

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092021\
 Data File : BP007071.D
 Acq On : 21 Sep 2021 03:04
 Operator : CG/JU
 Sample : M2687-23DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A010015DL

Quant Time: Sep 21 03:32:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 17 10:50:16 2021
 Response via : Initial Calibration

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

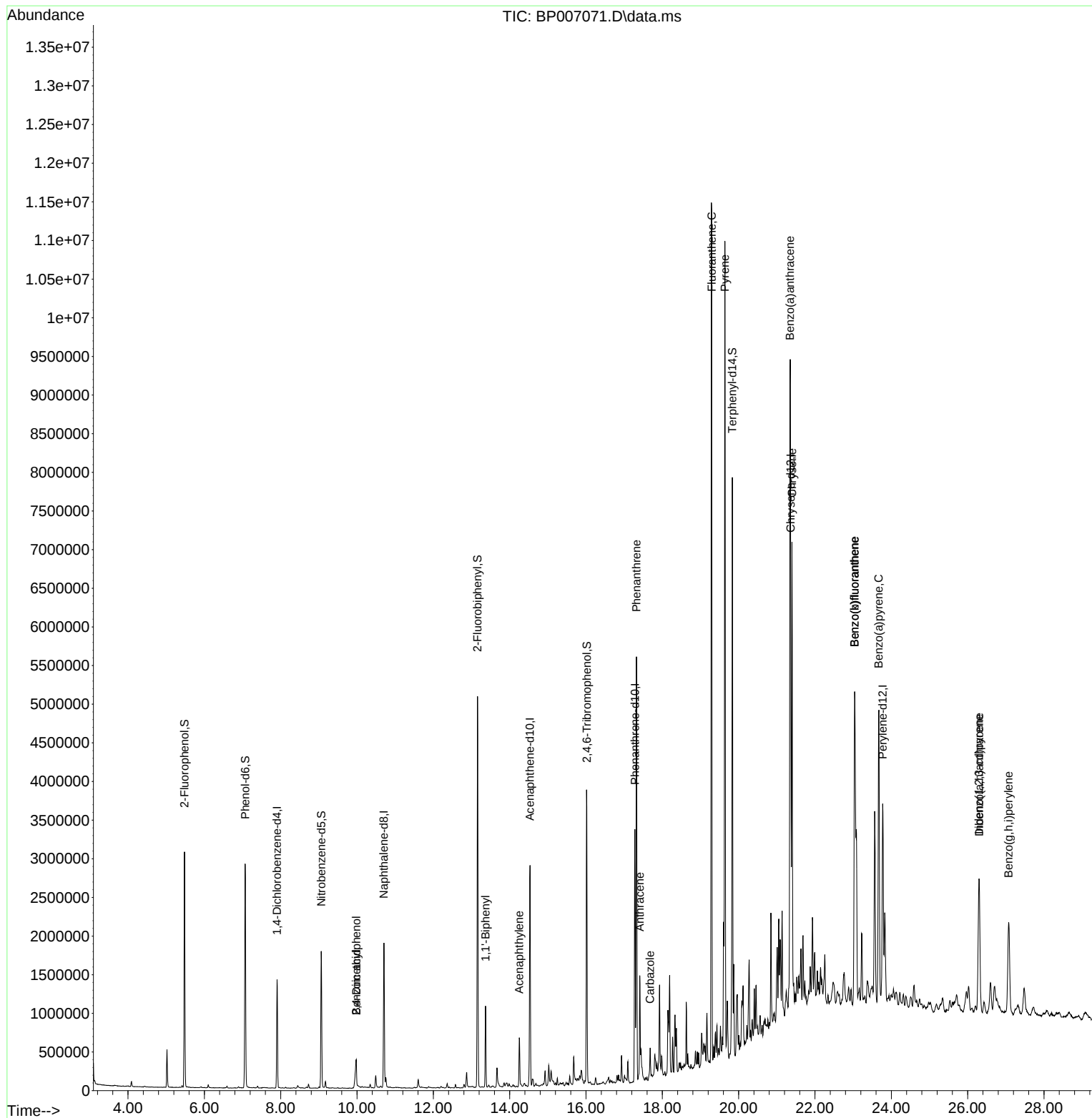
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	405476	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	1611188	20.000	ng	# 0.00
39) Acenaphthene-d10	14.534	164	1004453	20.000	ng	0.00
64) Phenanthrene-d10	17.281	188	1984264	20.000	ng	# 0.00
76) Chrysene-d12	21.363	240	1832739	20.000	ng	# 0.00
86) Perylene-d12	23.774	264	1970309	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1416864	57.060	ng	0.00
7) Phenol-d6	7.069	99	1813574	53.510	ng	0.00
23) Nitrobenzene-d5	9.063	82	1042231	36.331	ng	0.00
42) 2,4,6-Tribromophenol	16.022	330	729297	60.374	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	2633559	36.195	ng	-0.01
79) Terphenyl-d14	19.833	244	3476572	36.395	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.052	77	19627	Below Cal		95
27) 2,4-Dimethylphenol	9.981	122	224025	9.812 ng	#	3
32) Benzoic acid	9.981	122	224025	17.601 ng		90
46) 1,1'-Biphenyl	13.369	154	550706	7.029 ng		98
49) Acenaphthylene	14.251	152	500383	5.349 ng		99
71) Phenanthrene	17.322	178	3386357	29.418 ng		99
72) Anthracene	17.410	178	846772	7.688 ng		99
73) Carbazole	17.681	167	268076	2.495 ng		98
75) Fluoranthene	19.292	202	6908475	52.105 ng		97
78) Pyrene	19.639	202	6021019	47.409 ng		97
81) Benzo(a)anthracene	21.345	228	3777471	30.332 ng		97
83) Chrysene	21.398	228	3246571	26.567 ng		96
87) Indeno(1,2,3-cd)pyrene	26.298	276	1818544	12.162 ng		97
88) Benzo(b)fluoranthene	23.039	252	4025109	30.077 ng	#	96
89) Benzo(k)fluoranthene	23.039	252	4025109	30.901 ng	#	96
90) Benzo(a)pyrene	23.668	252	2889549	24.077 ng	#	96
91) Dibenzo(a,h)anthracene	26.304	278	490849	3.795 ng	#	86
92) Benzo(g,h,i)perylene	27.074	276	1618491	12.969 ng	#	94

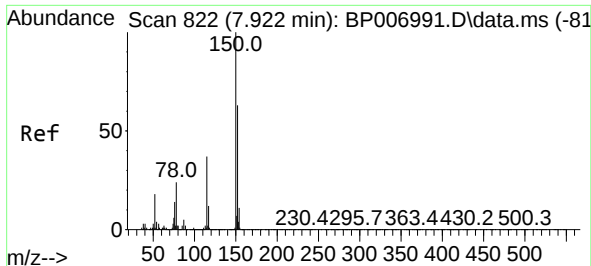
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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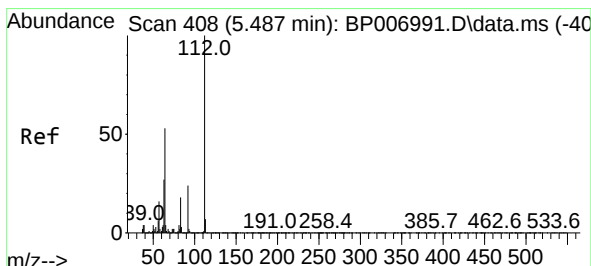
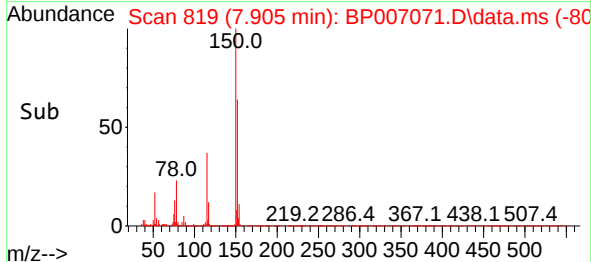
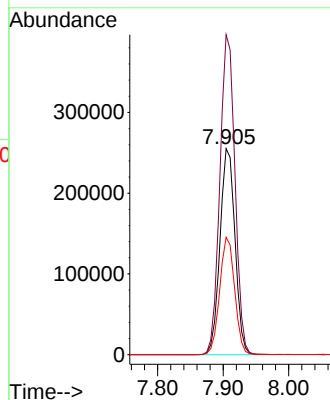
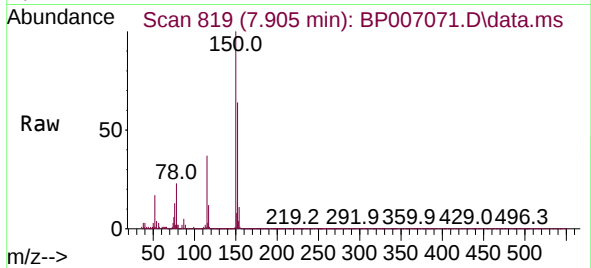




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 819
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

