

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
 Data File : BP007221.D
 Acq On : 28 Sep 2021 00:05
 Operator : CG/JU
 Sample : M3934-01DL 4X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-5DL

Quant Time: Sep 28 02:53:34 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)

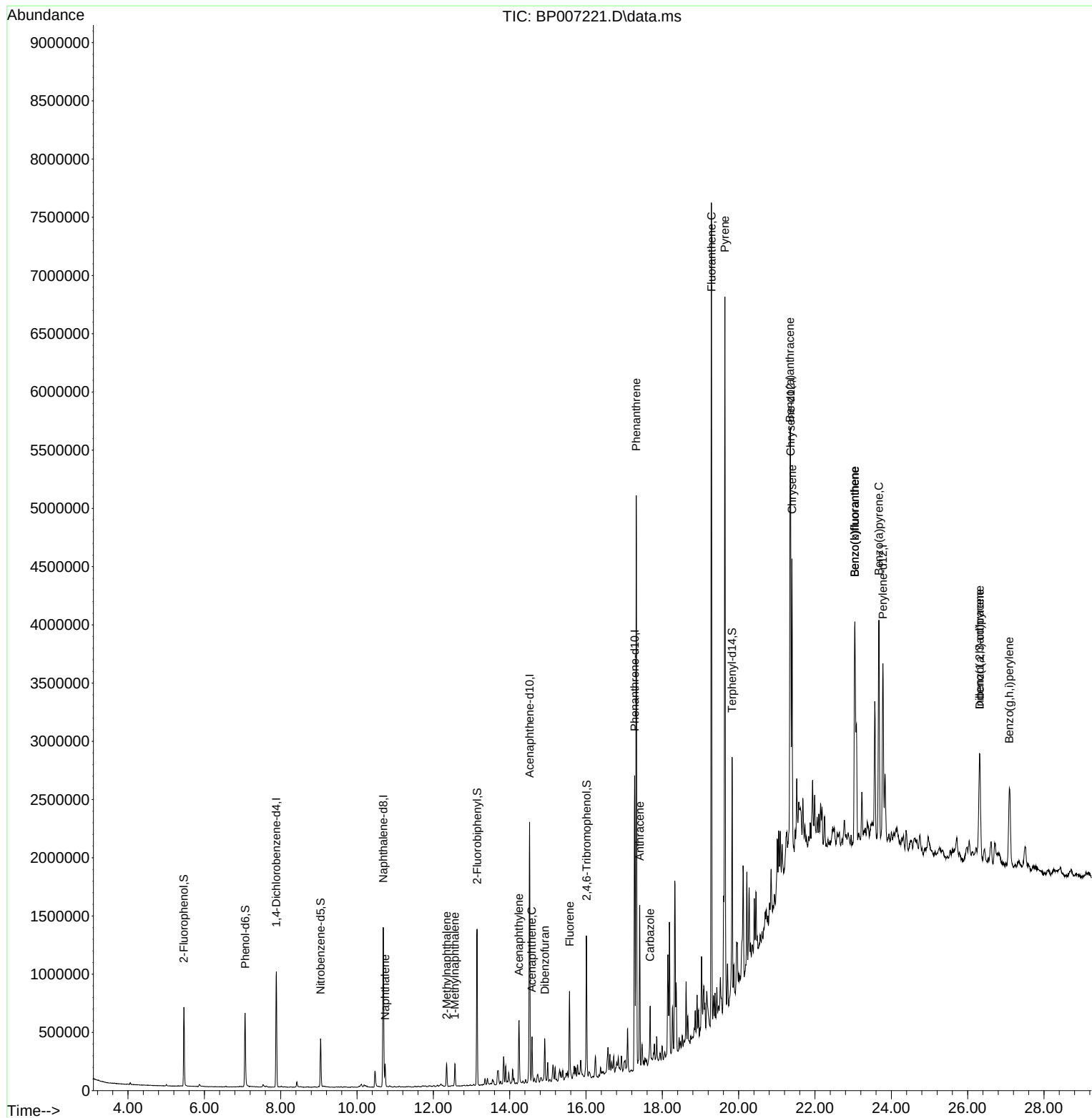
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	291455	20.000	ng	0.00
21) Naphthalene-d8	10.687	136	1177911	20.000	ng	# 0.00
39) Acenaphthene-d10	14.522	164	787813	20.000	ng	0.00
64) Phenanthrene-d10	17.275	188	1589842	20.000	ng	0.00
76) Chrysene-d12	21.363	240	1172466	20.000	ng	0.00
86) Perylene-d12	23.780	264	1243843	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	332714	19.109	ng	0.00
7) Phenol-d6	7.069	99	419527	17.629	ng	0.00
23) Nitrobenzene-d5	9.046	82	252273	12.472	ng	-0.01
42) 2,4,6-Tribromophenol	16.016	330	231708	22.686	ng	0.00
45) 2-Fluorobiphenyl	13.145	172	718594	13.068	ng	0.00
79) Terphenyl-d14	19.827	244	938267	15.335	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.740	128	159745	2.657	ng	98
37) 2-Methylnaphthalene	12.345	142	97357	2.313	ng	95
38) 1-Methylnaphthalene	12.563	142	94161	2.289	ng	99
49) Acenaphthylene	14.245	152	409374	5.855	ng	99
52) Acenaphthene	14.581	154	146952	3.469	ng	100
55) Dibenzofuran	14.922	168	161020	2.278	ng	# 94
58) Fluorene	15.569	166	343455	6.291	ng	99
71) Phenanthrene	17.316	178	3083282	36.169	ng	99
72) Anthracene	17.410	178	914058	10.961	ng	99
73) Carbazole	17.680	167	303093	3.709	ng	98
75) Fluoranthene	19.286	202	4182439	42.585	ng	98
78) Pyrene	19.639	202	3804341	49.456	ng	98
81) Benzo(a)anthracene	21.345	228	1643663	21.598	ng	96
83) Chrysene	21.398	228	1453321	19.981	ng	96
87) Indeno(1,2,3-cd)pyrene	26.315	276	1015886	11.365	ng	97
88) Benzo(b)fluoranthene	23.045	252	1971542	26.523	ng	98
89) Benzo(k)fluoranthene	23.045	252	1971542	26.196	ng	# 98
90) Benzo(a)pyrene	23.674	252	1510840	23.923	ng	# 98
91) Dibenzo(a,h)anthracene	26.315	278	251695	3.360	ng	# 82
92) Benzo(g,h,i)perylene	27.092	276	1001915	13.705	ng	97

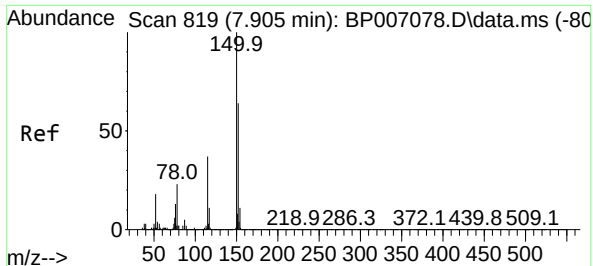
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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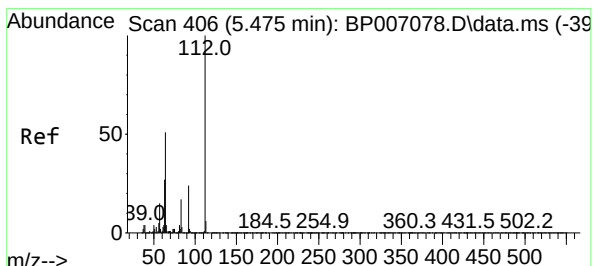
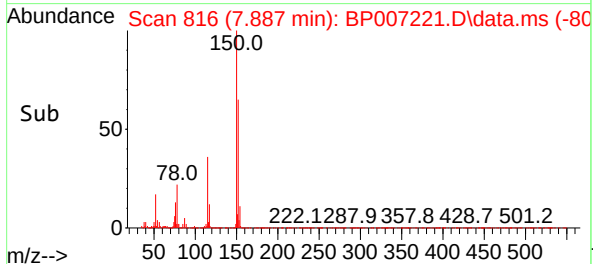
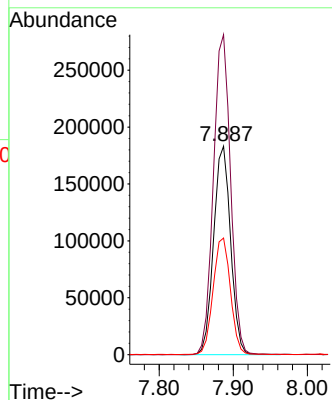
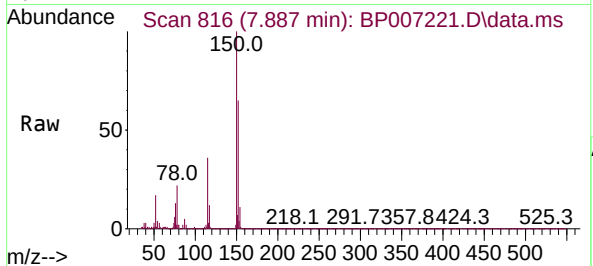




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

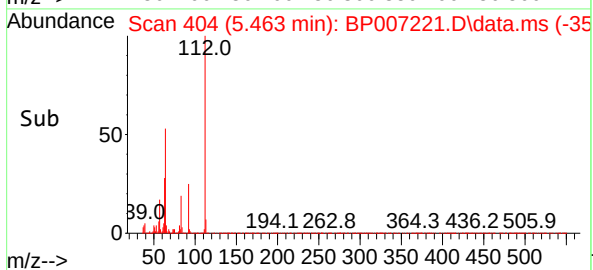
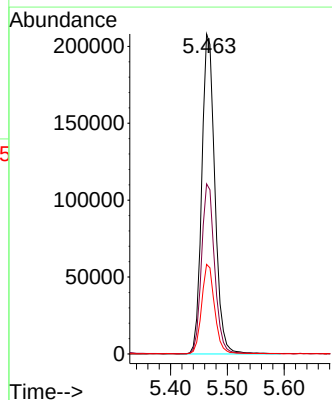
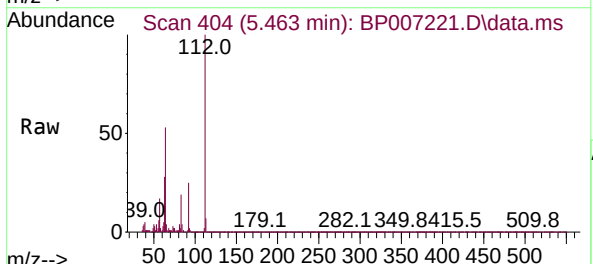
Instrument :
BNA_P
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TP-5DL

