

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
 Data File : BP007174.D
 Acq On : 24 Sep 2021 23:55
 Operator : CG/JU
 Sample : M3917-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 25 01:49:46 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)

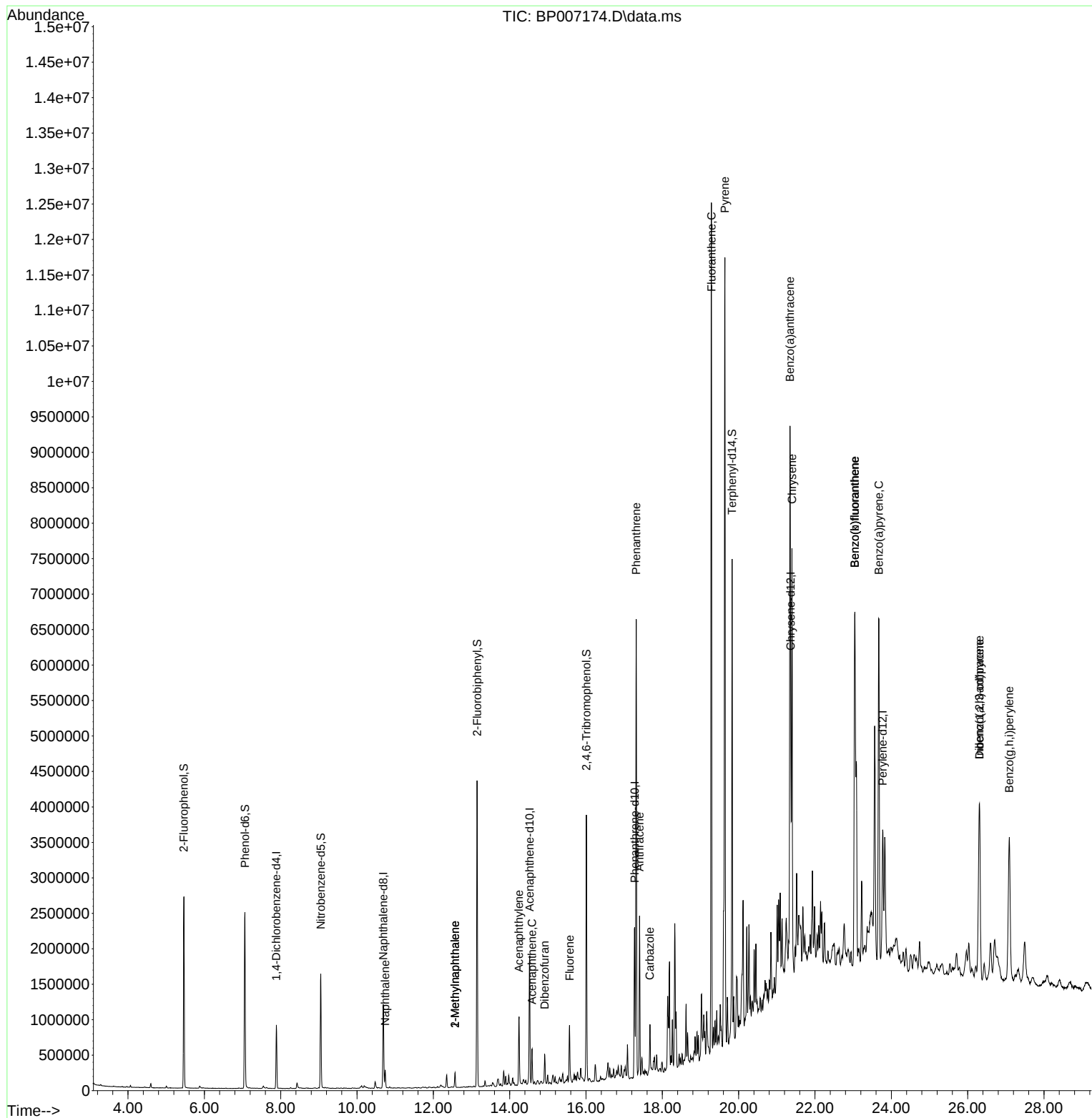
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	257070	20.000	ng	0.00
21) Naphthalene-d8	10.687	136	1027043	20.000	ng	# 0.00
39) Acenaphthene-d10	14.522	164	662831	20.000	ng	0.00
64) Phenanthrene-d10	17.275	188	1359065	20.000	ng	0.00
76) Chrysene-d12	21.363	240	1280470	20.000	ng	0.00
86) Perylene-d12	23.774	264	1407729	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	1243536	80.974	ng	0.00
7) Phenol-d6	7.063	99	1592696	75.881	ng	0.00
23) Nitrobenzene-d5	9.052	82	938715	53.228	ng	0.00
42) 2,4,6-Tribromophenol	16.010	330	749552	87.225	ng	0.00
45) 2-Fluorobiphenyl	13.145	172	2321782	50.182	ng	0.00
79) Terphenyl-d14	19.827	244	3004445	44.962	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.740	128	210601	4.018	ng	100
37) 2-Methylnaphthalene	12.569	142	101303	2.760	ng	93
38) 1-Methylnaphthalene	12.569	142	101307	2.825	ng	95
49) Acenaphthylene	14.245	152	771031	13.108	ng	99
52) Acenaphthene	14.587	154	191749	5.380	ng	98
55) Dibenzofuran	14.916	168	219982	3.700	ng	# 93
58) Fluorene	15.569	166	395781	8.616	ng	99
71) Phenanthrene	17.316	178	3955880	54.285	ng	99
72) Anthracene	17.404	178	1444541	20.264	ng	99
73) Carbazole	17.675	167	439634	6.294	ng	98
75) Fluoranthene	19.286	202	7454083	88.784	ng	97
78) Pyrene	19.639	202	7242326	86.208	ng	97
81) Benzo(a)anthracene	21.345	228	3783406	45.520	ng	95
83) Chrysene	21.398	228	3408618	42.910	ng	96
87) Indeno(1,2,3-cd)pyrene	26.309	276	2825541	27.930	ng	99
88) Benzo(b)fluoranthene	23.045	252	5214767	61.986	ng	# 97
89) Benzo(k)fluoranthene	23.045	252	5214767	61.222	ng	# 97
90) Benzo(a)pyrene	23.674	252	3989698	55.820	ng	98
91) Dibenzo(a,h)anthracene	26.309	278	690863	8.149	ng	# 84
92) Benzo(g,h,i)perylene	27.092	276	2801296	33.858	ng	# 95

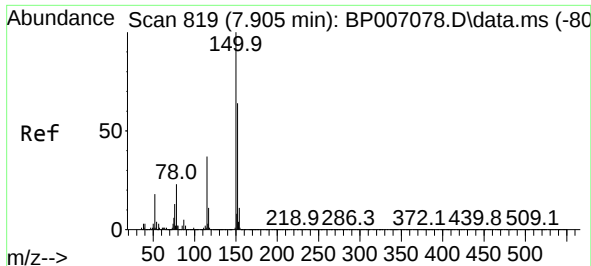
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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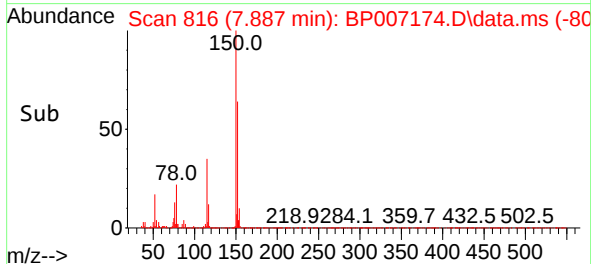
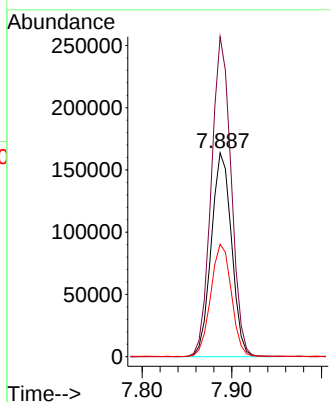
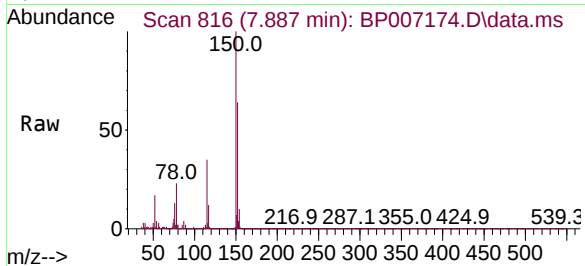