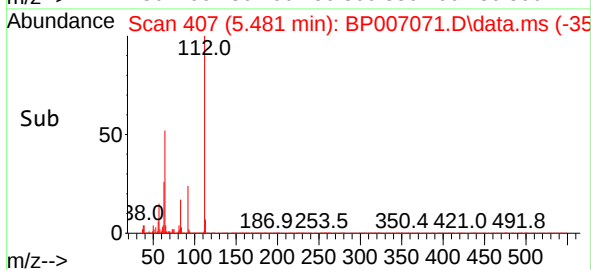
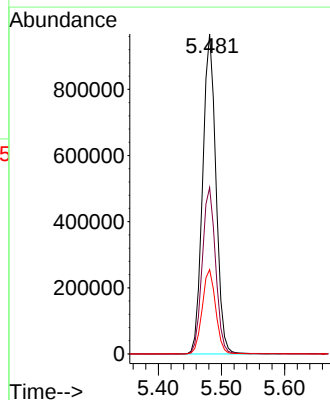
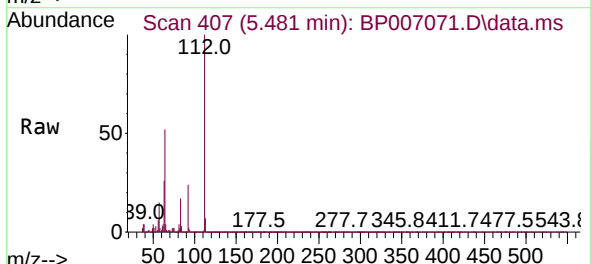
Instrument :
BNA_P
ClientSampleId :
A010015DL

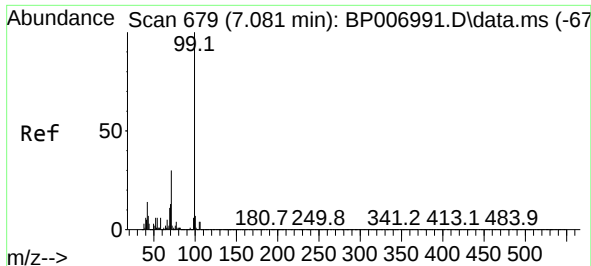
Tgt Ion:152 Resp: 405476
Ion Ratio Lower Upper
152 100
150 155.3 125.6 188.4
115 56.9 48.5 72.7



#5
2-Fluorophenol
Concen: 57.060 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Tgt Ion:112 Resp: 1416864
Ion Ratio Lower Upper
112 100
64 52.0 41.4 62.2
63 26.3 23.8 35.8

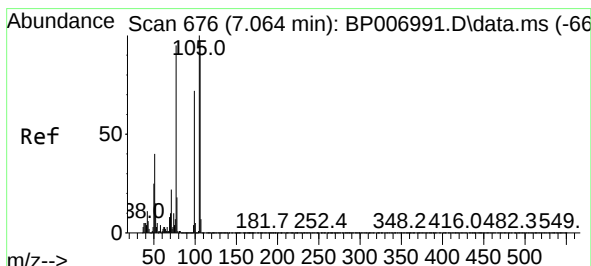
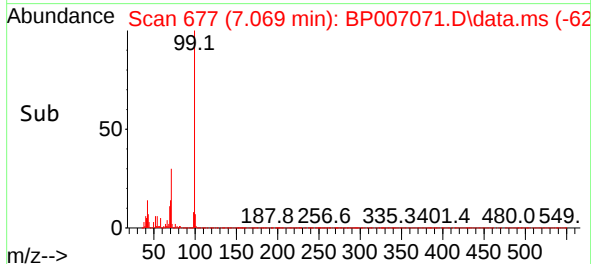
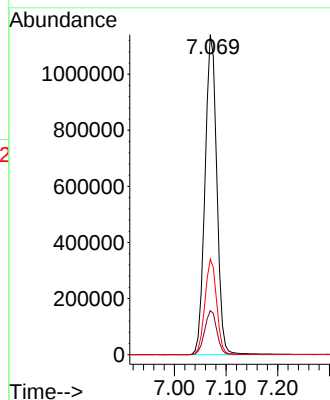
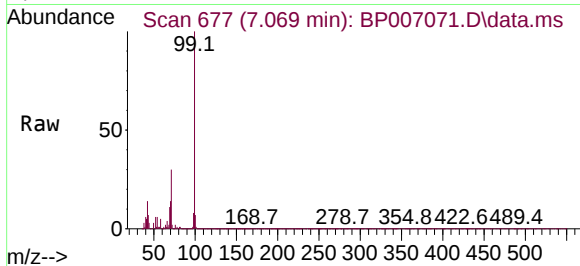




#7
Phenol-d6
Concen: 53.510 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.000 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

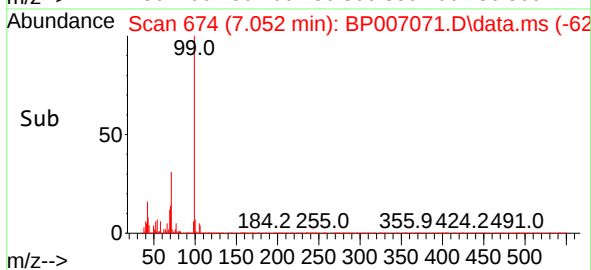
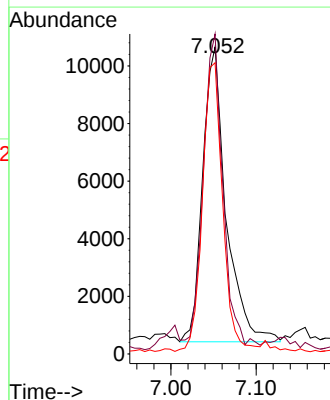
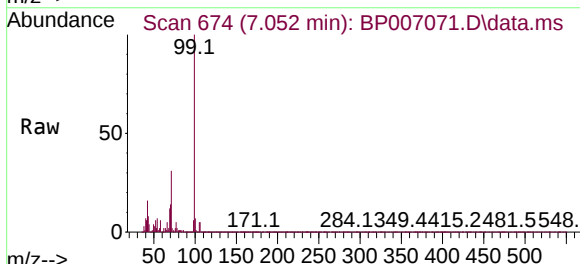
Instrument :
BNA_P
ClientSampleId :
A010015DL

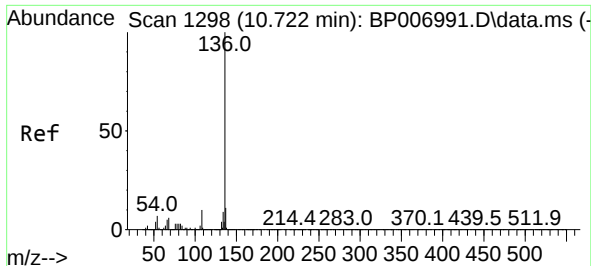
Tgt Ion: 99 Resp: 1813574
Ion Ratio Lower Upper
99 100
42 13.8 13.4 20.0
71 29.8 30.6 46.0#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.052 min Scan# 674
Delta R.T. 0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Tgt Ion: 77 Resp: 19627
Ion Ratio Lower Upper
77 100
105 104.2 76.7 116.7
106 94.9 76.2 116.2



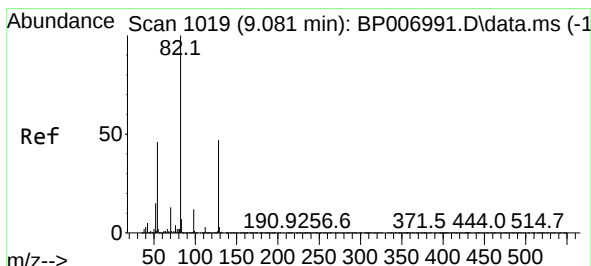
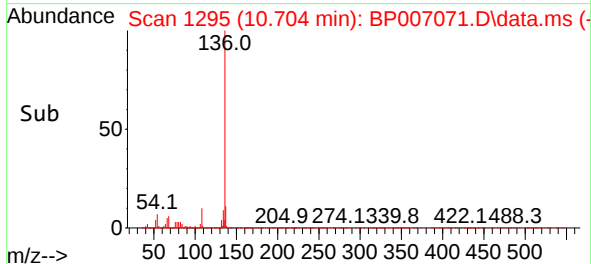
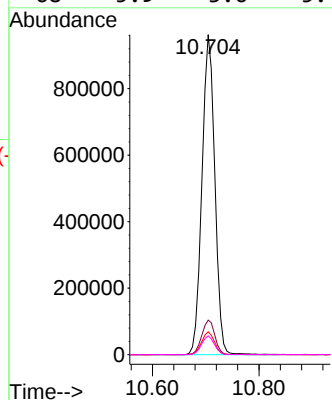
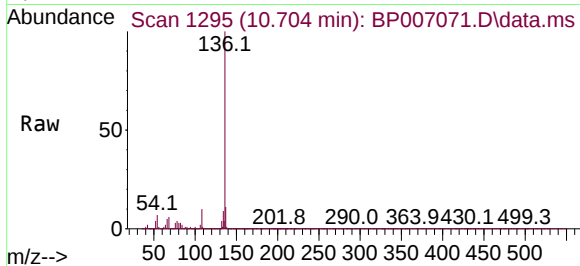


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Instrument :
BNA_P
ClientSampleId :
A010015DL

