

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100121\
 Data File : BP007289.D
 Acq On : 01 Oct 2021 14:12
 Operator : CG/JU
 Sample : M3999-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 229-342

Quant Time: Oct 01 14:49:45 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 12:49:05 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

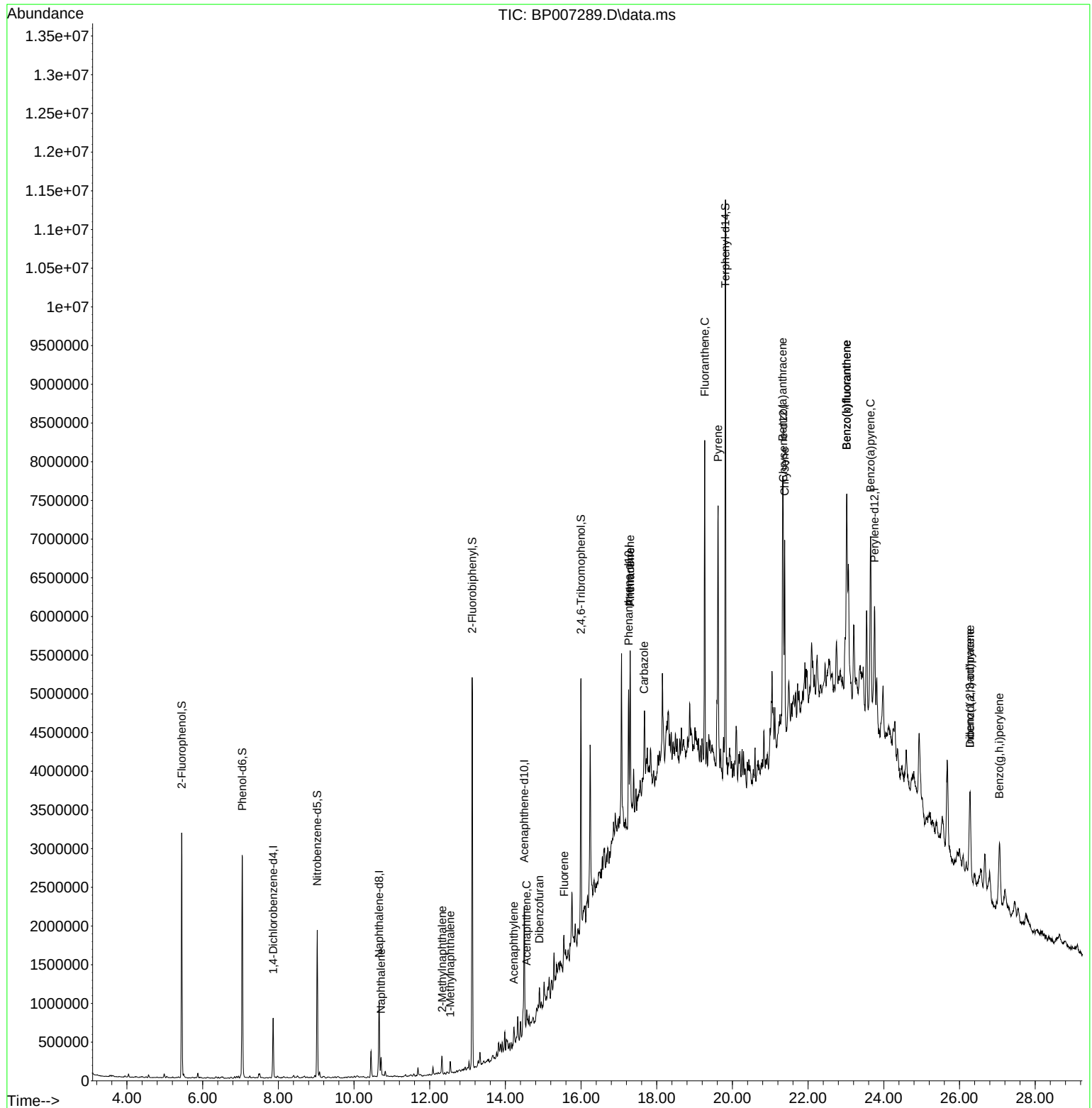
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	213105	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	832016	20.000	ng	# 0.00
39) Acenaphthene-d10	14.498	164	507231	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	991183	20.000	ng	# 0.00
76) Chrysene-d12	21.345	240	1010020	20.000	ng	# 0.00
86) Perylene-d12	23.757	264	1086664	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	1480380	116.284	ng	0.00
7) Phenol-d6	7.046	99	1837673	105.615	ng	0.00
23) Nitrobenzene-d5	9.028	82	1101749	77.116	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	741766	112.799	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	2719268	76.803	ng	0.00
79) Terphenyl-d14	19.816	244	3813988	72.361	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.716	128	187297	4.411	ng	99
37) 2-Methylnaphthalene	12.328	142	107390	3.612	ng	95
38) 1-Methylnaphthalene	12.545	142	74669	2.570	ng	98
49) Acenaphthylene	14.222	152	136247	3.027	ng	93
52) Acenaphthene	14.563	154	87858	3.221	ng	95
55) Dibenzofuran	14.898	168	124402	2.734	ng	# 96
58) Fluorene	15.551	166	94604	2.691	ng	# 91
71) Phenanthrene	17.298	178	1402058	26.381	ng	98
72) Anthracene	17.298	178	1402058	26.968	ng	97
73) Carbazole	17.663	167	158230	3.106	ng	# 82
75) Fluoranthene	19.269	202	2648557	43.255	ng	97
78) Pyrene	19.622	202	2357163	35.571	ng	98
81) Benzo(a)anthracene	21.327	228	1601223	24.424	ng	96
83) Chrysene	21.380	228	1465561	23.390	ng	96
87) Indeno(1,2,3-cd)pyrene	26.280	276	1235020	15.815	ng	98
88) Benzo(b)fluoranthene	23.021	252	2330558	35.887	ng	# 93
89) Benzo(k)fluoranthene	23.021	252	2330558	35.445	ng	# 93
90) Benzo(a)pyrene	23.651	252	1639888	29.723	ng	# 93
91) Dibenzo(a,h)anthracene	26.280	278	335619	5.128	ng	# 79
92) Benzo(g,h,i)perylene	27.056	276	1213792	19.005	ng	# 92

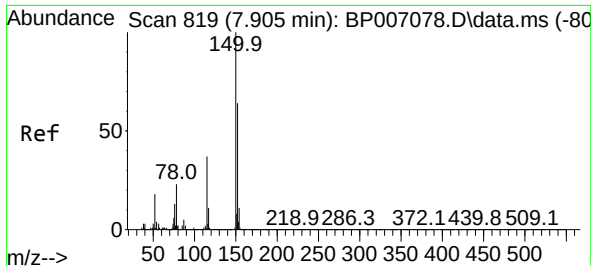
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100121\
Data File : BP007289.D
Acq On : 01 Oct 2021 14:12
Operator : CG/JU
Sample : M3999-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
229-342

Quant Time: Oct 01 14:49:45 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 12:49:05 2021
Response via : Initial Calibration

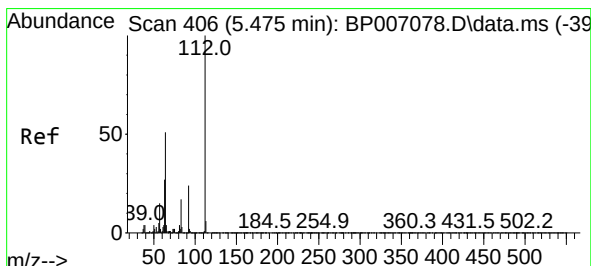
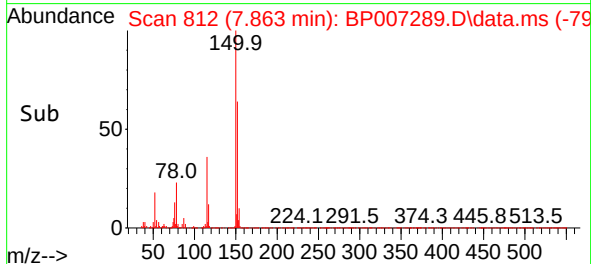
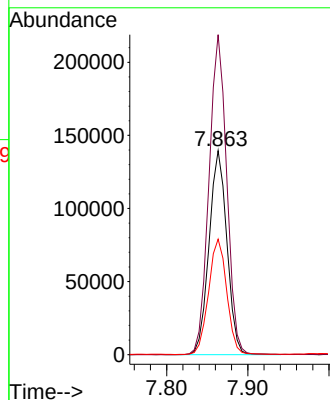
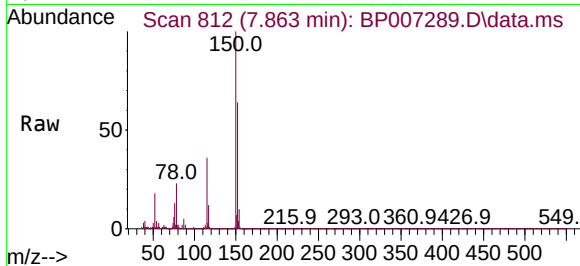




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 812
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

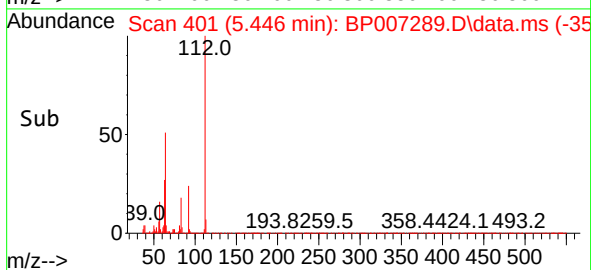
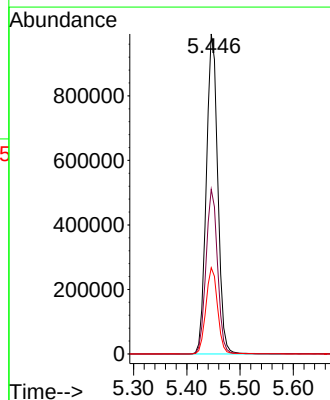
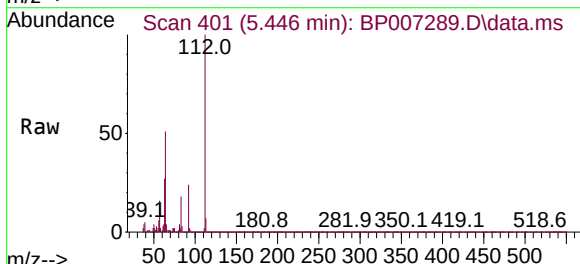
Instrument :
BNA_P
ClientSampleId :
229-342