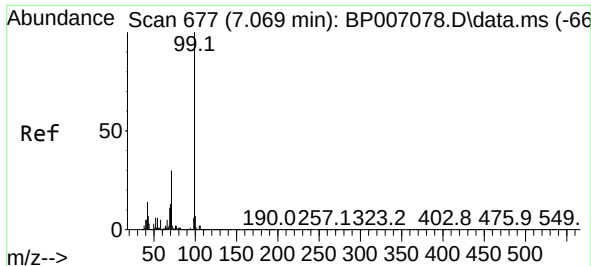
Tgt Ion:152 Resp: 291455
Ion Ratio Lower Upper
152 100
150 153.5 125.6 188.4
115 56.0 48.5 72.7



#5
2-Fluorophenol
Concen: 19.109 ng
RT: 5.463 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:112 Resp: 332714
Ion Ratio Lower Upper
112 100
64 53.2 41.4 62.2
63 28.0 23.8 35.8

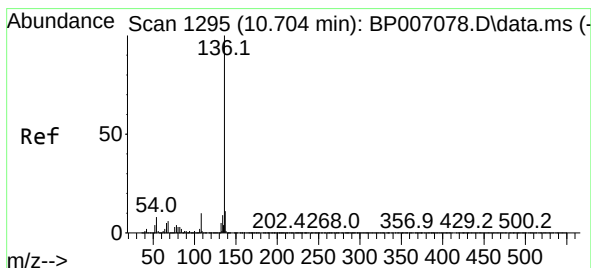
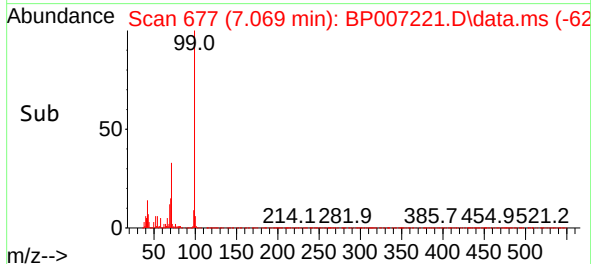
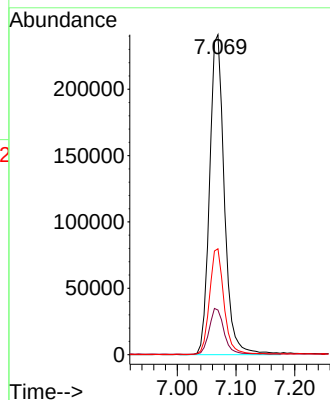
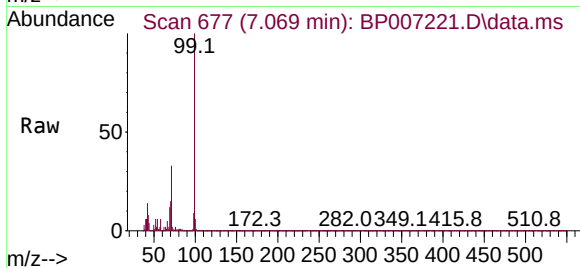




#7
Phenol-d6
Concen: 17.629 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

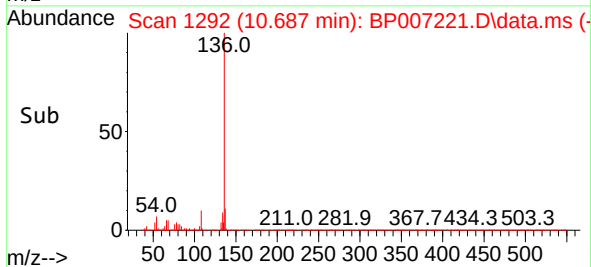
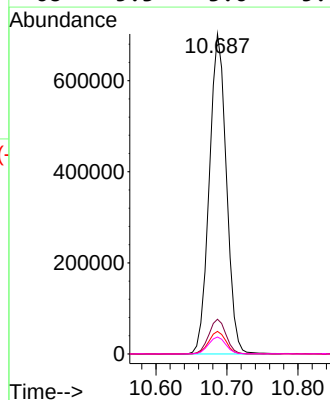
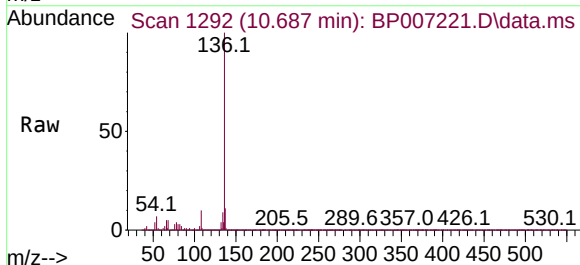
Instrument :
BNA_P
ClientSampleId :
TP-5DL

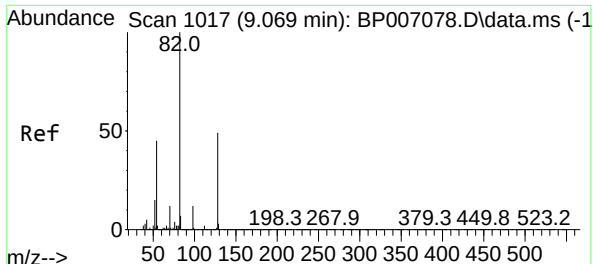
Tgt Ion:	99	Resp:	419527
Ion	Ratio	Lower	Upper
99	100		
42	14.0	13.4	20.0
71	33.1	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.687 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:	136	Resp:	1177911
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	7.0	4.6	6.8#
68	5.3	3.6	5.4

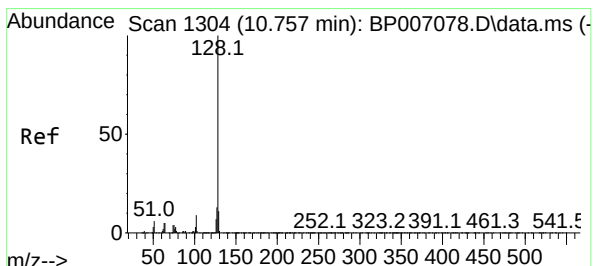
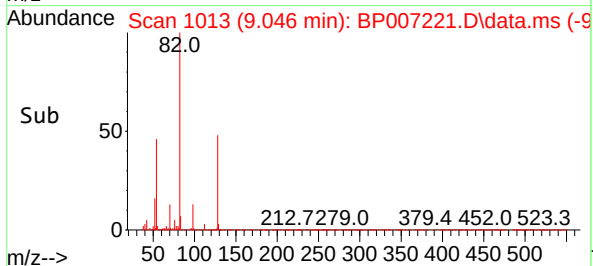
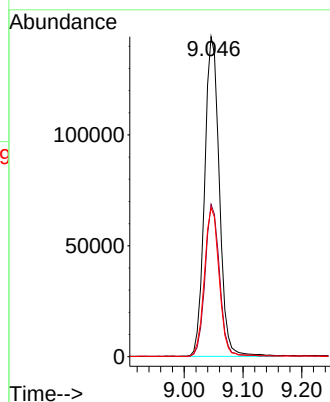
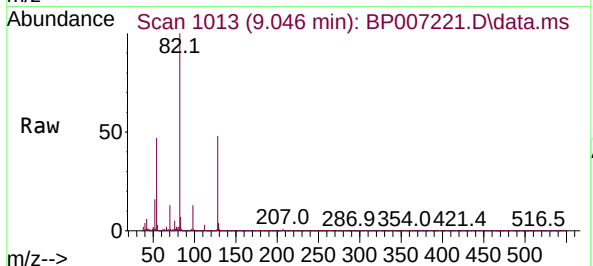




#23
Nitrobenzene-d5
Concen: 12.472 ng
RT: 9.046 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

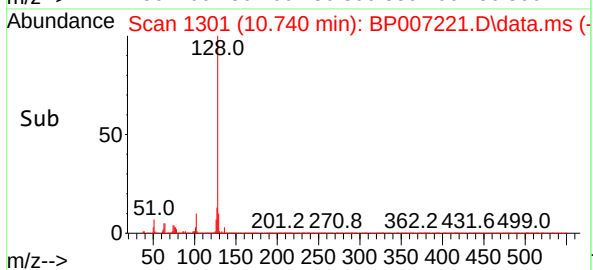
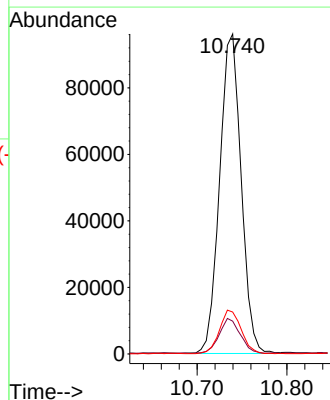
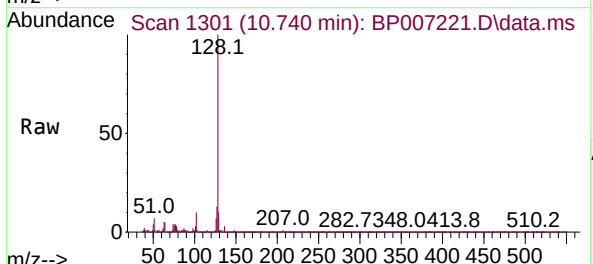
Instrument :
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ClientSampleId :
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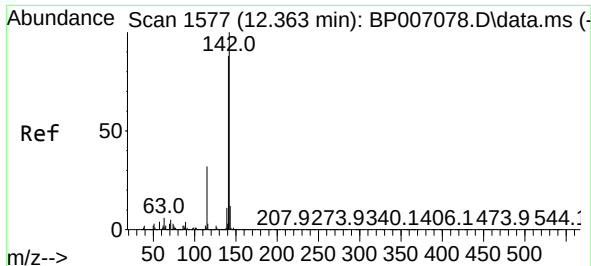
Tgt Ion: 82 Resp: 252273
Ion Ratio Lower Upper
82 100
128 47.6 35.7 53.5
54 46.5 35.0 52.4