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

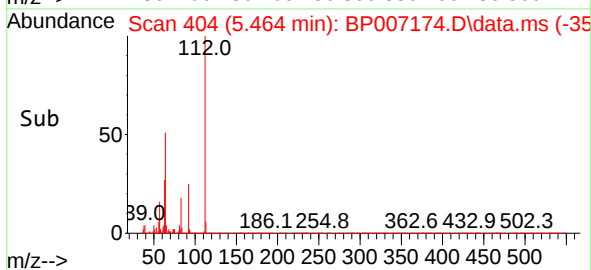
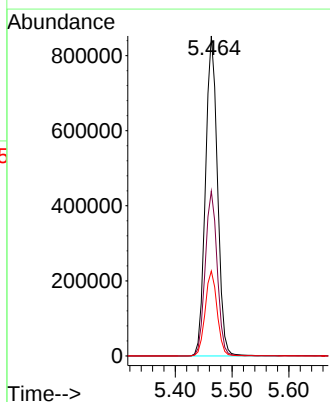
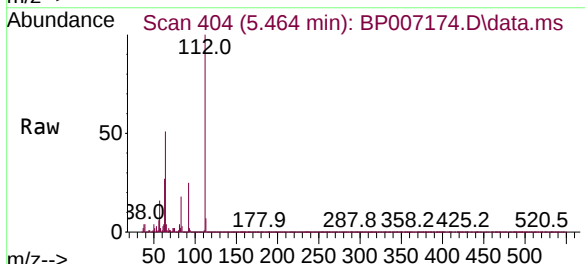
Instrument :
BNA_P
ClientSampleId :

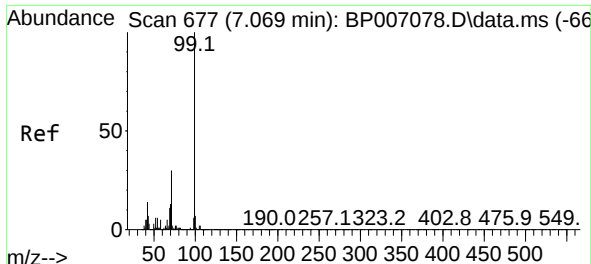
Tgt Ion:152 Resp: 257070
Ion Ratio Lower Upper
152 100
150 156.9 125.6 188.4
115 55.1 48.5 72.7



#5
2-Fluorophenol
Concen: 80.974 ng
RT: 5.464 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion:112 Resp: 1243536
Ion Ratio Lower Upper
112 100
64 51.5 41.4 62.2
63 26.6 23.8 35.8

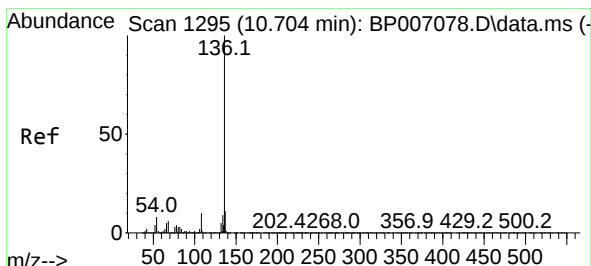
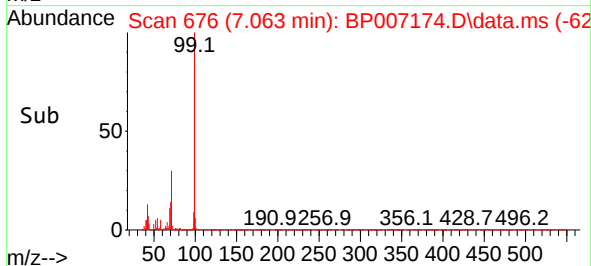
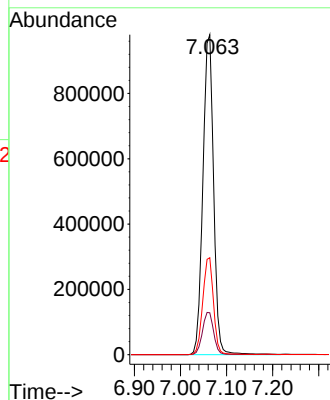
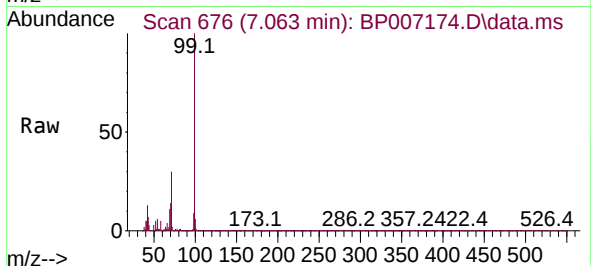




#7
Phenol-d6
Concen: 75.881 ng
RT: 7.063 min Scan# 676
Delta R.T. -0.000 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

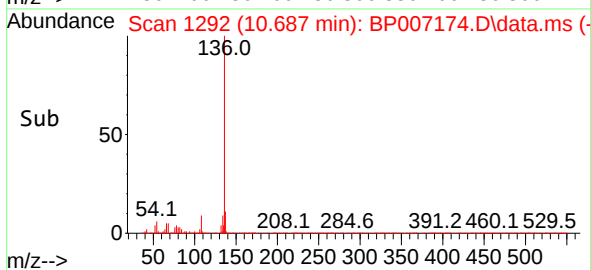
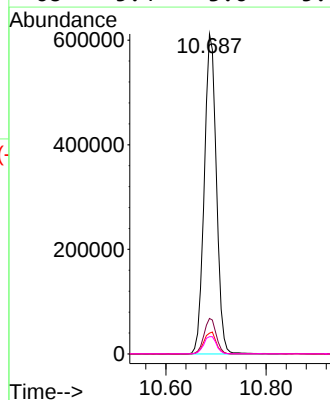
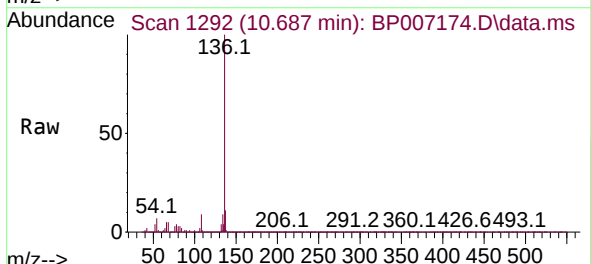
Instrument :
BNA_P
ClientSampleId :

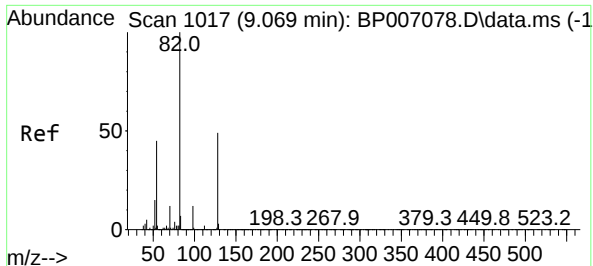
Tgt Ion: 99 Resp: 1592696
Ion Ratio Lower Upper
99 100
42 13.1 13.4 20.0#
71 30.3 30.6 46.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.687 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion: 136 Resp: 1027043
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.5 4.6 6.8
68 5.4 3.6 5.4#

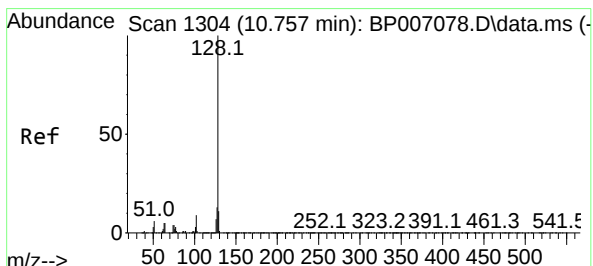
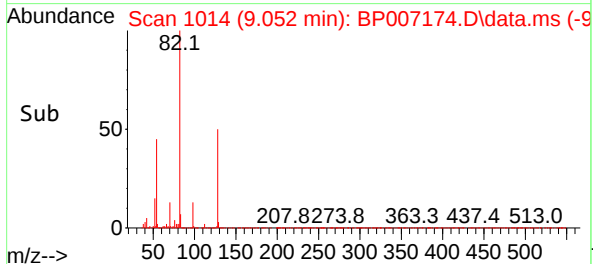
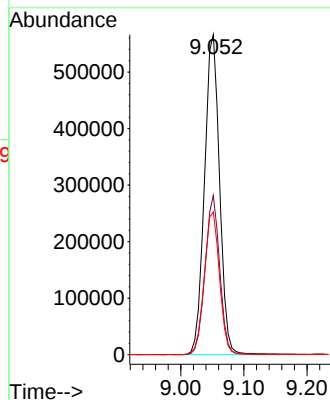
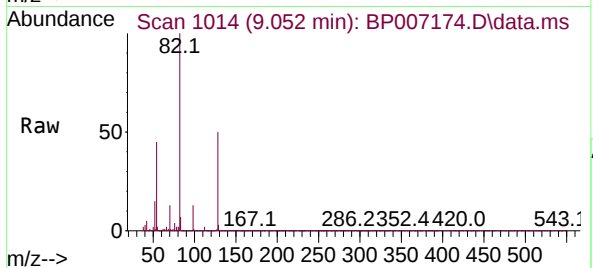




#23
Nitrobenzene-d5
Concen: 53.228 ng
RT: 9.052 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