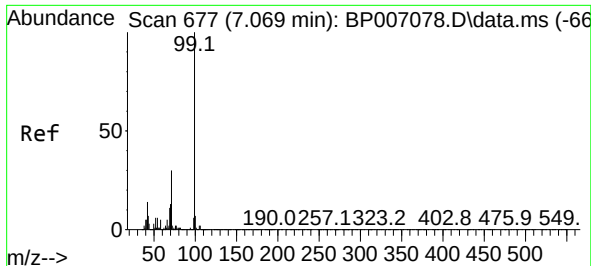
Tgt Ion:152 Resp: 213105
Ion Ratio Lower Upper
152 100
150 156.9 125.6 188.4
115 56.7 48.5 72.7



#5
2-Fluorophenol
Concen: 116.284 ng
RT: 5.446 min Scan# 401
Delta R.T. -0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:112 Resp: 1480380
Ion Ratio Lower Upper
112 100
64 51.5 41.4 62.2
63 27.0 23.8 35.8

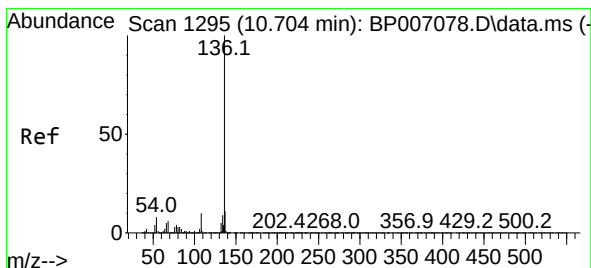
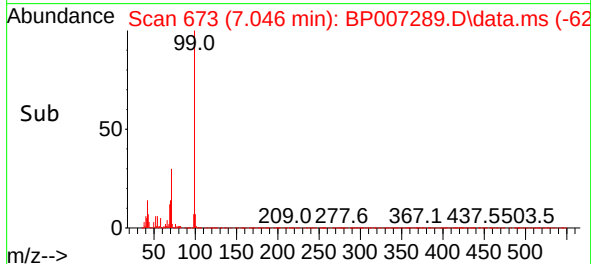
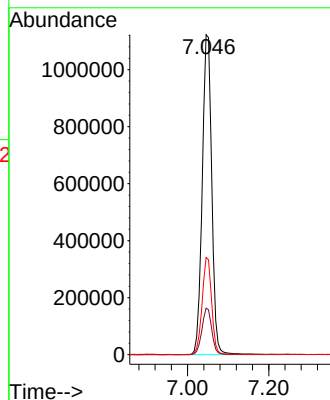
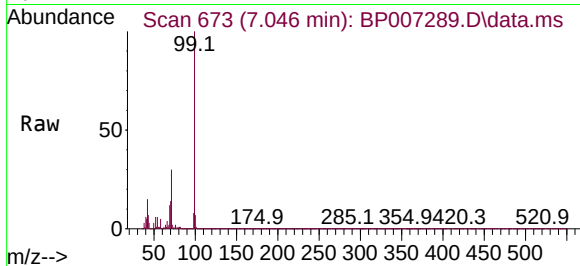




#7
Phenol-d6
Concen: 105.615 ng
RT: 7.046 min Scan# 673
Delta R.T. -0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

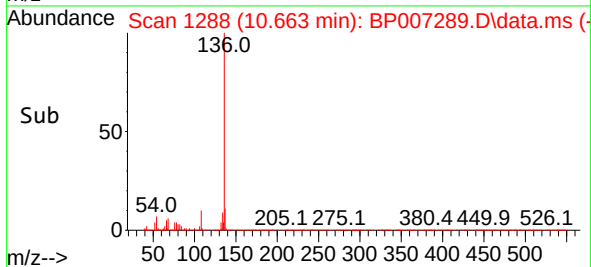
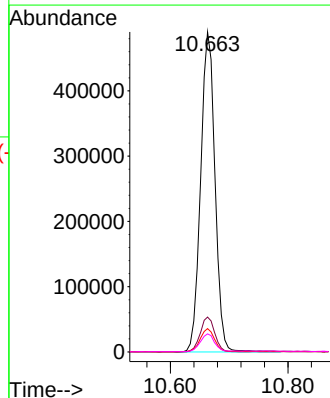
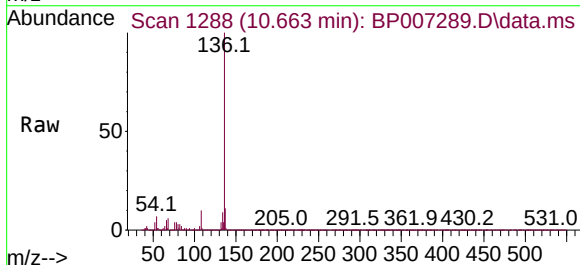
Instrument :
BNA_P
ClientSampleId :
229-342

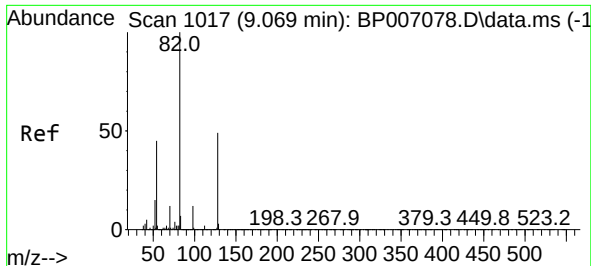
Tgt Ion: 99 Resp: 1837673
Ion Ratio Lower Upper
99 100
42 14.6 13.4 20.0
71 30.4 30.6 46.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion: 136 Resp: 832016
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.3 4.6 6.8#
68 5.6 3.6 5.4#

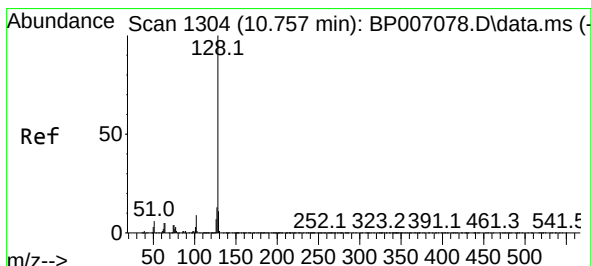
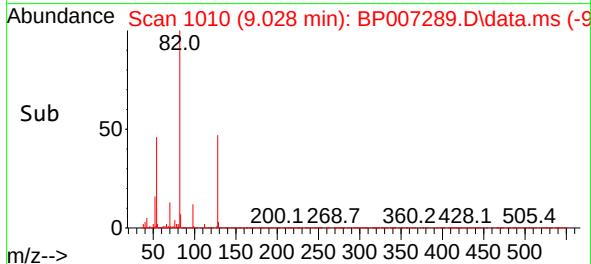
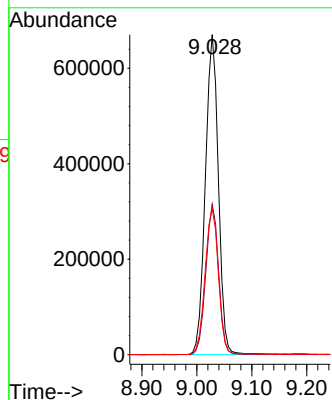
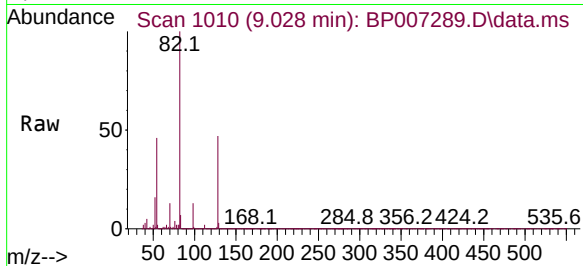




#23
Nitrobenzene-d5
Concen: 77.116 ng
RT: 9.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

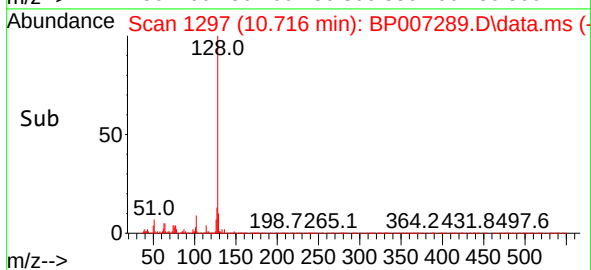
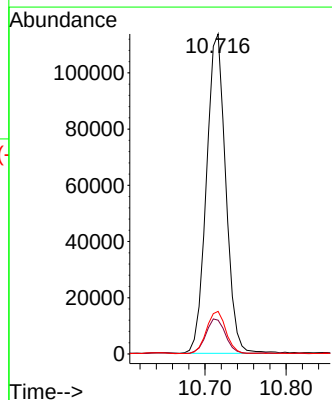
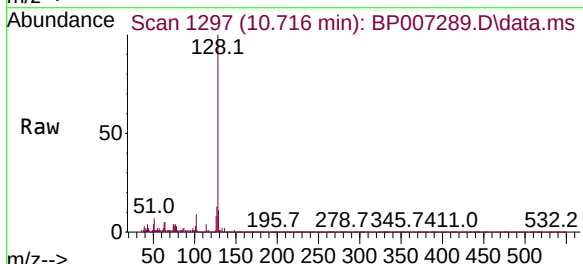
Instrument :
BNA_P
ClientSampleId :
229-342