#31
Naphthalene
Concen: 2.657 ng
RT: 10.740 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion: 128 Resp: 159745
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.6
127 13.1 10.7 16.1

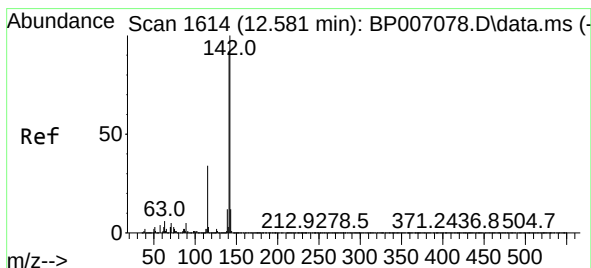
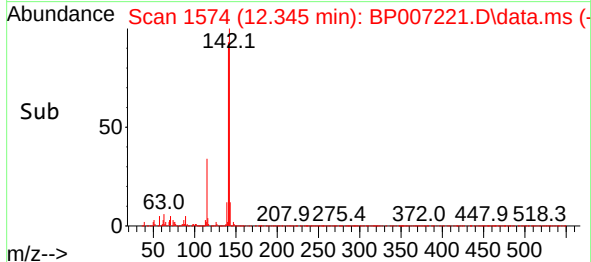
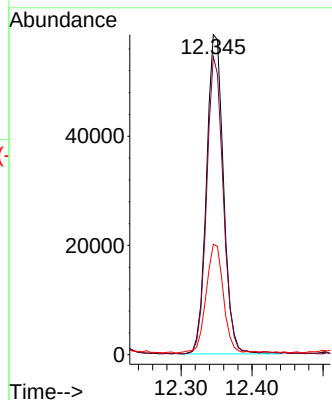
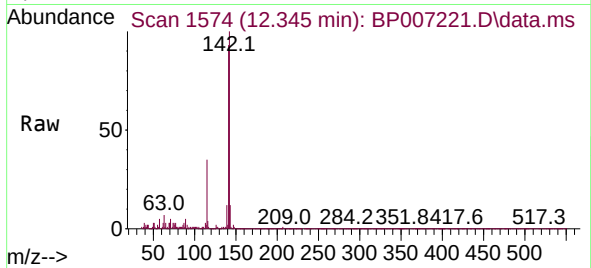




#37
2-Methylnaphthalene
Concen: 2.313 ng
RT: 12.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

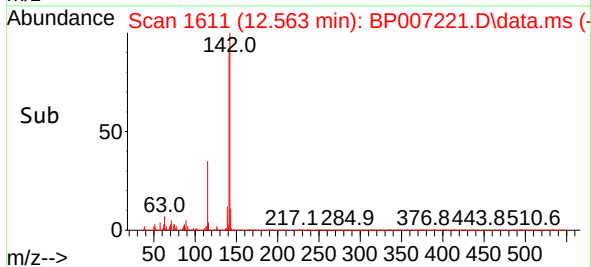
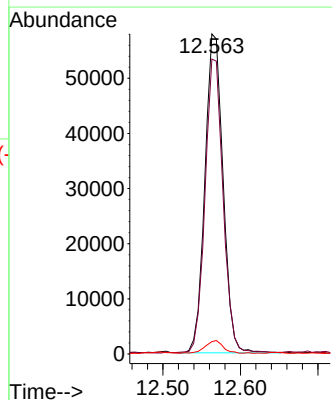
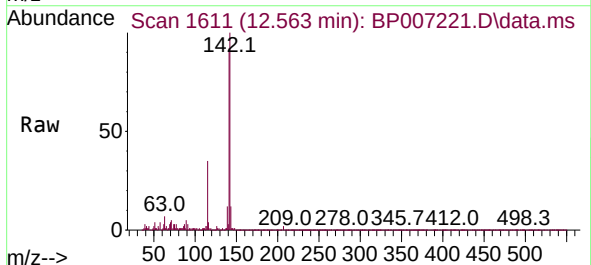
Instrument :
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ClientSampleId :
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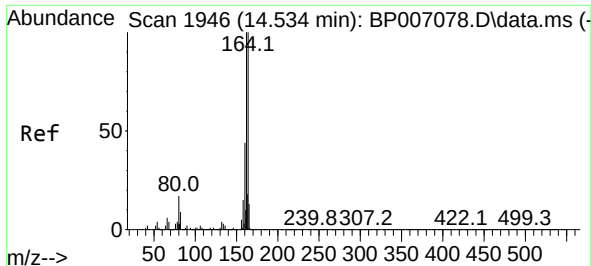
Tgt Ion:	142	Resp:	97357
Ion Ratio	Lower	Upper	
142	100		
141	93.1	71.8	107.6
115	34.5	31.6	47.4



#38
1-Methylnaphthalene
Concen: 2.289 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.012 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:	142	Resp:	94161
Ion Ratio	Lower	Upper	
142	100		
141	92.1	73.3	109.9
116	3.8	3.5	5.3

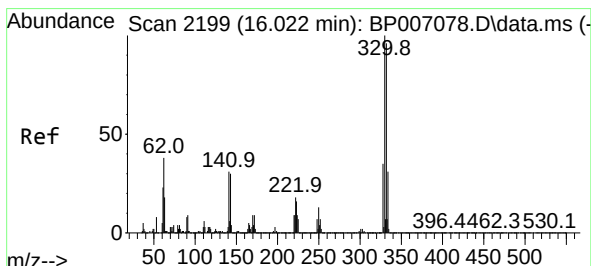
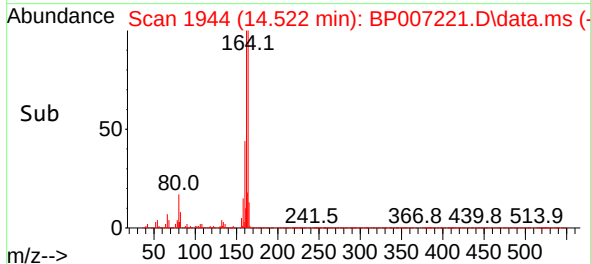
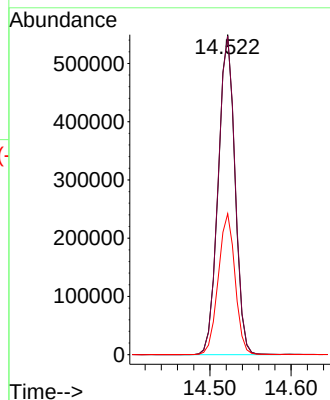
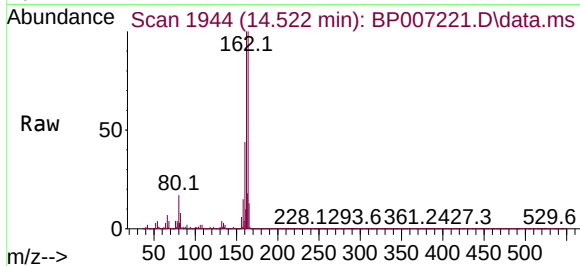




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

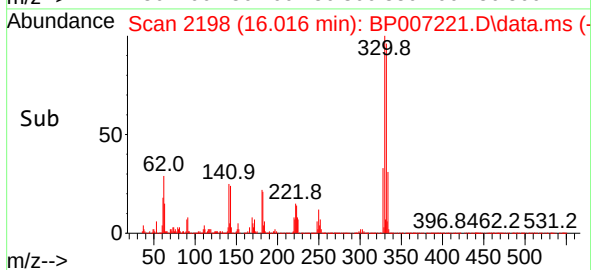
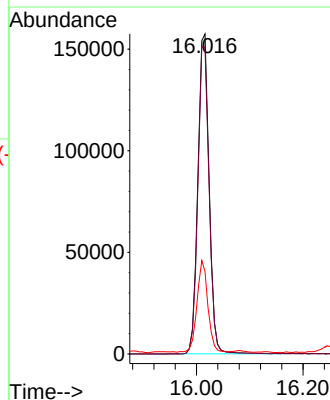
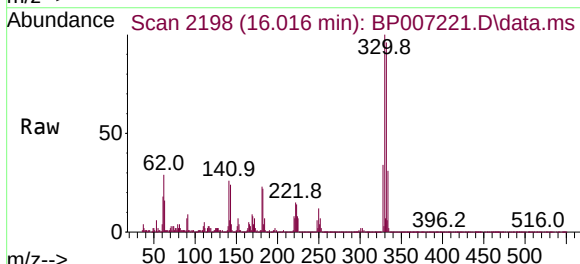
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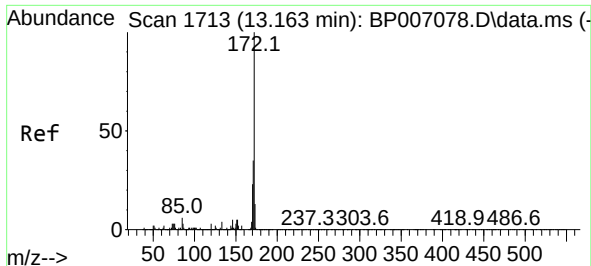
Tgt Ion:164 Resp: 787813
Ion Ratio Lower Upper
164 100
162 99.6 80.2 120.2
160 44.1 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 22.686 ng
RT: 16.016 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:330 Resp: 231708
Ion Ratio Lower Upper
330 100
332 96.3 77.8 116.8
141 27.7 25.4 38.2