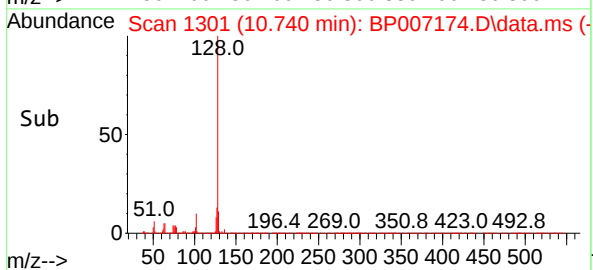
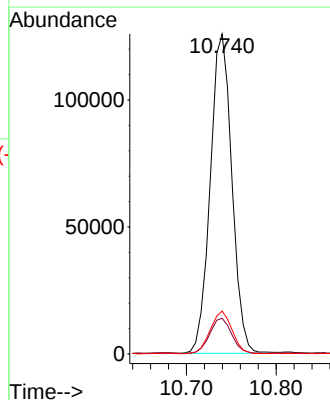
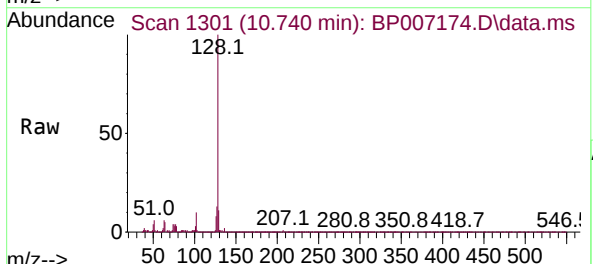
Instrument :
BNA_P
ClientSampleId :

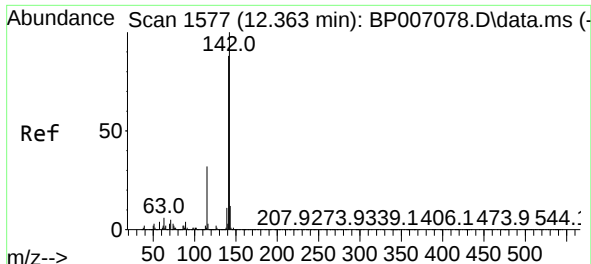
Tgt Ion: 82 Resp: 938715
Ion Ratio Lower Upper
82 100
128 49.8 35.7 53.5
54 44.6 35.0 52.4



#31
Naphthalene
Concen: 4.018 ng
RT: 10.740 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion: 128 Resp: 210601
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.4 10.7 16.1

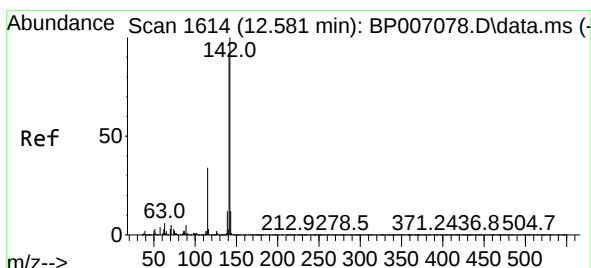
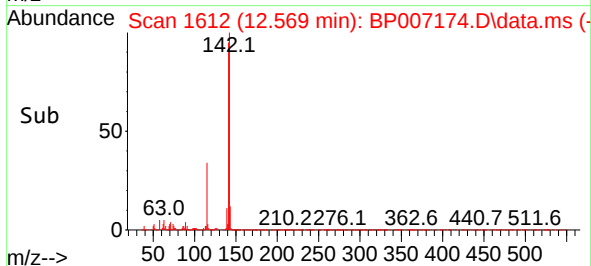
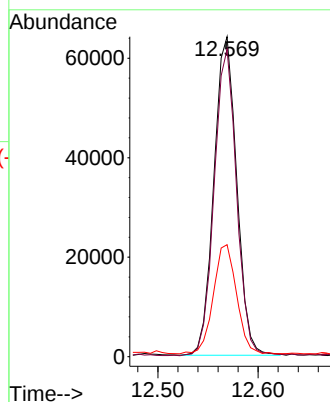
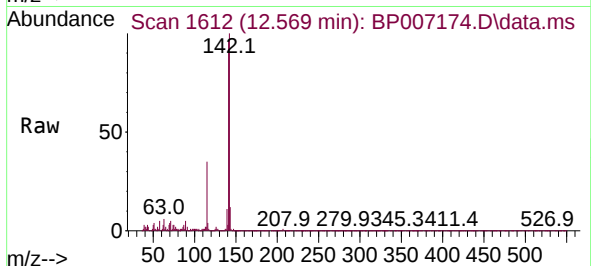




#37
2-Methylnaphthalene
Concen: 2.760 ng
RT: 12.569 min Scan# 1612
Delta R.T. 0.218 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

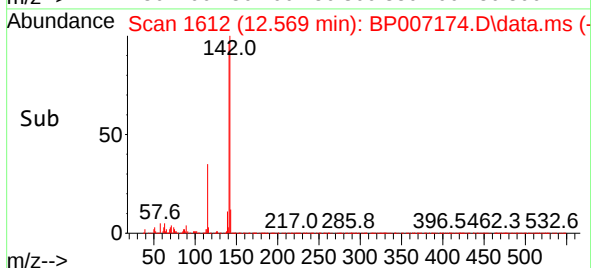
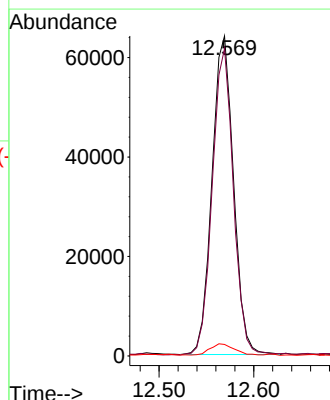
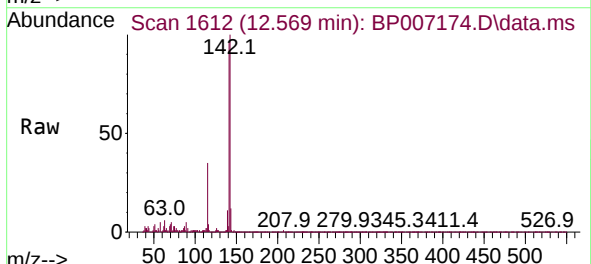
Instrument :
BNA_P
ClientSampleId :

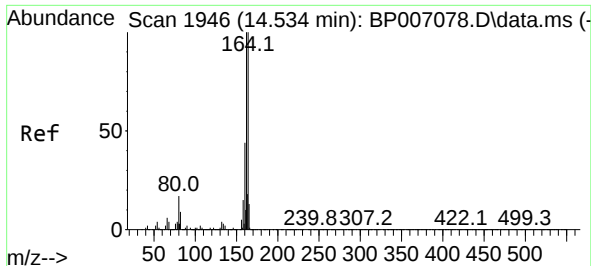
Tgt Ion:142	Resp: 101303
Ion Ratio	Lower Upper
142	100
141	96.1 71.8 107.6
115	35.0 31.6 47.4



#38
1-Methylnaphthalene
Concen: 2.825 ng
RT: 12.569 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion:142	Resp: 101307
Ion Ratio	Lower Upper
142	100
141	96.1 73.3 109.9
116	3.6 3.5 5.3

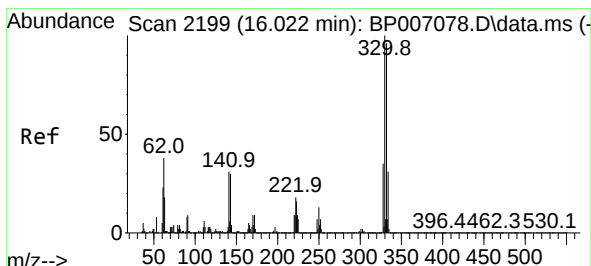
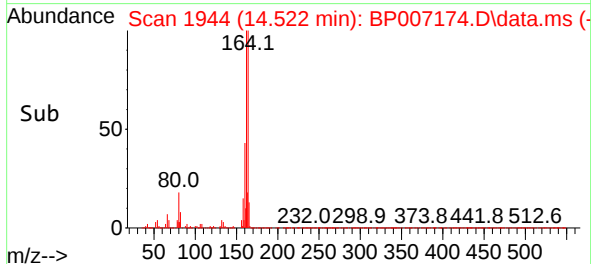
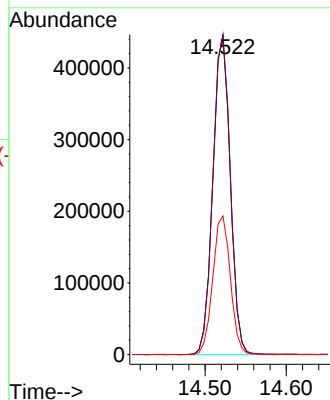
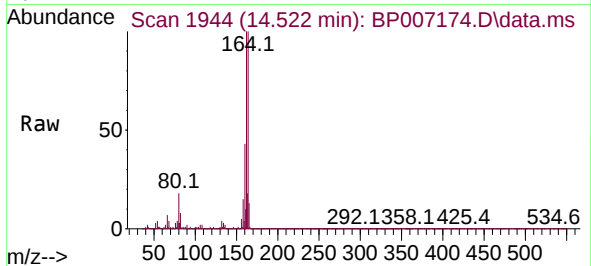