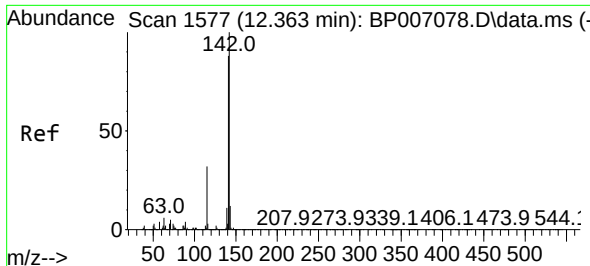
Tgt Ion: 82 Resp: 1101749
Ion Ratio Lower Upper
82 100
128 47.0 35.7 53.5
54 45.6 35.0 52.4



#31
Naphthalene
Concen: 4.411 ng
RT: 10.716 min Scan# 1297
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:128 Resp: 187297
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.6
127 13.3 10.7 16.1

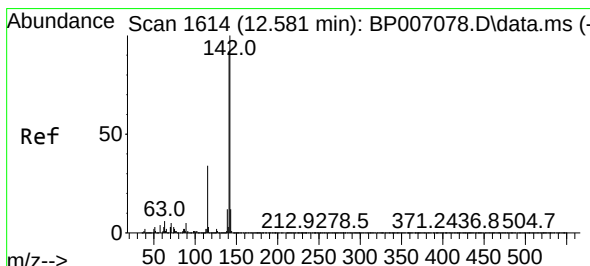
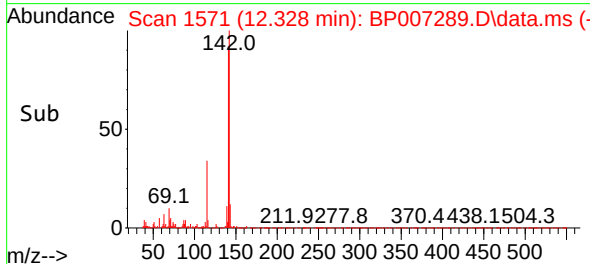
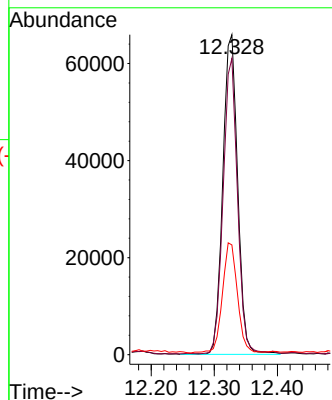
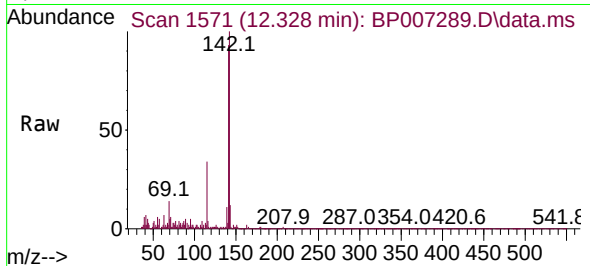




#37
2-Methylnaphthalene
Concen: 3.612 ng
RT: 12.328 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

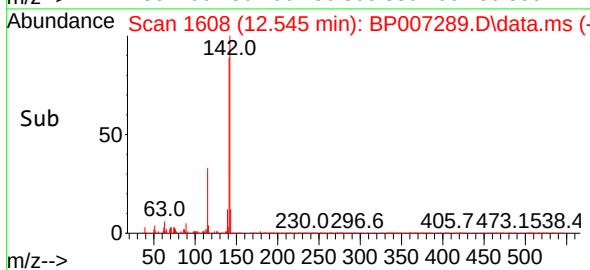
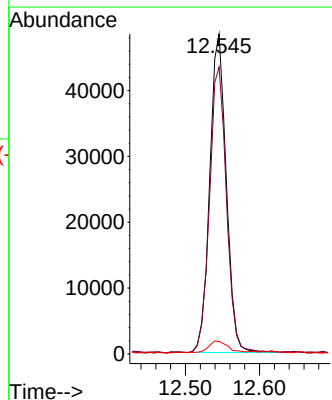
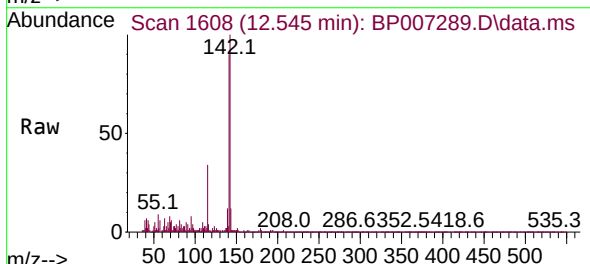
Instrument :
BNA_P
ClientSampleId :
229-342

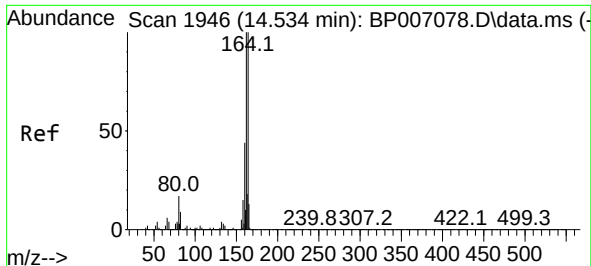
Tgt Ion:142 Resp: 107390
Ion Ratio Lower Upper
142 100
141 92.6 71.8 107.6
115 34.3 31.6 47.4



#38
1-Methylnaphthalene
Concen: 2.570 ng
RT: 12.545 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:142 Resp: 74669
Ion Ratio Lower Upper
142 100
141 89.6 73.3 109.9
116 3.9 3.5 5.3

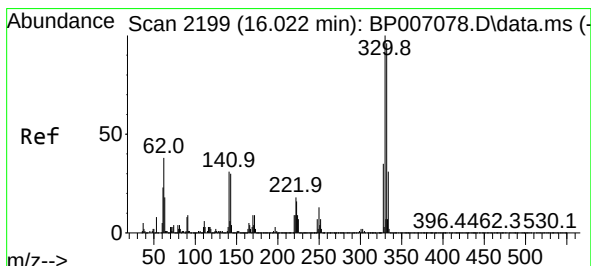
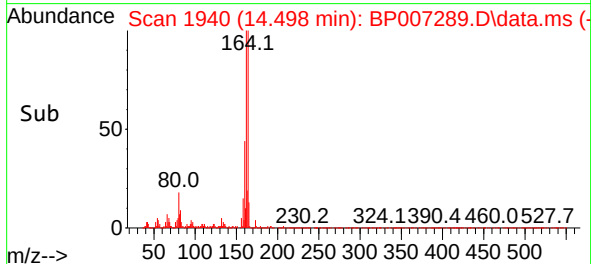
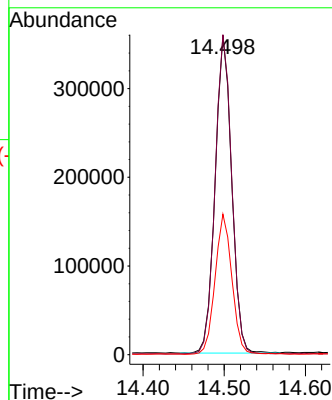
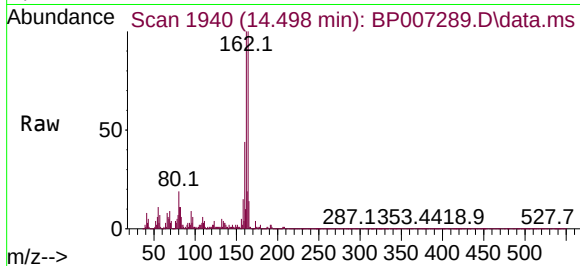




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

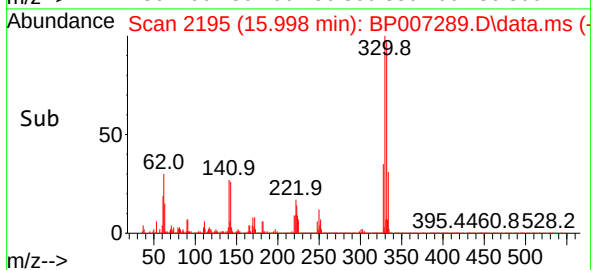
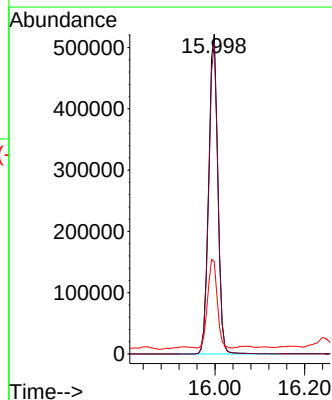
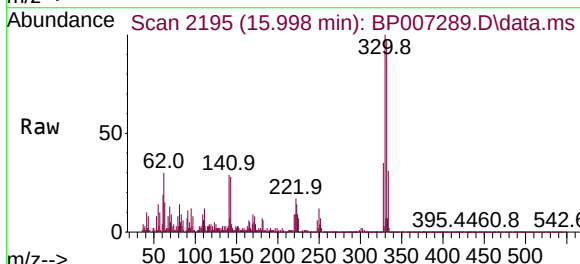
Instrument :
BNA_P
ClientSampleId :
229-342

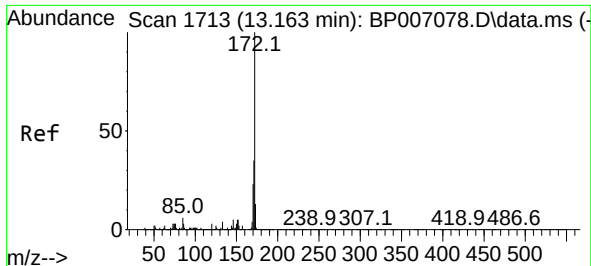
Tgt Ion:164 Resp: 507231
Ion Ratio Lower Upper
164 100
162 100.2 80.2 120.2
160 44.0 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 112.799 ng
RT: 15.998 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:330 Resp: 741766
Ion Ratio Lower Upper
330 100
332 96.3 77.8 116.8
141 28.7 25.4 38.2