Tgt Ion:136 Resp: 1611188

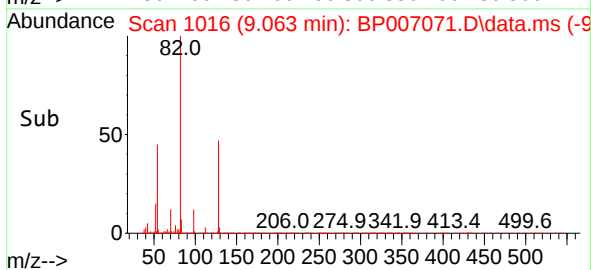
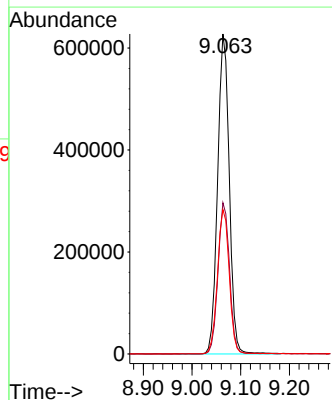
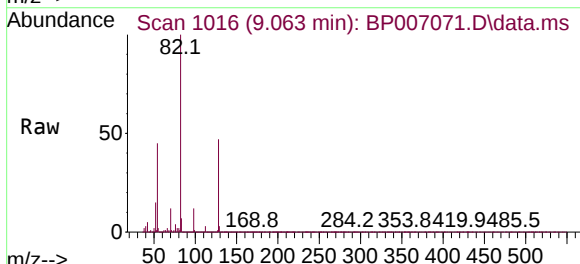
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	7.2	4.6	6.8#
68	5.9	3.6	5.4#

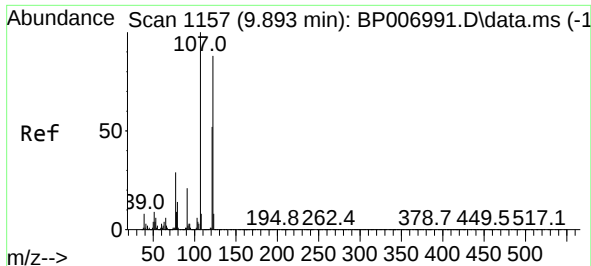


#23
Nitrobenzene-d5
Concen: 36.331 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Tgt Ion: 82 Resp: 1042231

Ion	Ratio	Lower	Upper
82	100		
128	47.2	35.7	53.5
54	45.1	35.0	52.4

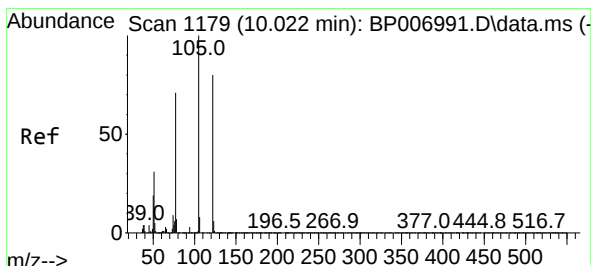
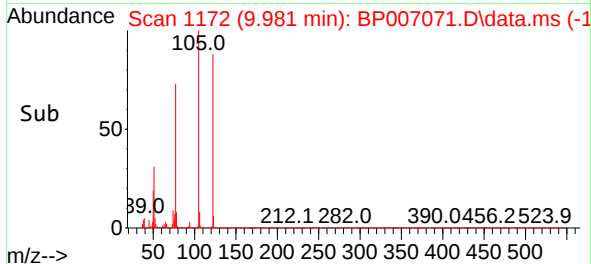
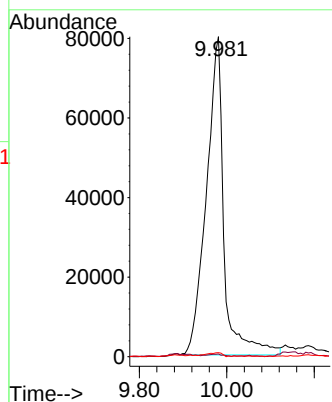
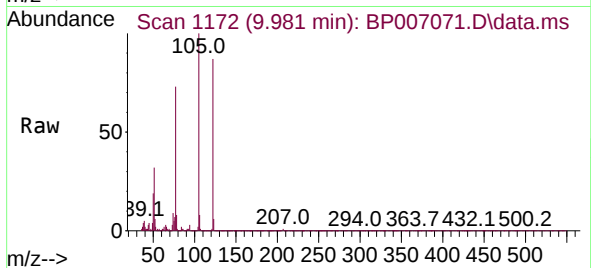




#27
2,4-Dimethylphenol
Concen: 9.812 ng
RT: 9.981 min Scan# 1172
Delta R.T. 0.100 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

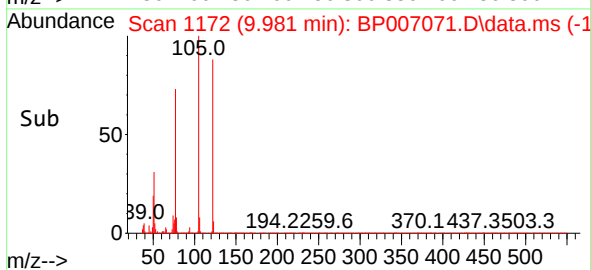
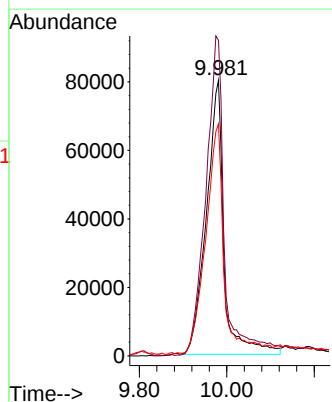
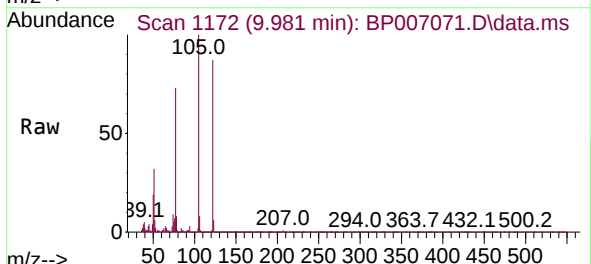
Instrument :
BNA_P
ClientSampleId :
A010015DL

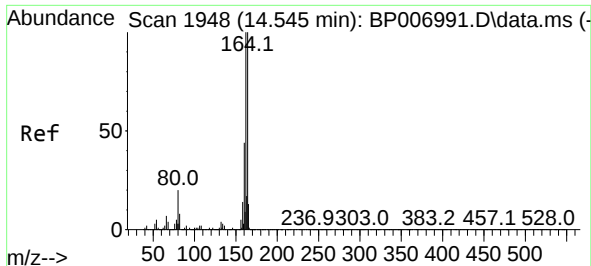
Tgt Ion:122 Resp: 224025
Ion Ratio Lower Upper
122 100
107 0.8 94.5 141.7#
121 1.3 47.4 71.2#



#32
Benzoic acid
Concen: 17.601 ng
RT: 9.981 min Scan# 1172
Delta R.T. -0.029 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Tgt Ion:122 Resp: 224025
Ion Ratio Lower Upper
122 100
105 114.5 103.2 143.2
77 84.2 76.2 116.2

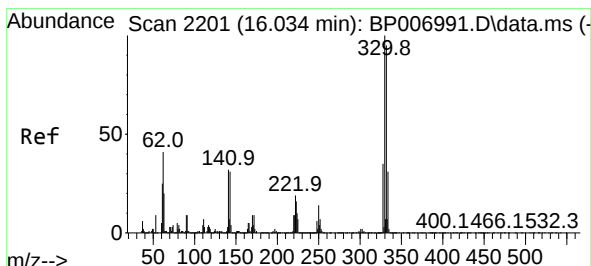
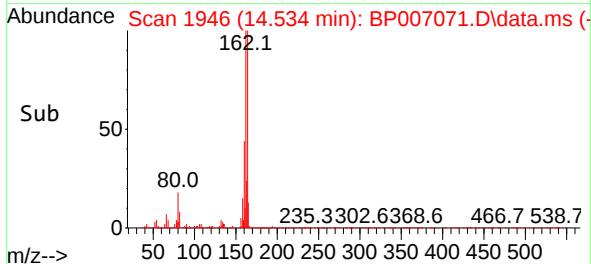
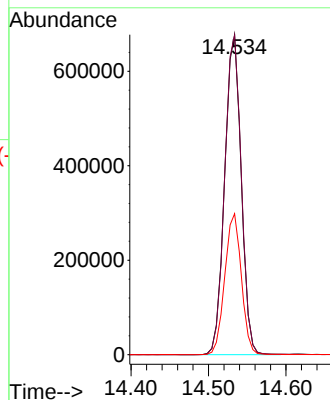
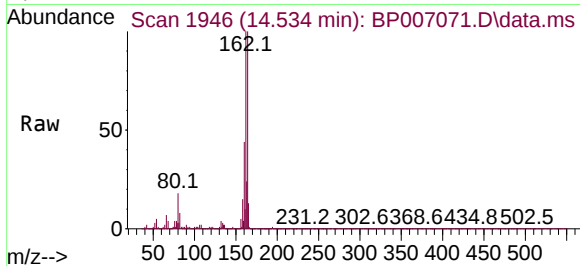