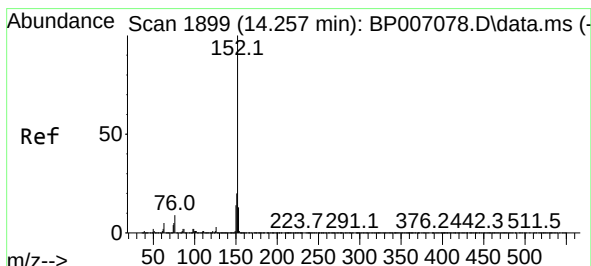
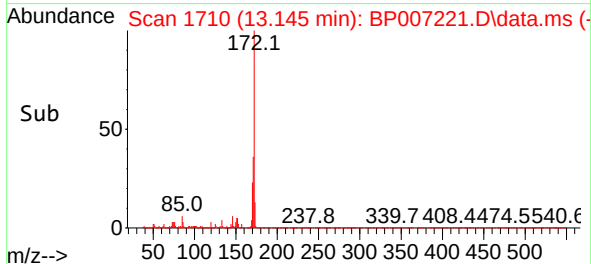
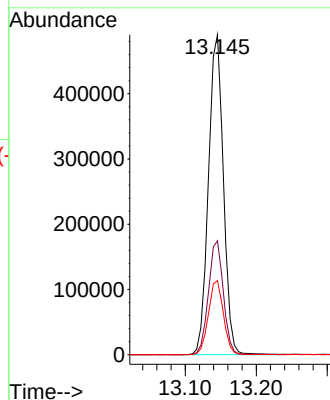
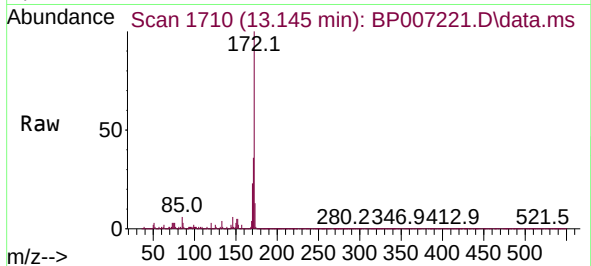




#45
2-Fluorobiphenyl
Concen: 13.068 ng
RT: 13.145 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

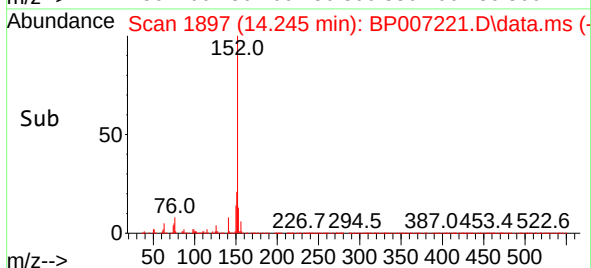
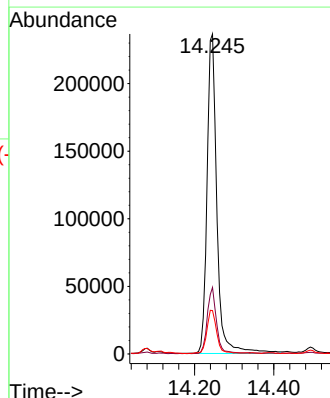
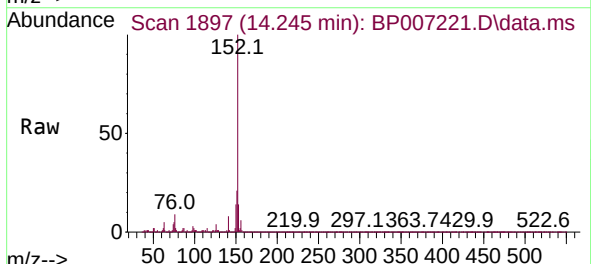
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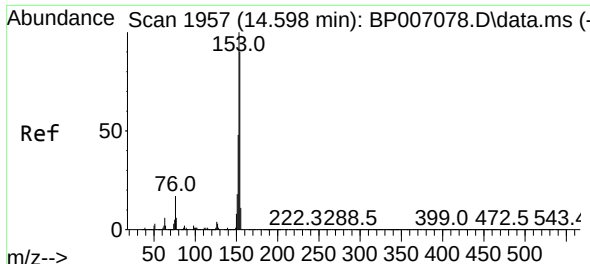
Tgt Ion:172	Resp:	718594
Ion Ratio	Lower	Upper
172	100	
171	35.6	27.9 41.9
170	23.2	18.6 27.8



#49
Acenaphthylene
Concen: 5.855 ng
RT: 14.245 min Scan# 1897
Delta R.T. -0.000 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:152	Resp:	409374
Ion Ratio	Lower	Upper
152	100	
151	20.8	16.2 24.2
153	13.5	10.6 16.0

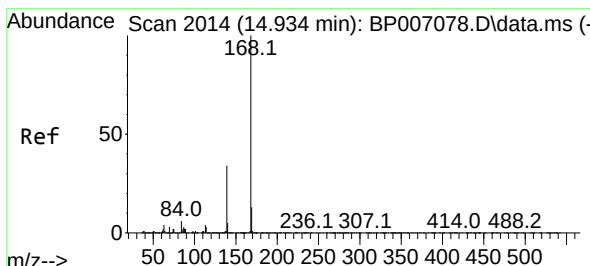
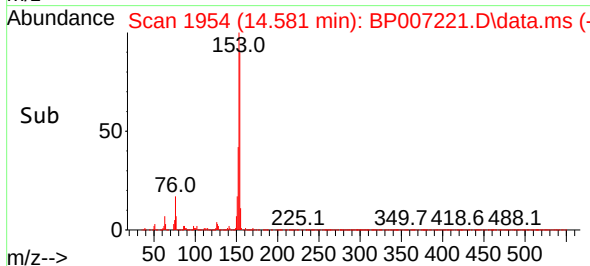
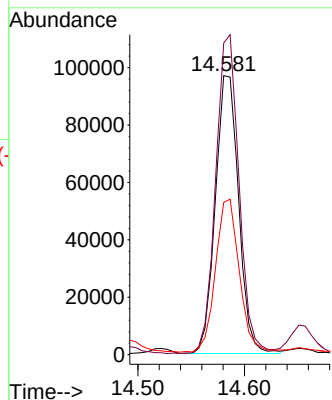
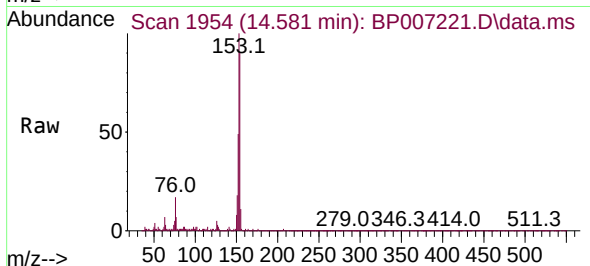




#52
Acenaphthene
Concen: 3.469 ng
RT: 14.581 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

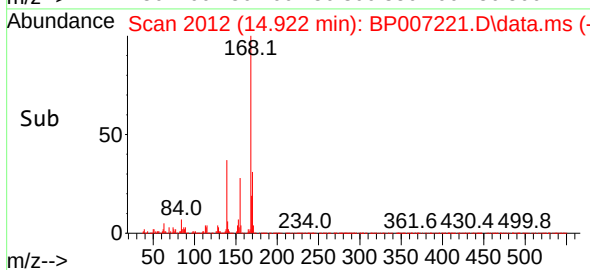
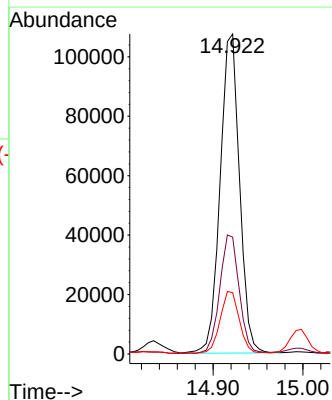
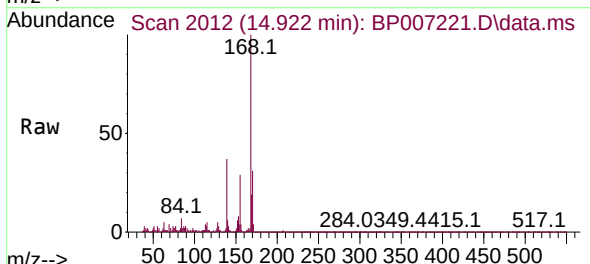
Instrument :
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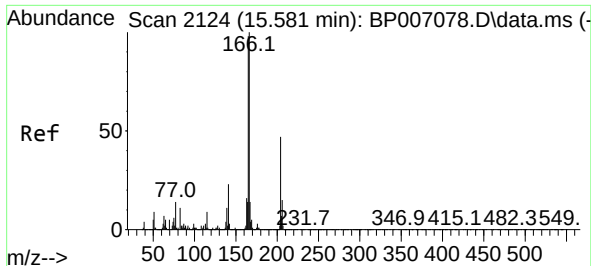
Tgt Ion:154 Resp: 146952
Ion Ratio Lower Upper
154 100
153 111.7 89.4 134.2
152 54.6 43.0 64.4



#55
Dibenzofuran
Concen: 2.278 ng
RT: 14.922 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:168 Resp: 161020
Ion Ratio Lower Upper
168 100
139 36.5 31.0 46.6
169 19.2 10.8 16.2#