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

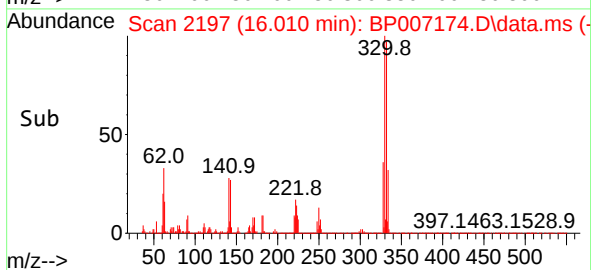
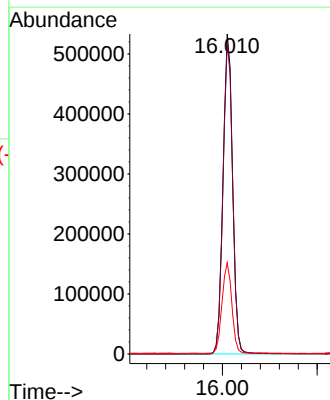
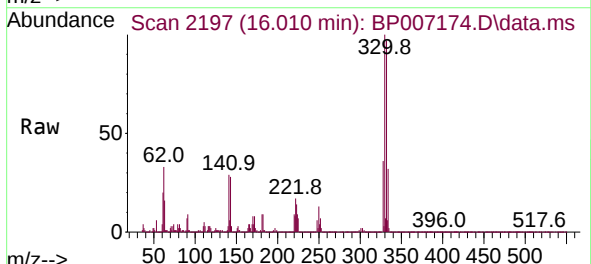
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BNA_P
ClientSampleId :

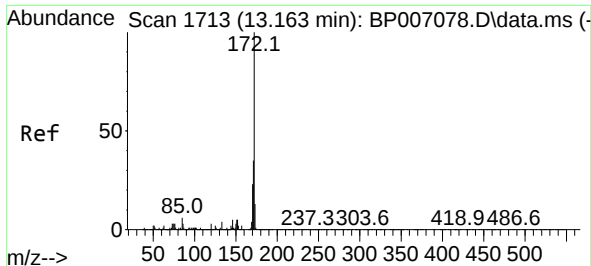
Tgt Ion:164 Resp: 662831
Ion Ratio Lower Upper
164 100
162 100.3 80.2 120.2
160 43.5 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 87.225 ng
RT: 16.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion:330 Resp: 749552
Ion Ratio Lower Upper
330 100
332 97.9 77.8 116.8
141 28.8 25.4 38.2

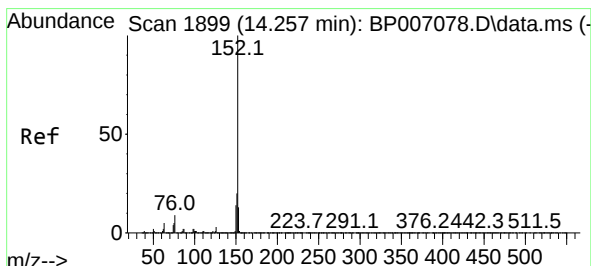
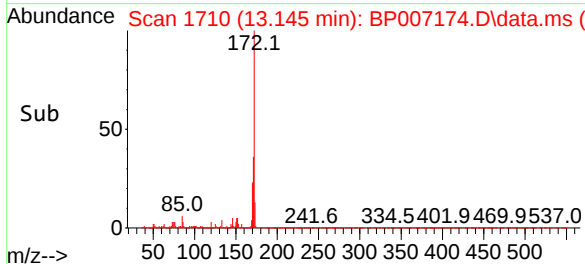
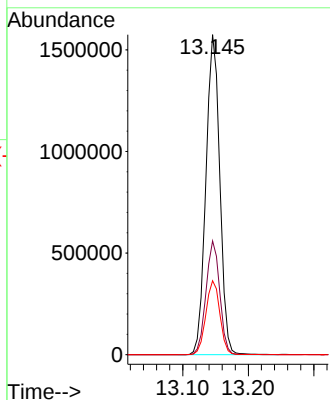
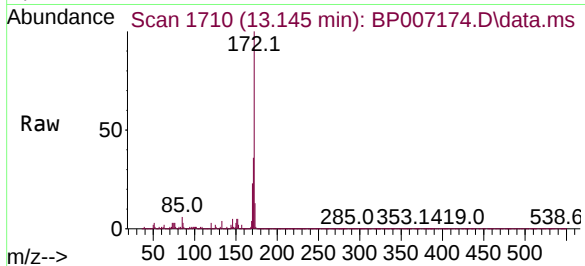




#45
2-Fluorobiphenyl
Concen: 50.182 ng
RT: 13.145 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

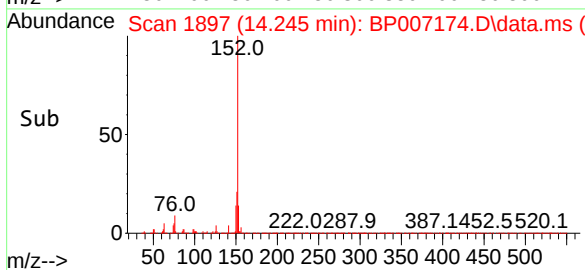
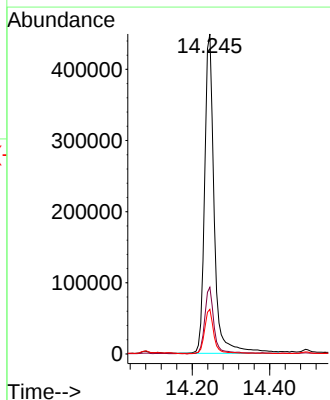
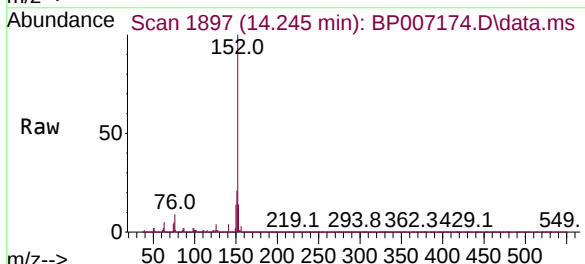
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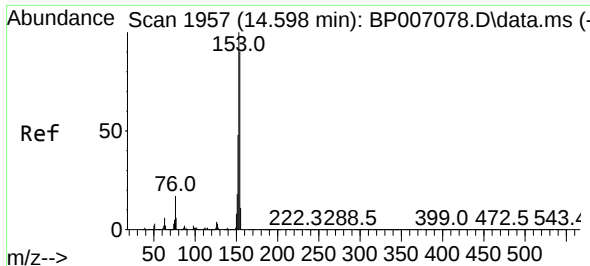
Tgt Ion:172 Resp: 2321782
Ion Ratio Lower Upper
172 100
171 35.6 27.9 41.9
170 23.1 18.6 27.8



#49
Acenaphthylene
Concen: 13.108 ng
RT: 14.245 min Scan# 1897
Delta R.T. -0.000 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion:152 Resp: 771031
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.2
153 13.9 10.6 16.0

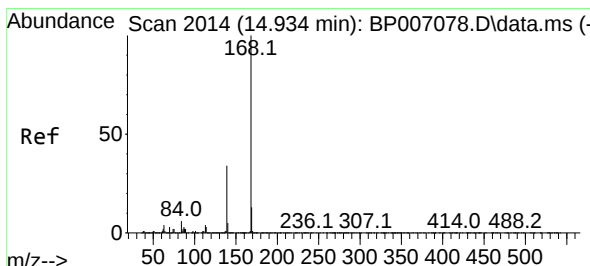
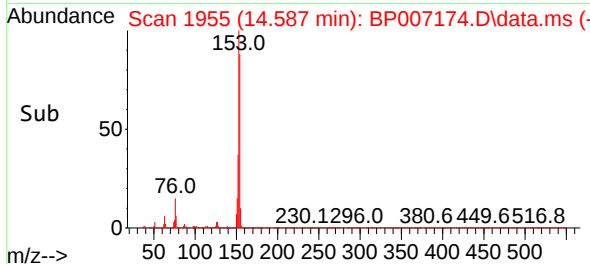
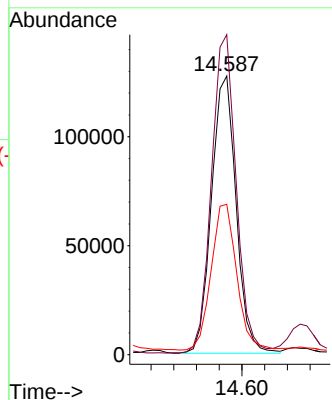
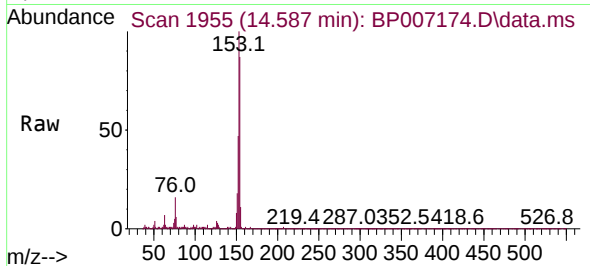




