

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
 Data File : BP007171.D
 Acq On : 24 Sep 2021 22:13
 Operator : CG/JU
 Sample : M3917-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 25 01:48:43 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)

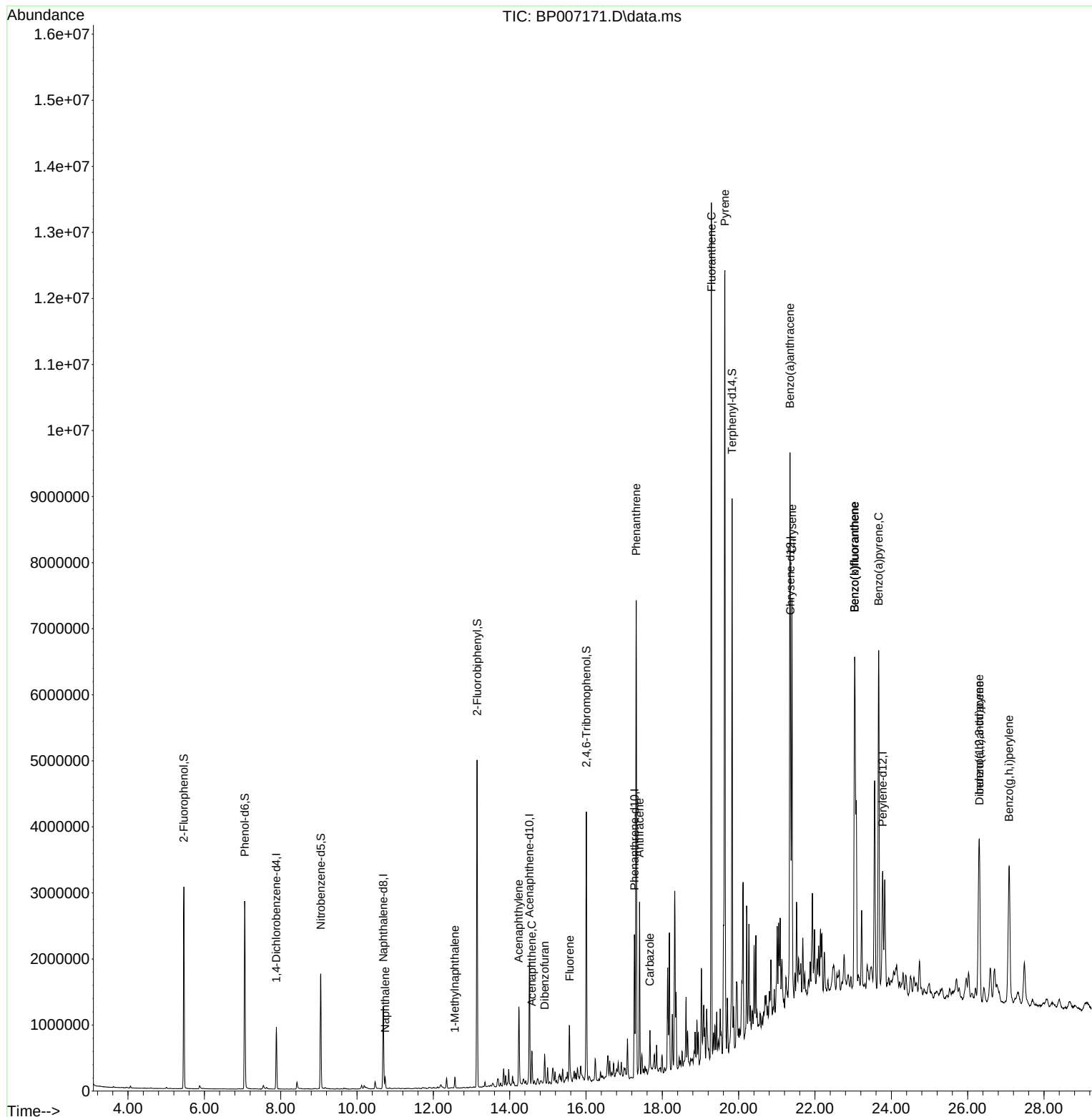
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	268008	20.000	ng	0.00
21) Naphthalene-d8	10.687	136	1058203	20.000	ng	# 0.00
39) Acenaphthene-d10	14.516	164	668446	20.000	ng	-0.01
64) Phenanthrene-d10	17.269	188	1374905	20.000	ng	# 0.00
76) Chrysene-d12	21.357	240	1277523	20.000	ng	# 0.00
86) Perylene-d12	23.774	264	1428738	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1411859	88.183	ng	0.00
7) Phenol-d6	7.057	99	1805012	82.487	ng	0.00
23) Nitrobenzene-d5	9.051	82	1048308	57.692	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	838307	96.734	ng	0.00
45) 2-Fluorobiphenyl	13.145	172	2691689	57.689	ng	0.00
79) Terphenyl-d14	19.827	244	3681446	55.221	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.739	128	148590	2.751	ng	99
38) 1-Methylnaphthalene	12.563	142	79970	2.164	ng	97
49) Acenaphthylene	14.239	152	972705	16.397	ng	100
52) Acenaphthene	14.580	154	193035	5.371	ng	98
55) Dibenzofuran	14.916	168	184661	3.079	ng	# 95
58) Fluorene	15.569	166	439605	9.490	ng	99
71) Phenanthrene	17.316	178	4678622	63.463	ng	99
72) Anthracene	17.404	178	1621958	22.491	ng	99
73) Carbazole	17.674	167	380999	5.391	ng	98
75) Fluoranthene	19.286	202	7887108	92.859	ng	97
78) Pyrene	19.639	202	7695671	91.815	ng	96
81) Benzo(a)anthracene	21.345	228	3890313	46.915	ng	93
83) Chrysene	21.398	228	3702457	46.717	ng	96
87) Indeno(1,2,3-cd)pyrene	26.303	276	2783673	27.111	ng	99
88) Benzo(b)fluoranthene	23.039	252	5041093	59.040	ng	# 96
89) Benzo(k)fluoranthene	23.039	252	5041093	58.313	ng	# 96
90) Benzo(a)pyrene	23.668	252	4068250	56.082	ng	# 97
91) Dibenzo(a,h)anthracene	26.309	278	694583	8.072	ng	# 84
92) Benzo(g,h,i)perylene	27.086	276	2816811	33.545	ng	# 95

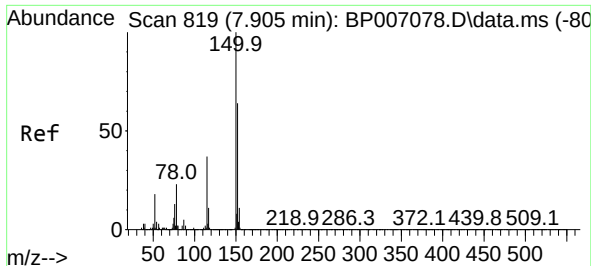
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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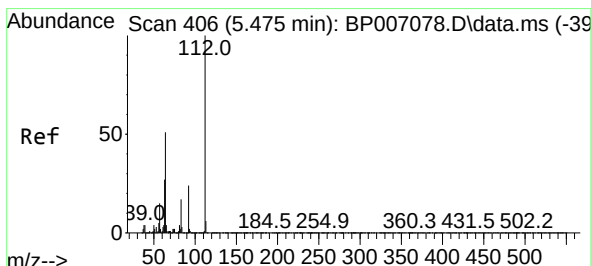
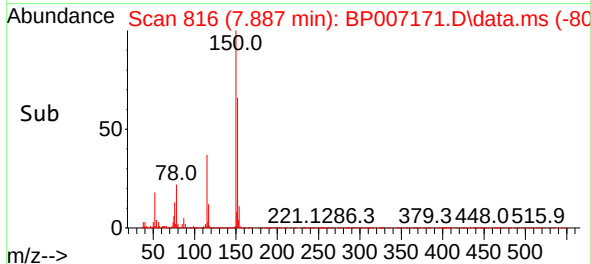
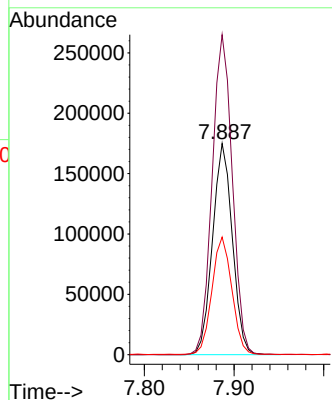
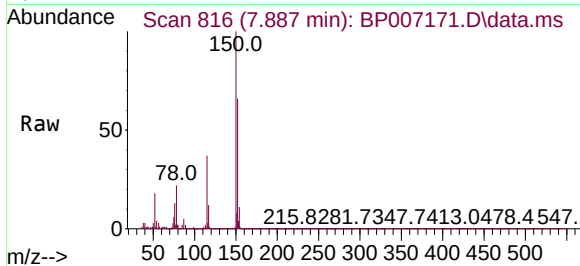




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

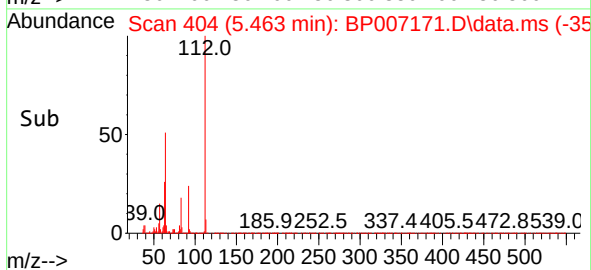
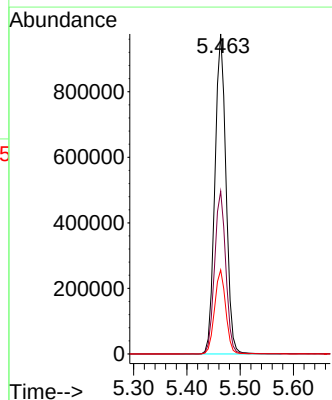
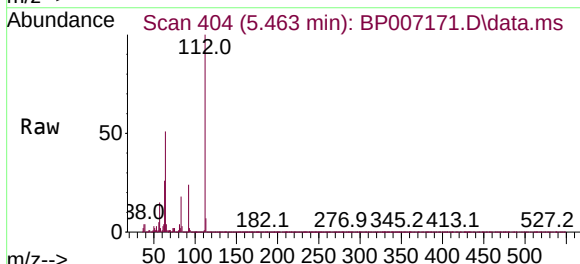
Instrument :
BNA_P
ClientSampleId :

