

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
 Data File : BP007220.D
 Acq On : 27 Sep 2021 23:31
 Operator : CG/JU
 Sample : M3934-07DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-2DL

Quant Time: Sep 28 02:53:19 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)

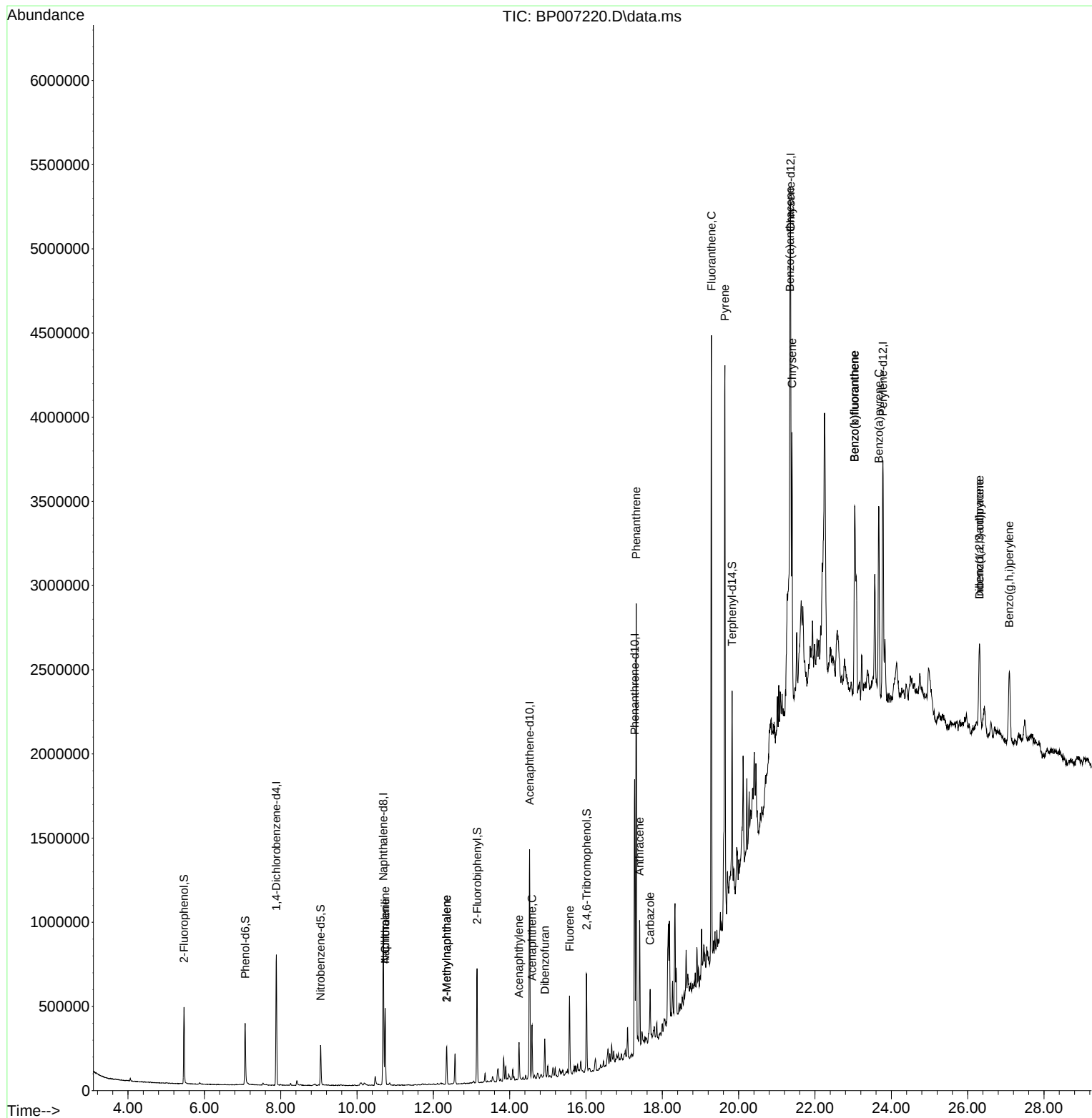
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	219410	20.000	ng	0.00
21) Naphthalene-d8	10.687	136	804987	20.000	ng	# 0.00
39) Acenaphthene-d10	14.522	164	488304	20.000	ng	0.00
64) Phenanthrene-d10	17.275	188	1009508	20.000	ng	0.00
76) Chrysene-d12	21.363	240	1029325	20.000	ng	0.00
86) Perylene-d12	23.780	264	1154222	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	215203	16.418	ng	0.00
7) Phenol-d6	7.069	99	244568	13.652	ng	0.00
23) Nitrobenzene-d5	9.046	82	143248	10.363	ng	-0.01
42) 2,4,6-Tribromophenol	16.016	330	116158	18.349	ng	0.00
45) 2-Fluorobiphenyl	13.146	172	366682	10.758	ng	0.00
79) Terphenyl-d14	19.828	244	527413	9.819	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.740	128	383162	9.326	ng	98
33) 4-Chloroaniline	10.740	127	49900	2.940	ng	# 32
37) 2-Methylnaphthalene	12.351	142	113546	3.947	ng	96
38) 1-Methylnaphthalene	12.351	142	113546	4.040	ng	100
49) Acenaphthylene	14.245	152	155429	3.587	ng	97
52) Acenaphthene	14.587	154	118855	4.527	ng	99
55) Dibenzofuran	14.922	168	122064	2.787	ng	95
58) Fluorene	15.569	166	212454	6.278	ng	97
71) Phenanthrene	17.316	178	1628620	30.088	ng	100
72) Anthracene	17.404	178	489495	9.244	ng	100
73) Carbazole	17.681	167	187687	3.617	ng	98
75) Fluoranthene	19.286	202	2199591	35.271	ng	99
78) Pyrene	19.639	202	2084121	30.861	ng	99
81) Benzo(a)anthracene	21.345	228	1000927	14.981	ng	96
83) Chrysene	21.398	228	841437	13.177	ng	95
87) Indeno(1,2,3-cd)pyrene	26.310	276	595413	7.178	ng	98
88) Benzo(b)fluoranthene	23.039	252	1521171	22.053	ng	# 95
89) Benzo(k)fluoranthene	23.039	252	1521171	21.781	ng	# 95
90) Benzo(a)pyrene	23.674	252	933802	15.934	ng	# 96
91) Dibenzo(a,h)anthracene	26.310	278	148458	2.136	ng	# 78
92) Benzo(g,h,i)perylene	27.092	276	599419	8.836	ng	97

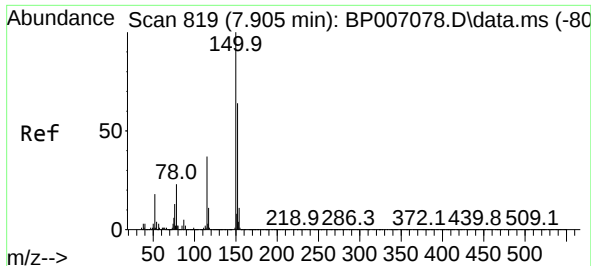
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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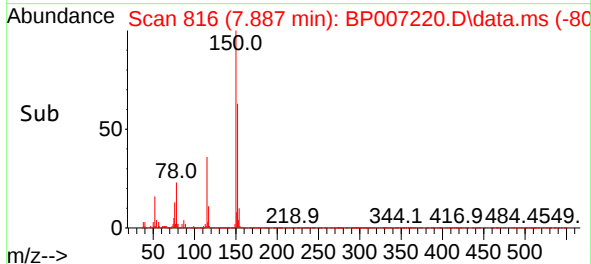
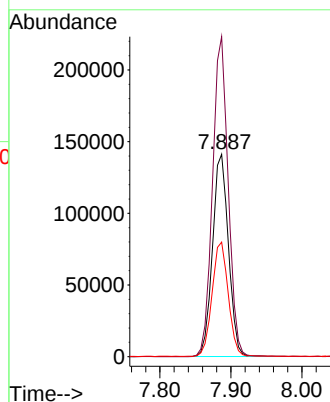
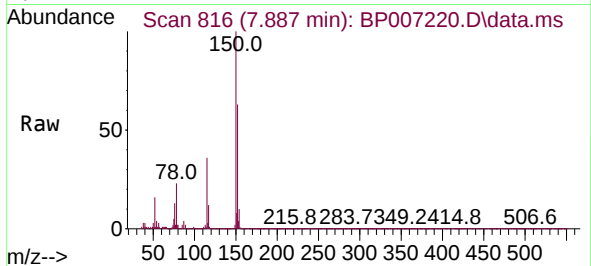




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

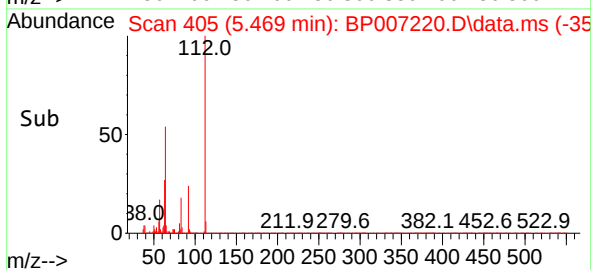
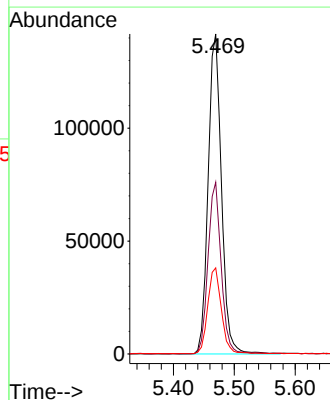
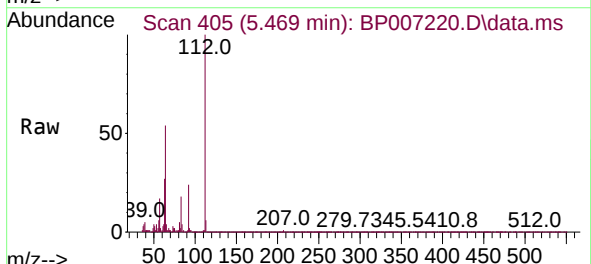
Instrument :
BNA_P
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TP-2DL