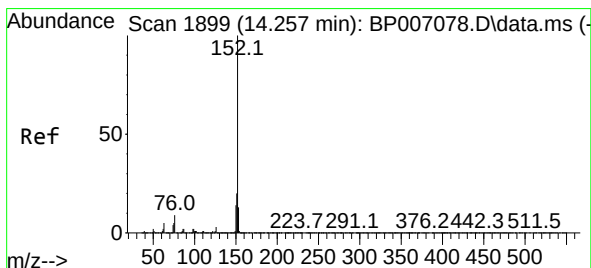
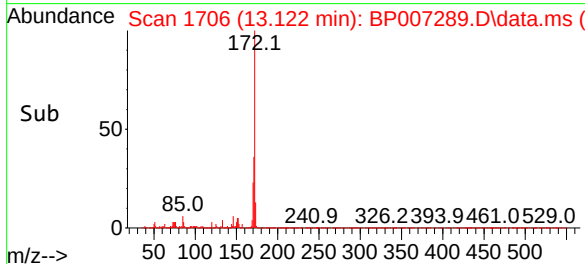
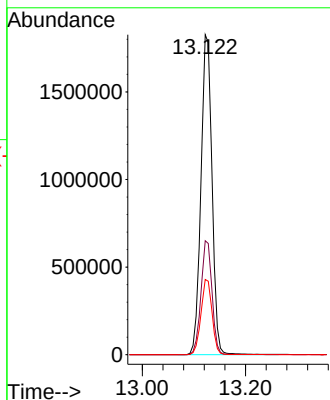
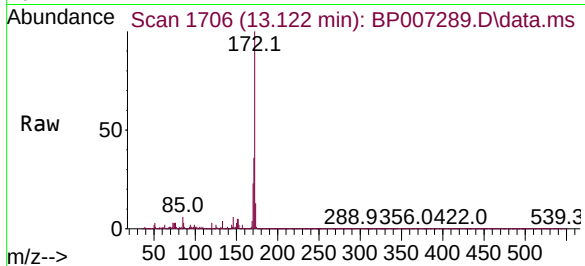




#45
2-Fluorobiphenyl
Concen: 76.803 ng
RT: 13.122 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

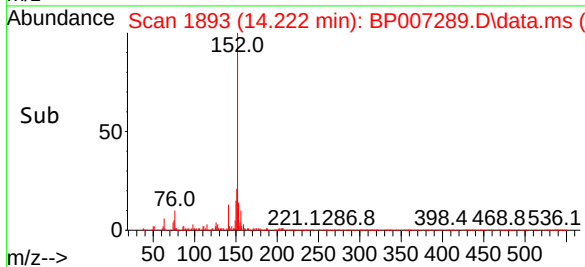
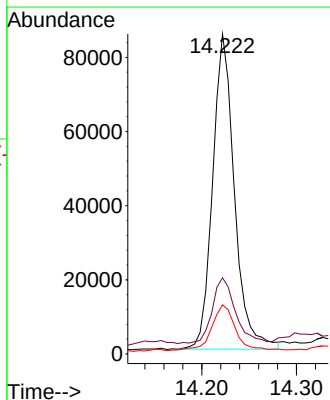
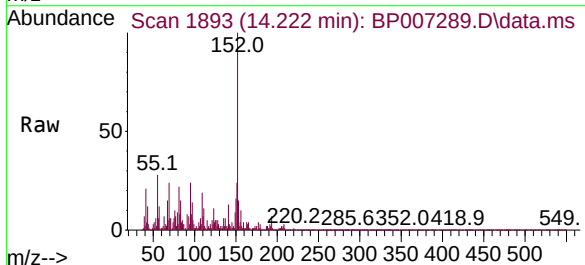
Instrument :
BNA_P
ClientSampleId :
229-342

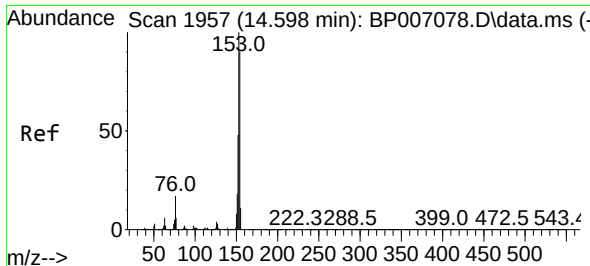
Tgt Ion:172 Resp: 2719268
Ion Ratio Lower Upper
172 100
171 35.6 27.9 41.9
170 23.5 18.6 27.8



#49
Acenaphthylene
Concen: 3.027 ng
RT: 14.222 min Scan# 1893
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:152 Resp: 136247
Ion Ratio Lower Upper
152 100
151 23.8 16.2 24.2
153 15.3 10.6 16.0

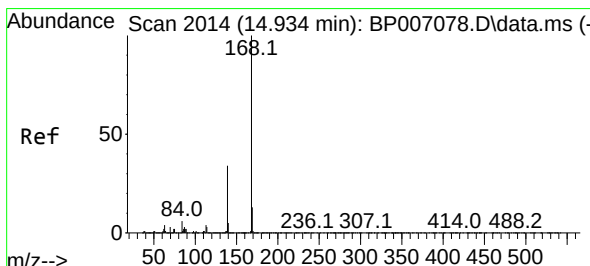
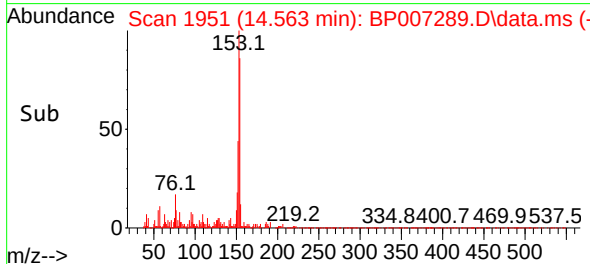
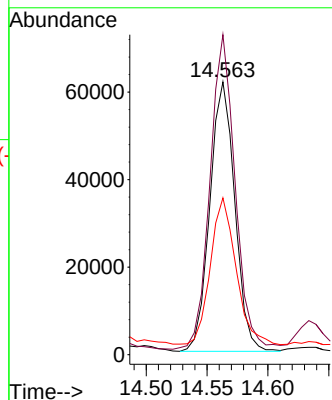
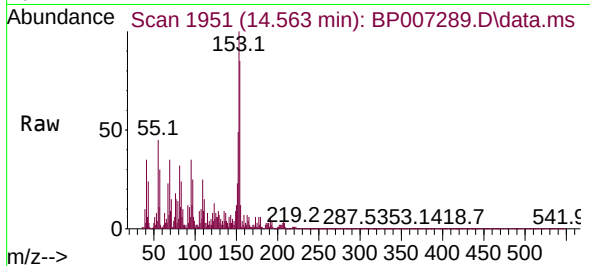




#52
Acenaphthene
Concen: 3.221 ng
RT: 14.563 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

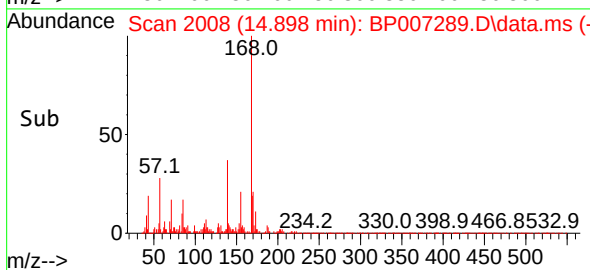
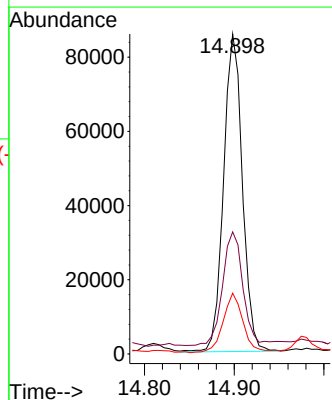
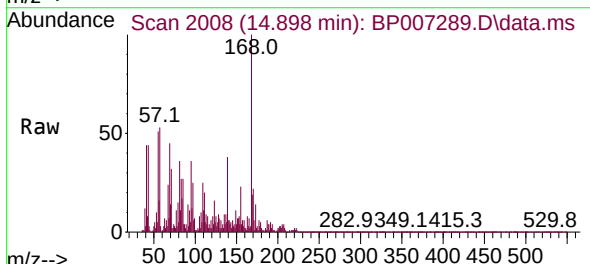
Instrument :
BNA_P
ClientSampleId :
229-342

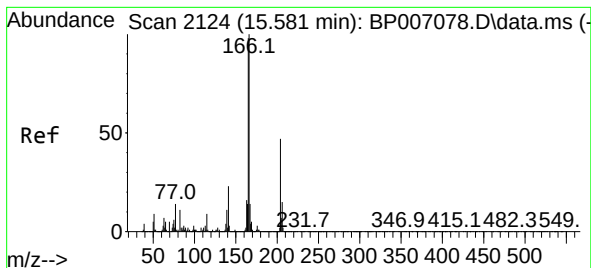
Tgt Ion:	154	Resp:	87858
Ion Ratio	Lower	Upper	
154	100		
153	117.3	89.4	134.2
152	57.5	43.0	64.4



#55
Dibenzofuran
Concen: 2.734 ng
RT: 14.898 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:	168	Resp:	124402
Ion Ratio	Lower	Upper	
168	100		
139	38.2	31.0	46.6
169	19.0	10.8	16.2#