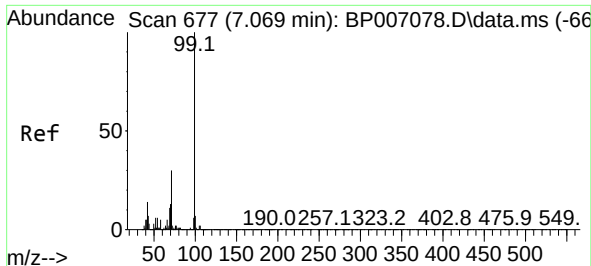
Tgt Ion:152 Resp: 268008
Ion Ratio Lower Upper
152 100
150 151.6 125.6 188.4
115 55.7 48.5 72.7



#5
2-Fluorophenol
Concen: 88.183 ng
RT: 5.463 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Tgt Ion:112 Resp: 1411859
Ion Ratio Lower Upper
112 100
64 50.8 41.4 62.2
63 26.3 23.8 35.8

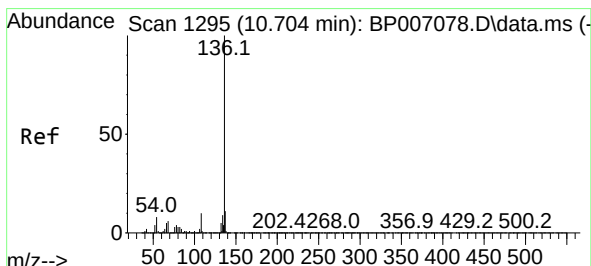
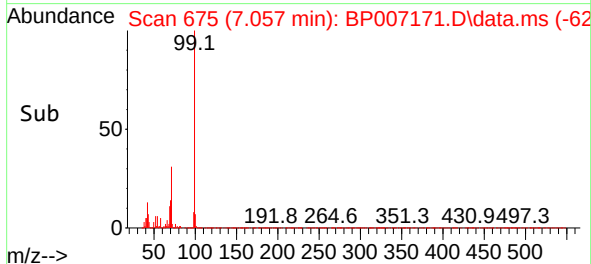
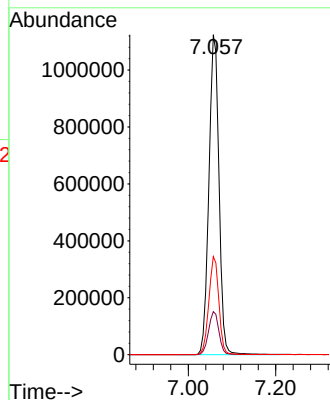
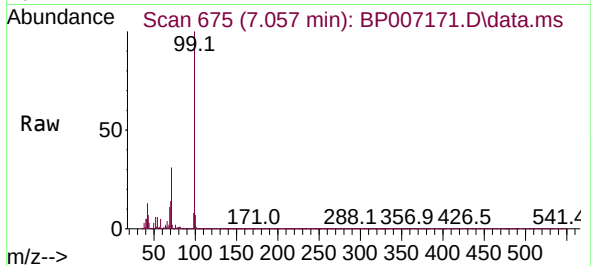




#7
Phenol-d6
Concen: 82.487 ng
RT: 7.057 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

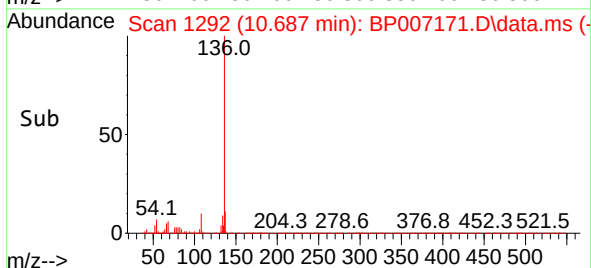
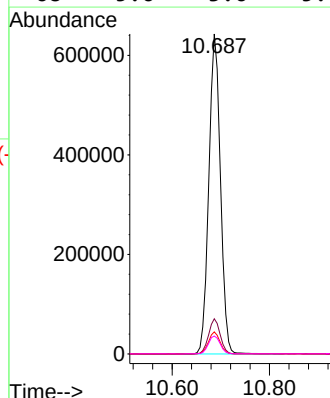
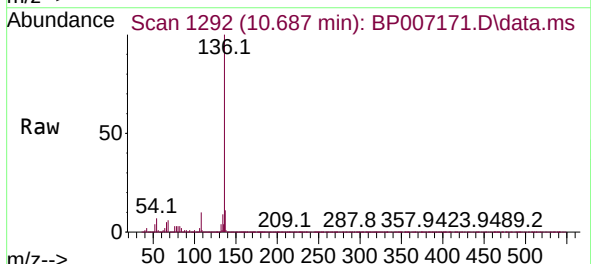
Instrument :
BNA_P
ClientSampleId :

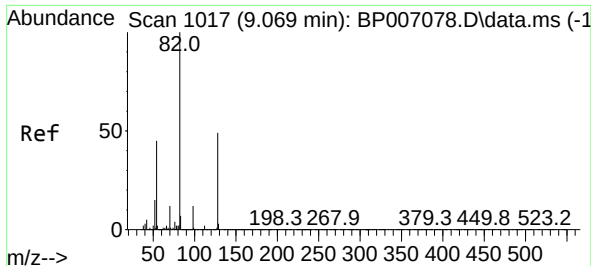
Tgt Ion: 99 Resp: 1805012
Ion Ratio Lower Upper
99 100
42 13.4 13.4 20.0
71 30.7 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.687 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Tgt Ion: 136 Resp: 1058203
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 6.9 4.6 6.8#
68 5.6 3.6 5.4#

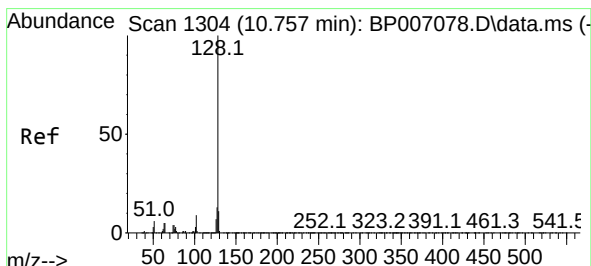
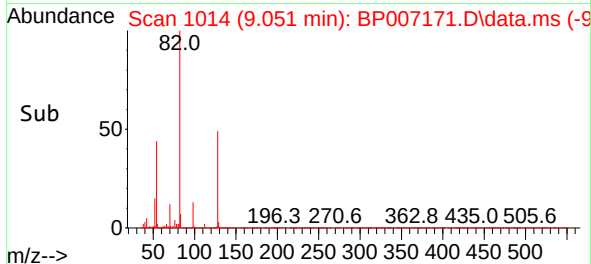
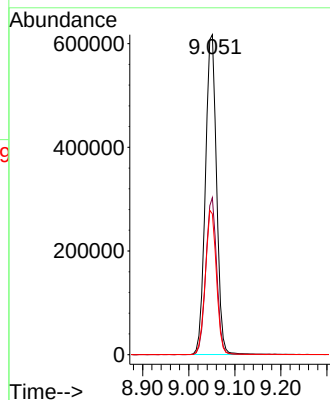
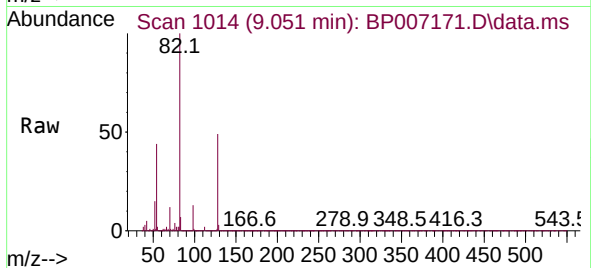




#23
Nitrobenzene-d5
Concen: 57.692 ng
RT: 9.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

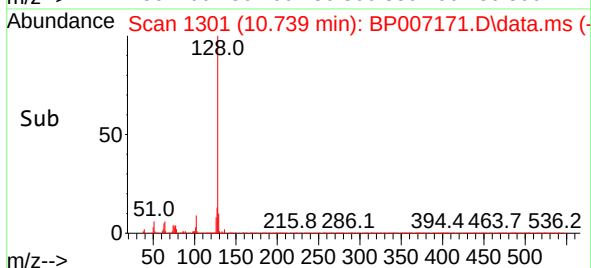
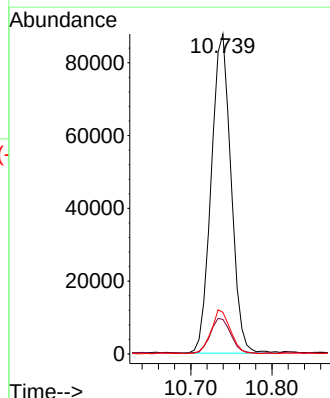
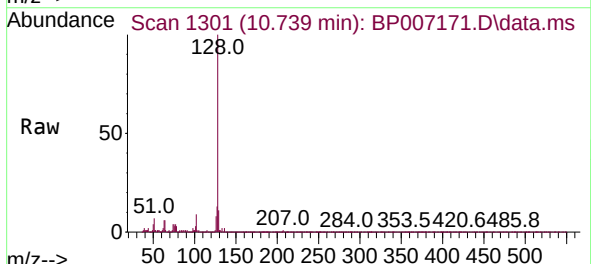
Instrument :
BNA_P
ClientSampleId :