#52
Acenaphthene
Concen: 5.380 ng
RT: 14.587 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

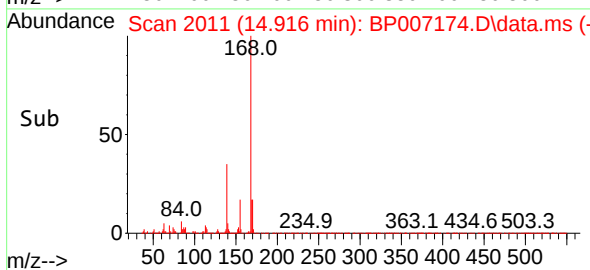
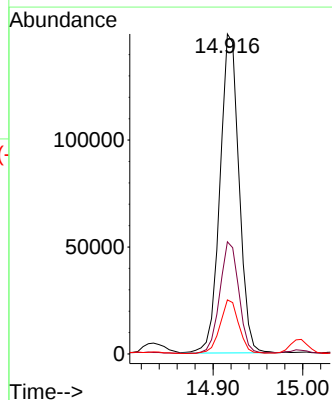
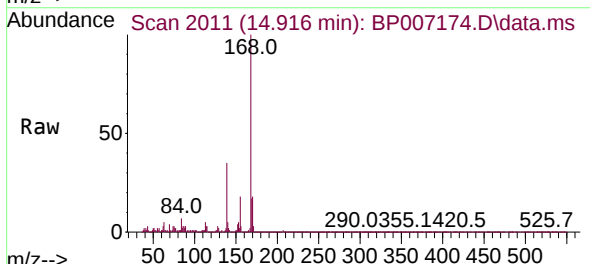
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BNA_P
ClientSampleId :

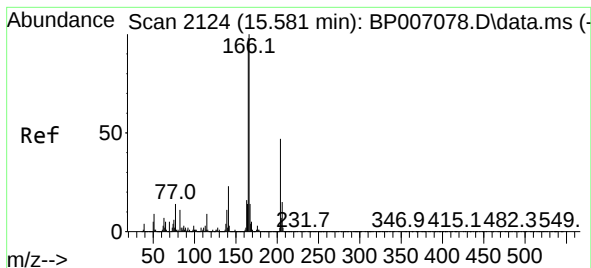
Tgt Ion:154 Resp: 191749
Ion Ratio Lower Upper
154 100
153 114.8 89.4 134.2
152 54.0 43.0 64.4



#55
Dibenzofuran
Concen: 3.700 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion:168 Resp: 219982
Ion Ratio Lower Upper
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139 35.1 31.0 46.6
169 16.9 10.8 16.2#

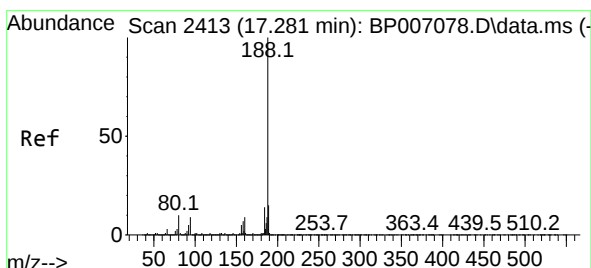
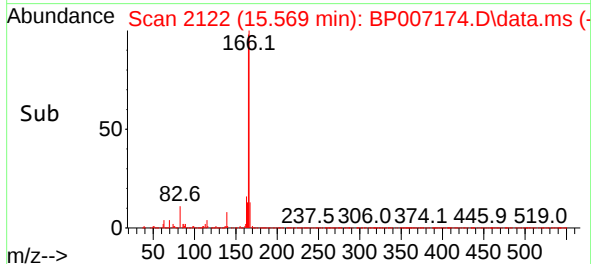
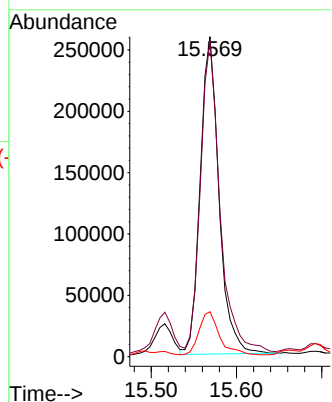
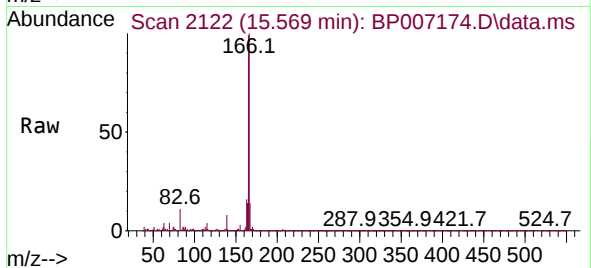




#58
Fluorene
Concen: 8.616 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

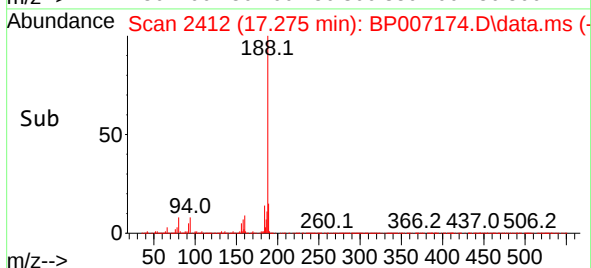
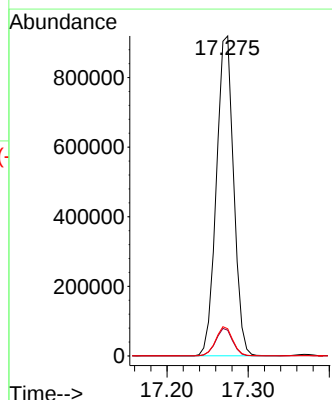
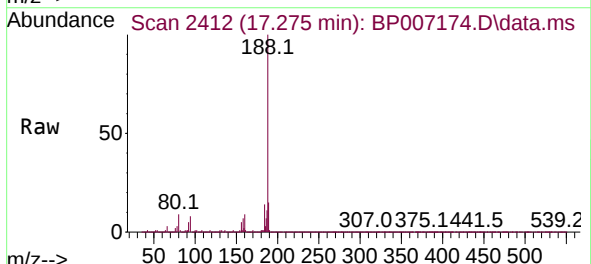
Instrument :
BNA_P
ClientSampleId :

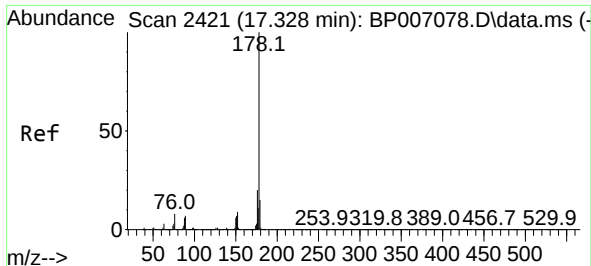
Tgt Ion:166 Resp: 395781
Ion Ratio Lower Upper
166 100
165 98.6 78.0 117.0
167 14.1 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion:188 Resp: 1359065
Ion Ratio Lower Upper
188 100
94 8.1 5.6 8.4
80 8.5 6.3 9.5

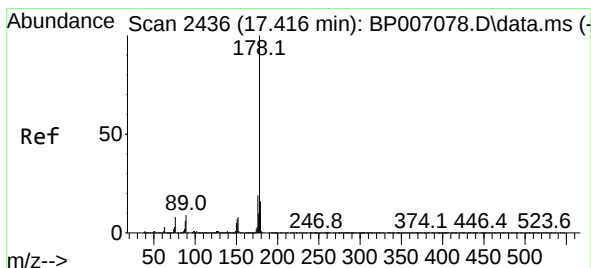
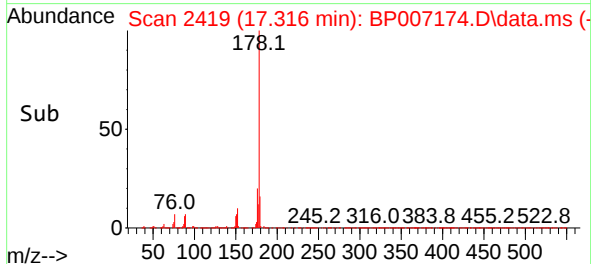
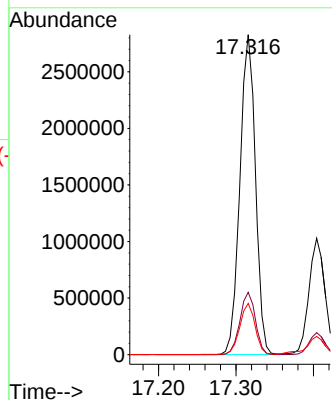
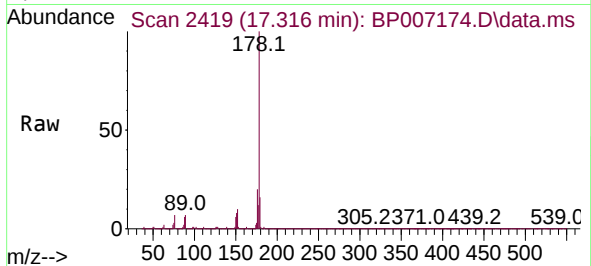




