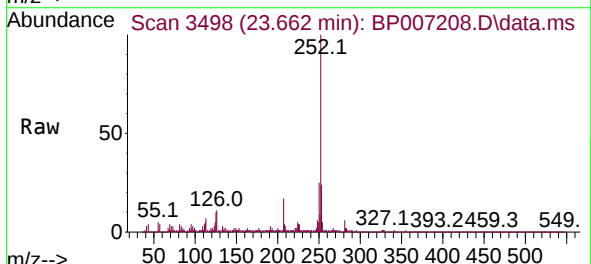
Instrument :
BNA_P
ClientSampleId :
TP-1-S

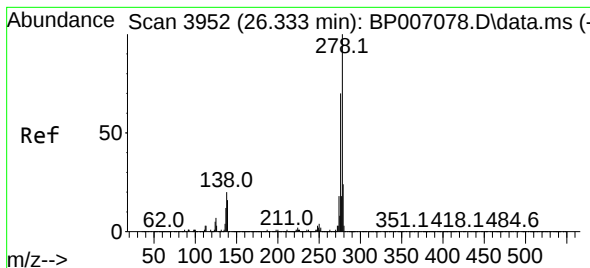
Tgt Ion:252 Resp: 2764231
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 9.2 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 32.568 ng
RT: 23.662 min Scan# 3498
Delta R.T. -0.006 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

Tgt Ion:252 Resp: 1918585
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 9.7 6.5 9.7

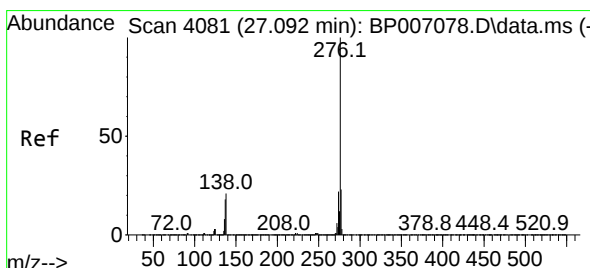
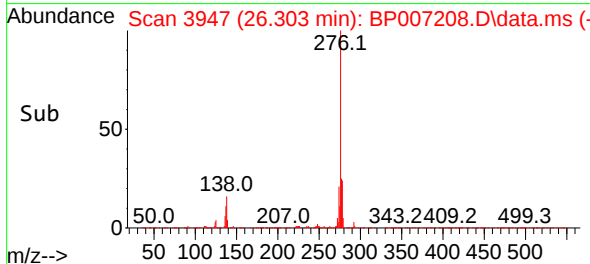
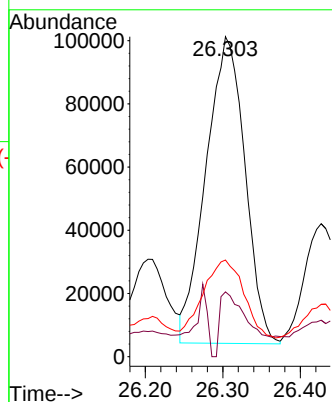
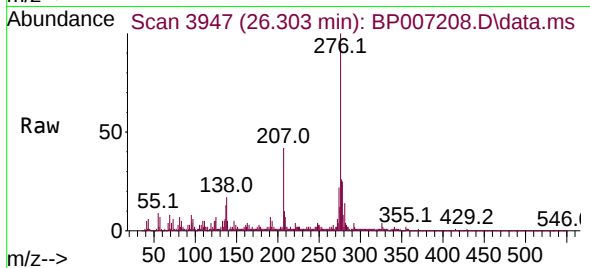




#91
Dibenzo(a,h)anthracene
Concen: 4.856 ng
RT: 26.303 min Scan# 3947
Delta R.T. -0.012 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

Instrument :
BNA_P
ClientSampled :
TP-1-S

Tgt Ion:278 Resp: 339292
Ion Ratio Lower Upper
278 100
139 20.2 9.3 13.9#
279 30.2 18.8 28.2#



#92
Benzo(g,h,i)perylene
Concen: 15.895 ng
RT: 27.080 min Scan# 4079
Delta R.T. 0.006 min
Lab File: BP007208.D
Acq: 27 Sep 2021 16:41

Tgt Ion:276 Resp: 1083871
Ion Ratio Lower Upper
276 100
277 25.2 18.9 28.3
138 18.3 12.6 18.8