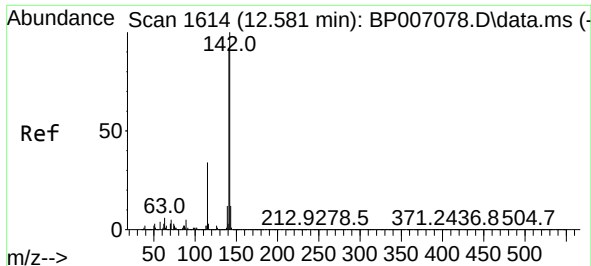
Tgt Ion: 82 Resp: 1048308
Ion Ratio Lower Upper
82 100
128 49.0 35.7 53.5
54 44.0 35.0 52.4



#31
Naphthalene
Concen: 2.751 ng
RT: 10.739 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Tgt Ion:128 Resp: 148590
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 13.0 10.7 16.1

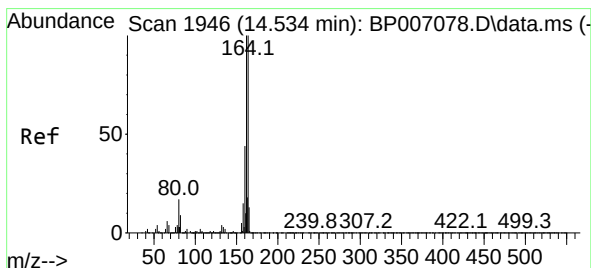
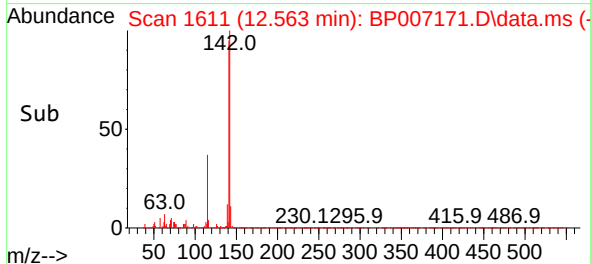
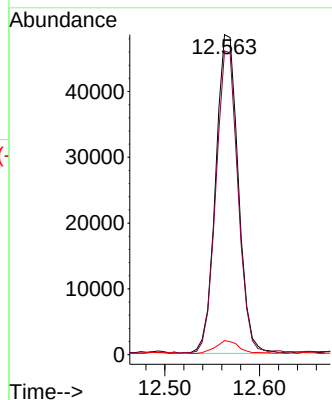
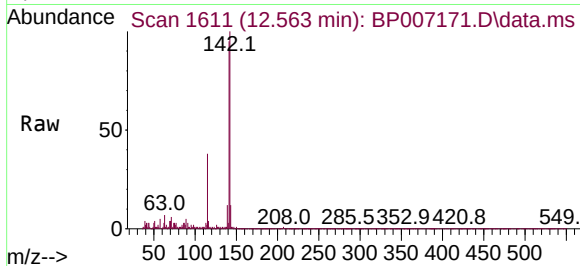




#38
1-Methylnaphthalene
Concen: 2.164 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.012 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

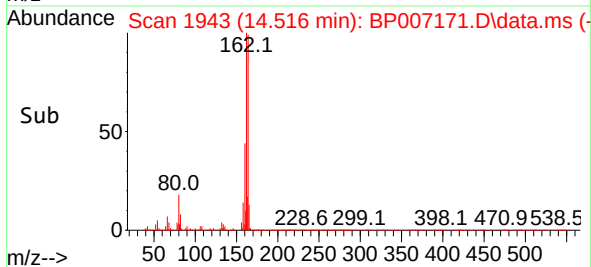
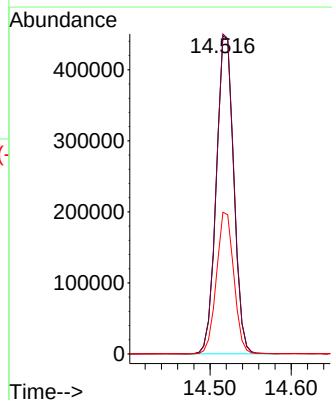
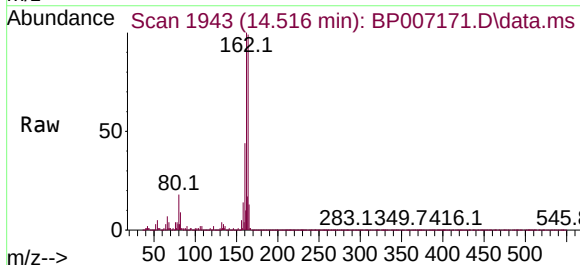
Instrument :
BNA_P
ClientSampled :

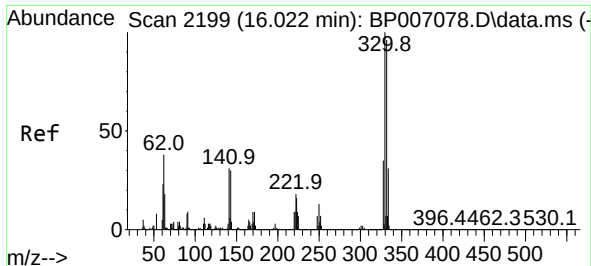
Tgt Ion:	142	Resp:	79970
Ion Ratio	Lower	Upper	
142	100		
141	94.9	73.3	109.9
116	4.4	3.5	5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Tgt Ion:	164	Resp:	668446
Ion Ratio	Lower	Upper	
164	100		
162	100.6	80.2	120.2
160	44.6	34.5	51.7

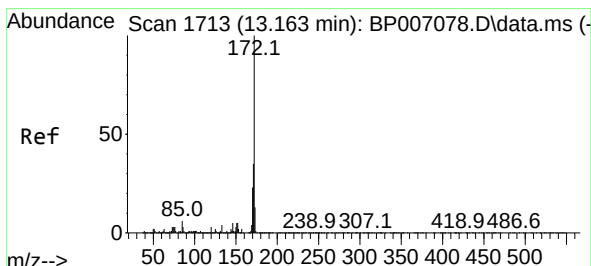
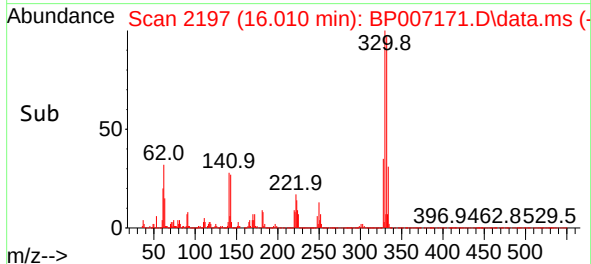
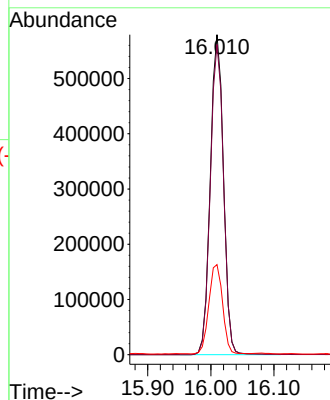
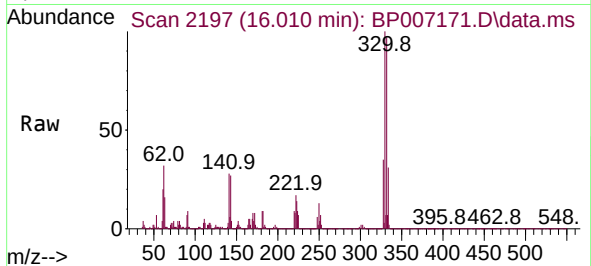




#42
2,4,6-Tribromophenol
Concen: 96.734 ng
RT: 16.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

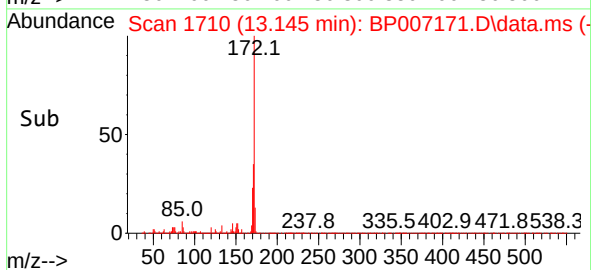
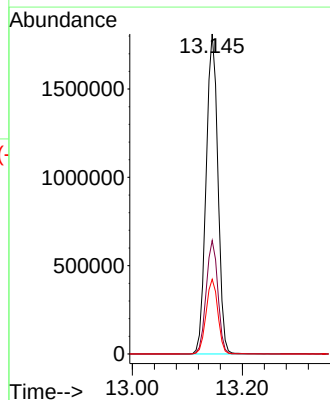
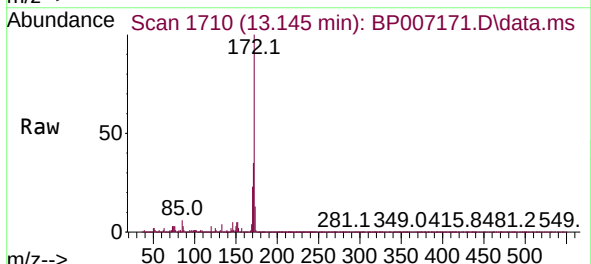
Instrument :
BNA_P
ClientSampleId :