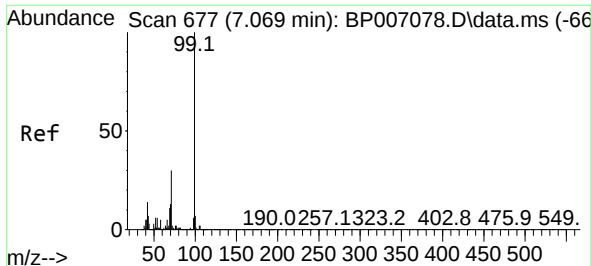
Tgt Ion:152 Resp: 219410
Ion Ratio Lower Upper
152 100
150 158.0 125.6 188.4
115 56.6 48.5 72.7



#5
2-Fluorophenol
Concen: 16.418 ng
RT: 5.469 min Scan# 405
Delta R.T. 0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:112 Resp: 215203
Ion Ratio Lower Upper
112 100
64 53.7 41.4 62.2
63 26.9 23.8 35.8

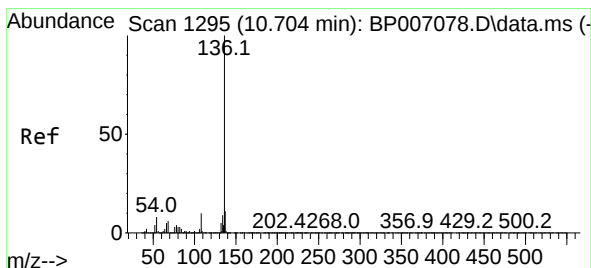
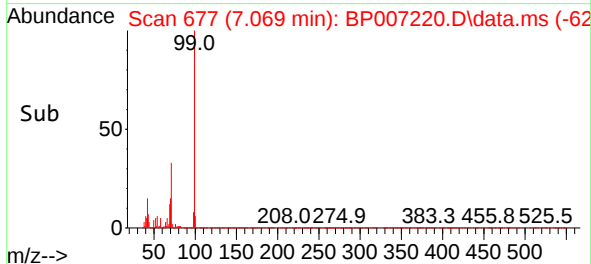
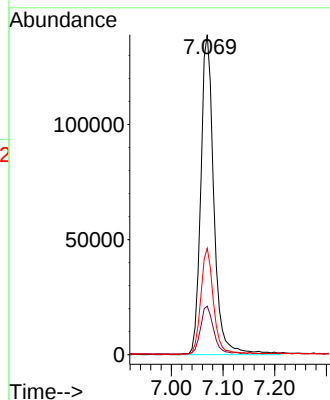
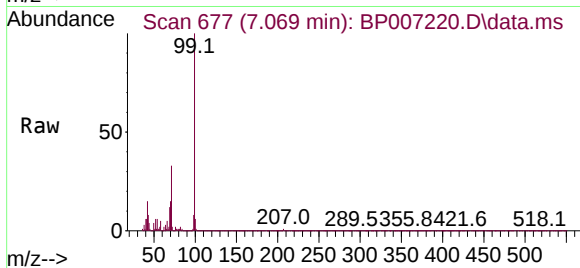




#7
Phenol-d6
Concen: 13.652 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

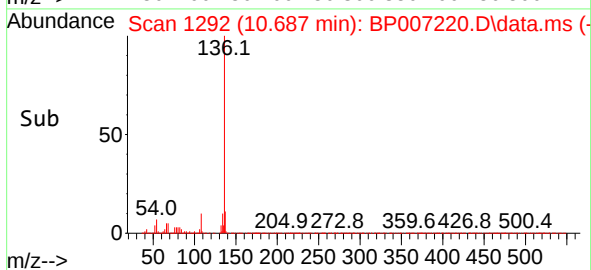
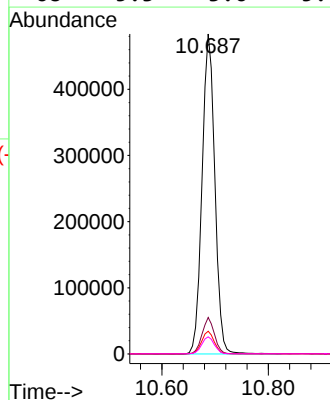
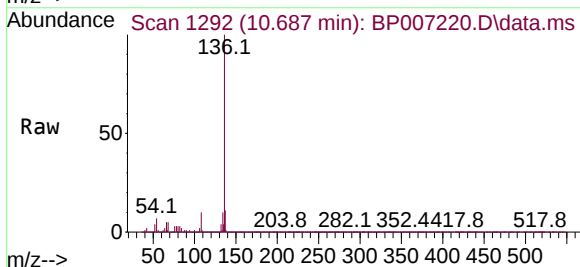
Instrument :
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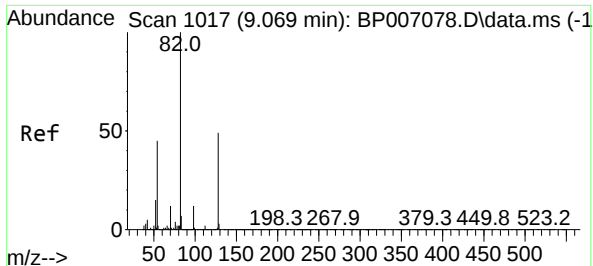
Tgt Ion:	99	Resp:	244568
Ion	Ratio	Lower	Upper
99	100		
42	15.1	13.4	20.0
71	33.2	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.687 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:	136	Resp:	804987
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	12.8
54	7.1	4.6	6.8
68	5.3	3.6	5.4

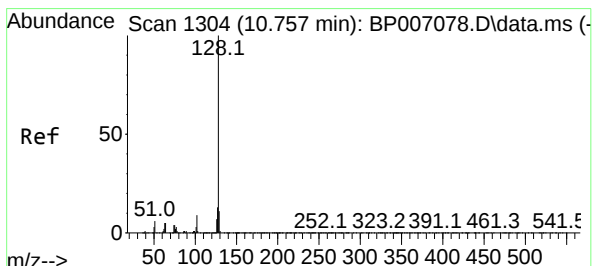
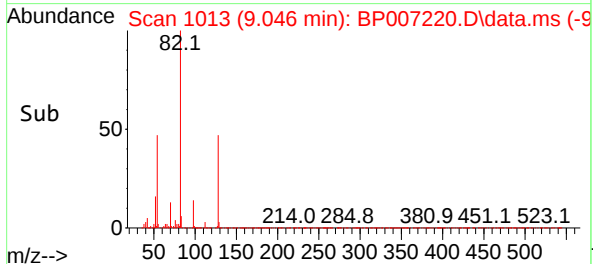
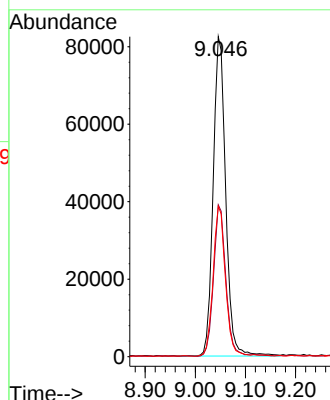
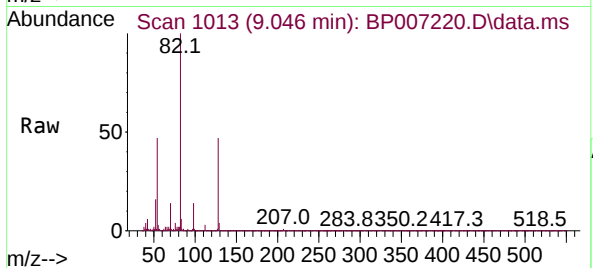




#23
Nitrobenzene-d5
Concen: 10.363 ng
RT: 9.046 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

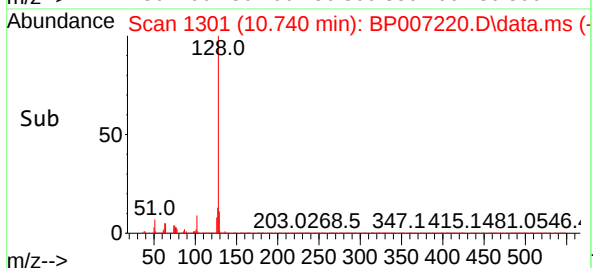
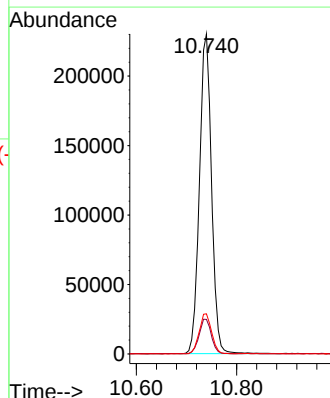
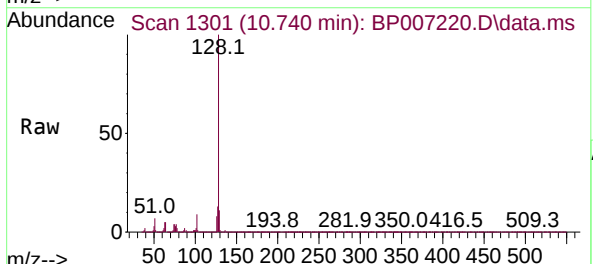
Instrument :
BNA_P
ClientSampleId :
TP-2DL

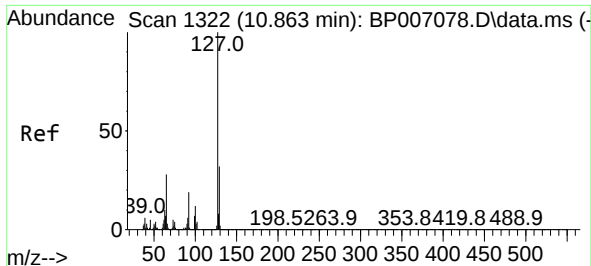
Tgt Ion: 82 Resp: 143248
Ion Ratio Lower Upper
82 100
128 47.5 35.7 53.5
54 47.0 35.0 52.4



#31
Naphthalene
Concen: 9.326 ng
RT: 10.740 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion: 128 Resp: 383162
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 12.6 10.7 16.1