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

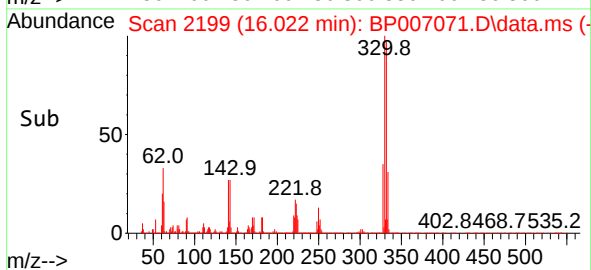
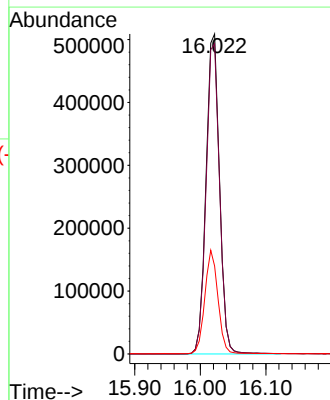
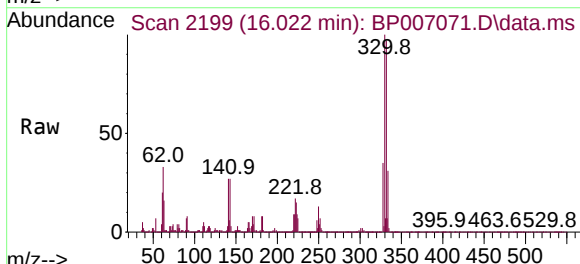
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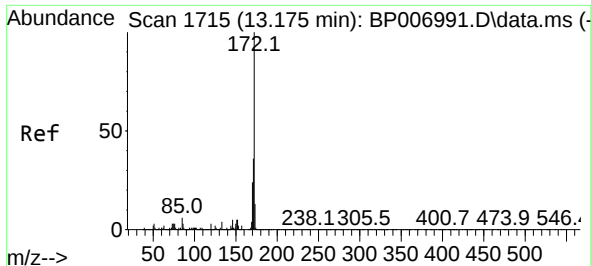
Tgt Ion:164 Resp: 1004453
Ion Ratio Lower Upper
164 100
162 99.9 80.2 120.2
160 44.0 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 60.374 ng
RT: 16.022 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Tgt Ion:330 Resp: 729297
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.8
141 31.4 25.4 38.2

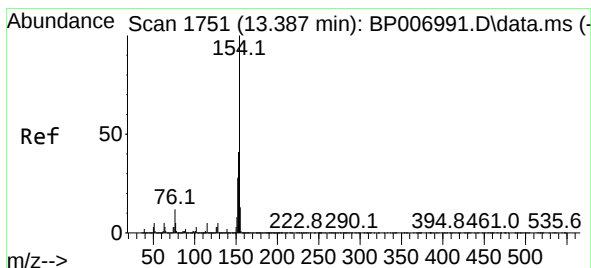
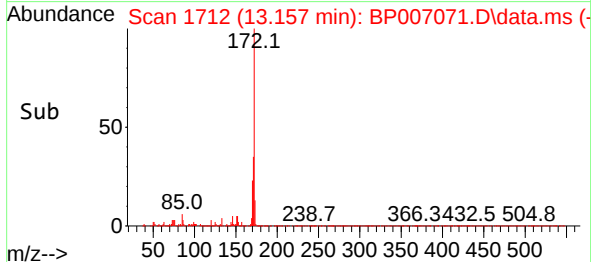
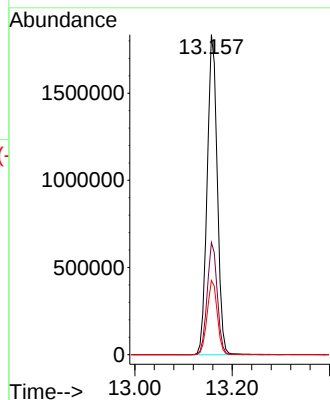
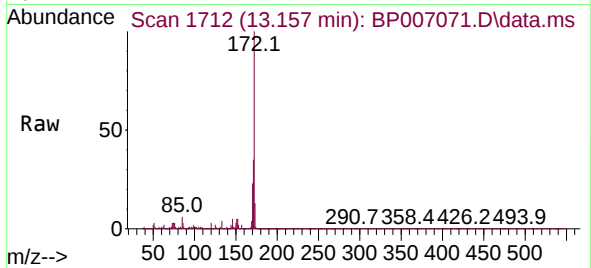




#45
2-Fluorobiphenyl
Concen: 36.195 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

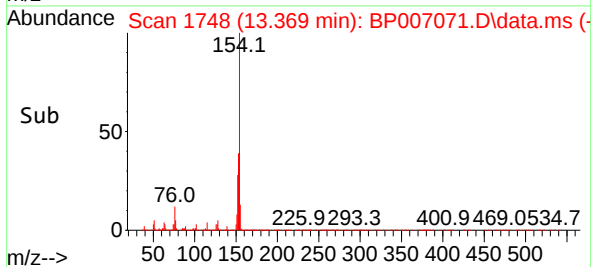
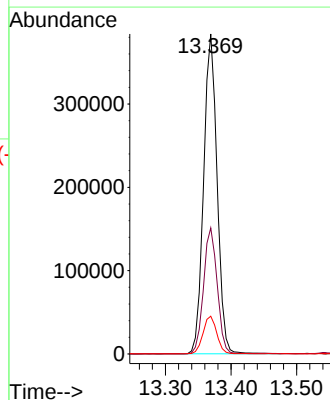
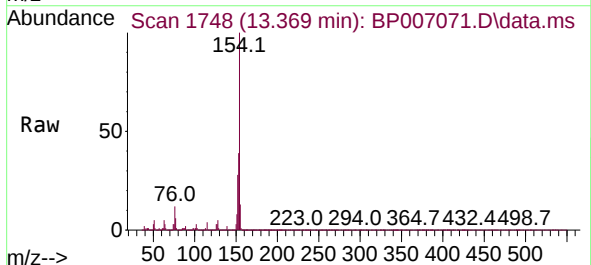
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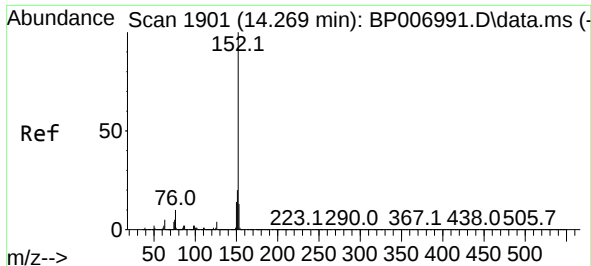
Tgt Ion:172 Resp: 2633559
Ion Ratio Lower Upper
172 100
171 35.1 27.9 41.9
170 23.2 18.6 27.8



#46
1,1'-Biphenyl
Concen: 7.029 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Tgt Ion:154 Resp: 550706
Ion Ratio Lower Upper
154 100
153 39.4 20.4 60.4
76 11.8 0.0 30.8

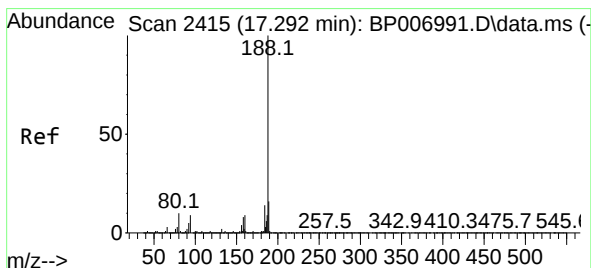
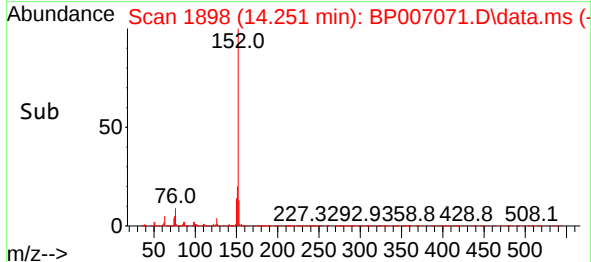
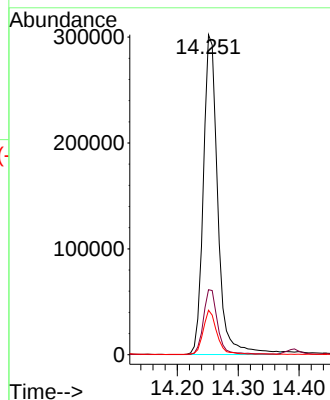
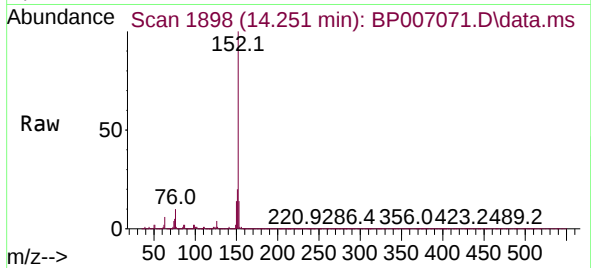




#49
Acenaphthylene
Concen: 5.349 ng
RT: 14.251 min Scan# 1898
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