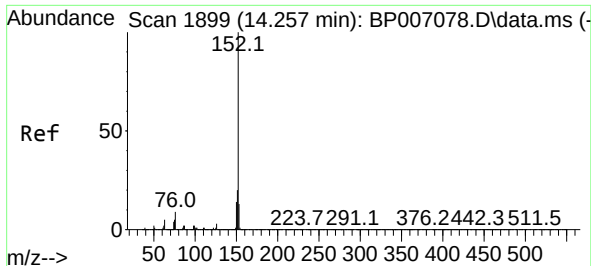
Tgt Ion:330 Resp: 838307
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.8
141 29.0 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 57.689 ng
RT: 13.145 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Tgt Ion:172 Resp: 2691689
Ion Ratio Lower Upper
172 100
171 35.4 27.9 41.9
170 23.4 18.6 27.8





#49

Acenaphthylene

Concen: 16.397 ng

RT: 14.239 min Scan# 1896

Delta R.T. -0.006 min

Lab File: BP007171.D

Acq: 24 Sep 2021 22:13

Tgt Ion:152 Resp: 972705

Ion Ratio Lower Upper

152 100

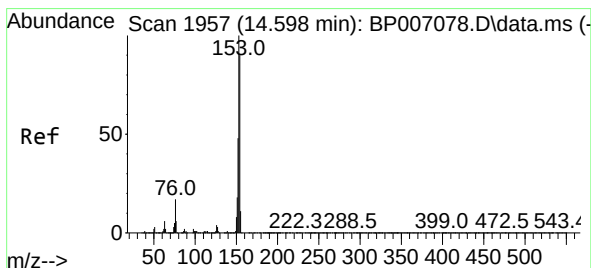
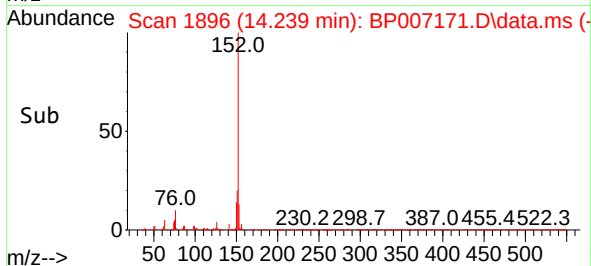
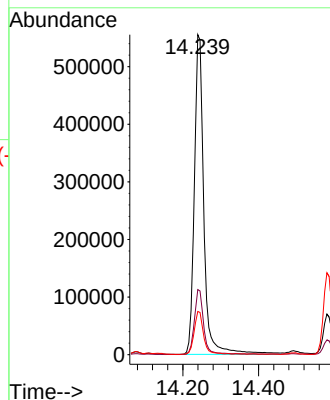
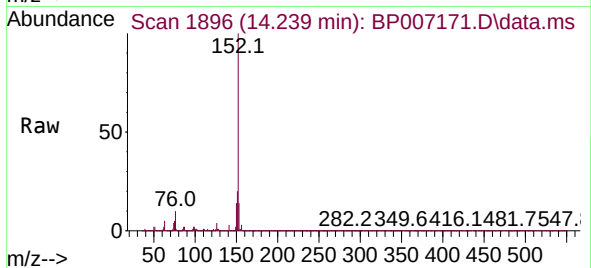
151 20.4 16.2 24.2

153 13.5 10.6 16.0

Instrument :

BNA_P

ClientSampleId :



#52

Acenaphthene

Concen: 5.371 ng

RT: 14.580 min Scan# 1954

Delta R.T. -0.006 min

Lab File: BP007171.D

Acq: 24 Sep 2021 22:13

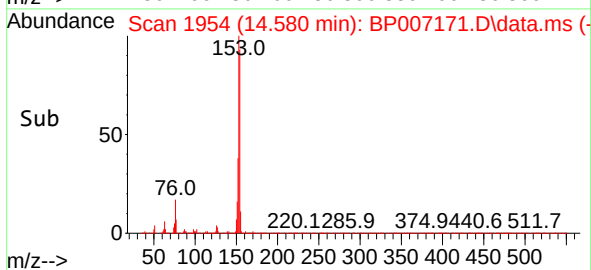
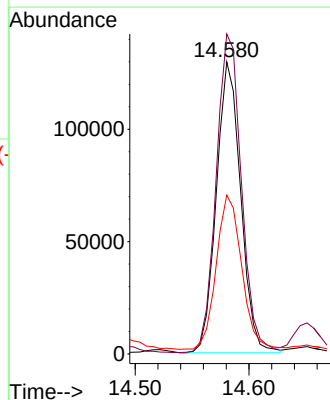
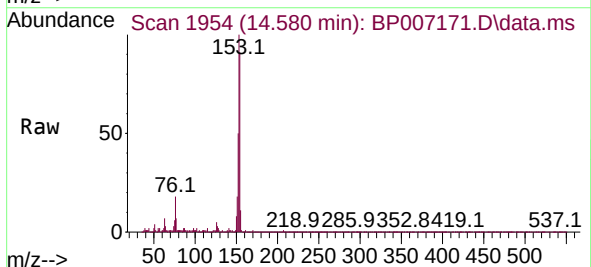
Tgt Ion:154 Resp: 193035

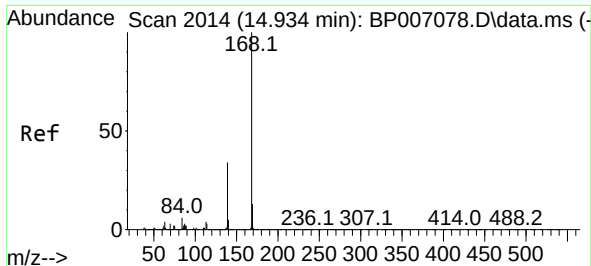
Ion Ratio Lower Upper

154 100

153 109.5 89.4 134.2

152 54.4 43.0 64.4

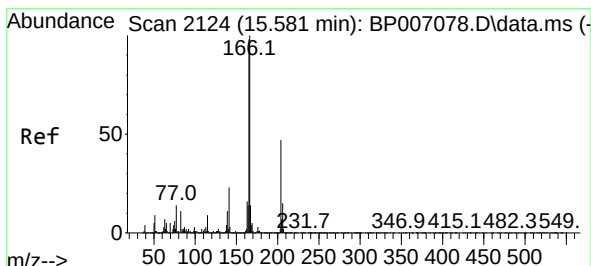
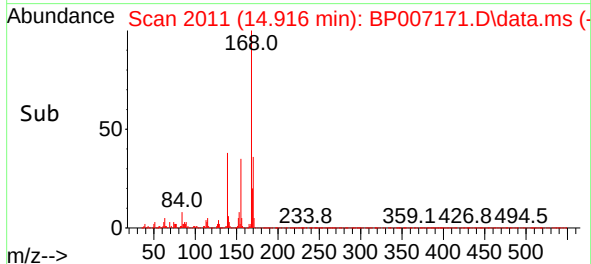
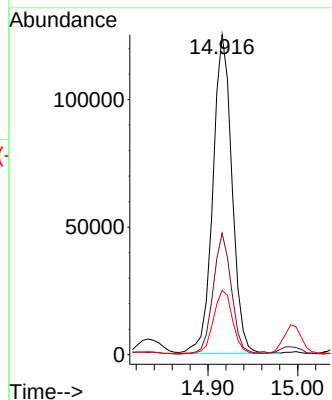
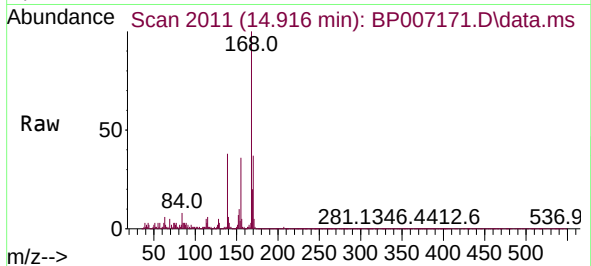




#55
Dibenzenofuran
Concen: 3.079 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

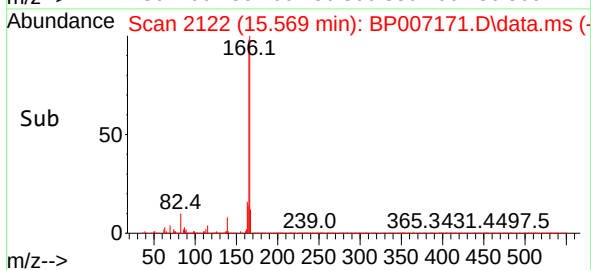
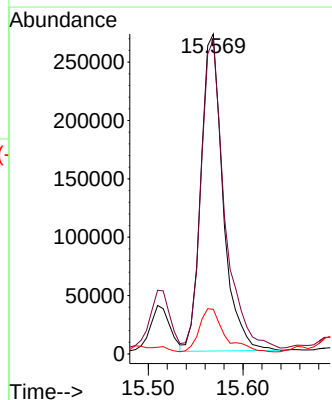
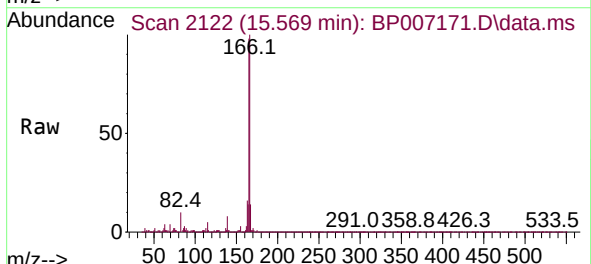
Instrument :
BNA_P
ClientSampleId :