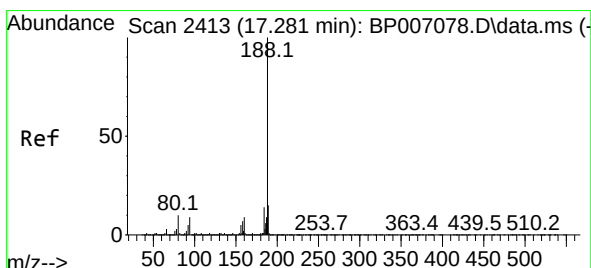
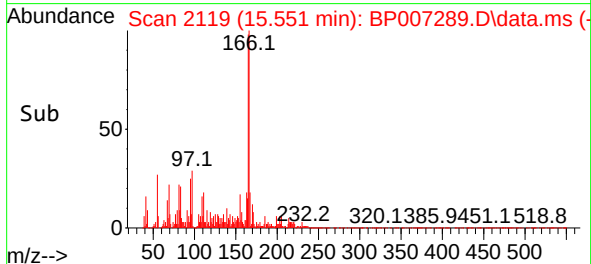
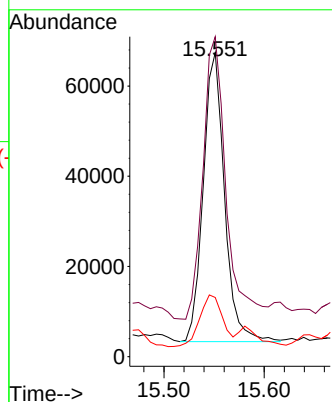
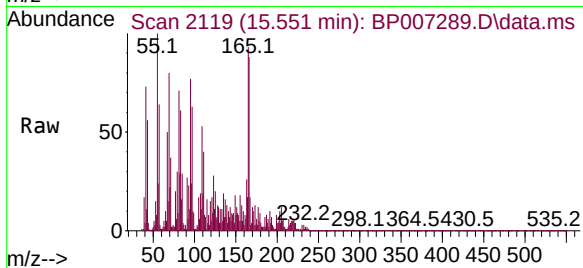




#58
Fluorene
Concen: 2.691 ng
RT: 15.551 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

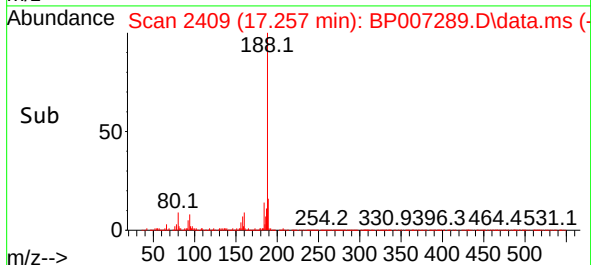
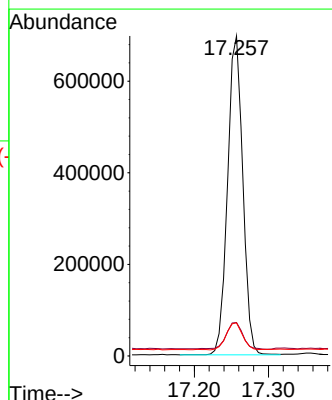
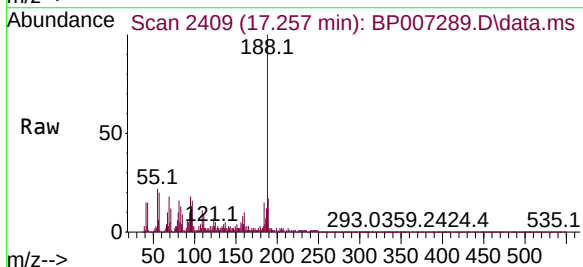
Instrument :
BNA_P
ClientSampleId :
229-342

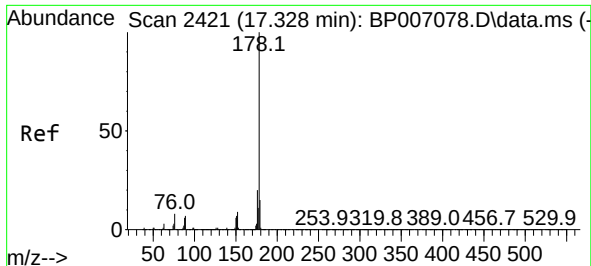
Tgt Ion:166 Resp: 94604
Ion Ratio Lower Upper
166 100
165 105.2 78.0 117.0
167 19.5 10.5 15.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:188 Resp: 991183
Ion Ratio Lower Upper
188 100
94 10.4 5.6 8.4#
80 10.3 6.3 9.5#

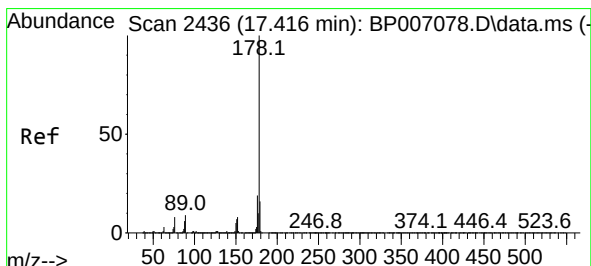
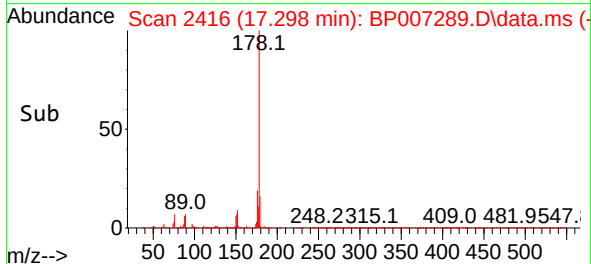
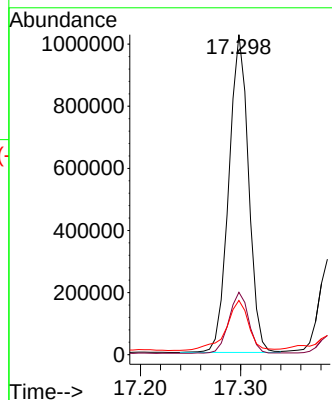
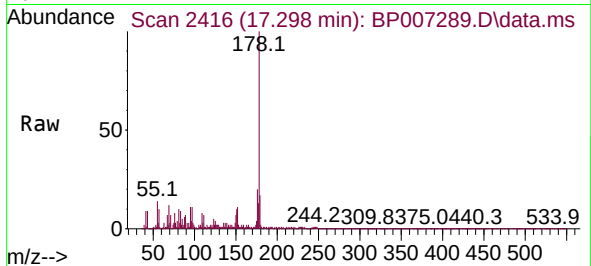




#71
Phenanthrene
Concen: 26.381 ng
RT: 17.298 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

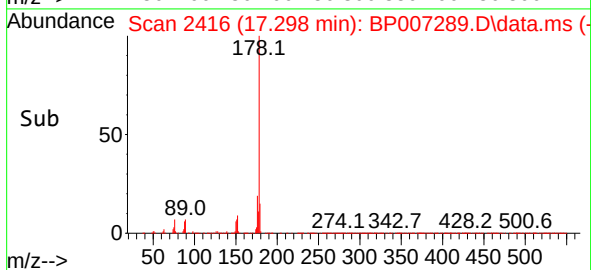
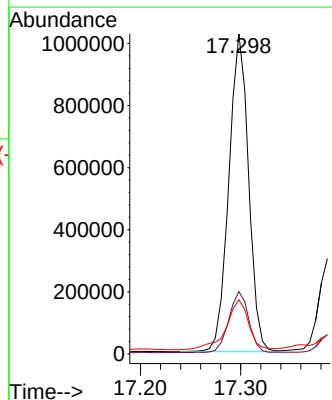
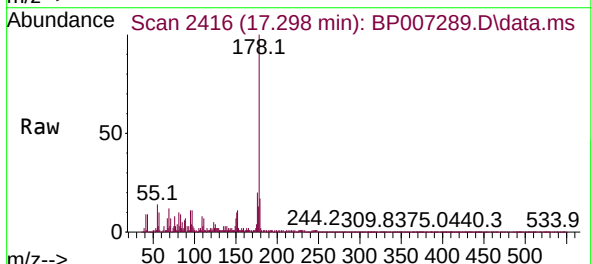
Instrument :
BNA_P
ClientSampleId :
229-342

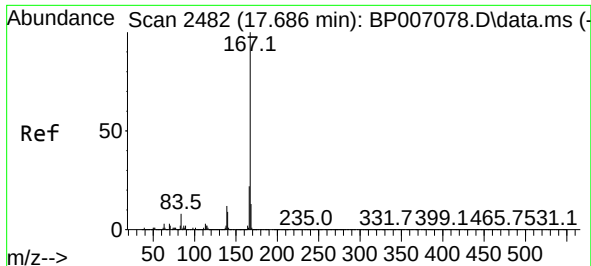
Tgt Ion:178 Resp: 1402058
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 16.9 12.4 18.6



#72
Anthracene
Concen: 26.968 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.088 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:178 Resp: 1402058
Ion Ratio Lower Upper
178 100
176 19.5 14.9 22.3
179 16.9 12.2 18.2

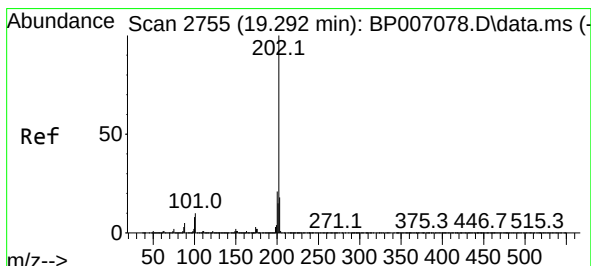
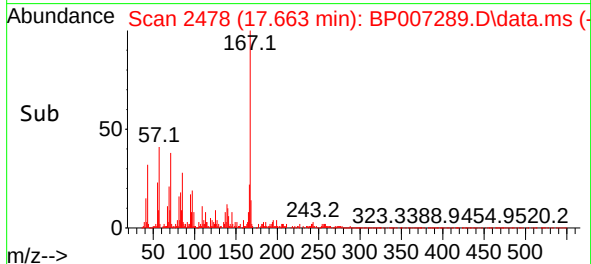
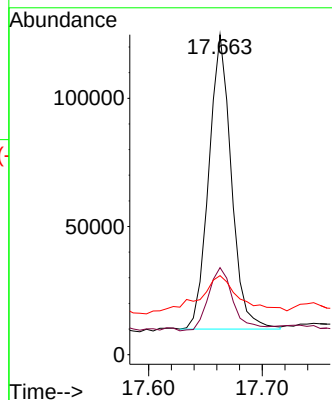
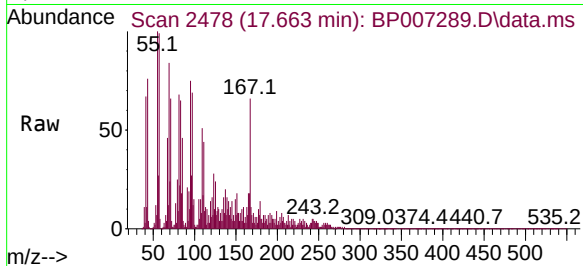