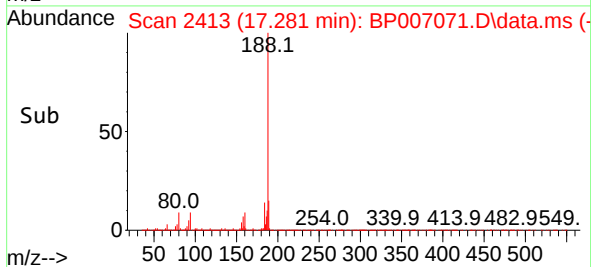
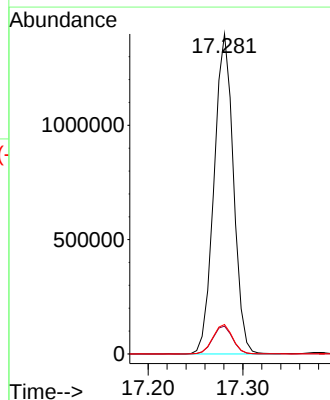
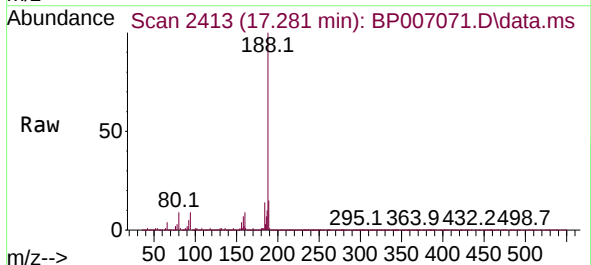
Instrument :
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ClientSampleId :
A010015DL

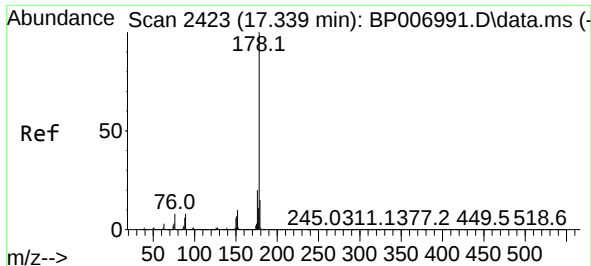
Tgt Ion:152 Resp: 500383
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.9 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.281 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Tgt Ion:188 Resp: 1984264
Ion Ratio Lower Upper
188 100
94 8.7 5.6 8.4#
80 9.2 6.3 9.5

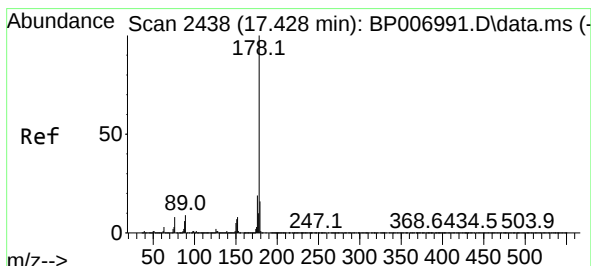
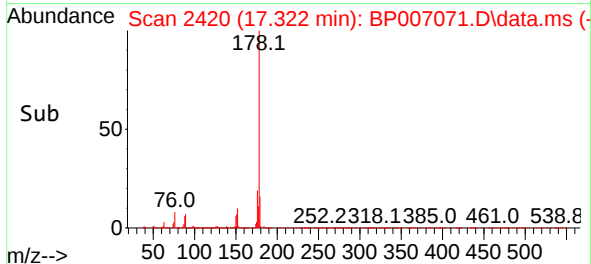
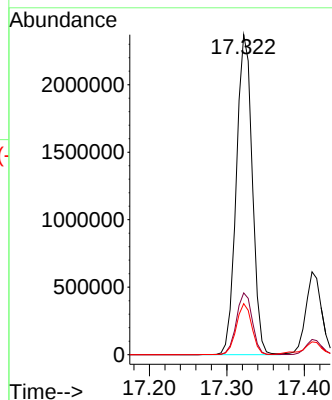
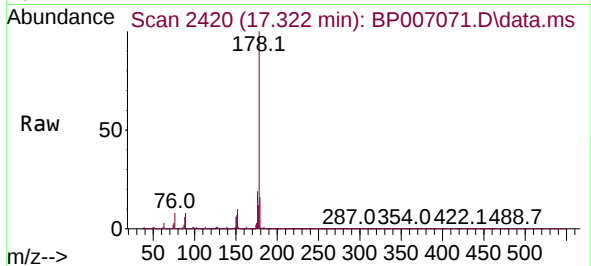




#71
Phenanthrene
Concen: 29.418 ng
RT: 17.322 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

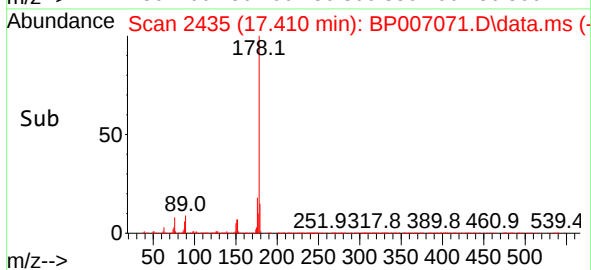
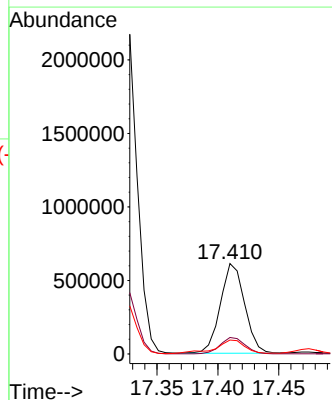
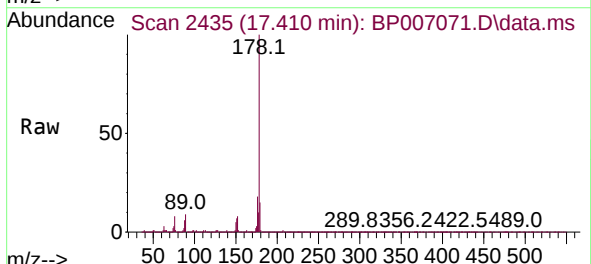
Instrument :
BNA_P
ClientSampleId :
A010015DL

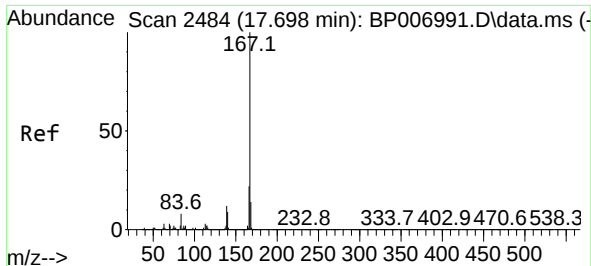
Tgt Ion:178 Resp: 3386357
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 16.0 12.4 18.6



#72
Anthracene
Concen: 7.688 ng
RT: 17.410 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Tgt Ion:178 Resp: 846772
Ion Ratio Lower Upper
178 100
176 18.3 14.9 22.3
179 15.4 12.2 18.2

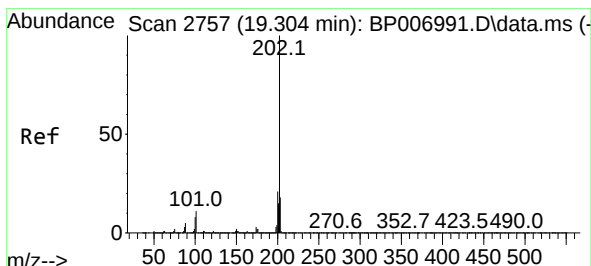
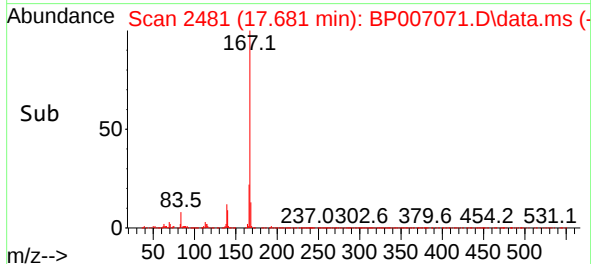
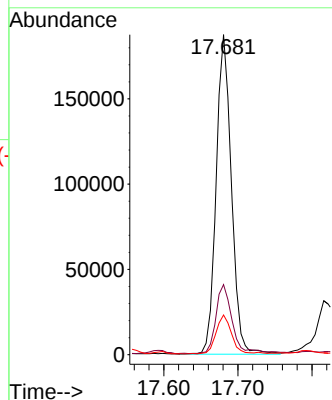
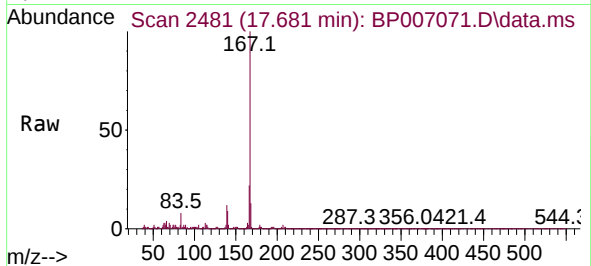




#73
 Carbazole
 Concen: 2.495 ng
 RT: 17.681 min Scan# 2481
 Delta R.T. -0.006 min
 Lab File: BP007071.D
 Acq: 21 Sep 2021 03:04