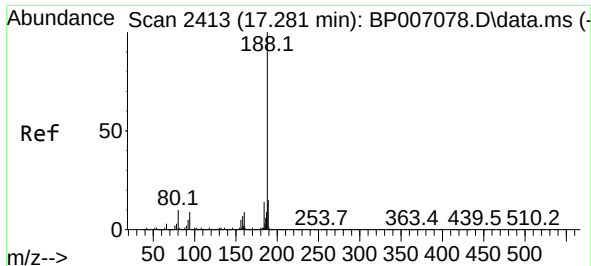
Tgt Ion:168 Resp: 184661
Ion Ratio Lower Upper
168 100
139 37.9 31.0 46.6
169 20.1 10.8 16.2#



#58
Fluorene
Concen: 9.490 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Tgt Ion:166 Resp: 439605
Ion Ratio Lower Upper
166 100
165 98.2 78.0 117.0
167 14.0 10.5 15.7

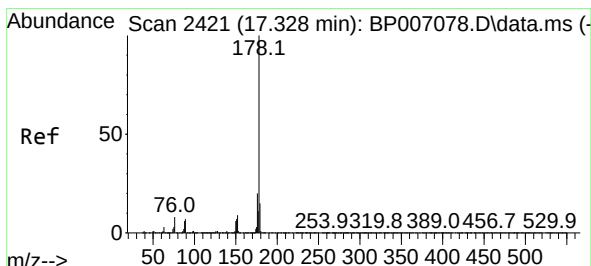
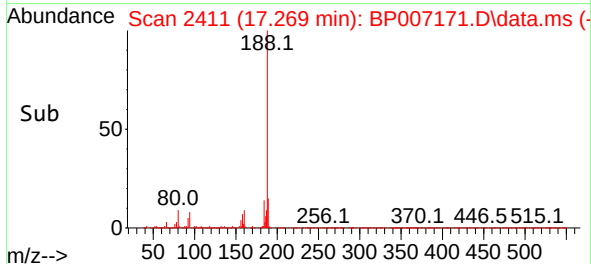
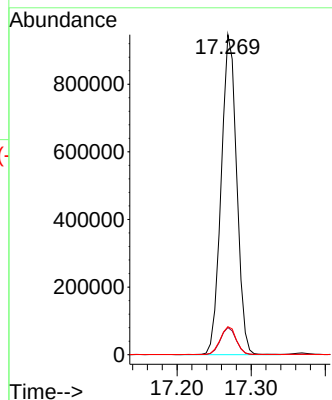
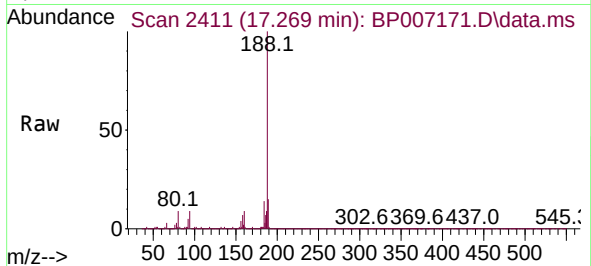




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

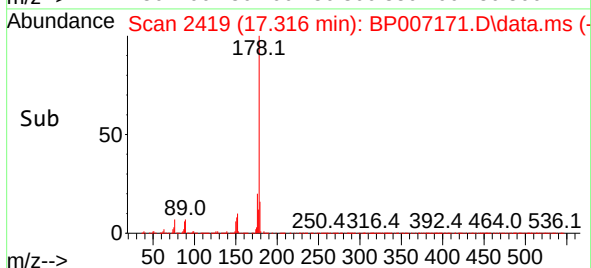
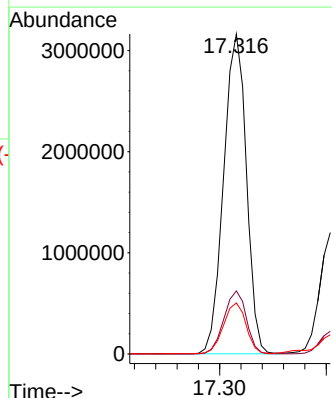
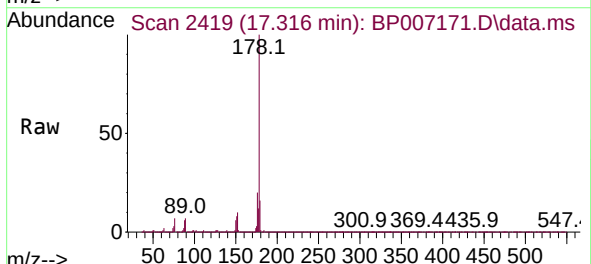
Instrument :
BNA_P
ClientSampleId :

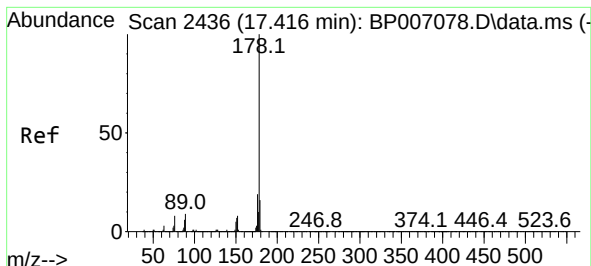
Tgt Ion:188 Resp: 1374905
Ion Ratio Lower Upper
188 100
94 8.5 5.6 8.4#
80 8.8 6.3 9.5



#71
Phenanthrene
Concen: 63.463 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Tgt Ion:178 Resp: 4678622
Ion Ratio Lower Upper
178 100
176 19.7 15.1 22.7
179 16.0 12.4 18.6





#72

Anthracene

Concen: 22.491 ng

RT: 17.404 min Scan# 2434

Delta R.T. -0.006 min

Lab File: BP007171.D

Acq: 24 Sep 2021 22:13

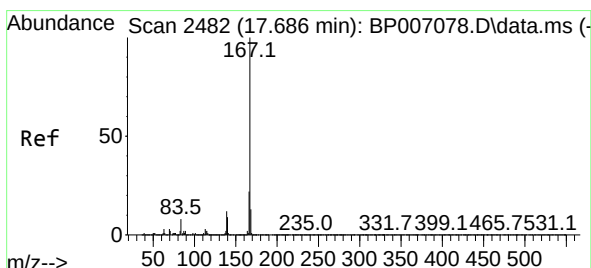
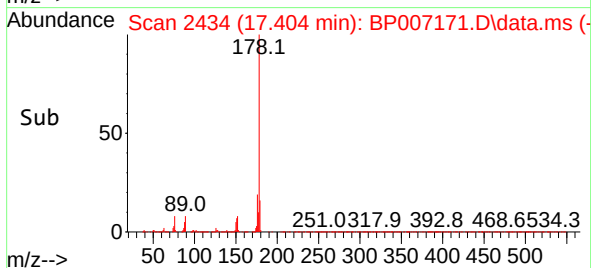
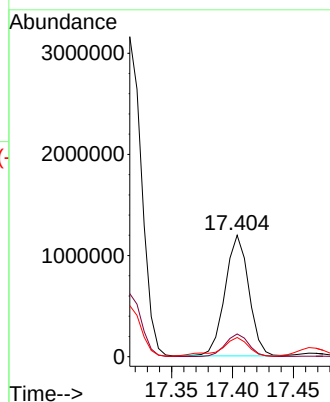
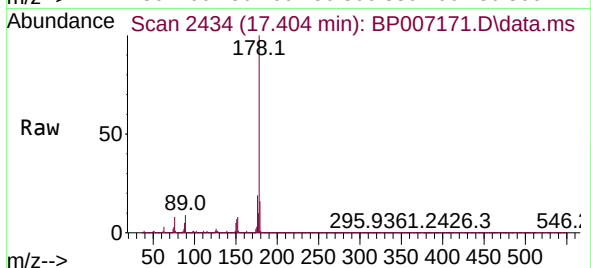
Tgt Ion:178 Resp: 1621958

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.8 12.2 18.2



#73

Carbazole

Concen: 5.391 ng

RT: 17.674 min Scan# 2480

Delta R.T. -0.006 min

Lab File: BP007171.D

Acq: 24 Sep 2021 22:13

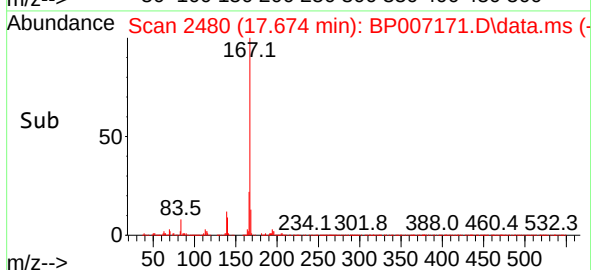
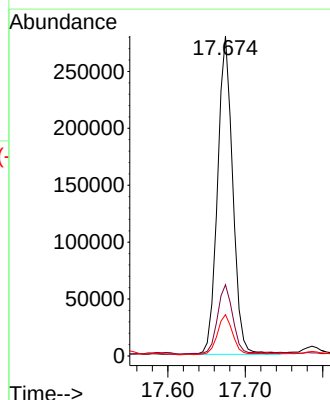
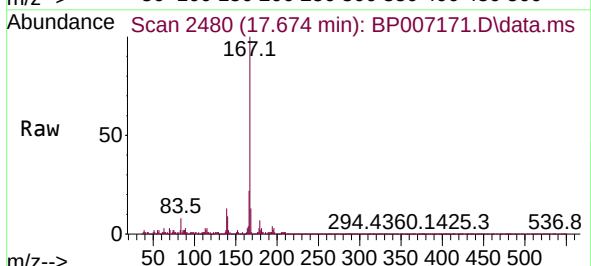
Tgt Ion:167 Resp: 380999