#73
 Carbazole
 Concen: 3.106 ng
 RT: 17.663 min Scan# 2478
 Delta R.T. 0.000 min
 Lab File: BP007289.D
 Acq: 01 Oct 2021 14:12

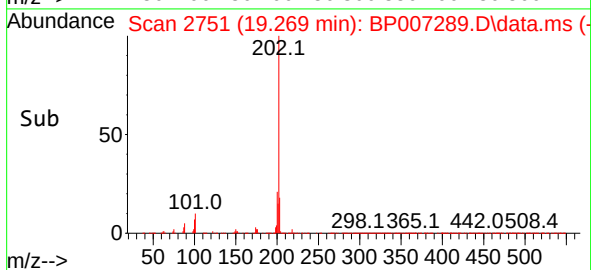
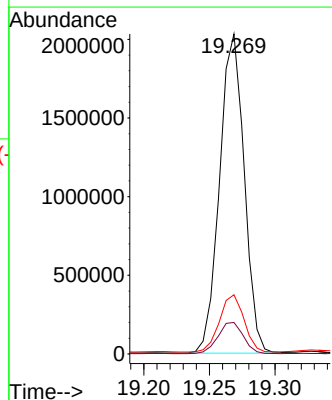
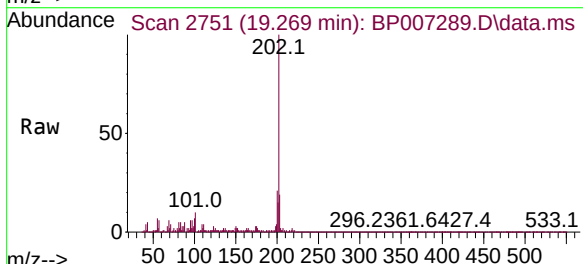
Instrument :
 BNA_P
 ClientSampleId :
 229-342

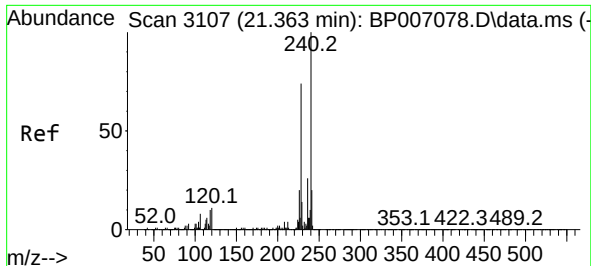
Tgt Ion:167 Resp: 158230
 Ion Ratio Lower Upper
 167 100
 166 27.2 17.1 25.7#
 139 24.7 10.7 16.1#



#75
 Fluoranthene
 Concen: 43.255 ng
 RT: 19.269 min Scan# 2751
 Delta R.T. 0.006 min
 Lab File: BP007289.D
 Acq: 01 Oct 2021 14:12

Tgt Ion:202 Resp: 2648557
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 27.6
 203 18.5 0.0 37.8

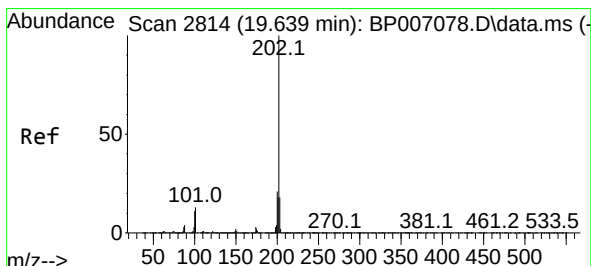
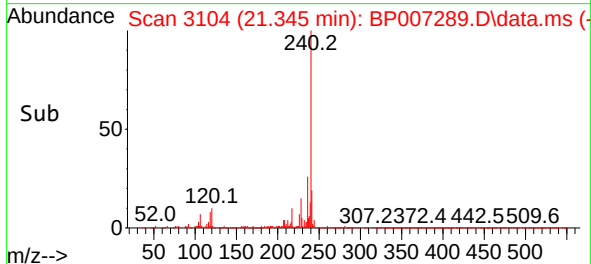
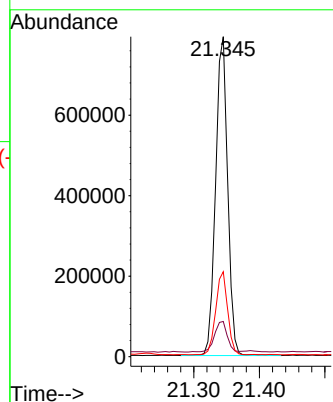
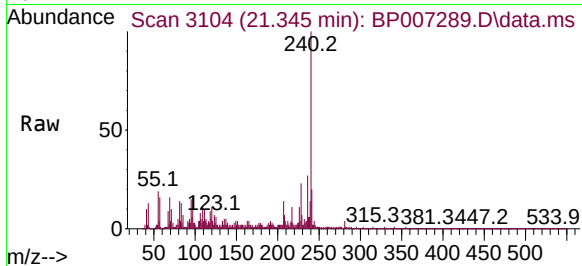




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

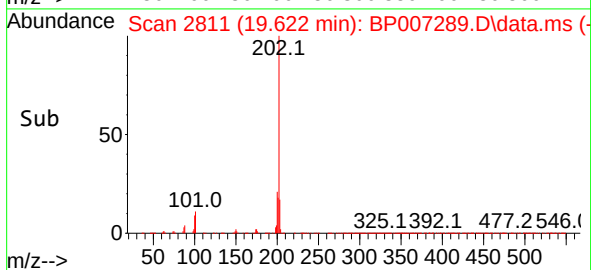
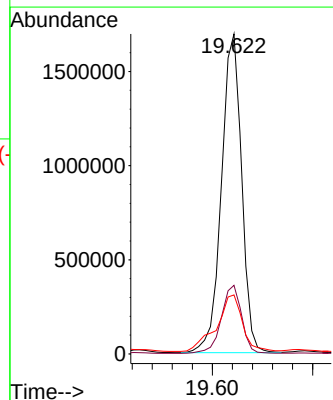
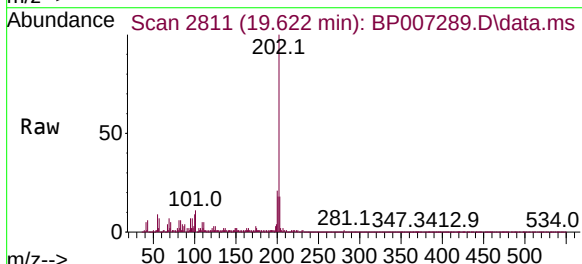
Instrument :
BNA_P
ClientSampleId :
229-342

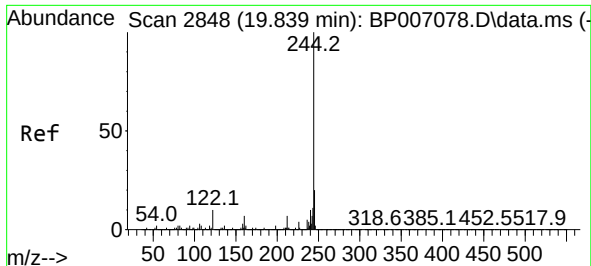
Tgt Ion:240 Resp: 1010020
Ion Ratio Lower Upper
240 100
120 11.0 6.5 9.7#
236 26.5 20.6 31.0



#78
Pyrene
Concen: 35.571 ng
RT: 19.622 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:202 Resp: 2357163
Ion Ratio Lower Upper
202 100
200 21.4 16.3 24.5
203 18.4 14.2 21.2



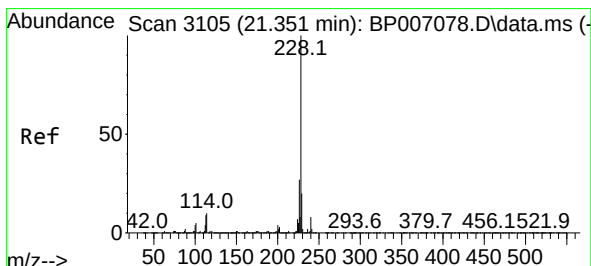
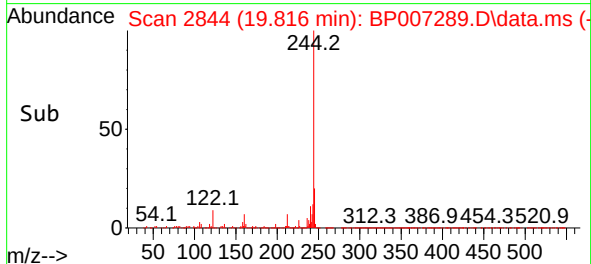
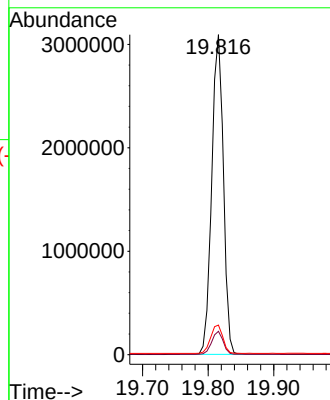
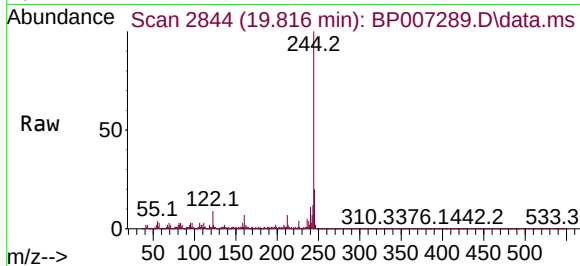