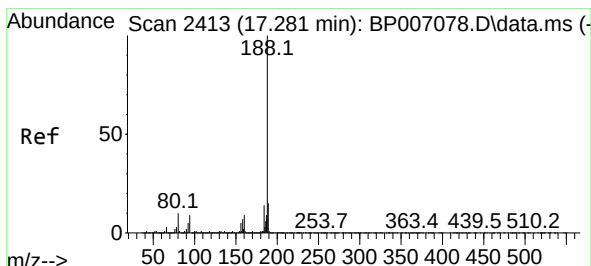
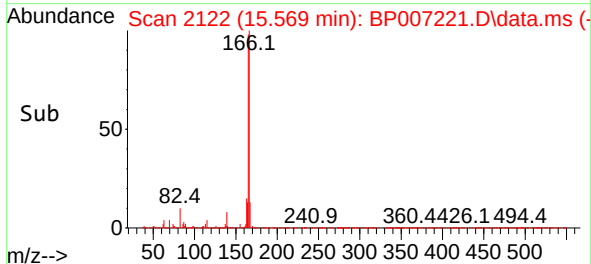
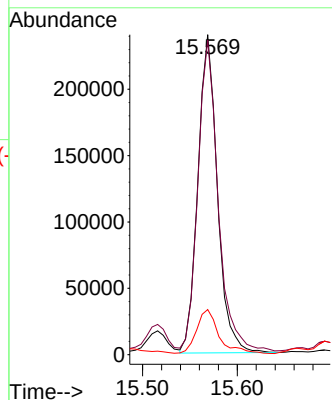
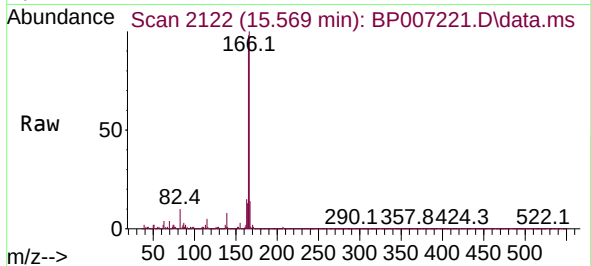




#58
Fluorene
Concen: 6.291 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

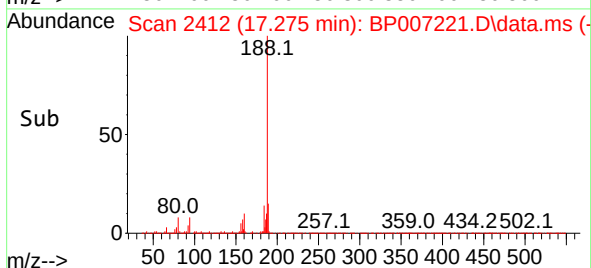
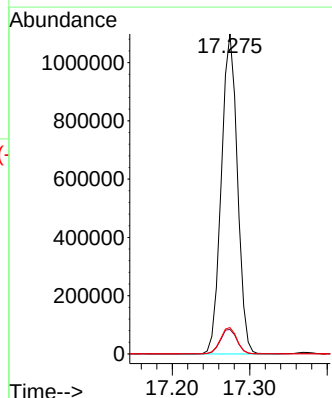
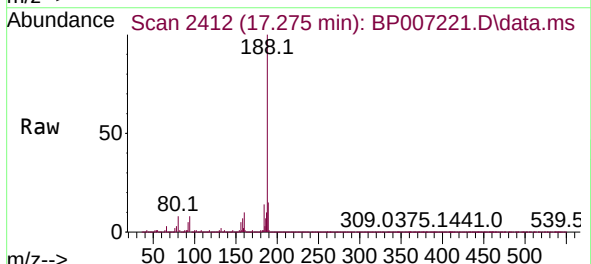
Instrument :
BNA_P
ClientSampleId :
TP-5DL

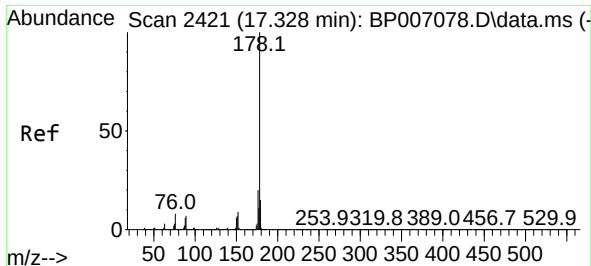
Tgt Ion:166 Resp: 343455
Ion Ratio Lower Upper
166 100
165 98.3 78.0 117.0
167 14.1 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:188 Resp: 1589842
Ion Ratio Lower Upper
188 100
94 7.6 5.6 8.4
80 8.3 6.3 9.5

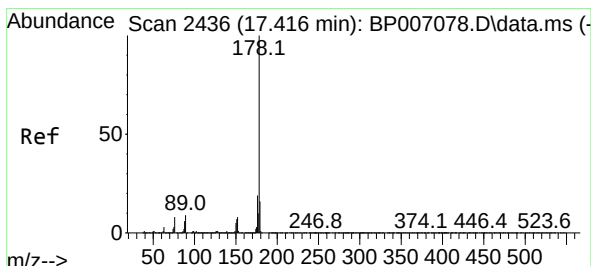
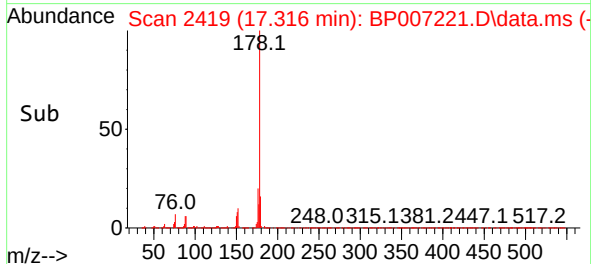
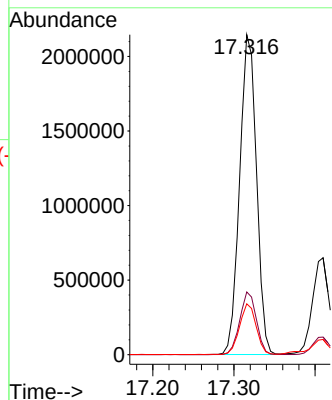
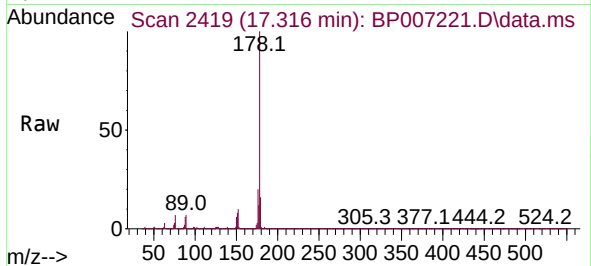




#71
Phenanthrene
Concen: 36.169 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

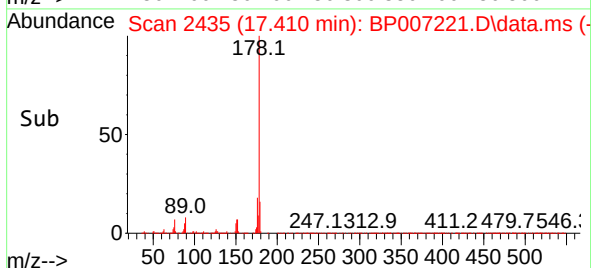
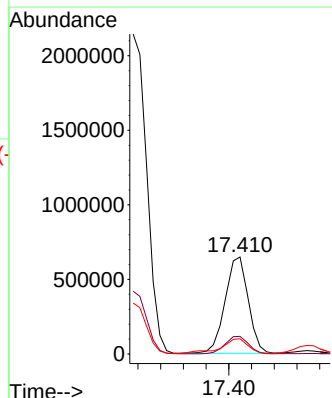
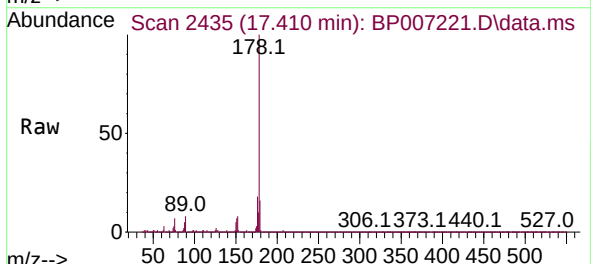
Instrument :
BNA_P
ClientSampleId :
TP-5DL

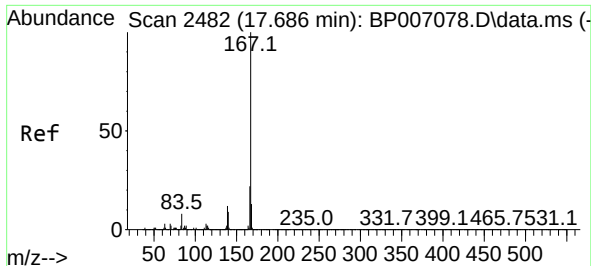
Tgt Ion:178 Resp: 3083282
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 15.9 12.4 18.6



#72
Anthracene
Concen: 10.961 ng
RT: 17.410 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:178 Resp: 914058
Ion Ratio Lower Upper
178 100
176 18.2 14.9 22.3
179 15.7 12.2 18.2

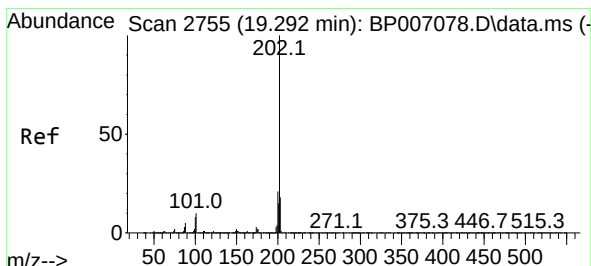
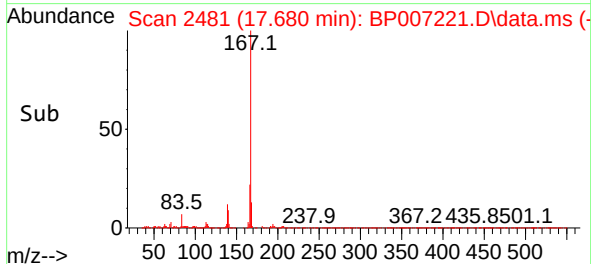
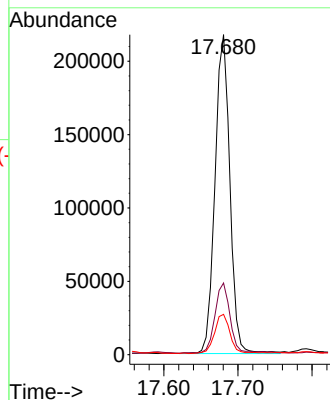
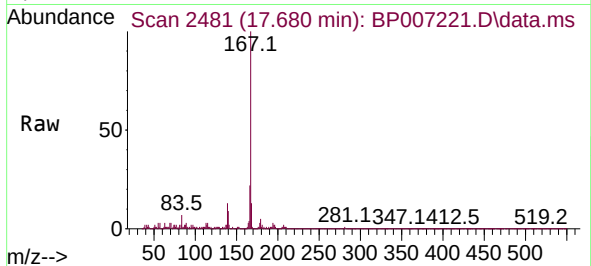