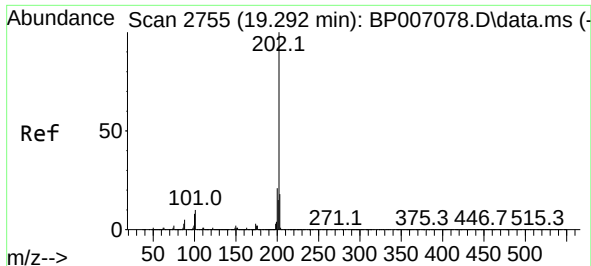
Ion Ratio Lower Upper

167 100

166 22.3 17.1 25.7

139 12.9 10.7 16.1

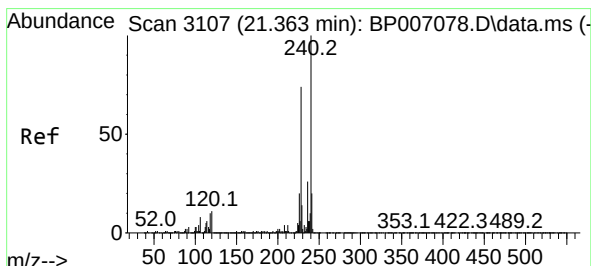
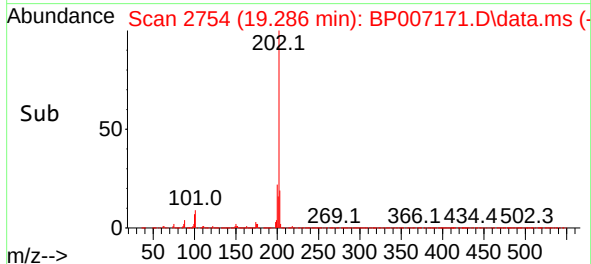
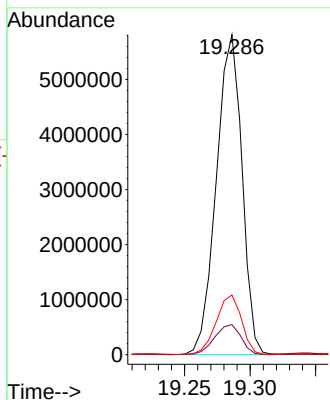
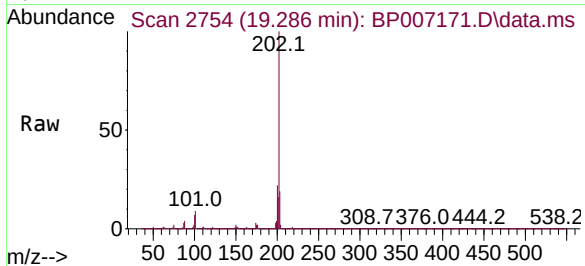




#75
Fluoranthene
Concen: 92.859 ng
RT: 19.286 min Scan# 2754
Delta R.T. 0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

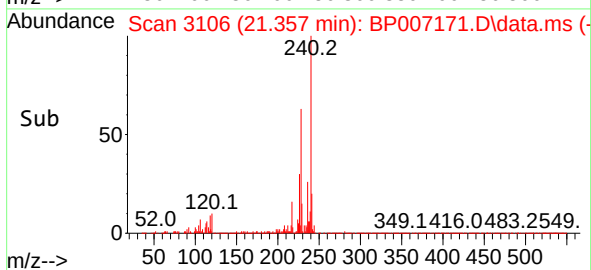
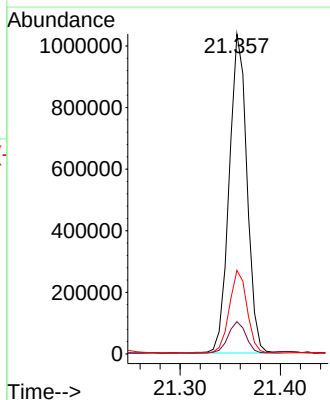
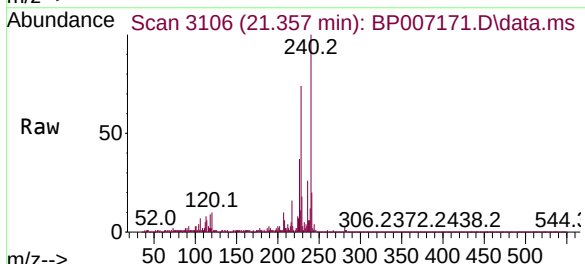
Instrument :
BNA_P
ClientSampleId :

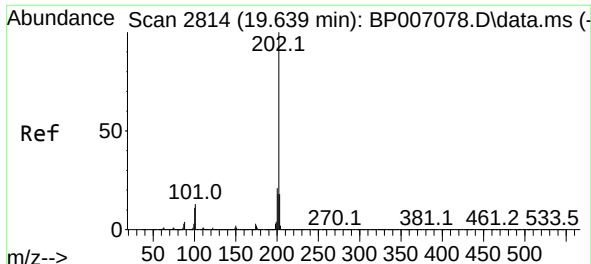
Tgt Ion:202 Resp: 7887108
Ion Ratio Lower Upper
202 100
101 9.4 0.0 27.6
203 18.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.000 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Tgt Ion:240 Resp: 1277523
Ion Ratio Lower Upper
240 100
120 10.1 6.5 9.7#
236 26.1 20.6 31.0

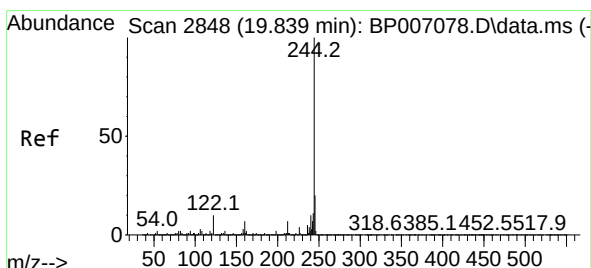
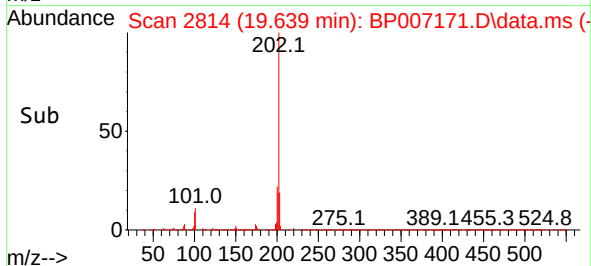
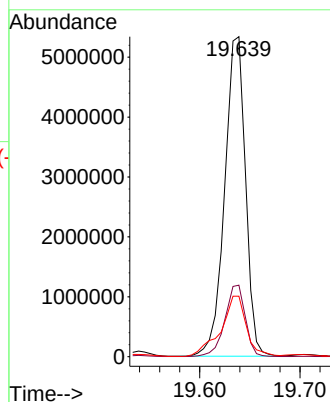
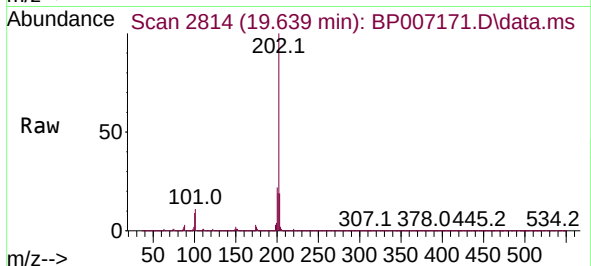




#78
Pyrene
Concen: 91.815 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

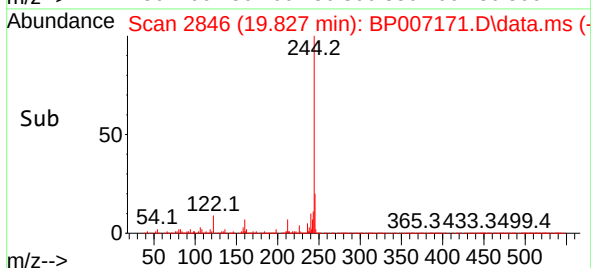
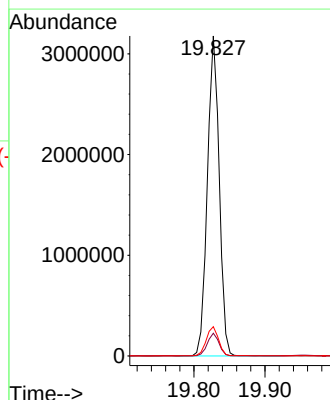
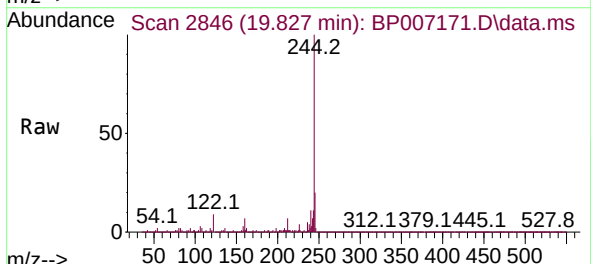
Instrument :
BNA_P
ClientSampled :

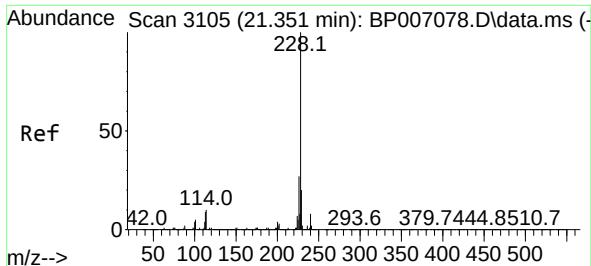
Tgt Ion:202 Resp: 7695671
Ion Ratio Lower Upper
202 100
200 22.3 16.3 24.5
203 18.9 14.2 21.2



#79
Terphenyl-d14
Concen: 55.221 ng
RT: 19.827 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Tgt Ion:244 Resp: 3681446
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.1 7.1 10.7