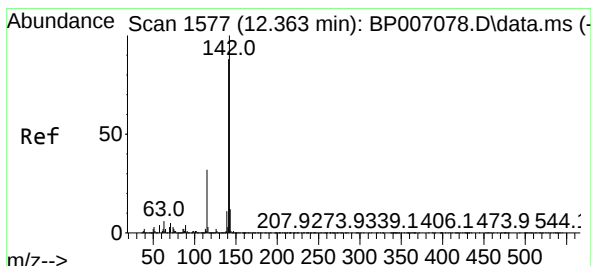
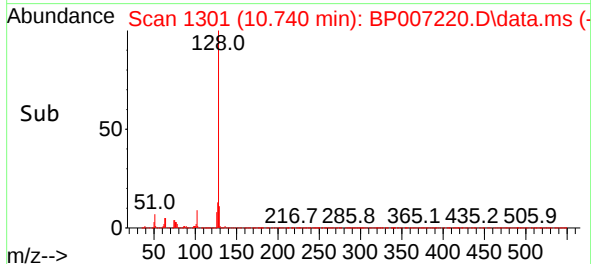
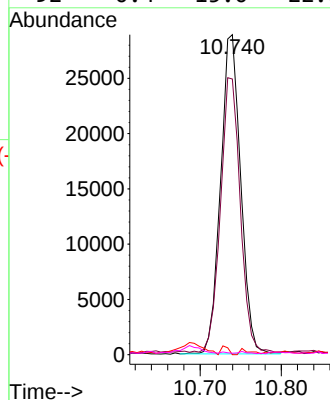
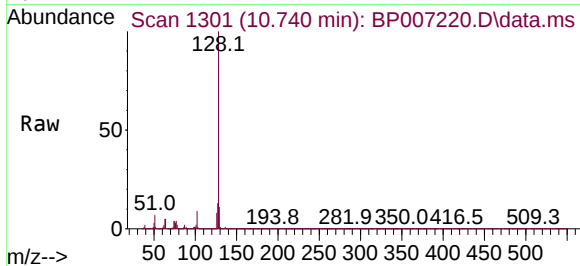




#33
4-Chloroaniline
Concen: 2.940 ng
RT: 10.740 min Scan# 1301
Delta R.T. -0.118 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

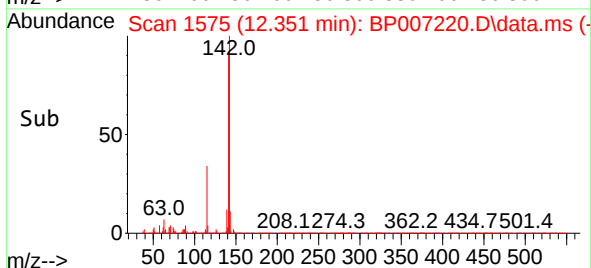
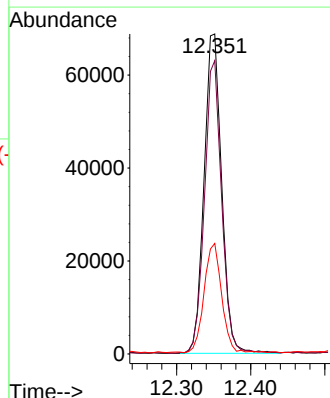
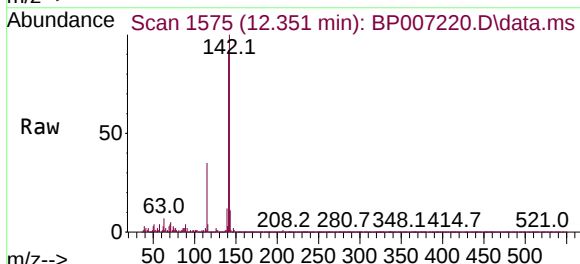
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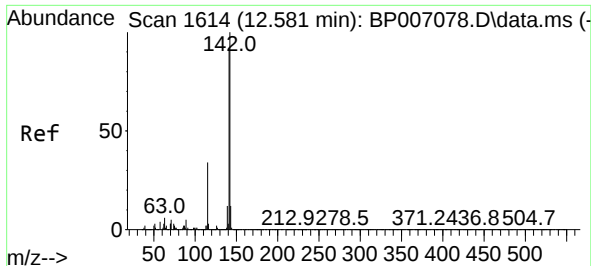
Tgt Ion:	127	Resp:	49900
Ion Ratio	Lower	Upper	
127	100		
129	86.1	26.1	39.1#
65	0.0	22.5	33.7#
92	0.4	15.0	22.6#



#37
2-Methylnaphthalene
Concen: 3.947 ng
RT: 12.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:	142	Resp:	113546
Ion Ratio	Lower	Upper	
142	100		
141	91.6	71.8	107.6
115	34.5	31.6	47.4

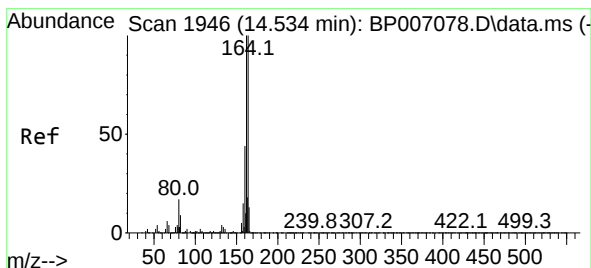
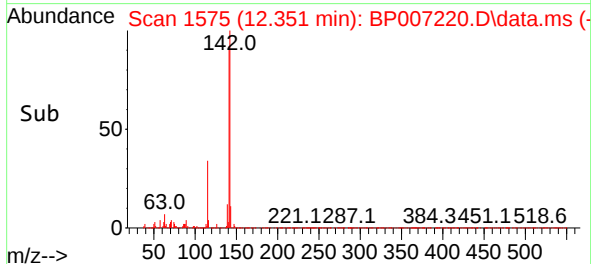
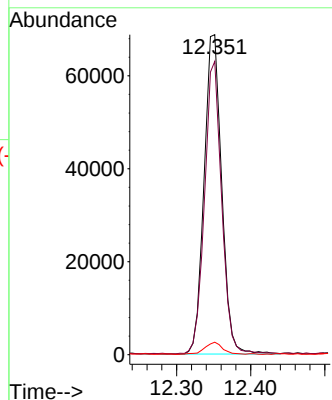
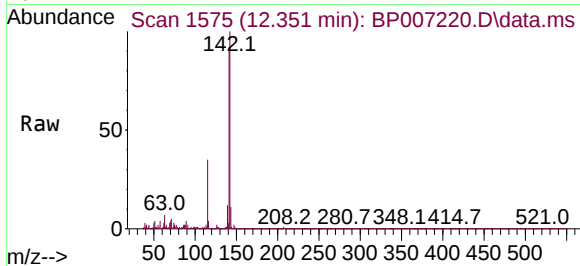




#38
1-Methylnaphthalene
Concen: 4.040 ng
RT: 12.351 min Scan# 1575
Delta R.T. -0.224 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

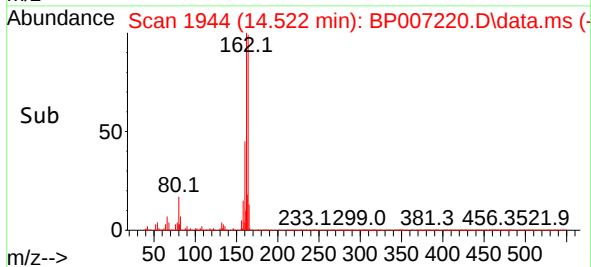
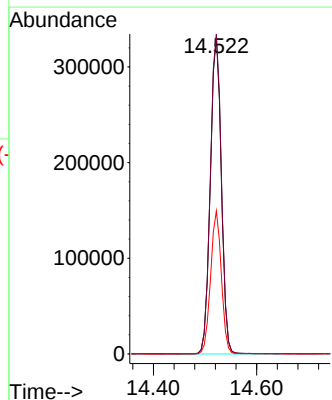
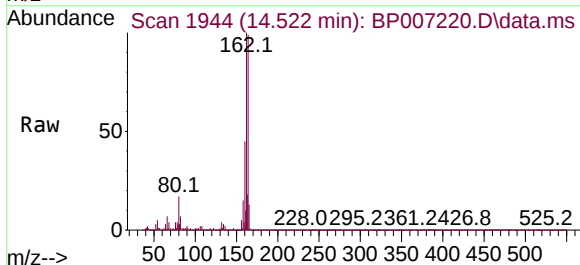
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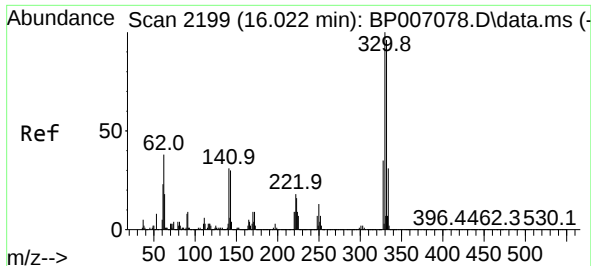
Tgt Ion:	142	Resp:	113546
Ion Ratio	Lower	Upper	
142	100		
141	91.6	73.3	109.9
116	3.9	3.5	5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:	164	Resp:	488304
Ion Ratio	Lower	Upper	
164	100		
162	100.9	80.2	120.2
160	45.1	34.5	51.7