#79
 Terphenyl-d14
 Concen: 72.361 ng
 RT: 19.816 min Scan# 2844
 Delta R.T. 0.006 min
 Lab File: BP007289.D
 Acq: 01 Oct 2021 14:12

Instrument :
 BNA_P
 ClientSampleId :
 229-342

Tgt Ion:244 Resp: 3813988

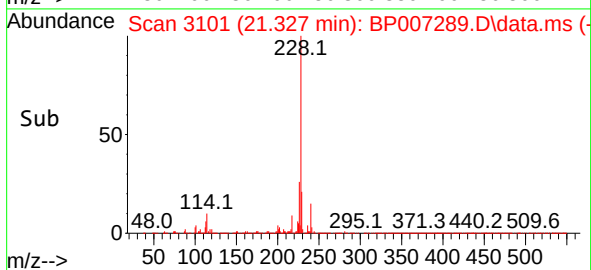
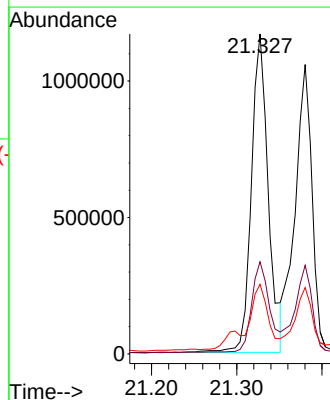
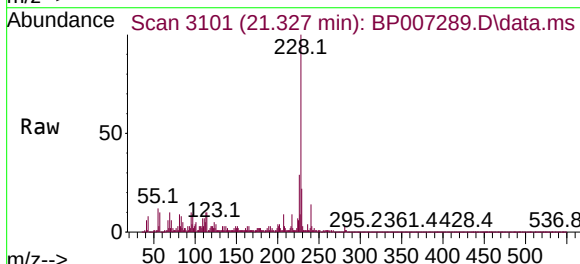
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	9.3	7.1	10.7

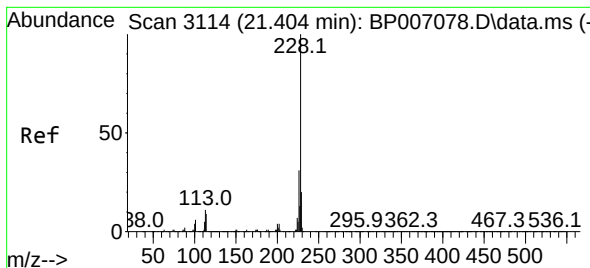


#81
 Benzo(a)anthracene
 Concen: 24.424 ng
 RT: 21.327 min Scan# 3101
 Delta R.T. 0.000 min
 Lab File: BP007289.D
 Acq: 01 Oct 2021 14:12

Tgt Ion:228 Resp: 1601223

Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.6	32.4
229	21.7	15.8	23.6





#83

Chrysene

Concen: 23.390 ng

RT: 21.380 min Scan# 3110

Delta R.T. 0.000 min

Lab File: BP007289.D

Acq: 01 Oct 2021 14:12

Instrument :

BNA_P

ClientSampleId :

229-342

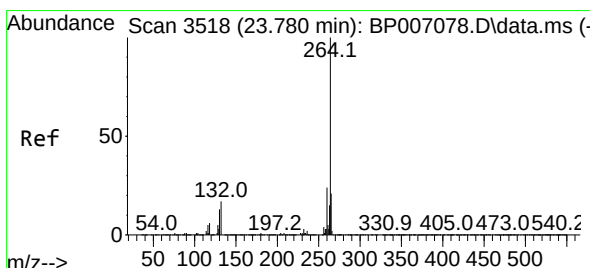
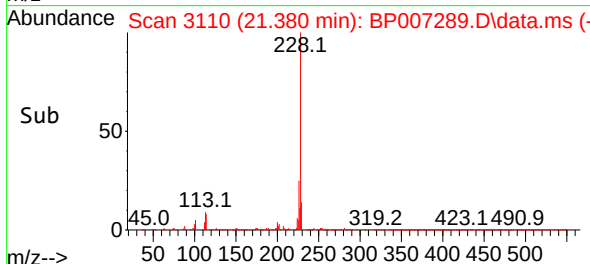
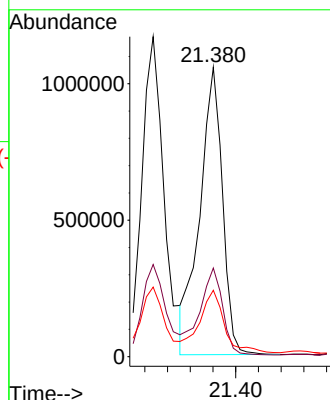
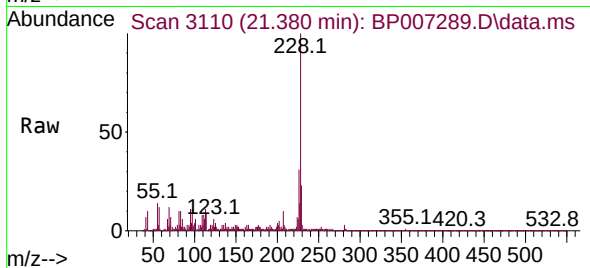
Tgt Ion:228 Resp: 1465561

Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.6

229 23.0 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.757 min Scan# 3514

Delta R.T. 0.012 min

Lab File: BP007289.D

Acq: 01 Oct 2021 14:12

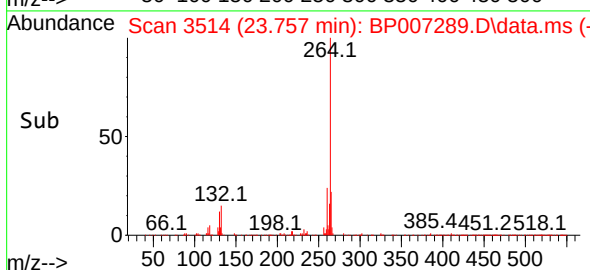
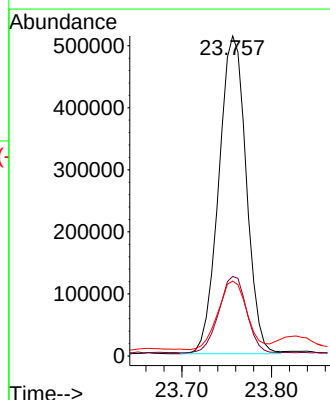
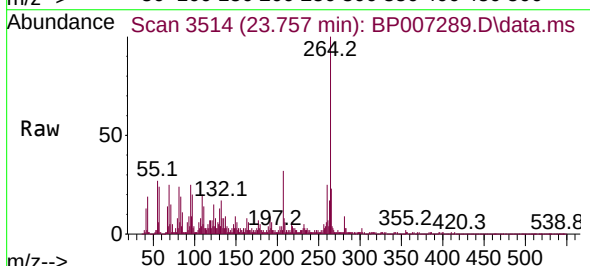
Tgt Ion:264 Resp: 1086664

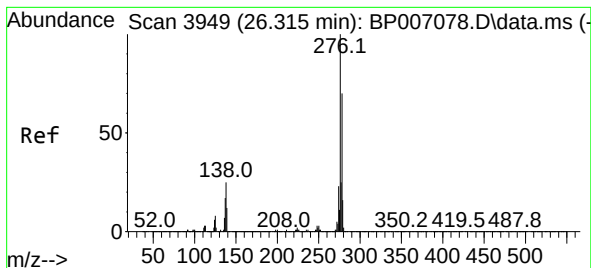
Ion Ratio Lower Upper

264 100

260 24.9 18.6 28.0

265 23.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.815 ng

RT: 26.280 min Scan# 3943

Delta R.T. 0.012 min

Lab File: BP007289.D

Acq: 01 Oct 2021 14:12

Instrument :

BNA_P

ClientSampleId :

229-342

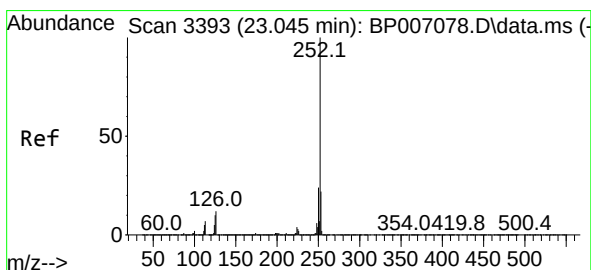
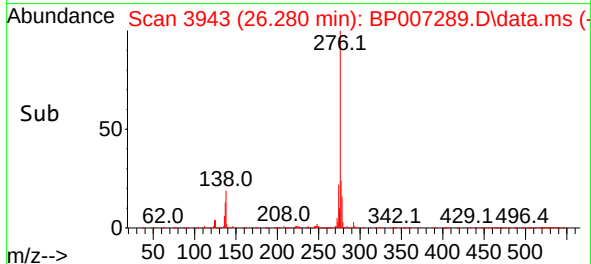
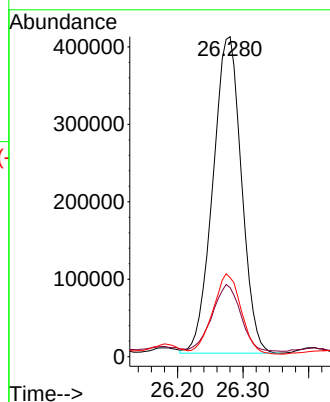
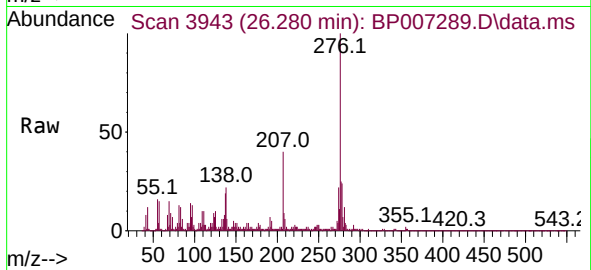
Tgt Ion:276 Resp: 1235020