#71
Phenanthrene
Concen: 54.285 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

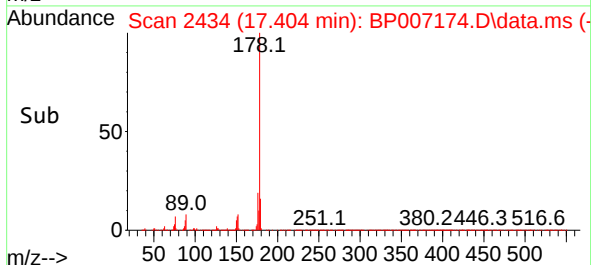
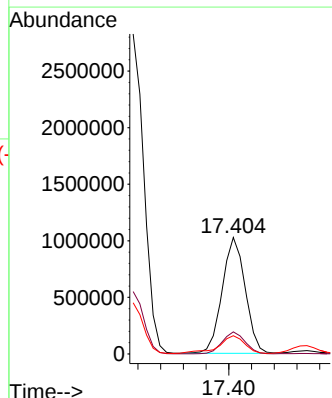
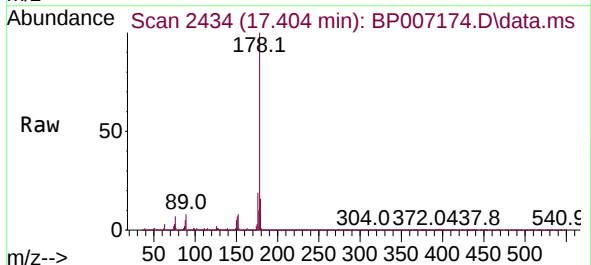
Instrument :
BNA_P
ClientSampleId :

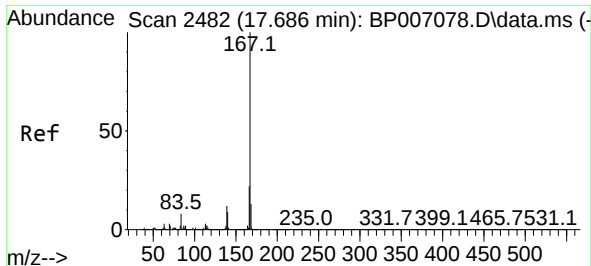
Tgt Ion:178 Resp: 3955880
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 16.0 12.4 18.6



#72
Anthracene
Concen: 20.264 ng
RT: 17.404 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion:178 Resp: 1444541
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.7 12.2 18.2

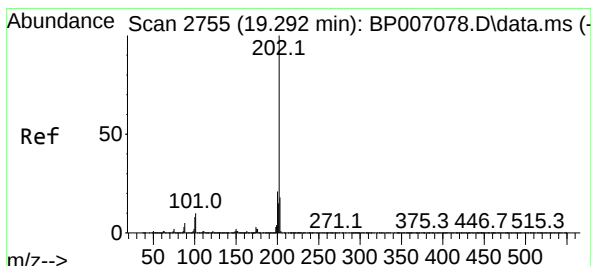
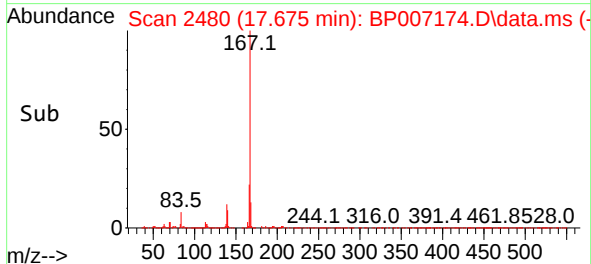
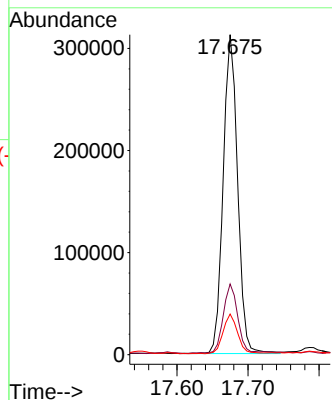
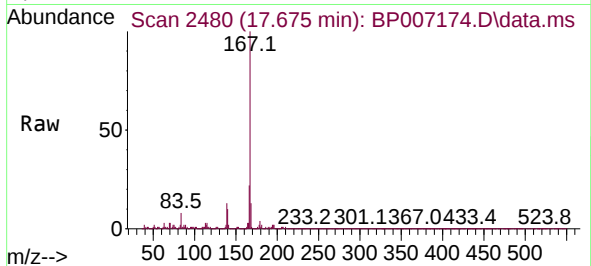




#73
 Carbazole
 Concen: 6.294 ng
 RT: 17.675 min Scan# 2480
 Delta R.T. -0.006 min
 Lab File: BP007174.D
 Acq: 24 Sep 2021 23:55

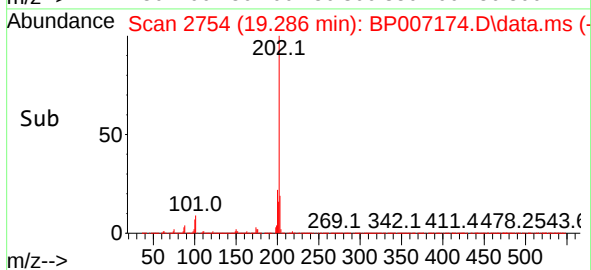
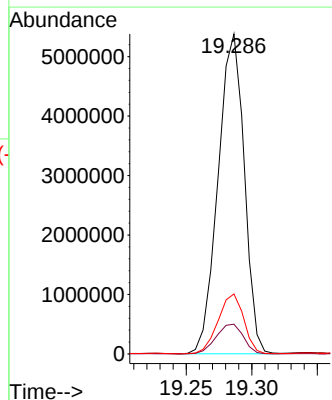
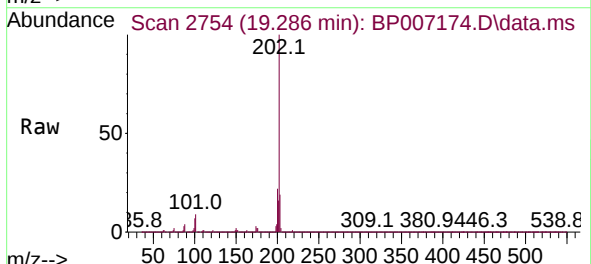
Instrument :
 BNA_P
 ClientSampleId :

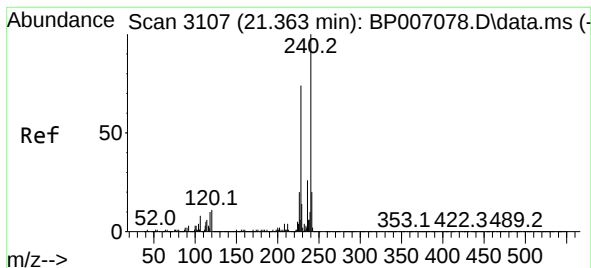
Tgt Ion:167 Resp: 439634
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.1 25.7
 139 12.7 10.7 16.1



#75
 Fluoranthene
 Concen: 88.784 ng
 RT: 19.286 min Scan# 2754
 Delta R.T. 0.006 min
 Lab File: BP007174.D
 Acq: 24 Sep 2021 23:55

Tgt Ion:202 Resp: 7454083
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 27.6
 203 18.7 0.0 37.8

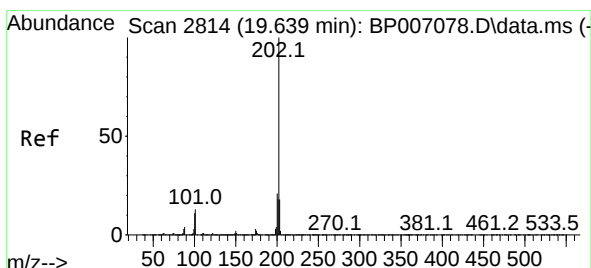
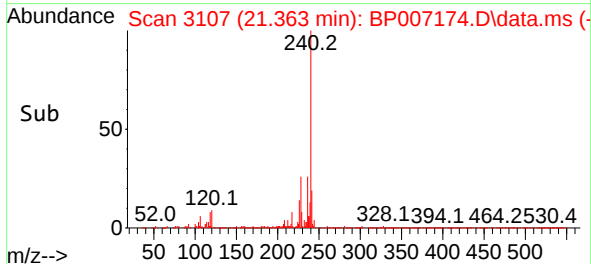
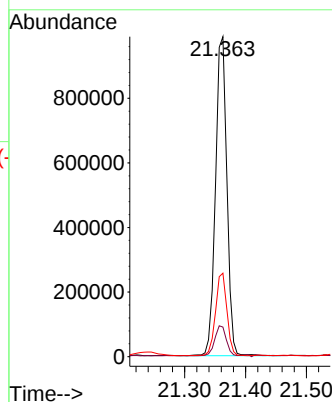
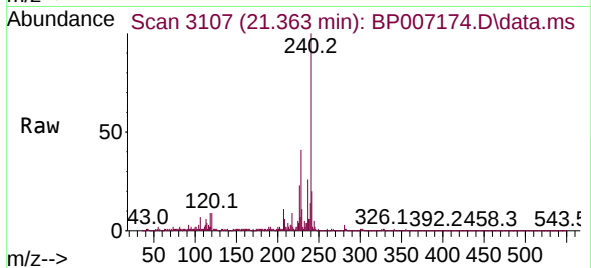