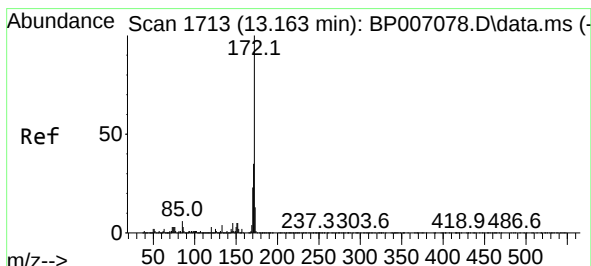
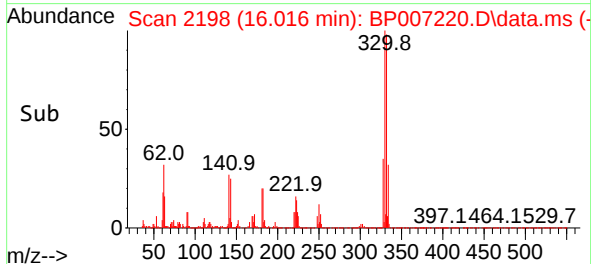
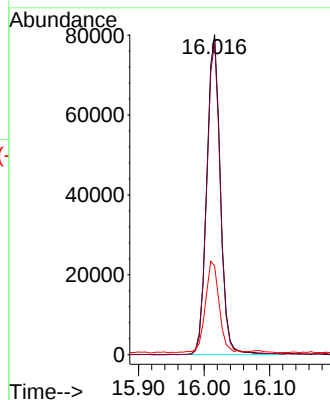
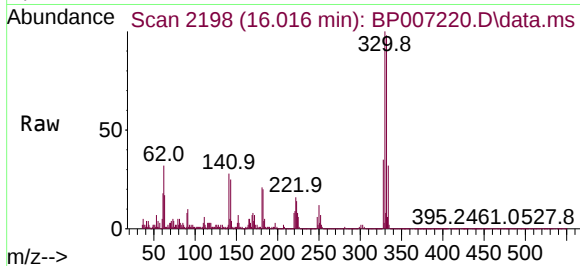




#42
2,4,6-Tribromophenol
Concen: 18.349 ng
RT: 16.016 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

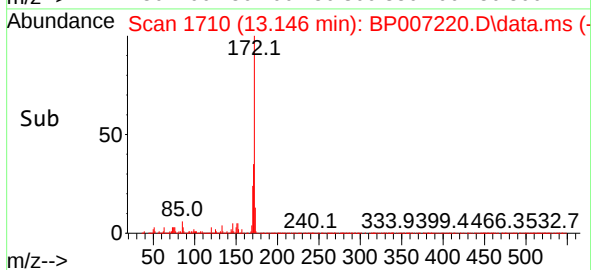
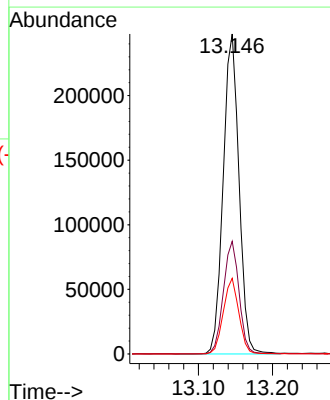
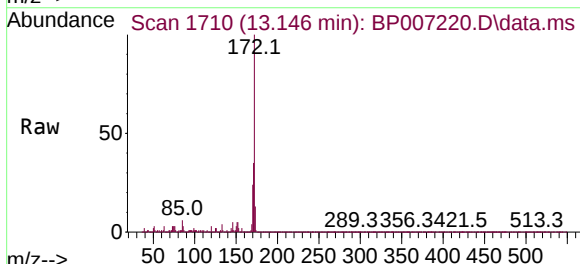
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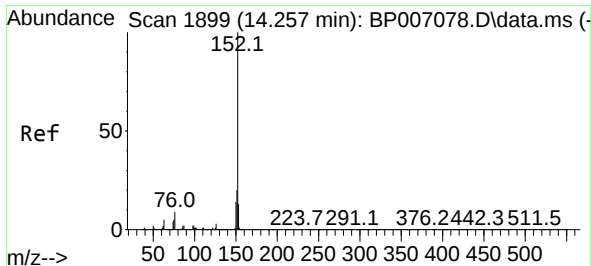
Tgt Ion:330 Resp: 116158
Ion Ratio Lower Upper
330 100
332 97.3 77.8 116.8
141 29.4 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 10.758 ng
RT: 13.146 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:172 Resp: 366682
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.6 18.6 27.8





#49

Acenaphthylene

Concen: 3.587 ng

RT: 14.245 min Scan# 1897

Delta R.T. -0.000 min

Lab File: BP007220.D

Acq: 27 Sep 2021 23:31

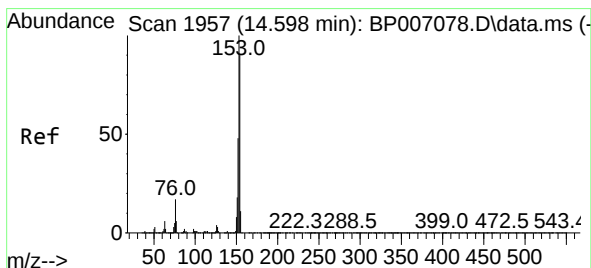
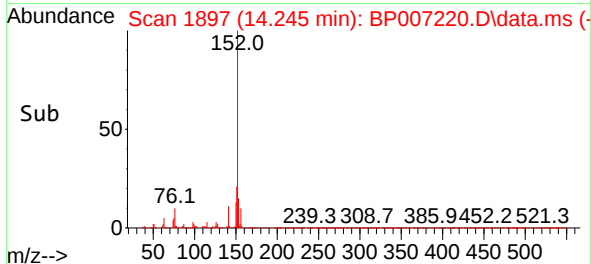
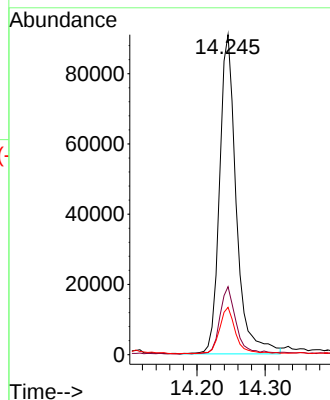
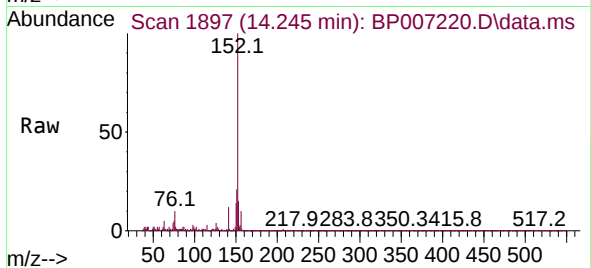
Instrument :

BNA_P

ClientSampleId :

TP-2DL

Tgt Ion:152	Resp: 155429
Ion Ratio	Lower Upper
152	100
151	21.3 16.2 24.2
153	14.8 10.6 16.0



#52

Acenaphthene

Concen: 4.527 ng

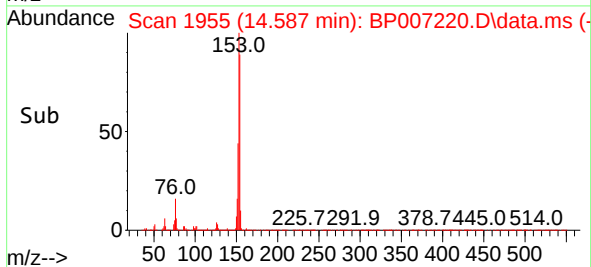
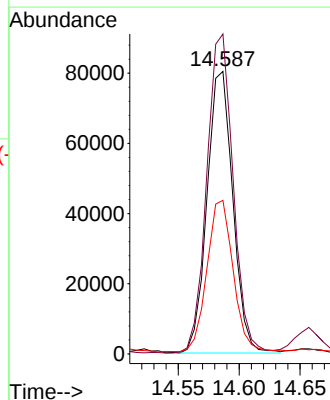
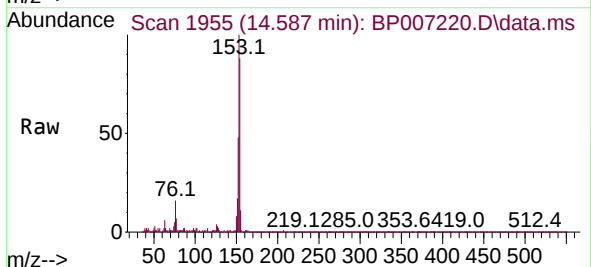
RT: 14.587 min Scan# 1955

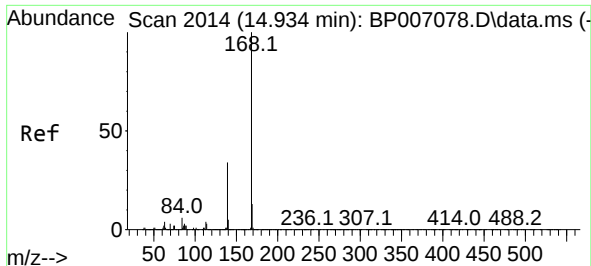
Delta R.T. -0.000 min

Lab File: BP007220.D

Acq: 27 Sep 2021 23:31

Tgt Ion:154	Resp: 118855
Ion Ratio	Lower Upper
154	100
153	113.2 89.4 134.2
152	54.4 43.0 64.4

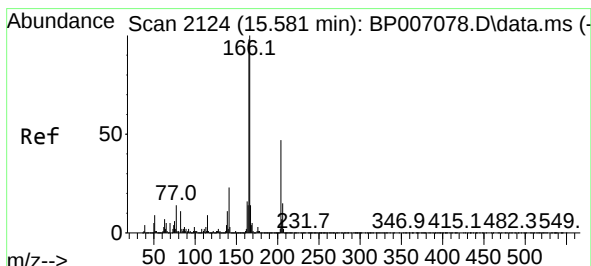
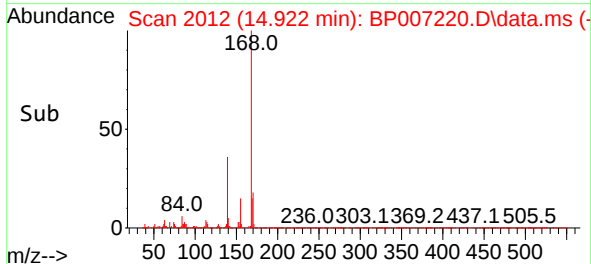
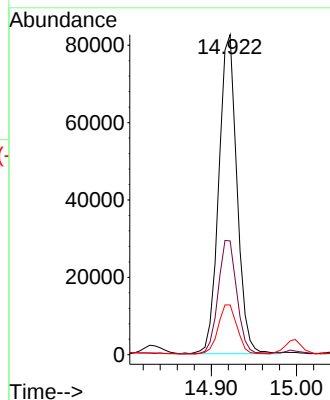
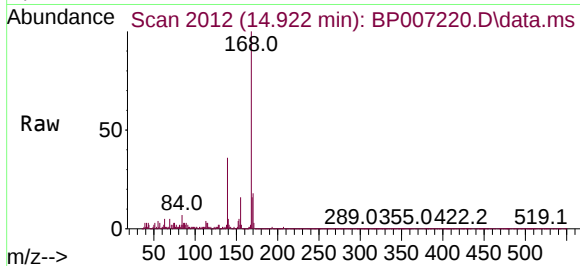