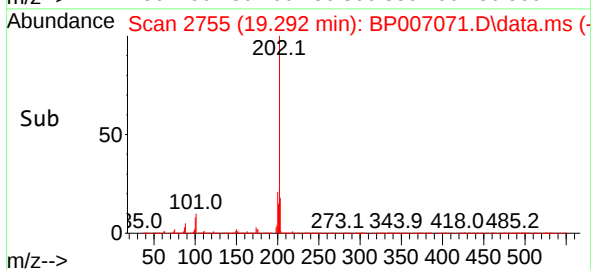
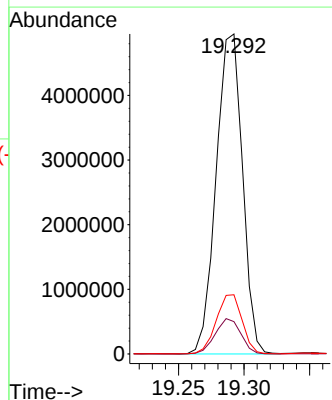
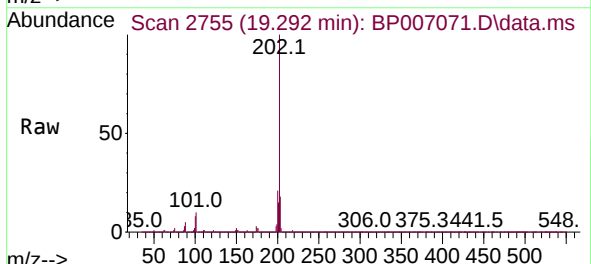
Instrument :
 BNA_P
 ClientSampleId :
 A010015DL

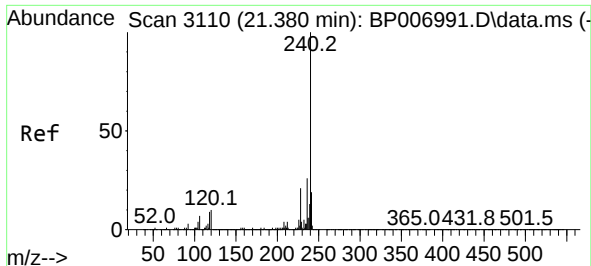
Tgt Ion:167	Resp: 268076
Ion Ratio	Lower Upper
167 100	
166 21.9	17.1 25.7
139 12.4	10.7 16.1



#75
 Fluoranthene
 Concen: 52.105 ng
 RT: 19.292 min Scan# 2755
 Delta R.T. 0.000 min
 Lab File: BP007071.D
 Acq: 21 Sep 2021 03:04

Tgt Ion:202	Resp: 6908475
Ion Ratio	Lower Upper
202 100	
101 10.1	0.0 27.6
203 18.5	0.0 37.8

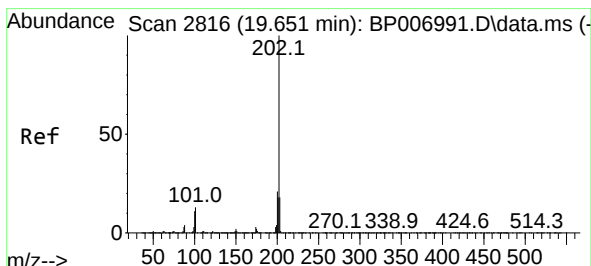
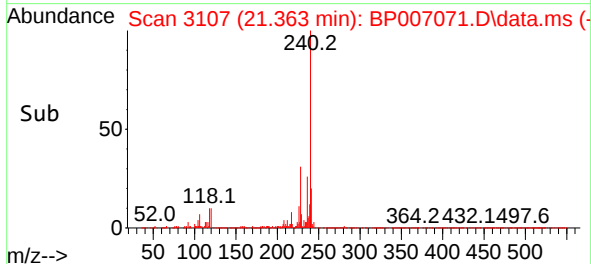
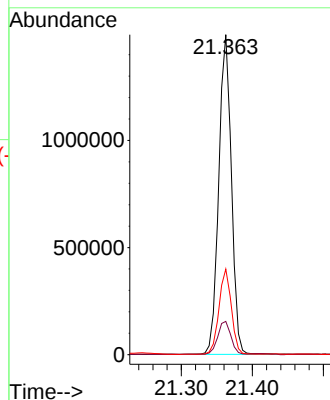
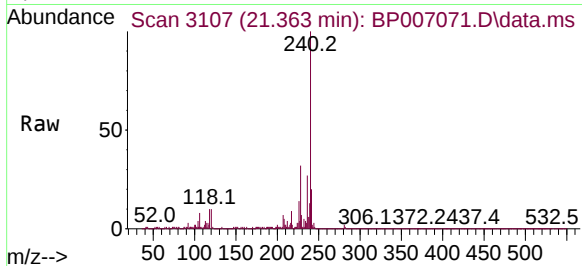




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.363 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

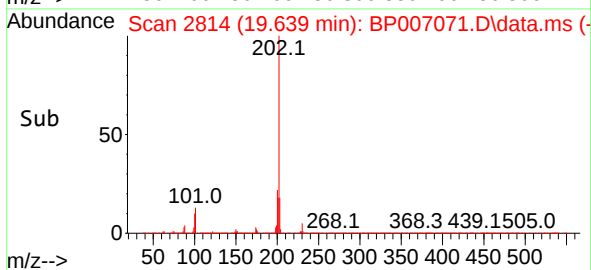
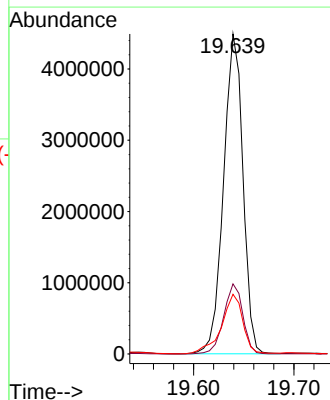
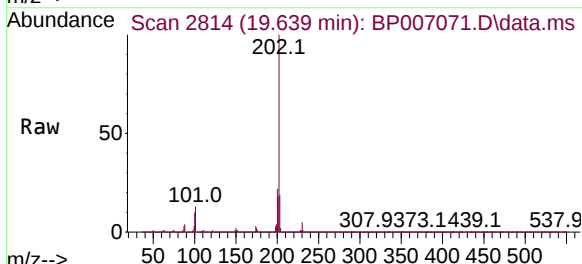
Instrument :
BNA_P
ClientSampleId :
A010015DL

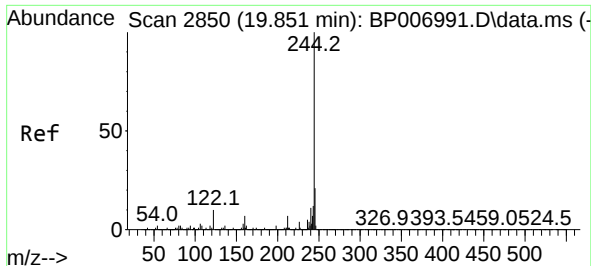
Tgt Ion:240 Resp: 1832739
Ion Ratio Lower Upper
240 100
120 10.4 6.5 9.7#
236 26.7 20.6 31.0



#78
Pyrene
Concen: 47.409 ng
RT: 19.639 min Scan# 2814
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Tgt Ion:202 Resp: 6021019
Ion Ratio Lower Upper
202 100
200 21.9 16.3 24.5
203 18.7 14.2 21.2

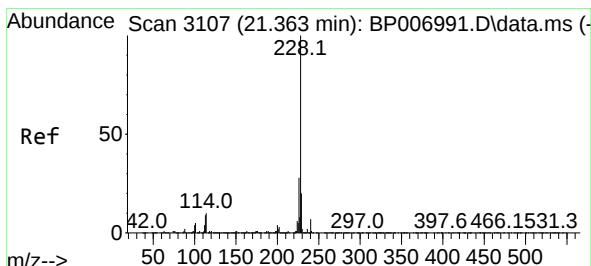
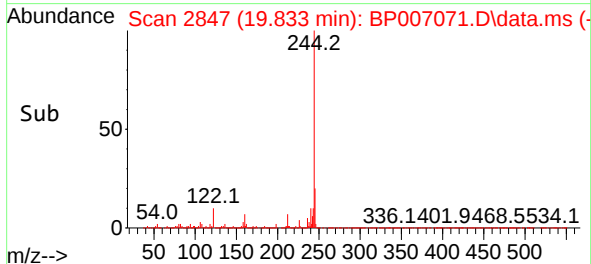
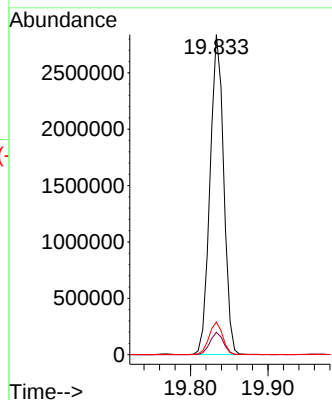
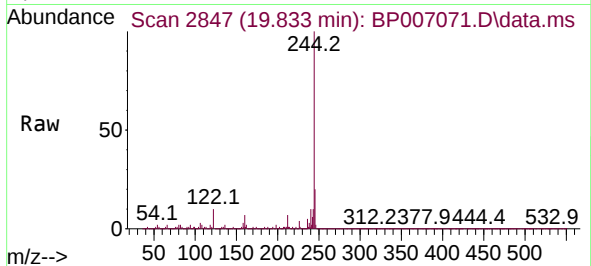




#79
 Terphenyl-d14
 Concen: 36.395 ng
 RT: 19.833 min Scan# 2847
 Delta R.T. -0.006 min
 Lab File: BP007071.D
 Acq: 21 Sep 2021 03:04