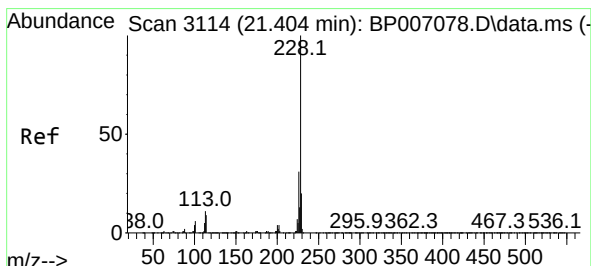
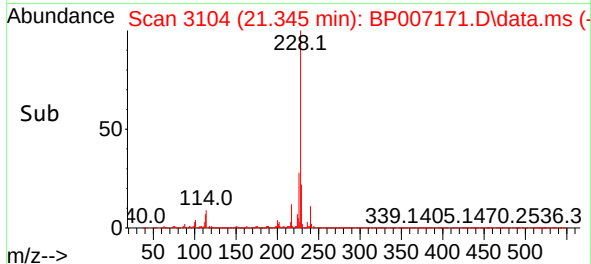
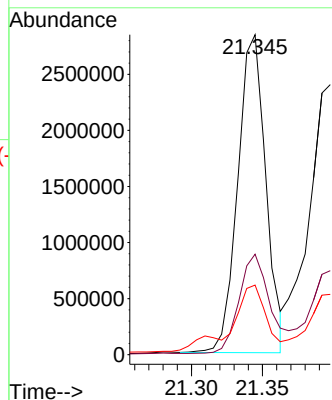
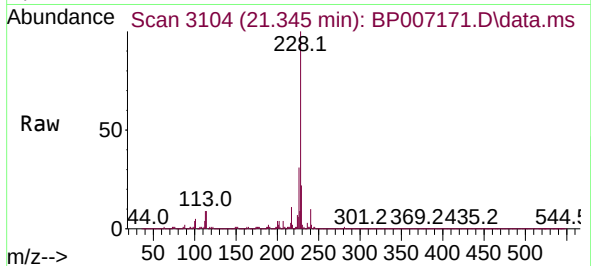




#81
Benzo(a)anthracene
Concen: 46.915 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

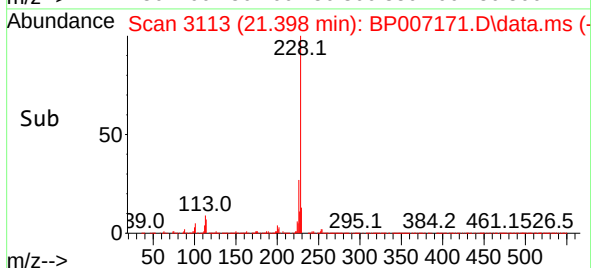
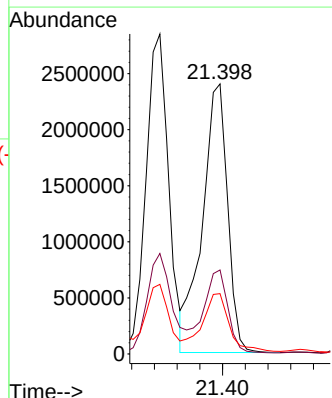
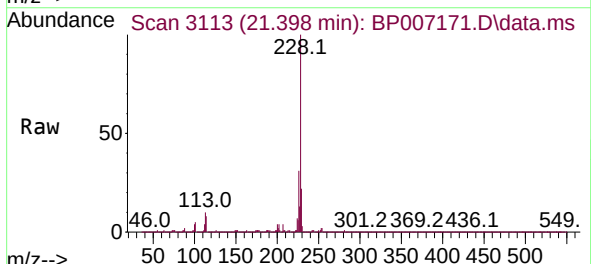
Instrument :
BNA_P
ClientSampled :

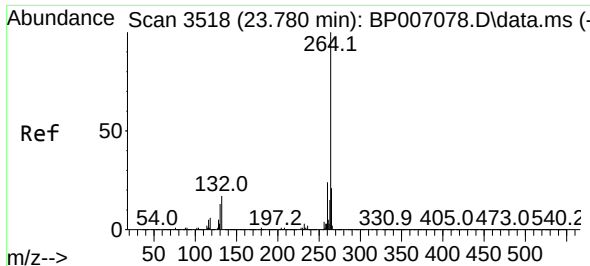
Tgt Ion:228 Resp: 3890313
Ion Ratio Lower Upper
228 100
226 31.4 21.6 32.4
229 21.7 15.8 23.6



#83
Chrysene
Concen: 46.717 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Tgt Ion:228 Resp: 3702457
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.6
229 22.3 15.4 23.2



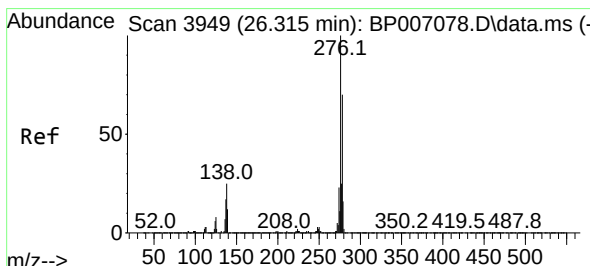
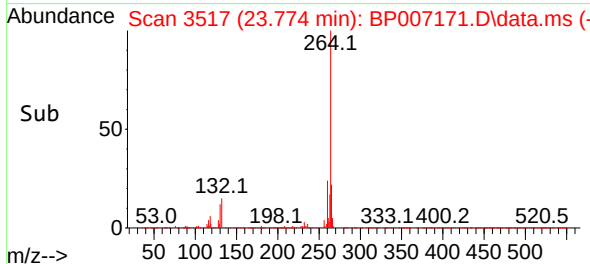
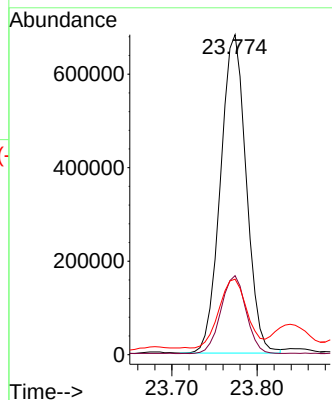
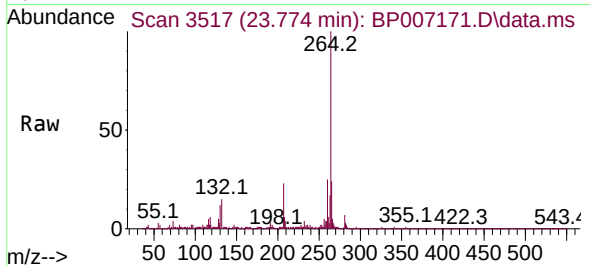


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3517
Delta R.T. 0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Instrument :
BNA_P
ClientSampled :

Tgt Ion:264 Resp: 1428738

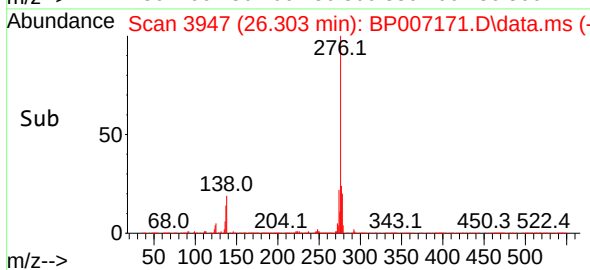
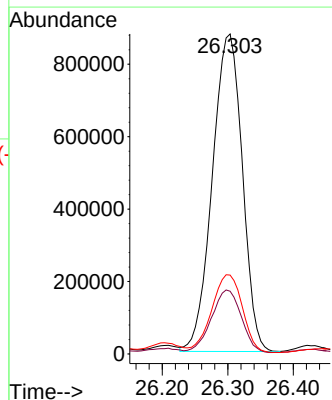
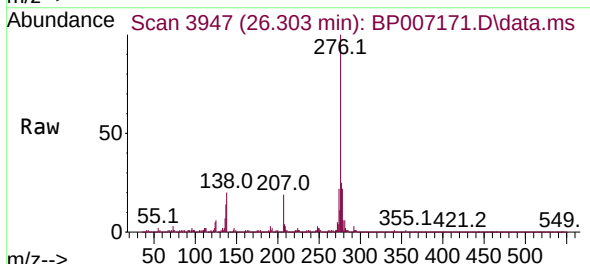
Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.6	28.0
265	23.6	17.6	26.4

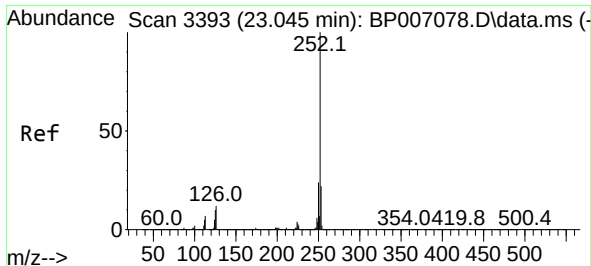


#87
Indeno(1,2,3-cd)pyrene
Concen: 27.111 ng
RT: 26.303 min Scan# 3947
Delta R.T. -0.000 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Tgt Ion:276 Resp: 2783673