#55
Dibenzenofuran
Concen: 2.787 ng
RT: 14.922 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

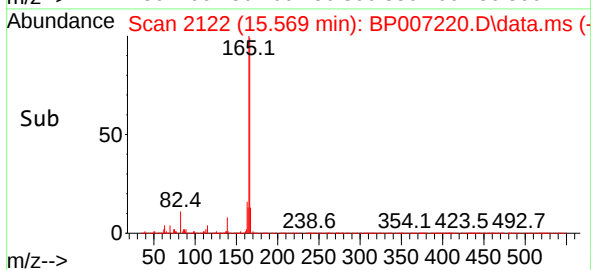
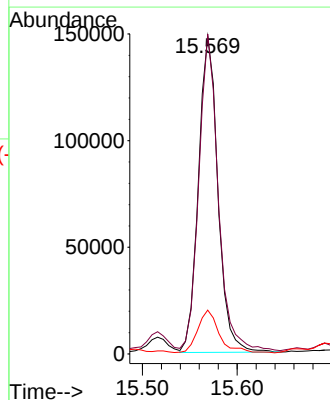
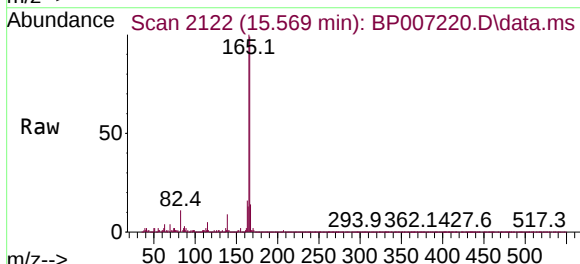
Instrument :
BNA_P
ClientSampleId :
TP-2DL

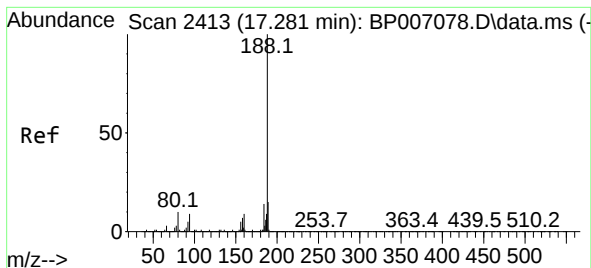
Tgt Ion:168 Resp: 122064
Ion Ratio Lower Upper
168 100
139 35.5 31.0 46.6
169 15.5 10.8 16.2



#58
Fluorene
Concen: 6.278 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:166 Resp: 212454
Ion Ratio Lower Upper
166 100
165 100.8 78.0 117.0
167 13.8 10.5 15.7

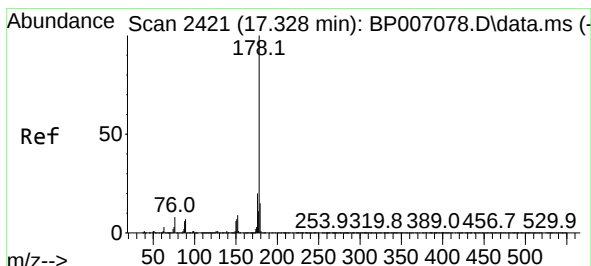
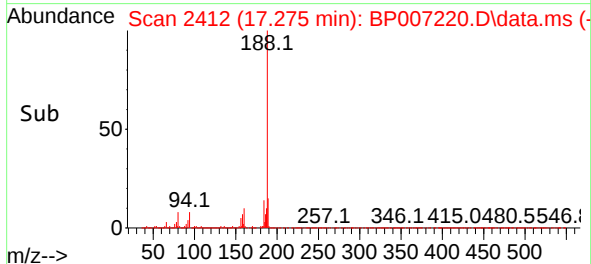
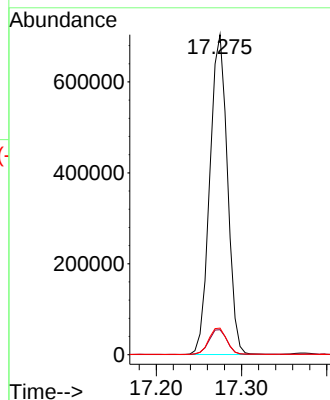
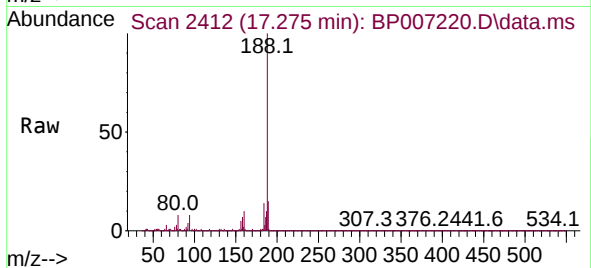




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

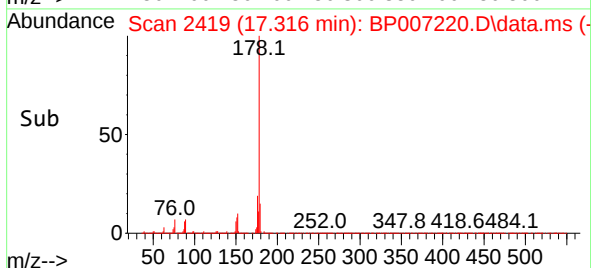
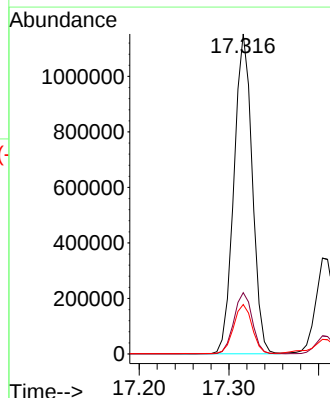
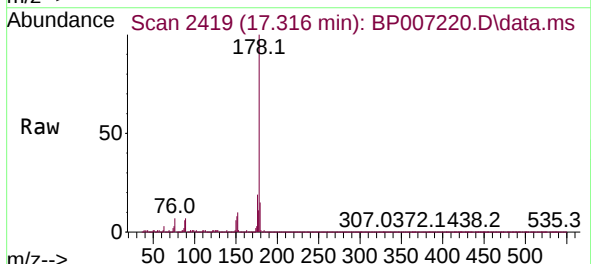
Instrument :
BNA_P
ClientSampleId :
TP-2DL

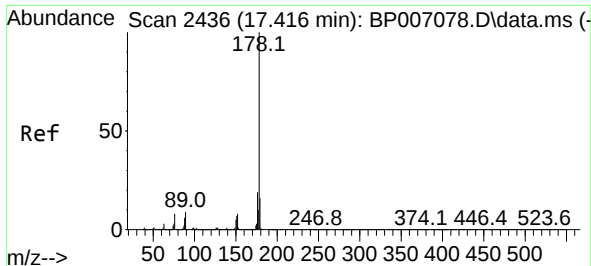
Tgt Ion:188 Resp: 1009508
Ion Ratio Lower Upper
188 100
94 7.8 5.6 8.4
80 8.3 6.3 9.5



#71
Phenanthrene
Concen: 30.088 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:178 Resp: 1628620
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.4 12.4 18.6

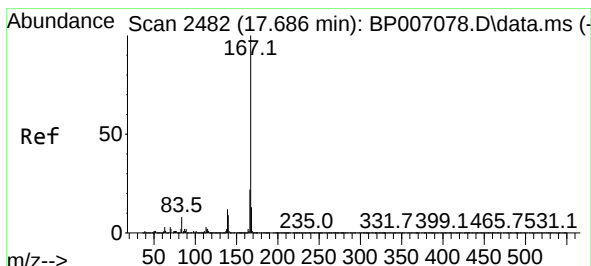
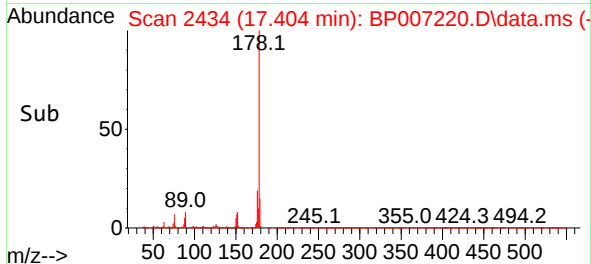
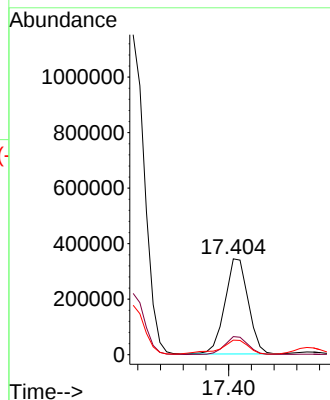
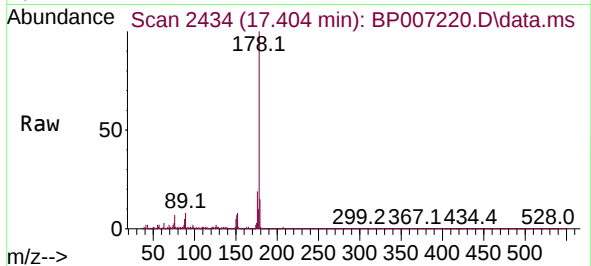




#72
 Anthracene
 Concen: 9.244 ng
 RT: 17.404 min Scan# 2434
 Delta R.T. -0.006 min
 Lab File: BP007220.D
 Acq: 27 Sep 2021 23:31