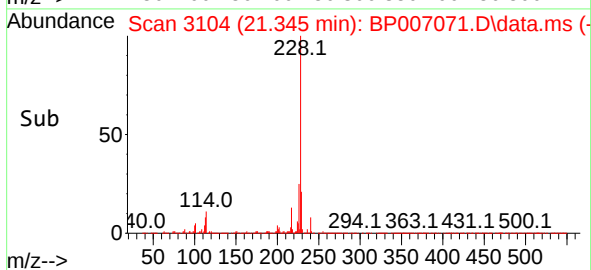
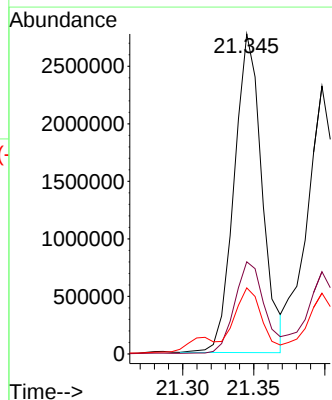
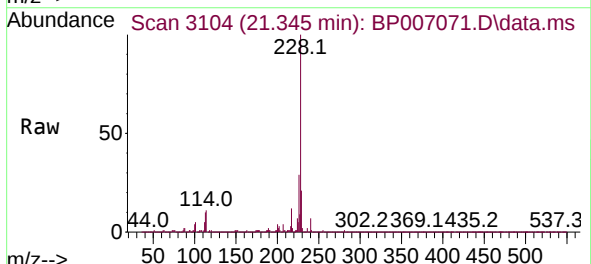
Instrument :
 BNA_P
 ClientSampleId :
 A010015DL

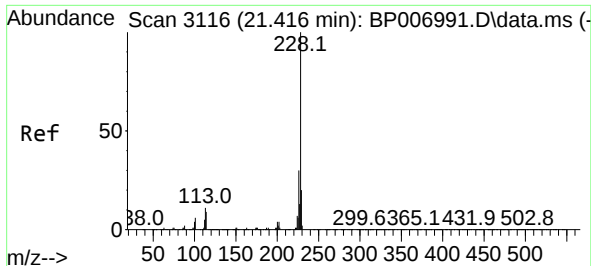
Tgt Ion:244 Resp: 3476572
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 10.2 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 30.332 ng
 RT: 21.345 min Scan# 3104
 Delta R.T. -0.006 min
 Lab File: BP007071.D
 Acq: 21 Sep 2021 03:04

Tgt Ion:228 Resp: 3777471
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.6 32.4
 229 20.7 15.8 23.6

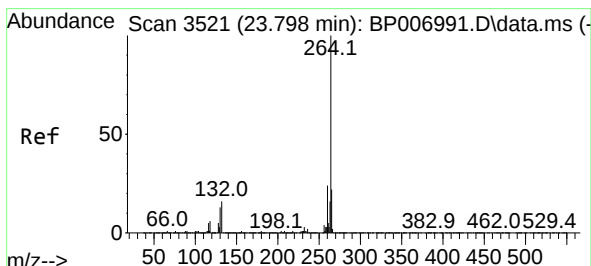
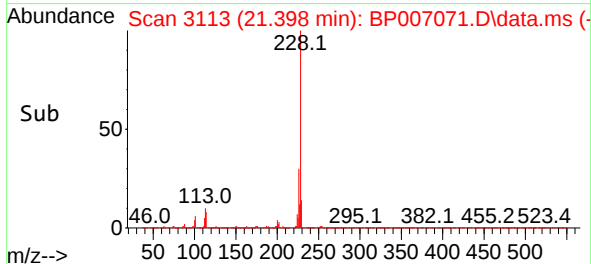
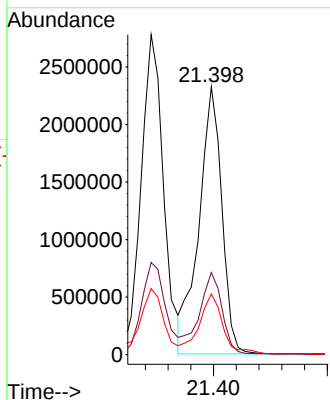
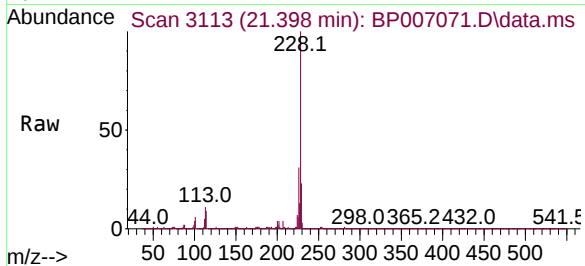




#83
Chrysene
Concen: 26.567 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

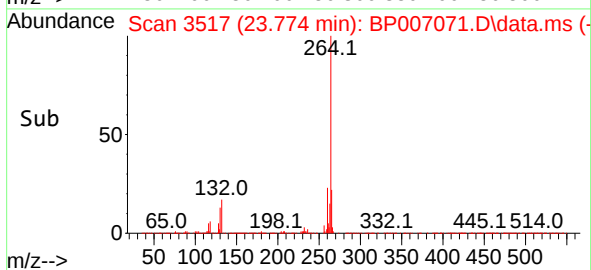
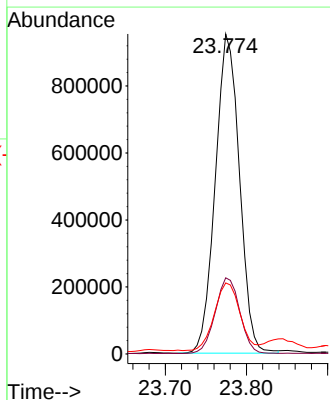
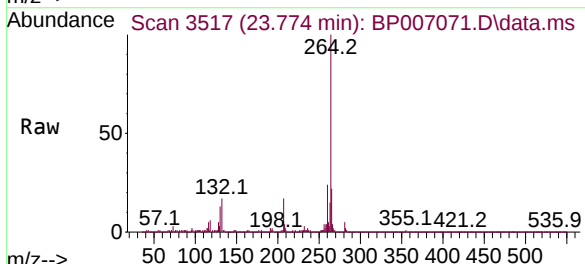
Instrument :
BNA_P
ClientSampleId :
A010015DL

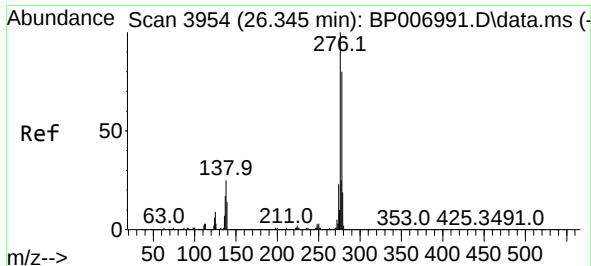
Tgt Ion:228 Resp: 3246571
Ion Ratio Lower Upper
228 100
226 30.7 23.8 35.6
229 22.7 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3517
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

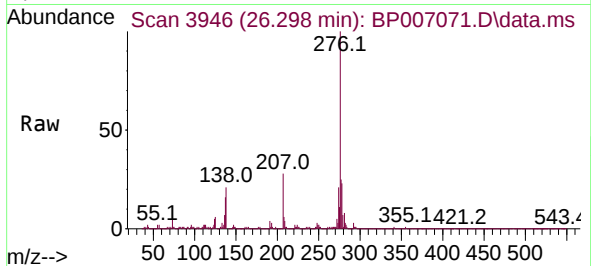
Tgt Ion:264 Resp: 1970309
Ion Ratio Lower Upper
264 100
260 23.8 18.6 28.0
265 22.2 17.6 26.4



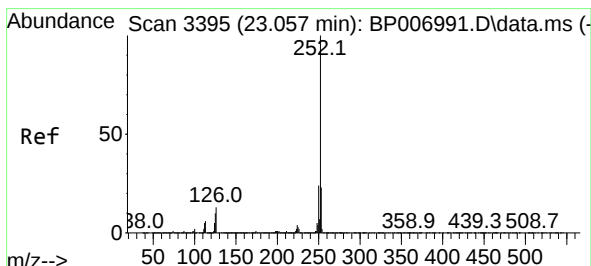
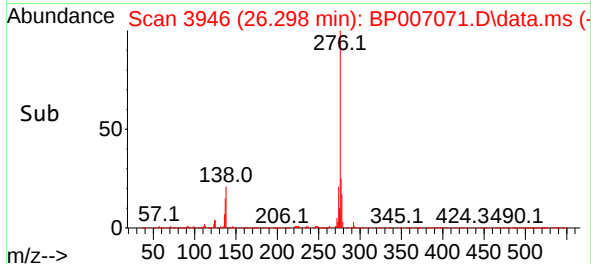
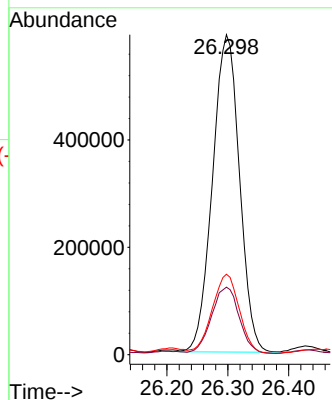


#87
Indeno(1,2,3-cd)pyrene
Concen: 12.162 ng
RT: 26.298 min Scan# 3946
Delta R.T. -0.012 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Instrument :
BNA_P
ClientSampleId :
A010015DL