#73
 Carbazole
 Concen: 3.709 ng
 RT: 17.680 min Scan# 2481
 Delta R.T. -0.000 min
 Lab File: BP007221.D
 Acq: 28 Sep 2021 00:05

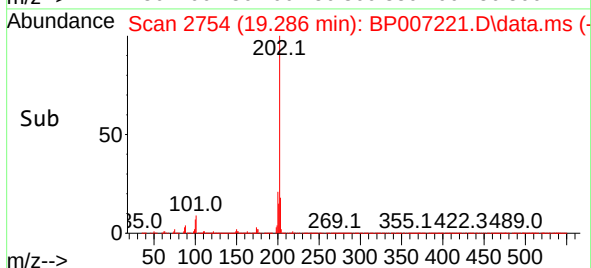
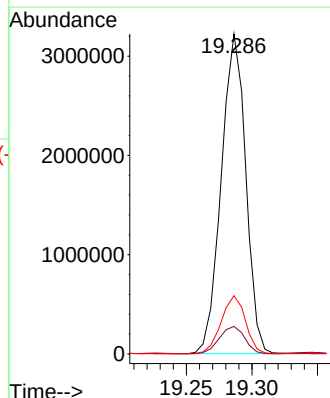
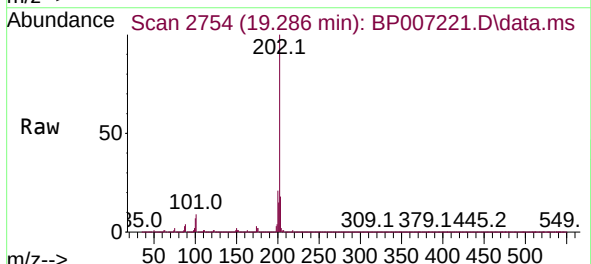
Instrument :
 BNA_P
 ClientSampleId :
 TP-5DL

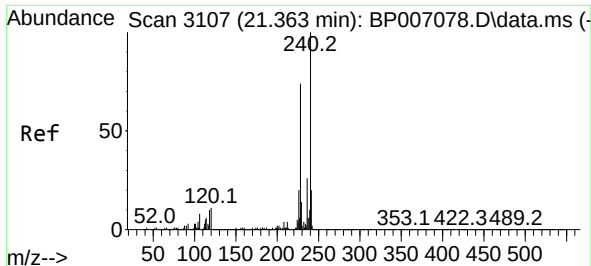
Tgt Ion:167 Resp: 303093
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.1 25.7
 139 12.6 10.7 16.1



#75
 Fluoranthene
 Concen: 42.585 ng
 RT: 19.286 min Scan# 2754
 Delta R.T. 0.006 min
 Lab File: BP007221.D
 Acq: 28 Sep 2021 00:05

Tgt Ion:202 Resp: 4182439
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 27.6
 203 18.2 0.0 37.8

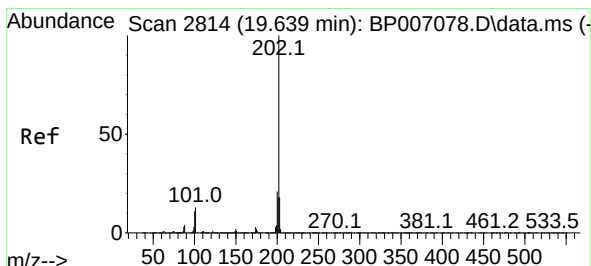
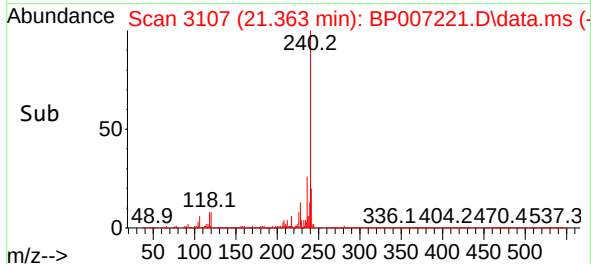
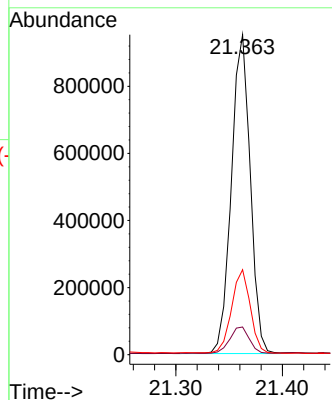
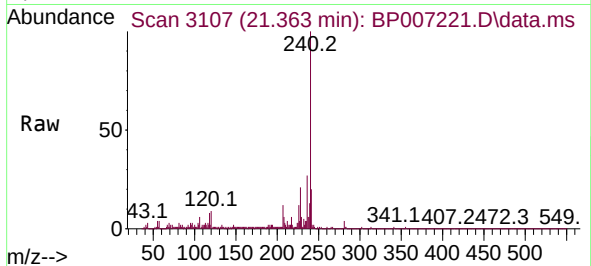




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.363 min Scan# 3107
Delta R.T. 0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

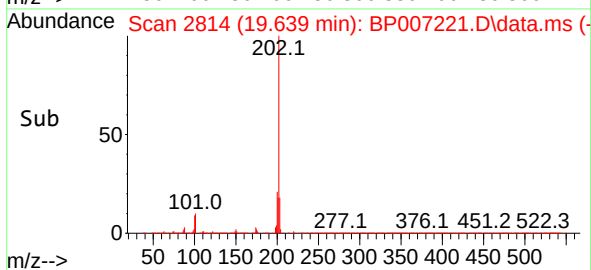
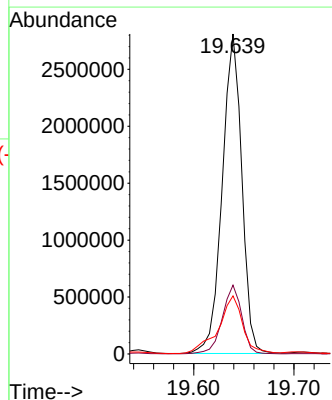
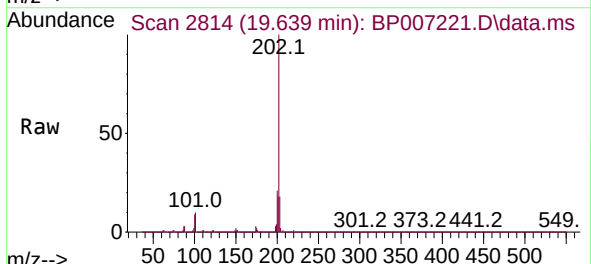
Instrument :
BNA_P
ClientSampleId :
TP-5DL

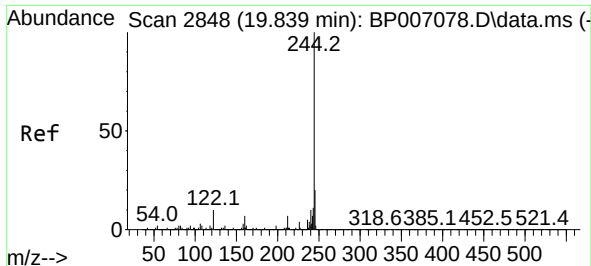
Tgt Ion:240 Resp: 1172466
Ion Ratio Lower Upper
240 100
120 8.6 6.5 9.7
236 26.5 20.6 31.0



#78
Pyrene
Concen: 49.456 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:202 Resp: 3804341
Ion Ratio Lower Upper
202 100
200 21.5 16.3 24.5
203 18.2 14.2 21.2

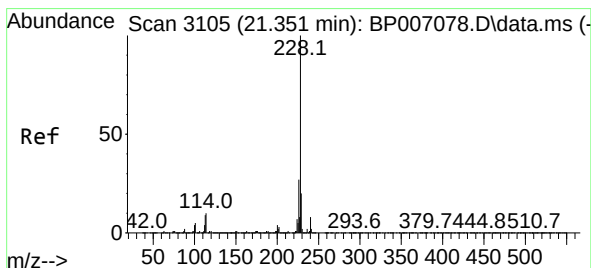
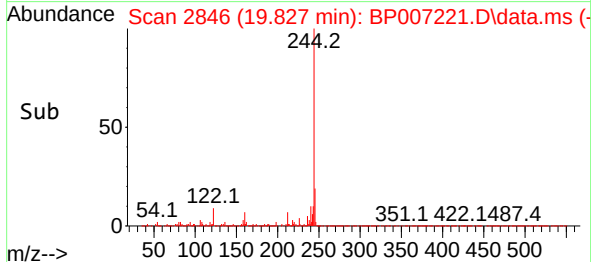
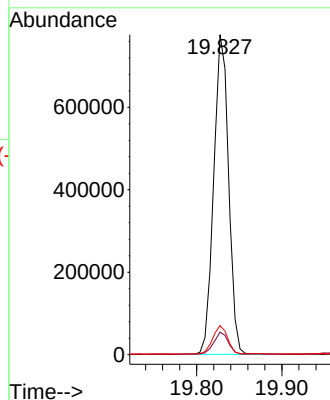
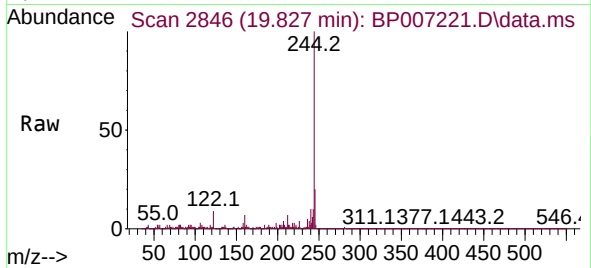