Ion	Ratio	Lower	Upper
276	100		
138	19.6	15.3	22.9
277	25.0	20.4	30.6

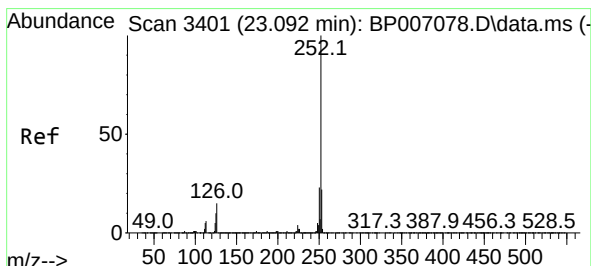
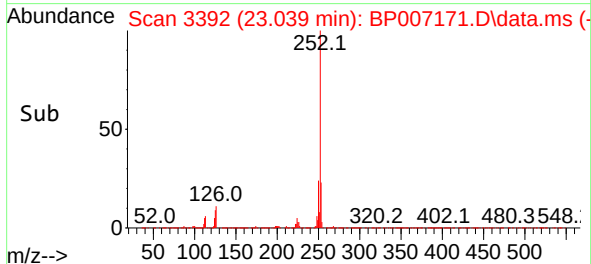
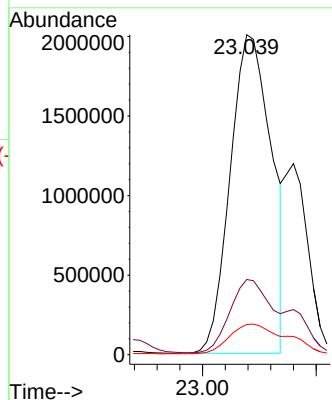
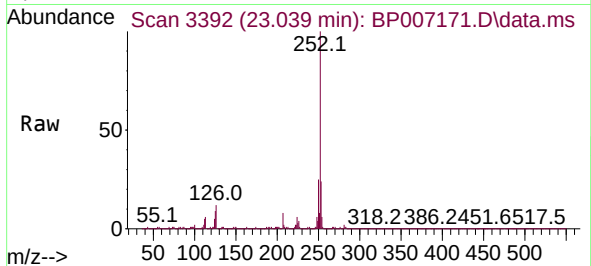




#88
Benzo(b)fluoranthene
Concen: 59.040 ng
RT: 23.039 min Scan# 3392
Delta R.T. 0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

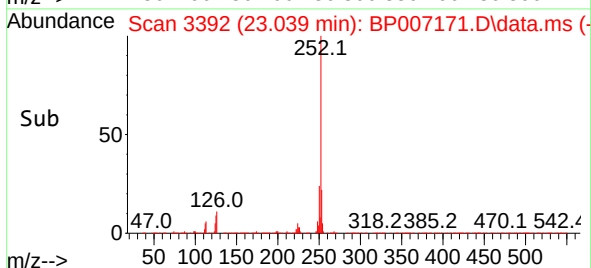
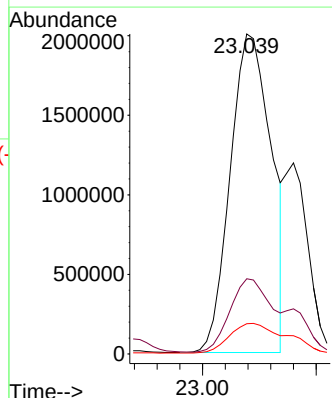
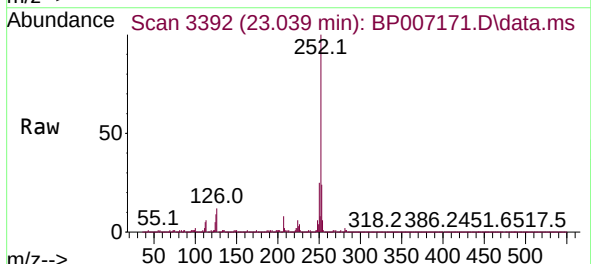
Instrument :
BNA_P
ClientSampleId :

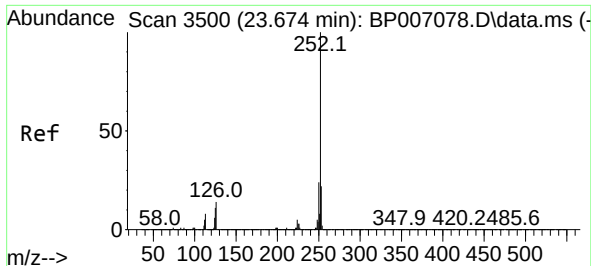
Tgt Ion:252 Resp: 5041093
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.4 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 58.313 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.047 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

Tgt Ion:252 Resp: 5041093
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 9.4 6.0 9.0#

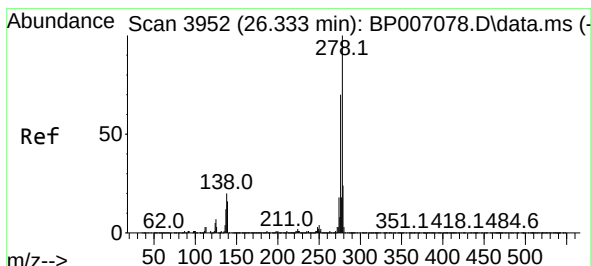
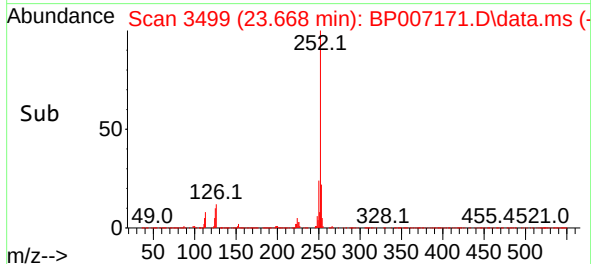
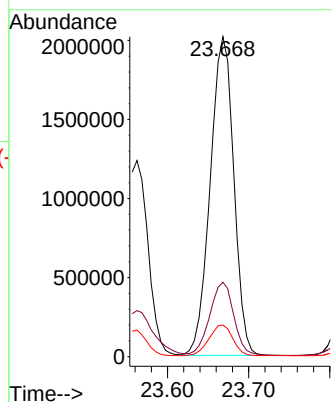
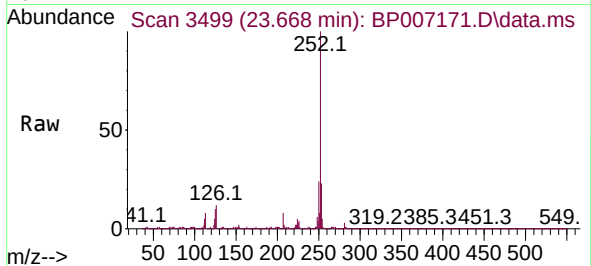




#90
Benzo(a)pyrene
Concen: 56.082 ng
RT: 23.668 min Scan# 3499
Delta R.T. -0.000 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

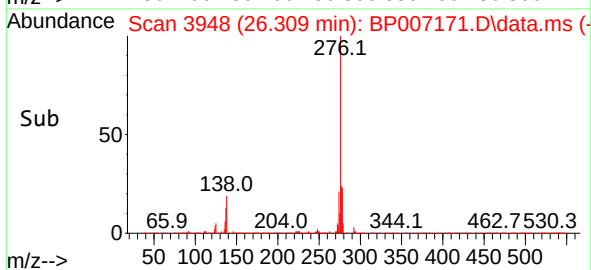
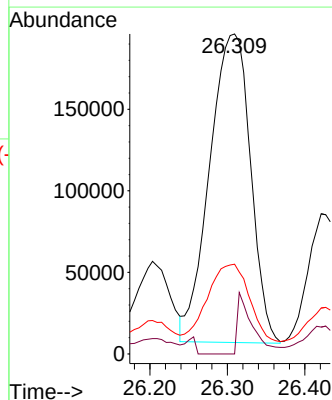
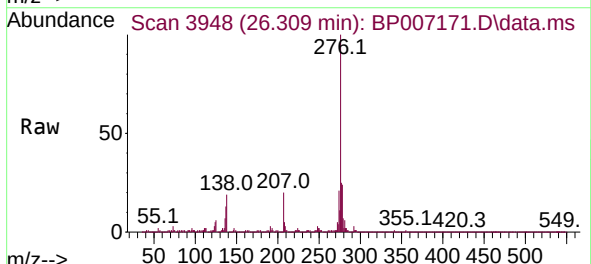
Instrument :
BNA_P
ClientSampleId :

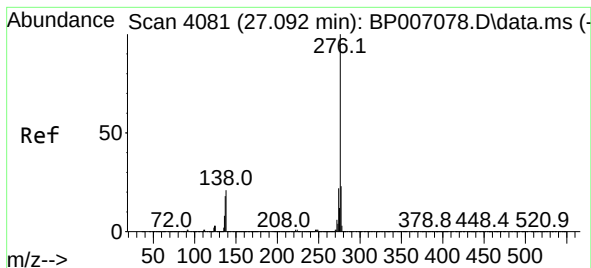
Tgt Ion:252 Resp: 4068250
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 9.9 6.5 9.7#



#91
Dibenzo(a,h)anthracene
Concen: 8.072 ng
RT: 26.309 min Scan# 3948
Delta R.T. -0.006 min
Lab File: BP007171.D
Acq: 24 Sep 2021 22:13

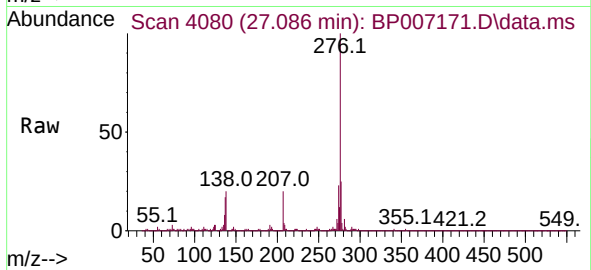
Tgt Ion:278 Resp: 694583
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 28.0 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 33.545 ng
 RT: 27.086 min Scan# 4080
 Delta R.T. 0.011 min
 Lab File: BP007171.D
 Acq: 24 Sep 2021 22:13

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion: 276 Resp: 2816811
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.9 28.3
 138 19.9 12.6 18.8#