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.363 min Scan# 3107
Delta R.T. 0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

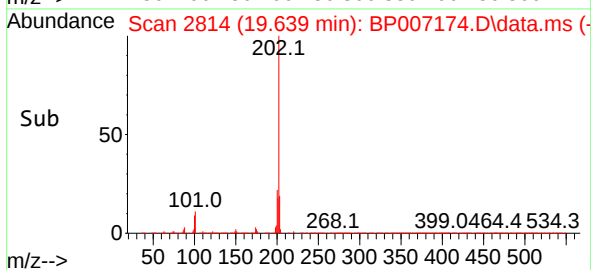
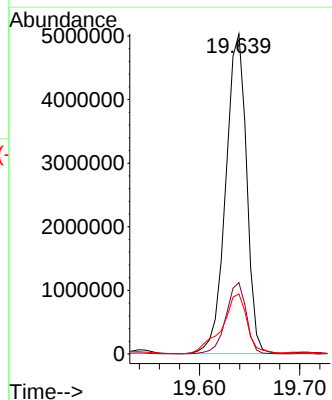
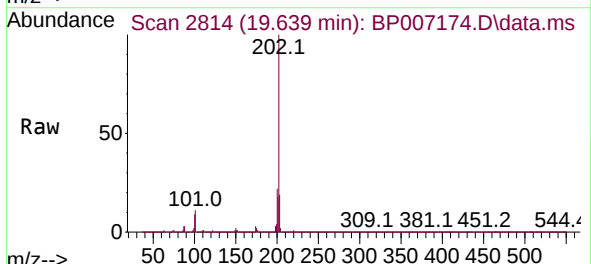
Instrument :
BNA_P
ClientSampleId :

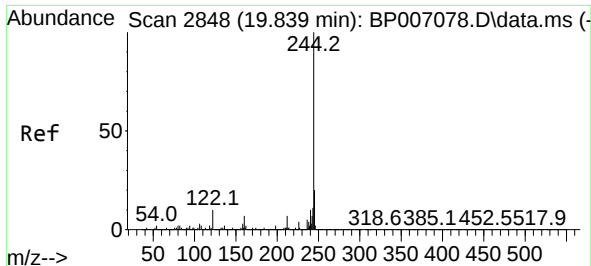
Tgt Ion:240 Resp: 1280470
Ion Ratio Lower Upper
240 100
120 9.3 6.5 9.7
236 26.1 20.6 31.0



#78
Pyrene
Concen: 86.208 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion:202 Resp: 7242326
Ion Ratio Lower Upper
202 100
200 22.3 16.3 24.5
203 18.7 14.2 21.2

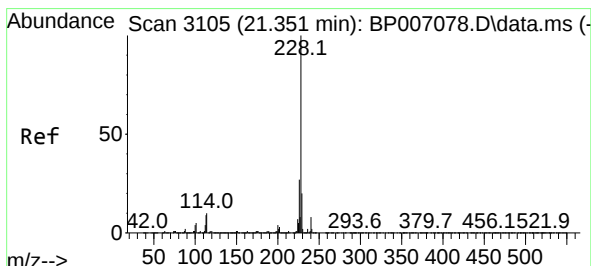
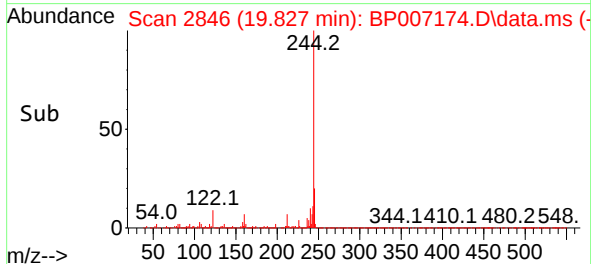
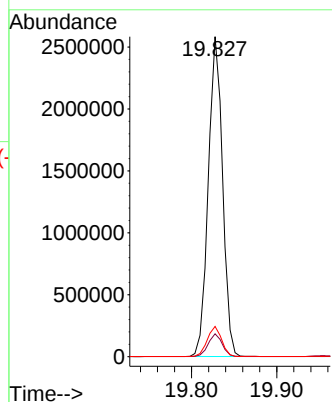
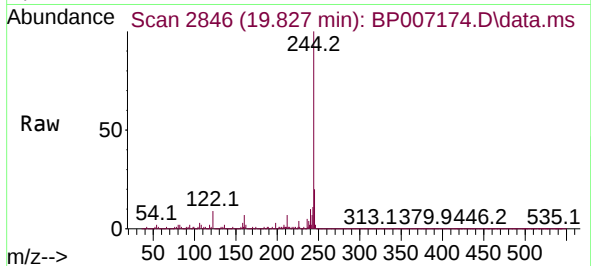




#79
 Terphenyl-d14
 Concen: 44.962 ng
 RT: 19.827 min Scan# 2846
 Delta R.T. -0.006 min
 Lab File: BP007174.D
 Acq: 24 Sep 2021 23:55

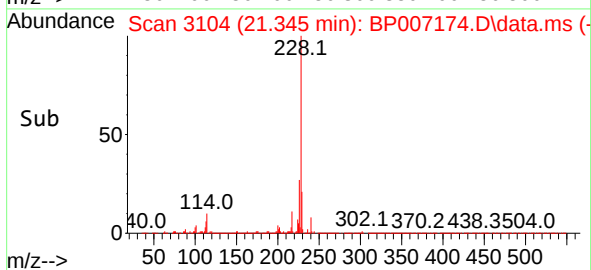
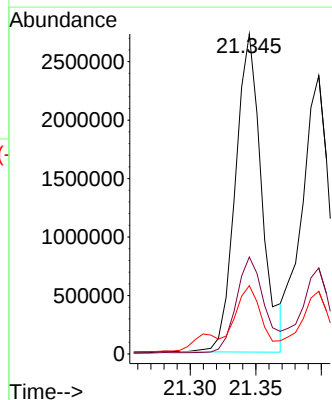
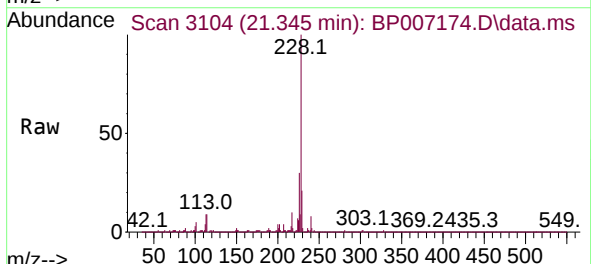
Instrument :
 BNA_P
 ClientSampleId :

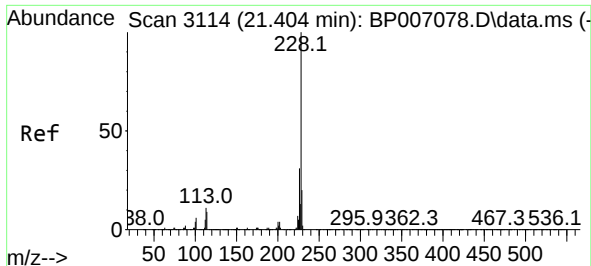
Tgt Ion:244 Resp: 3004445
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.5 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 45.520 ng
 RT: 21.345 min Scan# 3104
 Delta R.T. -0.000 min
 Lab File: BP007174.D
 Acq: 24 Sep 2021 23:55

Tgt Ion:228 Resp: 3783406
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.6 32.4
 229 21.4 15.8 23.6