#79
Terphenyl-d14
Concen: 15.335 ng
RT: 19.827 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

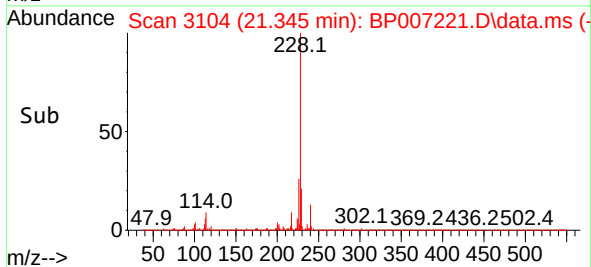
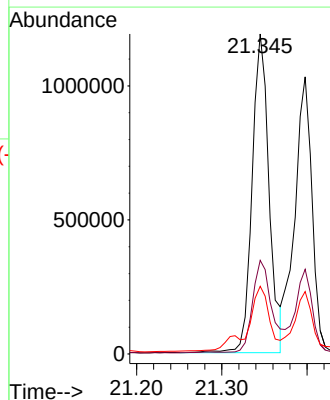
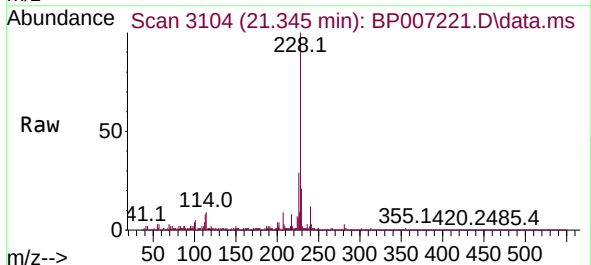
Instrument :
BNA_P
ClientSampleId :
TP-5DL

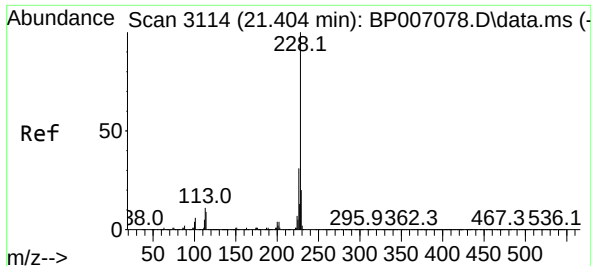
Tgt Ion:244 Resp: 938267
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.1 7.1 10.7



#81
Benzo(a)anthracene
Concen: 21.598 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:228 Resp: 1643663
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 21.2 15.8 23.6

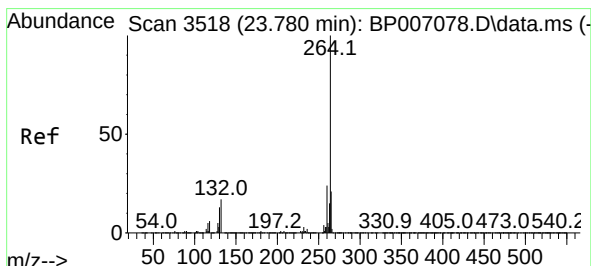
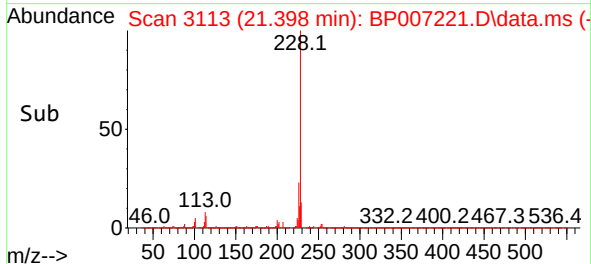
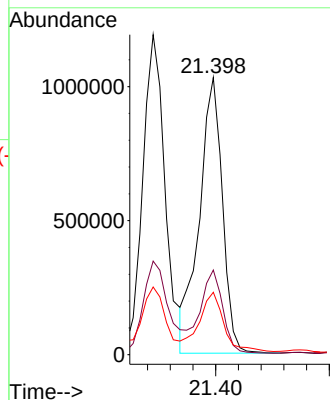
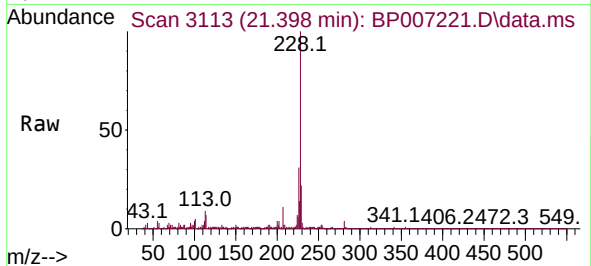




#83
Chrysene
Concen: 19.981 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

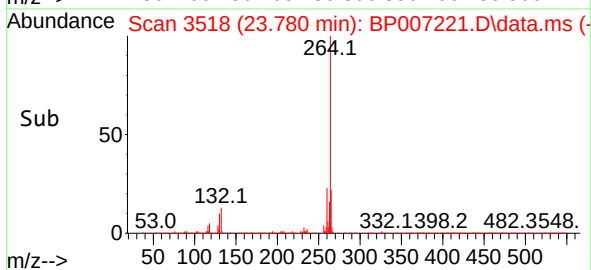
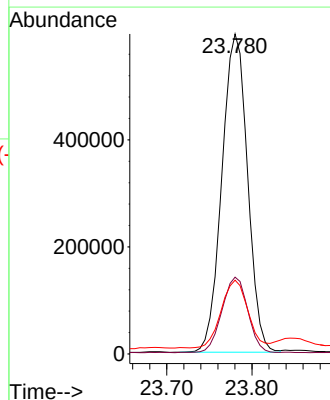
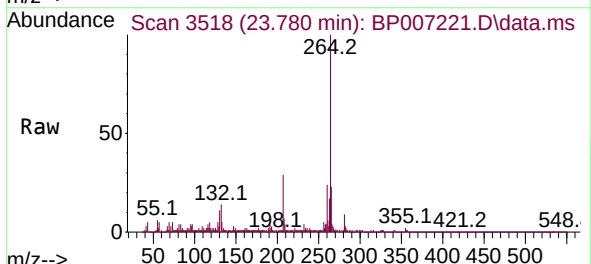
Instrument :
BNA_P
ClientSampleId :
TP-5DL

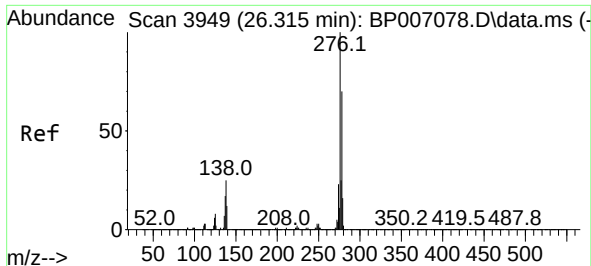
Tgt Ion:228 Resp: 1453321
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.6
229 22.5 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.780 min Scan# 3518
Delta R.T. 0.012 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:264 Resp: 1243843
Ion Ratio Lower Upper
264 100
260 24.0 18.6 28.0
265 23.1 17.6 26.4

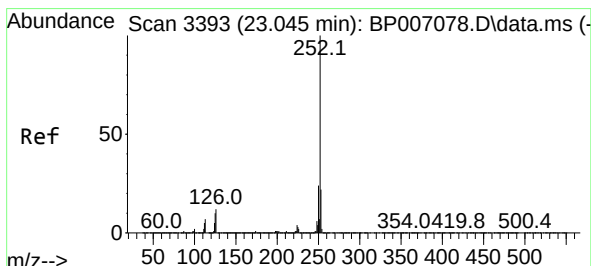
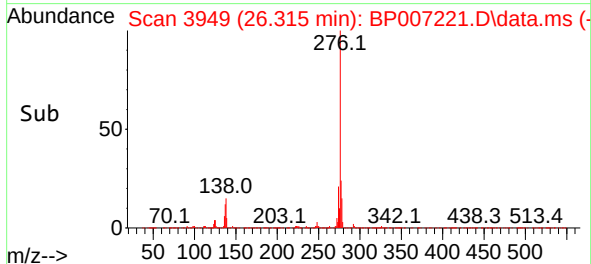
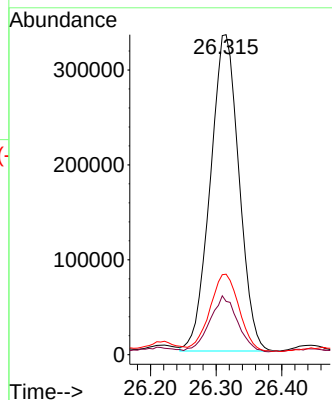
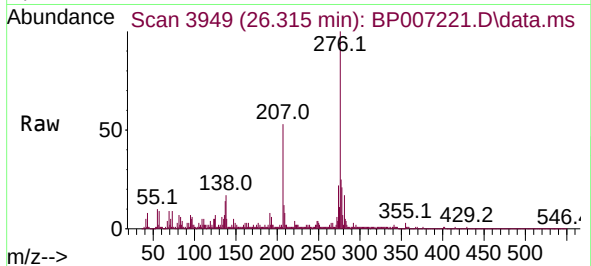




#87
Indeno(1,2,3-cd)pyrene
Concen: 11.365 ng
RT: 26.315 min Scan# 3949
Delta R.T. 0.012 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