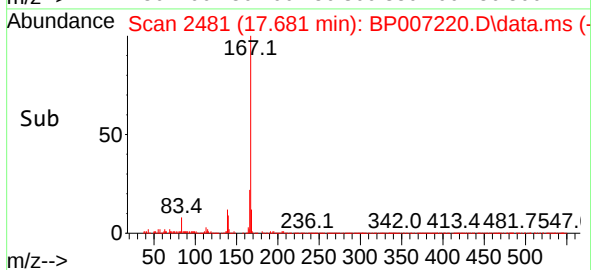
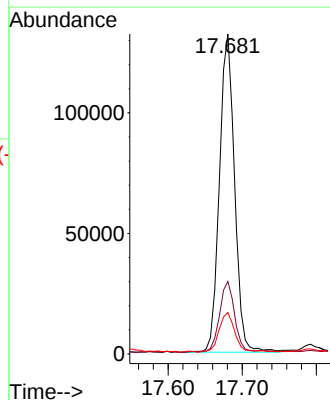
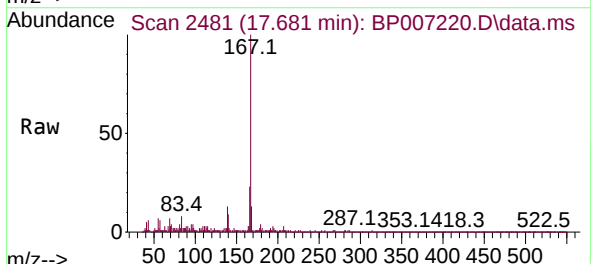
Instrument :
 BNA_P
 ClientSampleId :
 TP-2DL

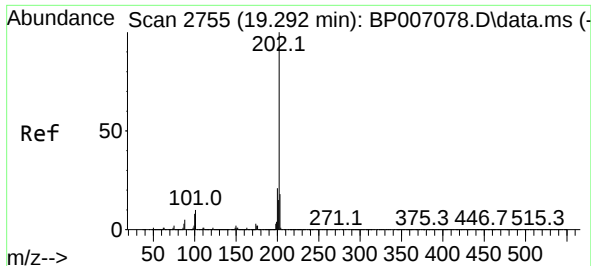
Tgt Ion:178 Resp: 489495
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.9 22.3
 179 15.2 12.2 18.2



#73
 Carbazole
 Concen: 3.617 ng
 RT: 17.681 min Scan# 2481
 Delta R.T. -0.000 min
 Lab File: BP007220.D
 Acq: 27 Sep 2021 23:31

Tgt Ion:167 Resp: 187687
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.1 25.7
 139 13.0 10.7 16.1

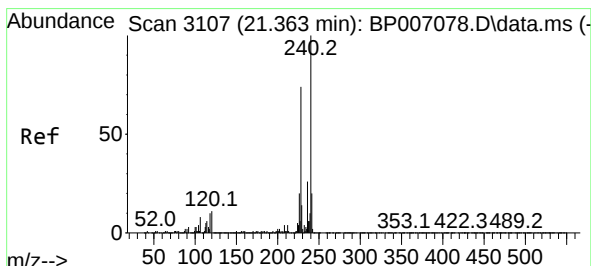
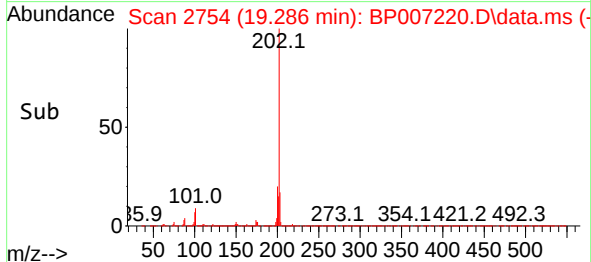
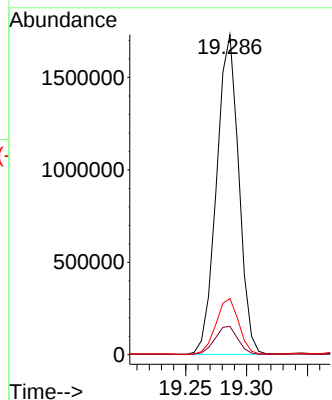
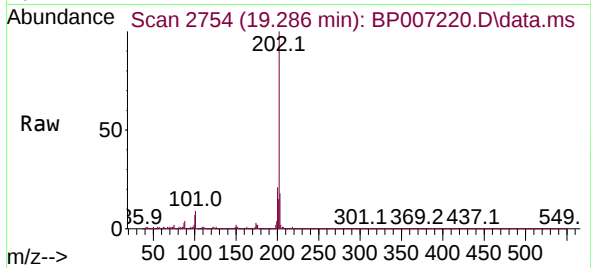




#75
Fluoranthene
Concen: 35.271 ng
RT: 19.286 min Scan# 2754
Delta R.T. 0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

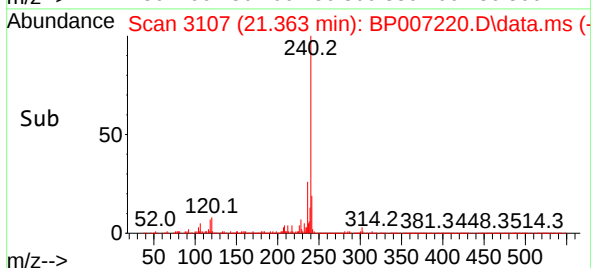
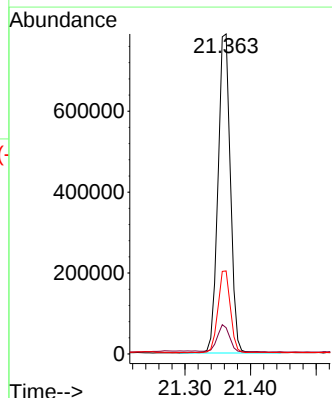
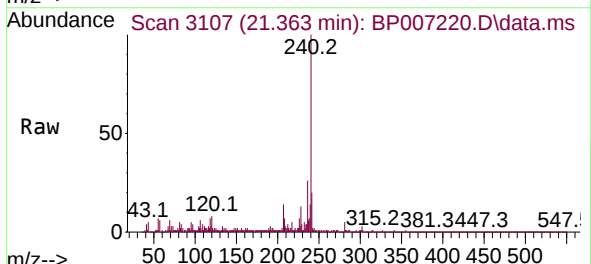
Instrument :
BNA_P
ClientSampleId :
TP-2DL

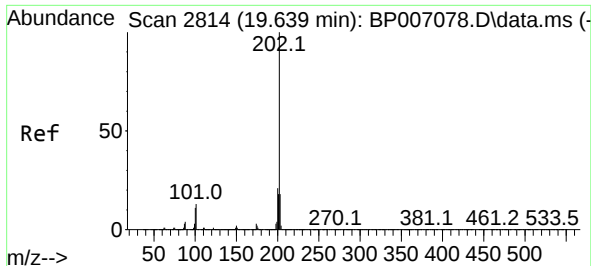
Tgt Ion:202 Resp: 2199591
Ion Ratio Lower Upper
202 100
101 8.8 0.0 27.6
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.363 min Scan# 3107
Delta R.T. 0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:240 Resp: 1029325
Ion Ratio Lower Upper
240 100
120 8.2 6.5 9.7
236 25.9 20.6 31.0

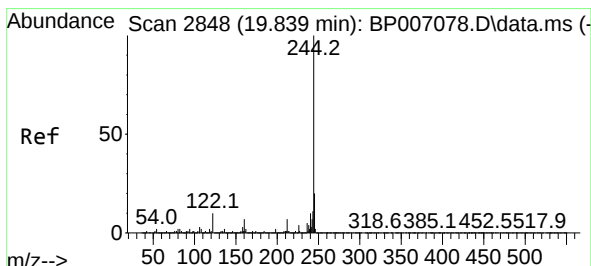
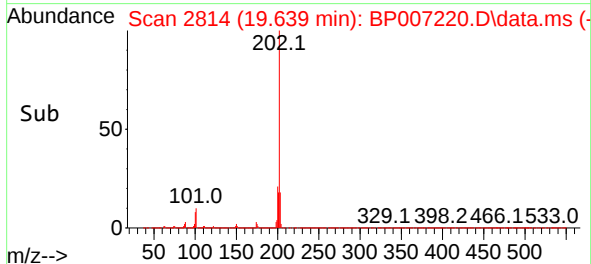
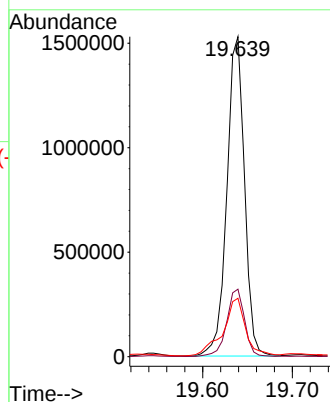
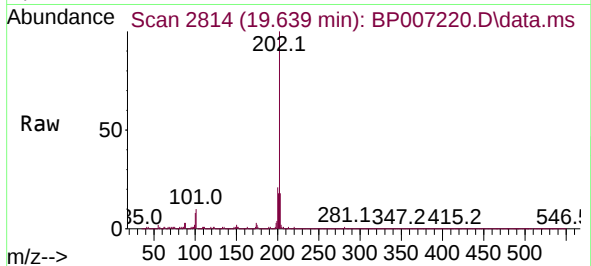




#78
Pyrene
Concen: 30.861 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

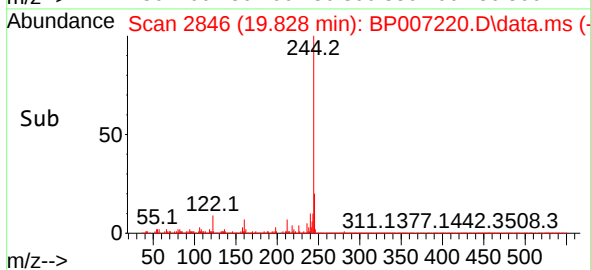
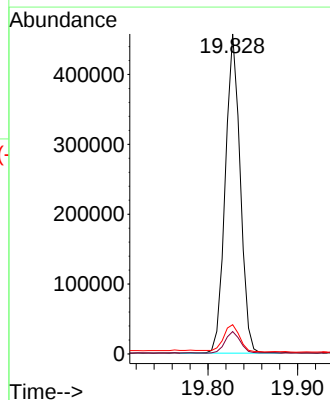
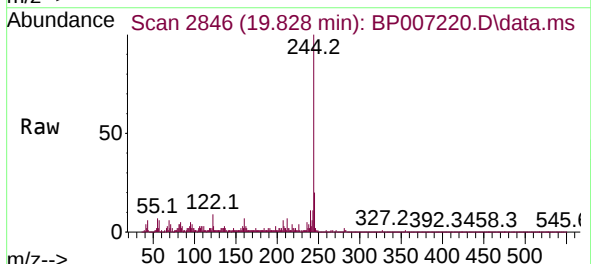
Instrument :
BNA_P
ClientSampleId :
TP-2DL