Ion Ratio Lower Upper

276 100

138 21.2 15.3 22.9

277 25.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 35.887 ng

RT: 23.021 min Scan# 3389

Delta R.T. 0.012 min

Lab File: BP007289.D

Acq: 01 Oct 2021 14:12

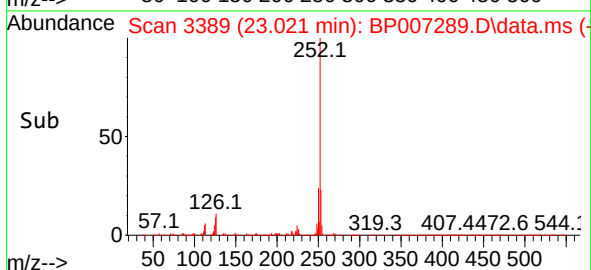
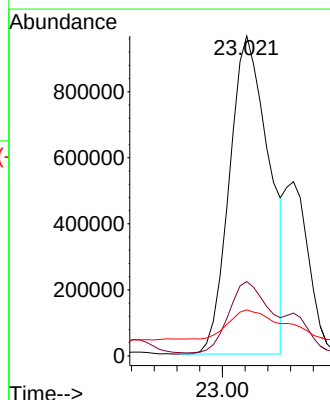
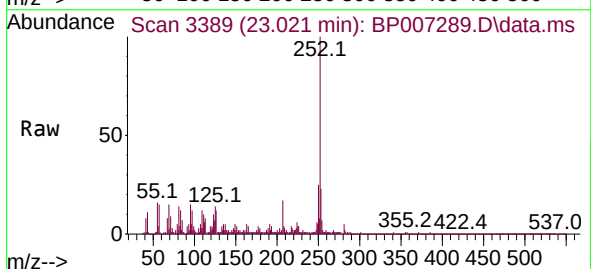
Tgt Ion:252 Resp: 2330558

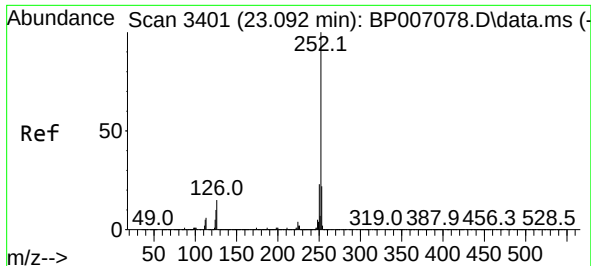
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 14.4 6.2 9.4#

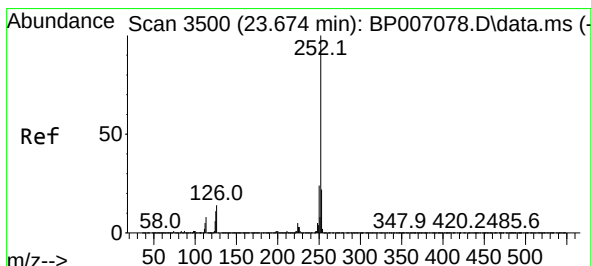
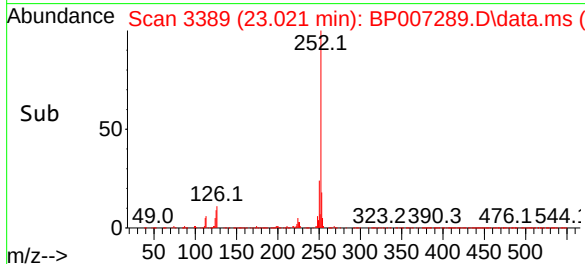
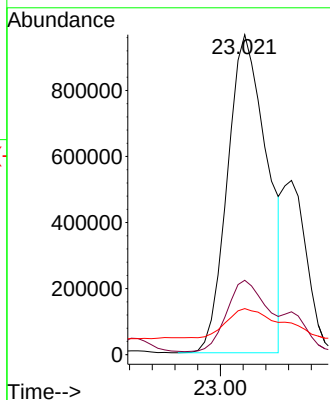
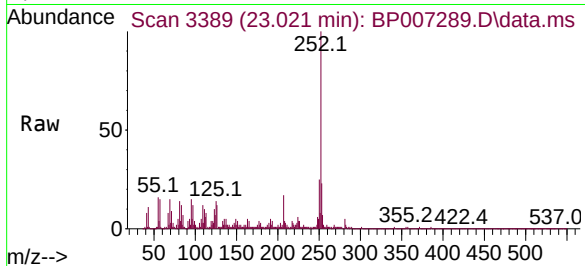




#89
Benzo(k)fluoranthene
Concen: 35.445 ng
RT: 23.021 min Scan# 3389
Delta R.T. -0.035 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

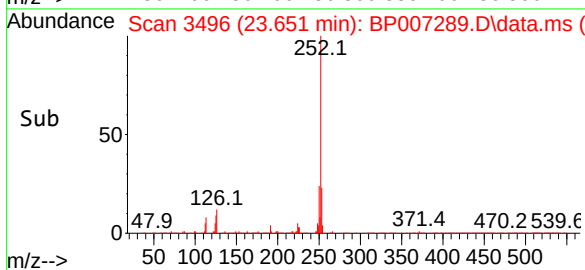
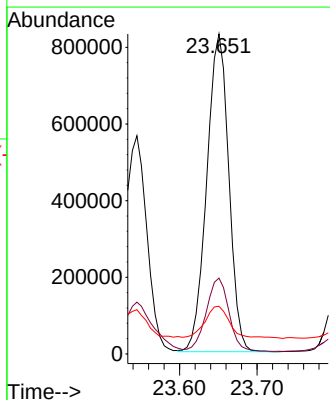
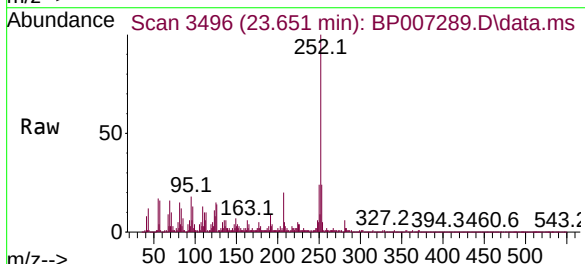
Instrument :
BNA_P
ClientSampleId :
229-342

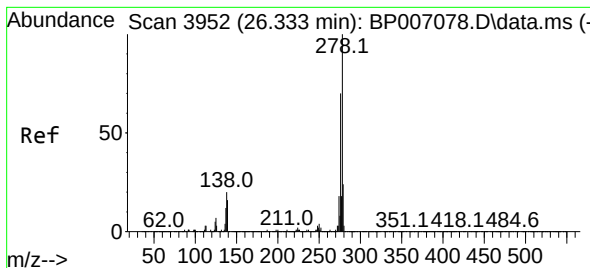
Tgt Ion:252 Resp: 2330558
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 14.4 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 29.723 ng
RT: 23.651 min Scan# 3496
Delta R.T. 0.012 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:252 Resp: 1639888
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 14.9 6.5 9.7#





#91

Dibenzo(a,h)anthracene

Concen: 5.128 ng

RT: 26.280 min Scan# 3943

Delta R.T. 0.000 min

Lab File: BP007289.D

Acq: 01 Oct 2021 14:12

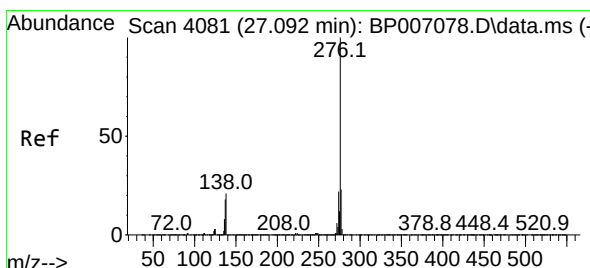
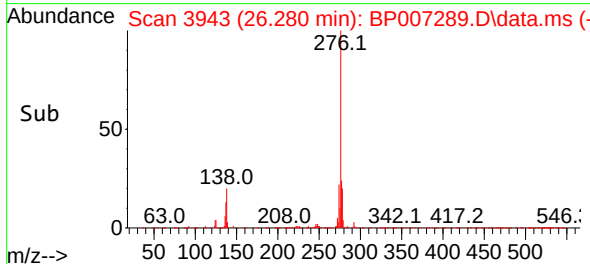
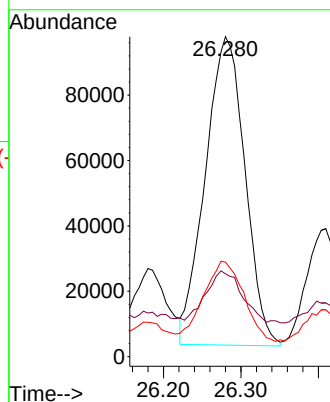
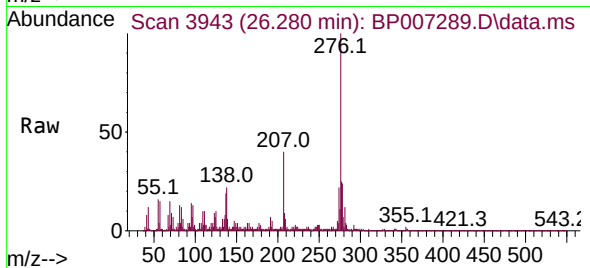
Instrument :

BNA_P

ClientSampleId :

229-342

Tgt Ion:	278	Resp:	335619
Ion Ratio	Lower	Upper	
278	100		
139	25.9	9.3	13.9#
279	29.6	18.8	28.2#



#92

Benzo(g,h,i)perylene

Concen: 19.005 ng

RT: 27.056 min Scan# 4075

Delta R.T. 0.012 min

Lab File: BP007289.D

Acq: 01 Oct 2021 14:12

Tgt Ion:	276	Resp:	1213792
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.9	28.3
138	22.3	12.6	18.8#