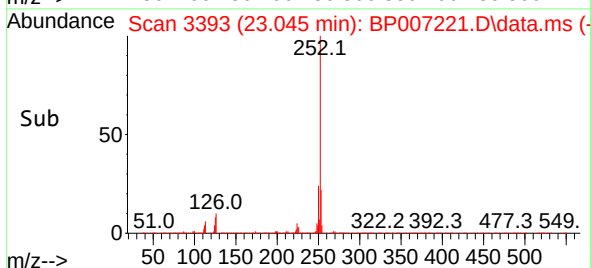
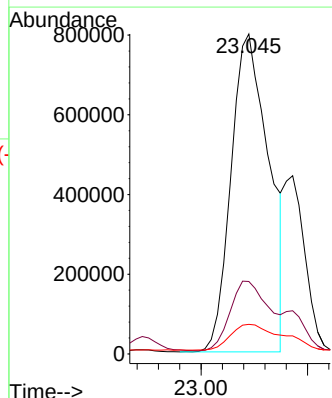
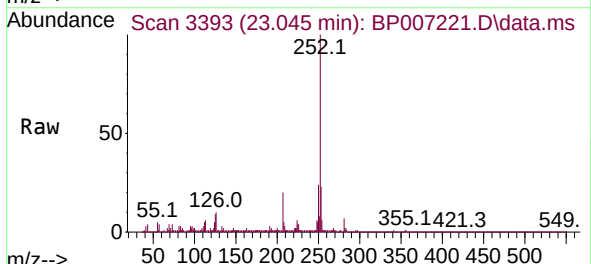
Instrument :
BNA_P
ClientSampleId :
TP-5DL

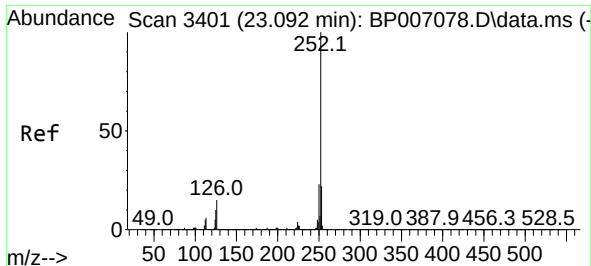
Tgt Ion:276 Resp: 1015886
Ion Ratio Lower Upper
276 100
138 17.0 15.3 22.9
277 24.9 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 26.523 ng
RT: 23.045 min Scan# 3393
Delta R.T. 0.012 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:252 Resp: 1971542
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 9.2 6.2 9.4

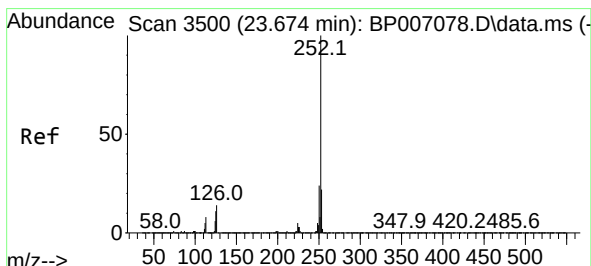
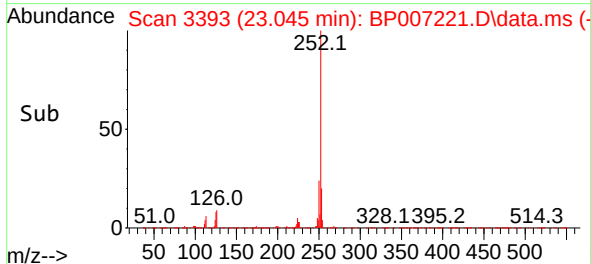
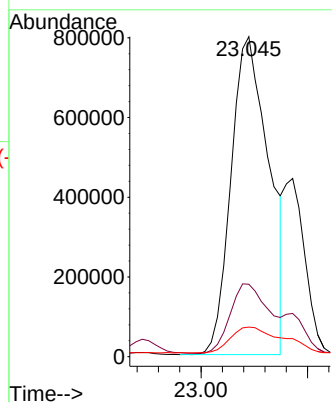
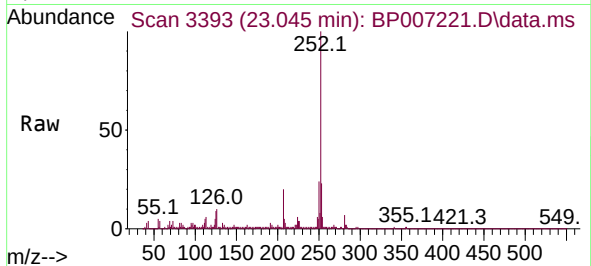




#89
Benzo(k)fluoranthene
Concen: 26.196 ng
RT: 23.045 min Scan# 3393
Delta R.T. -0.041 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

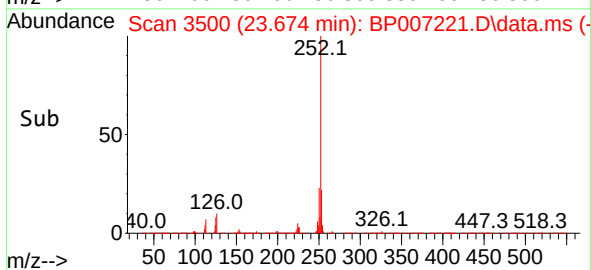
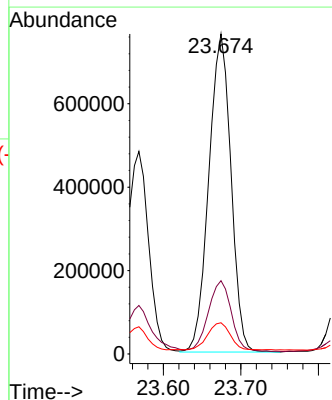
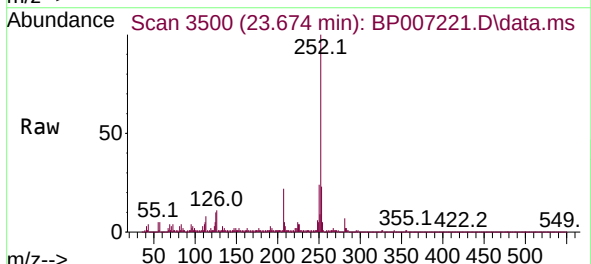
Instrument :
BNA_P
ClientSampleId :
TP-5DL

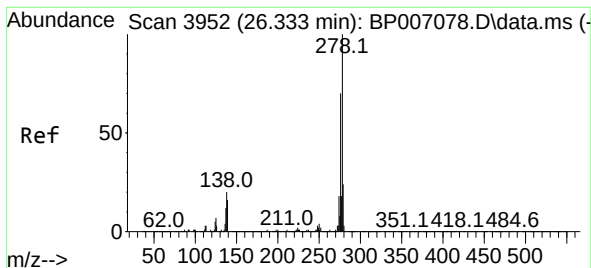
Tgt Ion:252 Resp: 1971542
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 9.2 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 23.923 ng
RT: 23.674 min Scan# 3500
Delta R.T. 0.006 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:252 Resp: 1510840
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 9.7 6.5 9.7#

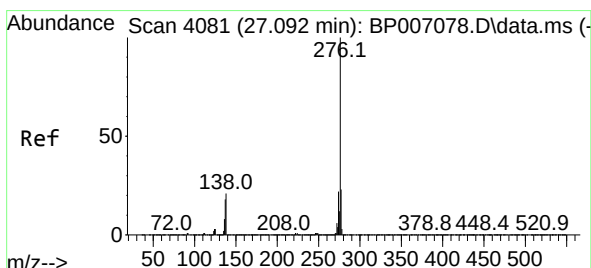
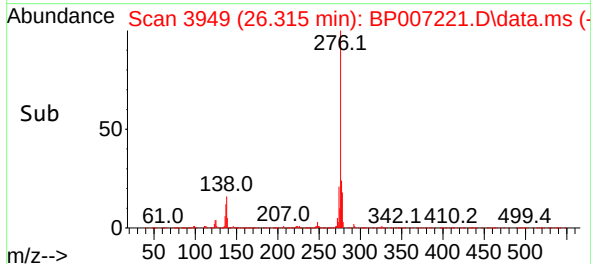
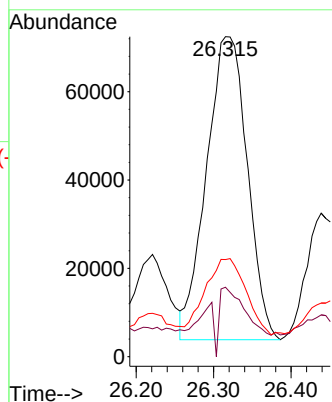
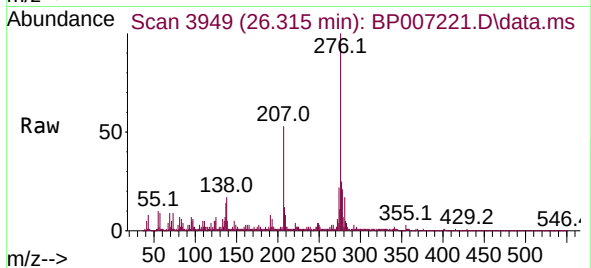




#91
Dibenzo(a,h)anthracene
Concen: 3.360 ng
RT: 26.315 min Scan# 3949
Delta R.T. -0.000 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Instrument :
BNA_P
ClientSampleId :
TP-5DL

Tgt Ion:278 Resp: 251695
Ion Ratio Lower Upper
278 100
139 21.7 9.3 13.9#
279 30.4 18.8 28.2#



#92
Benzo(g,h,i)perylene
Concen: 13.705 ng
RT: 27.092 min Scan# 4081
Delta R.T. 0.017 min
Lab File: BP007221.D
Acq: 28 Sep 2021 00:05

Tgt Ion:276 Resp: 1001915
Ion Ratio Lower Upper
276 100
277 25.4 18.9 28.3
138 17.0 12.6 18.8