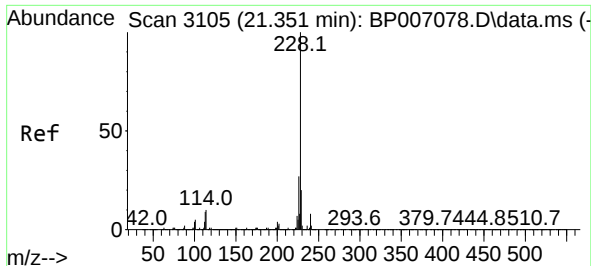
Tgt Ion:202 Resp: 2084121
Ion Ratio Lower Upper
202 100
200 21.1 16.3 24.5
203 18.3 14.2 21.2



#79
Terphenyl-d14
Concen: 9.819 ng
RT: 19.828 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:244 Resp: 527413
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.1 7.1 10.7

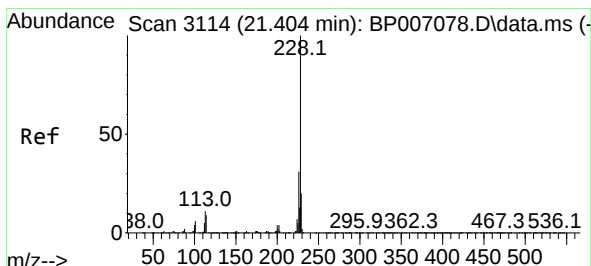
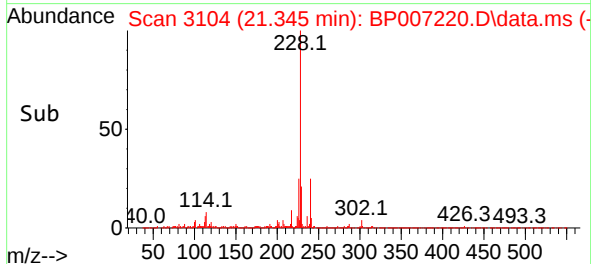
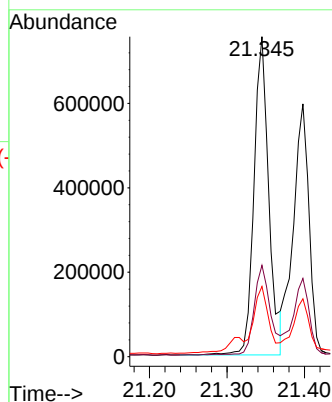
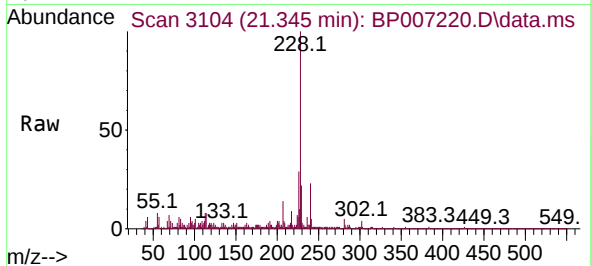




#81
Benzo(a)anthracene
Concen: 14.981 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

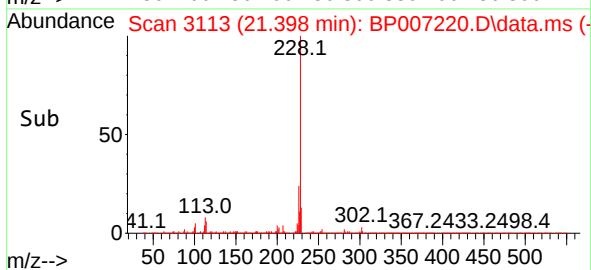
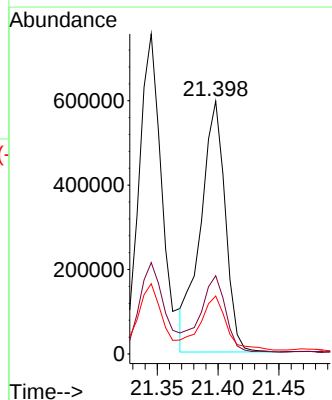
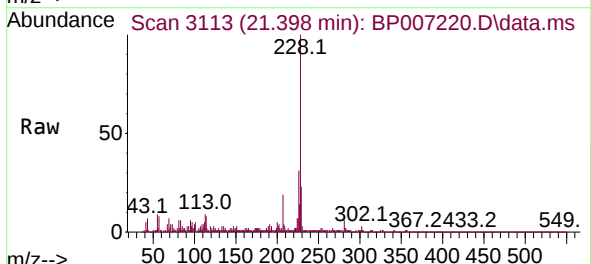
Instrument :
BNA_P
ClientSampleId :
TP-2DL

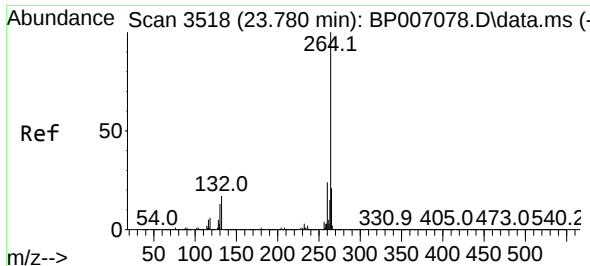
Tgt Ion:228 Resp: 1000927
Ion Ratio Lower Upper
228 100
226 28.5 21.6 32.4
229 21.9 15.8 23.6



#83
Chrysene
Concen: 13.177 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:228 Resp: 841437
Ion Ratio Lower Upper
228 100
226 31.0 23.8 35.6
229 22.9 15.4 23.2

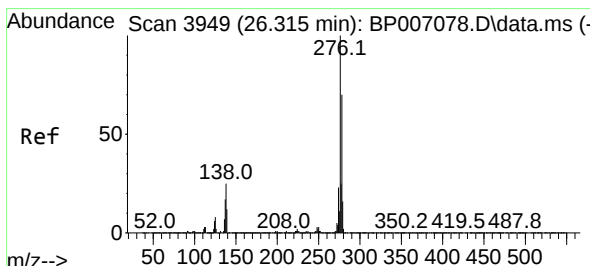
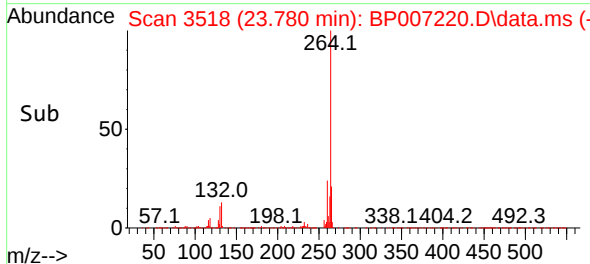
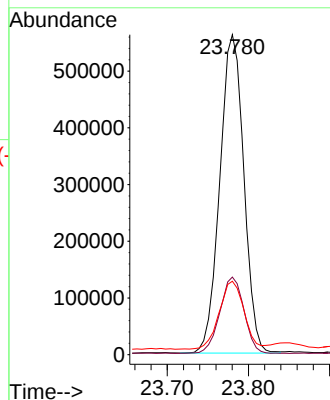
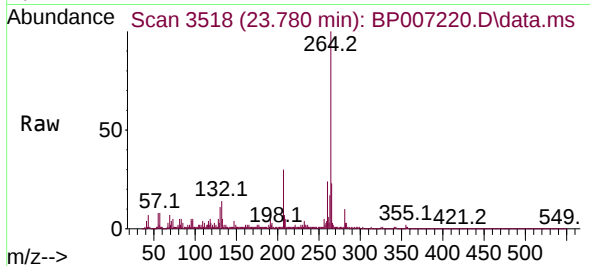




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.780 min Scan# 3518
Delta R.T. 0.012 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

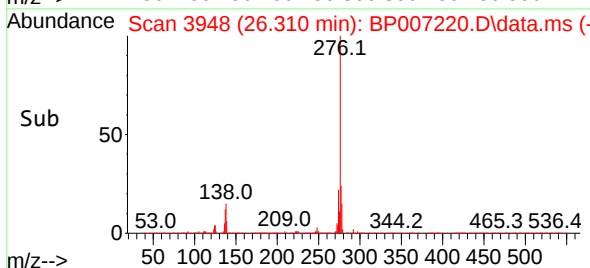
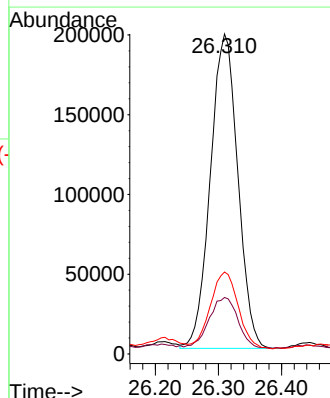
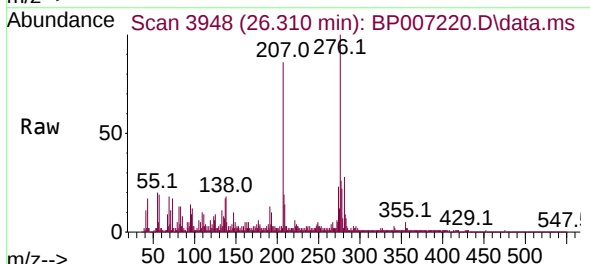
Instrument :
BNA_P
ClientSampleId :
TP-2DL