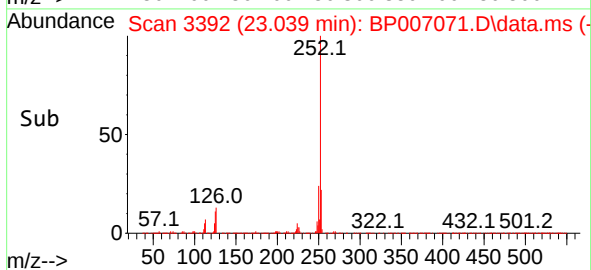
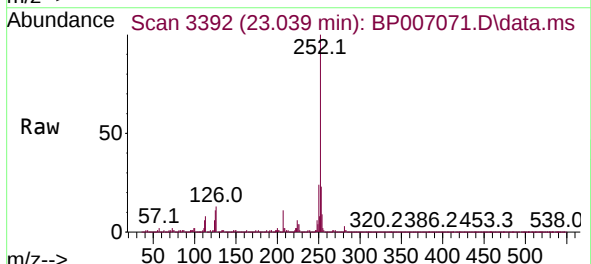
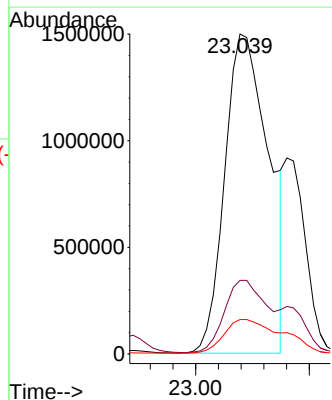


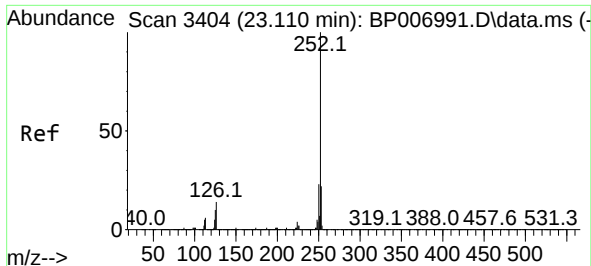
Tgt Ion:276 Resp: 1818544
Ion Ratio Lower Upper
276 100
138 21.6 15.3 22.9
277 25.1 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 30.077 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Tgt Ion:252 Resp: 4025109
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.8 6.2 9.4#

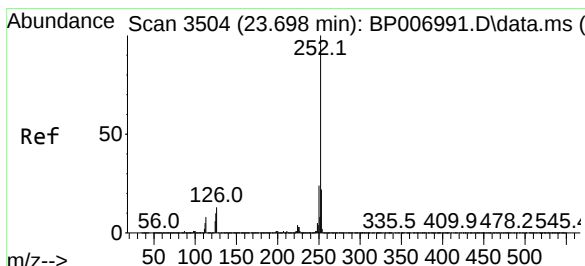
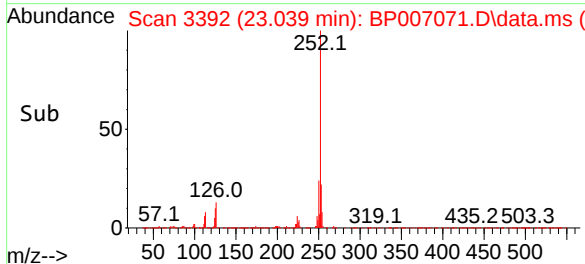
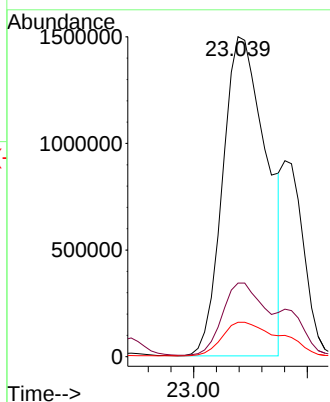
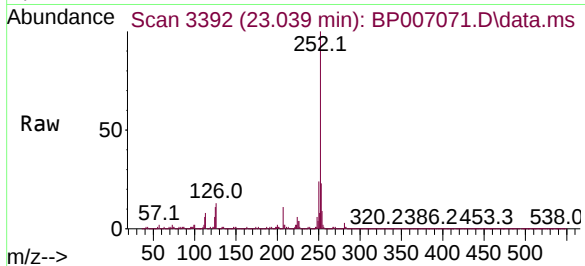




#89
Benzo(k)fluoranthene
Concen: 30.901 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.053 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

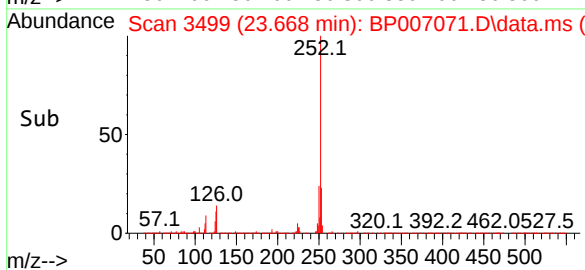
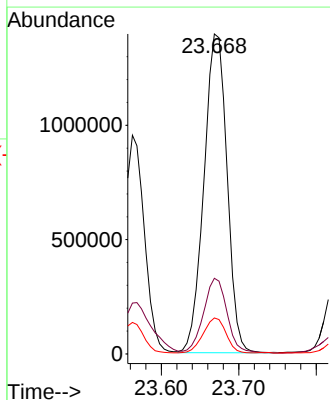
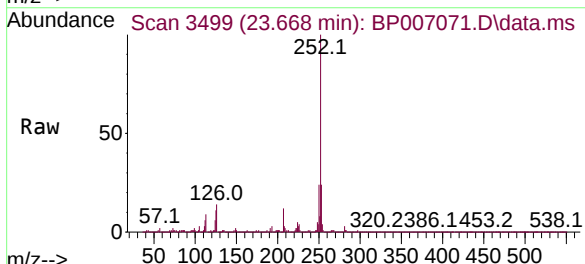
Instrument :
BNA_P
ClientSampleId :
A010015DL

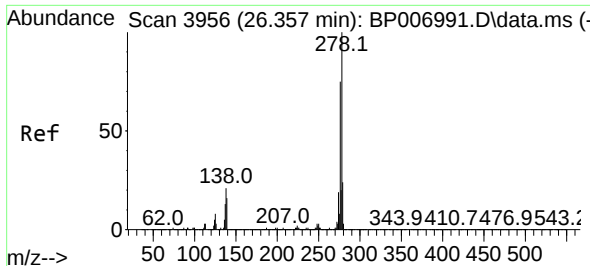
Tgt Ion:252 Resp: 4025109
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 10.8 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 24.077 ng
RT: 23.668 min Scan# 3499
Delta R.T. -0.006 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Tgt Ion:252 Resp: 2889549
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 11.3 6.5 9.7#

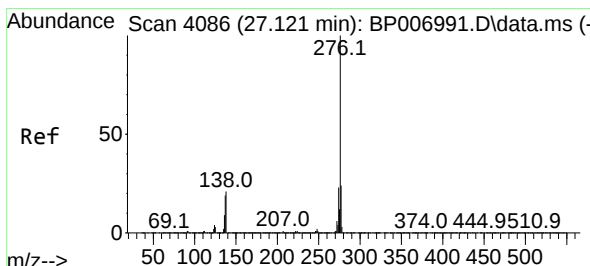
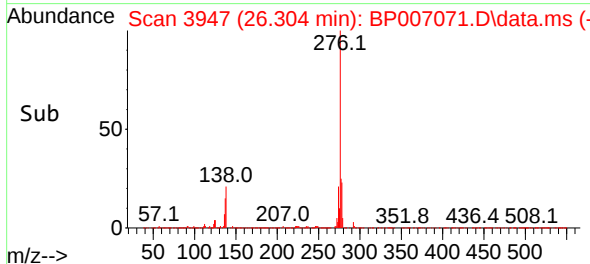
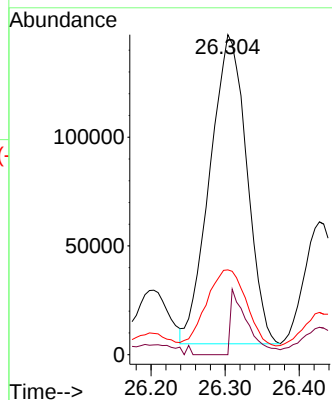
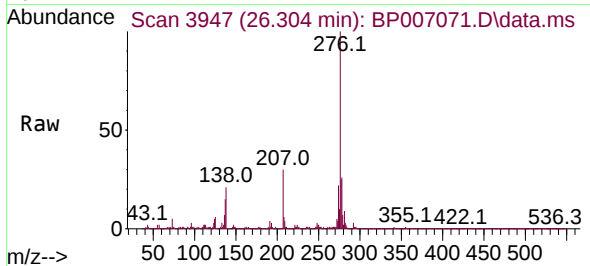




#91
Dibenzo(a,h)anthracene
Concen: 3.795 ng
RT: 26.304 min Scan# 3947
Delta R.T. -0.029 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Instrument :
BNA_P
ClientSampleId :
A010015DL

Tgt Ion:278 Resp: 490849
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 26.5 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 12.969 ng
RT: 27.074 min Scan# 4078
Delta R.T. -0.012 min
Lab File: BP007071.D
Acq: 21 Sep 2021 03:04

Tgt Ion:276 Resp: 1618491
Ion Ratio Lower Upper
276 100
277 24.5 18.9 28.3
138 21.3 12.6 18.8#