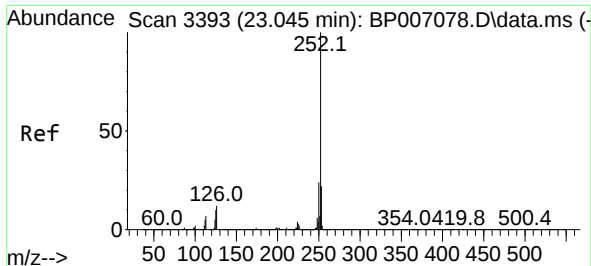
Tgt Ion:264 Resp: 1154222
Ion Ratio Lower Upper
264 100
260 24.2 18.6 28.0
265 22.9 17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.178 ng
RT: 26.310 min Scan# 3948
Delta R.T. 0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:276 Resp: 595413
Ion Ratio Lower Upper
276 100
138 17.3 15.3 22.9
277 25.0 20.4 30.6

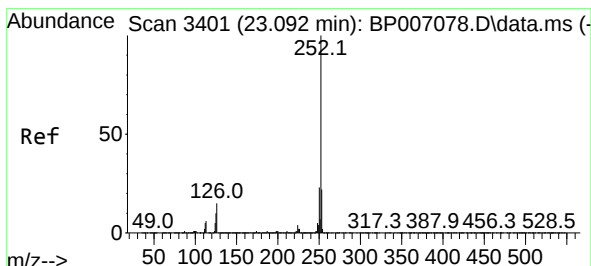
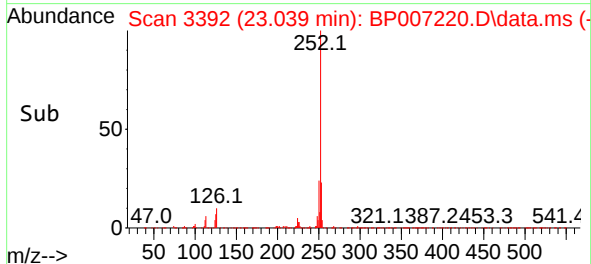
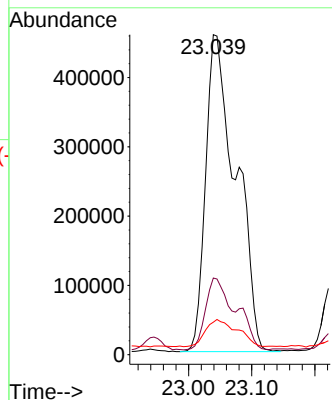
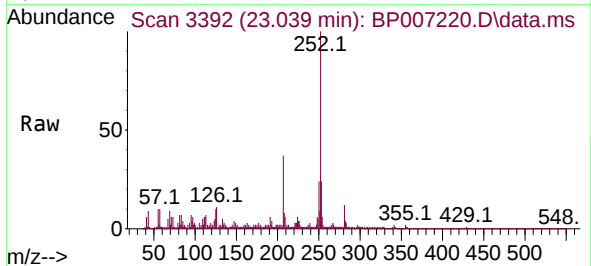




#88
Benzo(b)fluoranthene
Concen: 22.053 ng
RT: 23.039 min Scan# 3392
Delta R.T. 0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

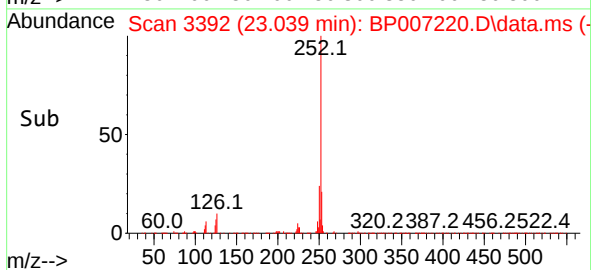
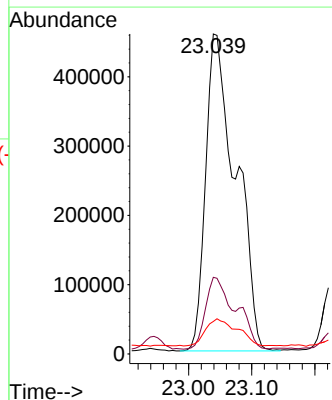
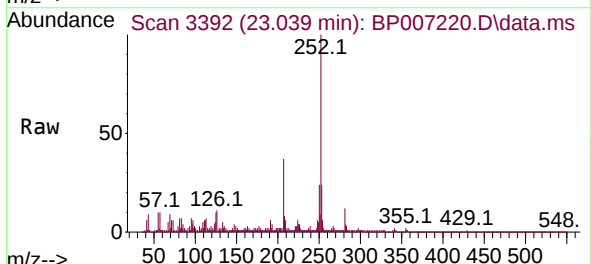
Instrument :
BNA_P
ClientSampleId :
TP-2DL

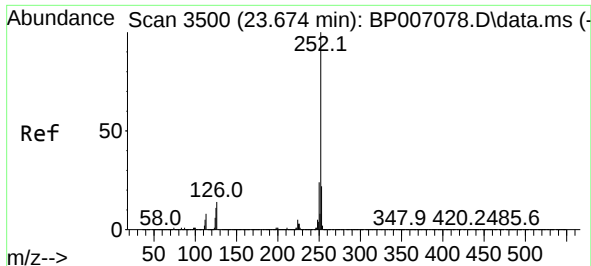
Tgt Ion:252 Resp: 1521171
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 10.2 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 21.781 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.047 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:252 Resp: 1521171
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 10.2 6.0 9.0#

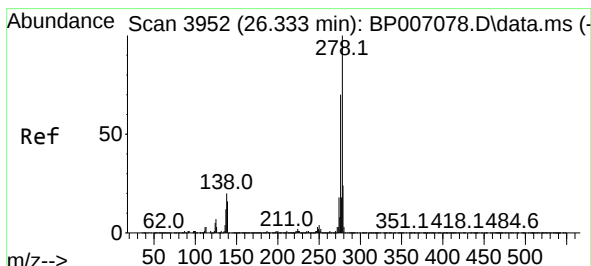
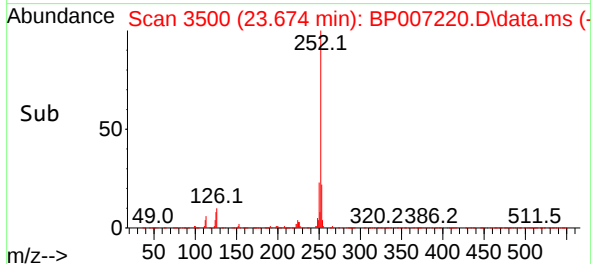
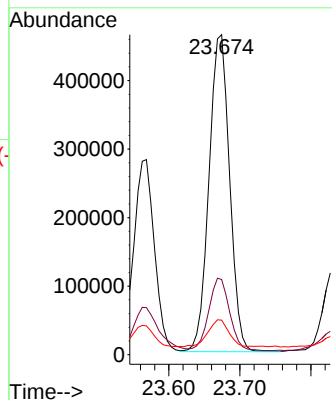
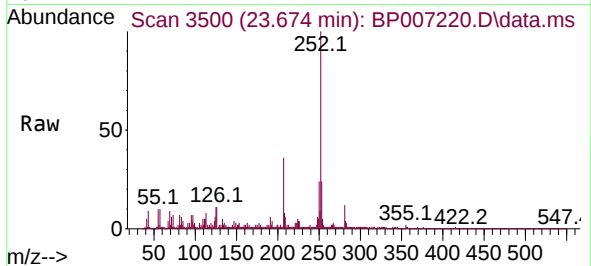




#90
Benzo(a)pyrene
Concen: 15.934 ng
RT: 23.674 min Scan# 3500
Delta R.T. 0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

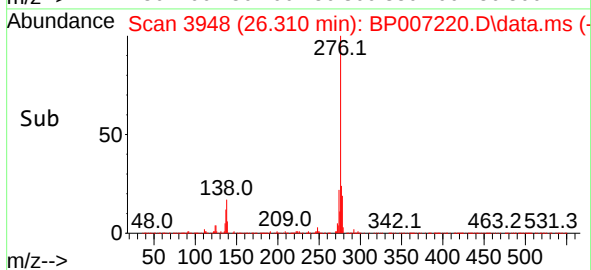
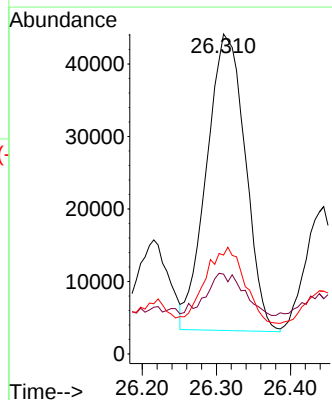
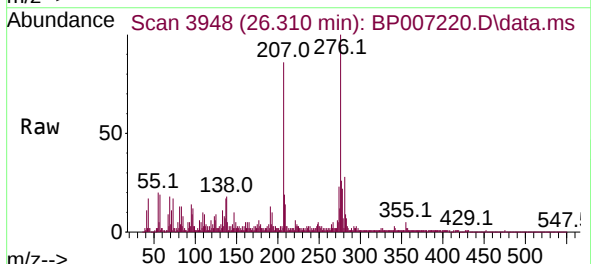
Instrument :
BNA_P
ClientSampled :
TP-2DL

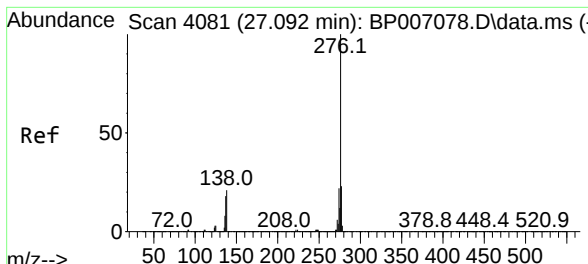
Tgt Ion:252 Resp: 933802
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 10.8 6.5 9.7#



#91
Dibenzo(a,h)anthracene
Concen: 2.136 ng
RT: 26.310 min Scan# 3948
Delta R.T. -0.006 min
Lab File: BP007220.D
Acq: 27 Sep 2021 23:31

Tgt Ion:278 Resp: 148458
Ion Ratio Lower Upper
278 100
139 25.0 9.3 13.9#
279 30.9 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 8.836 ng
 RT: 27.092 min Scan# 4081
 Delta R.T. 0.018 min
 Lab File: BP007220.D
 Acq: 27 Sep 2021 23:31

Instrument :
 BNA_P
 ClientSampleId :
 TP-2DL

Tgt Ion:	276	Resp:	599419
Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.9	28.3
138	17.5	12.6	18.8