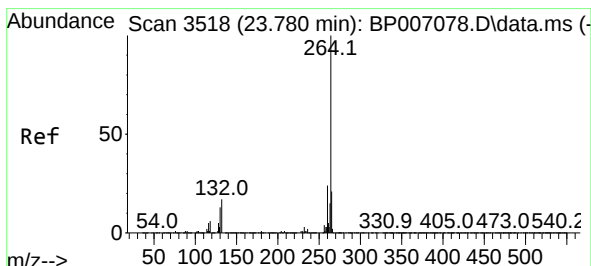
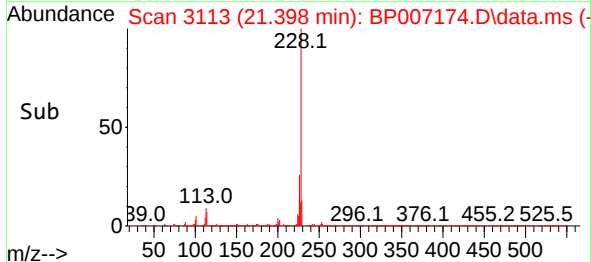
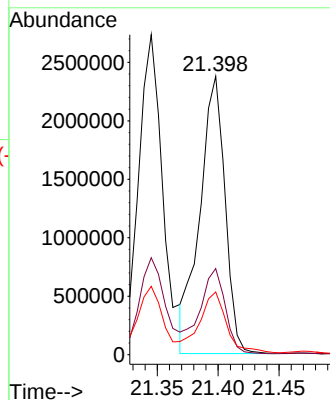
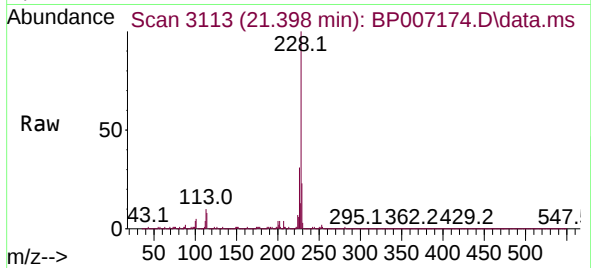




#83
Chrysene
Concen: 42.910 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

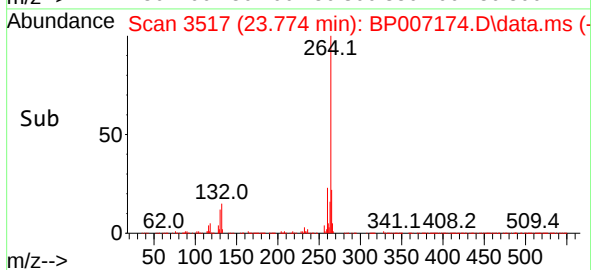
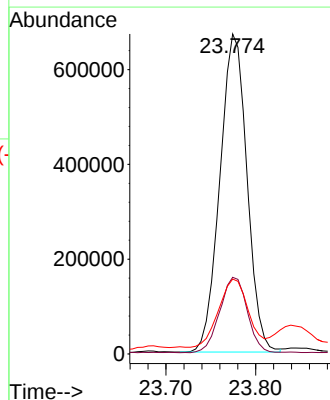
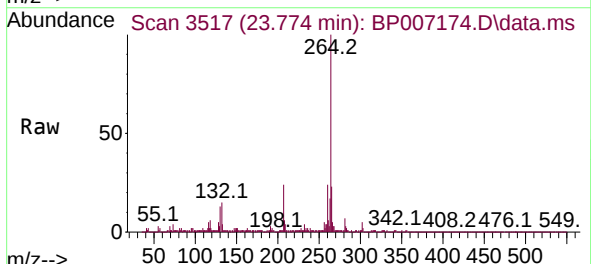
Instrument :
BNA_P
ClientSampleId :

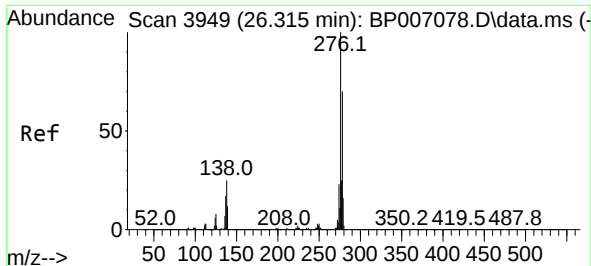
Tgt Ion:228 Resp: 3408618
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.6
229 22.5 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3517
Delta R.T. 0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion:264 Resp: 1407729
Ion Ratio Lower Upper
264 100
260 24.0 18.6 28.0
265 23.4 17.6 26.4

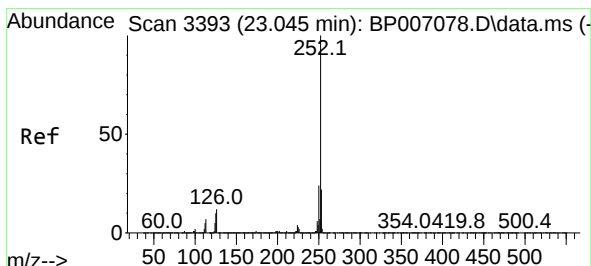
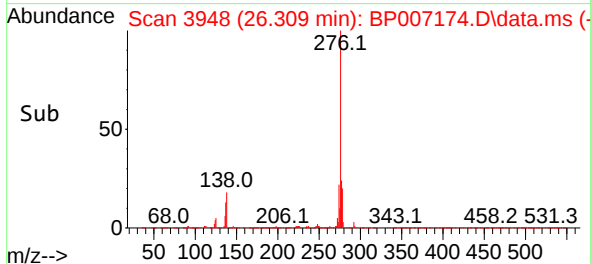
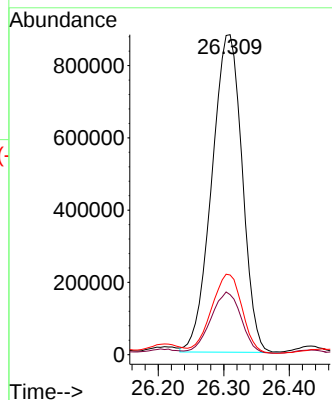
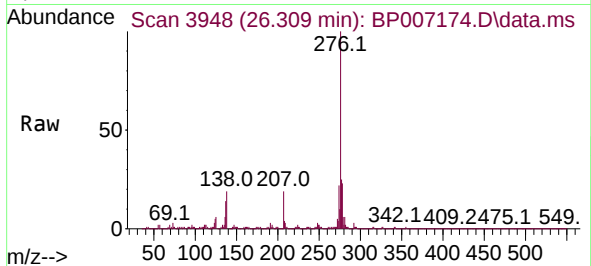




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 27.930 ng
 RT: 26.309 min Scan# 3948
 Delta R.T. 0.006 min
 Lab File: BP007174.D
 Acq: 24 Sep 2021 23:55

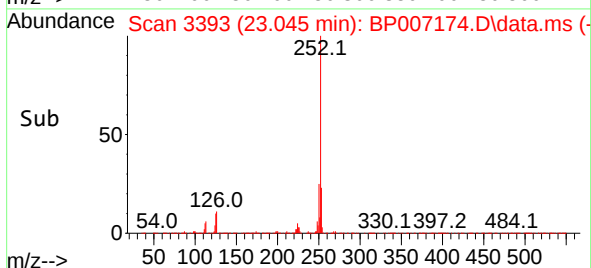
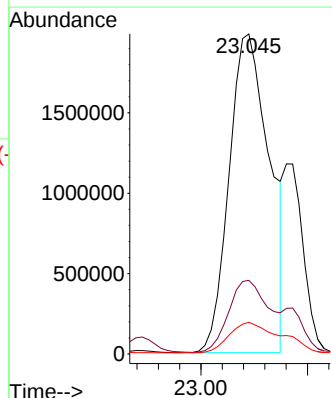
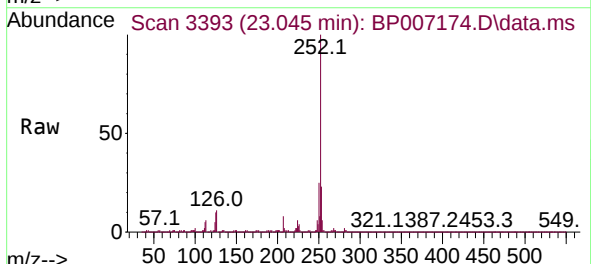
Instrument :
 BNA_P
 ClientSampled :

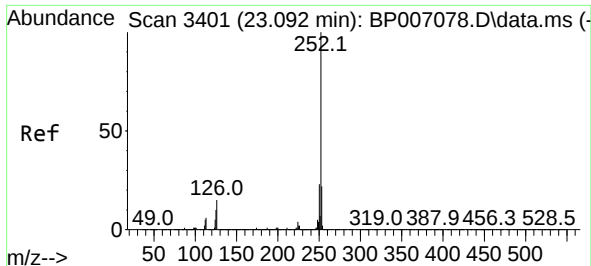
Tgt Ion:276 Resp: 2825541
 Ion Ratio Lower Upper
 276 100
 138 19.4 15.3 22.9
 277 25.2 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 61.986 ng
 RT: 23.045 min Scan# 3393
 Delta R.T. 0.012 min
 Lab File: BP007174.D
 Acq: 24 Sep 2021 23:55

Tgt Ion:252 Resp: 5214767
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.5 26.3
 125 9.9 6.2 9.4#

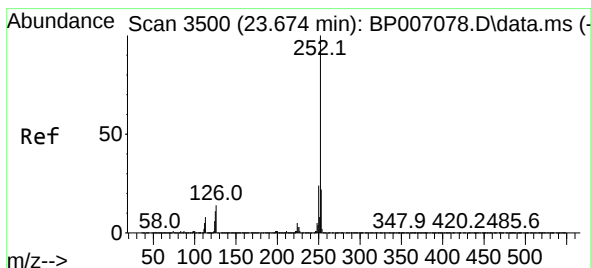
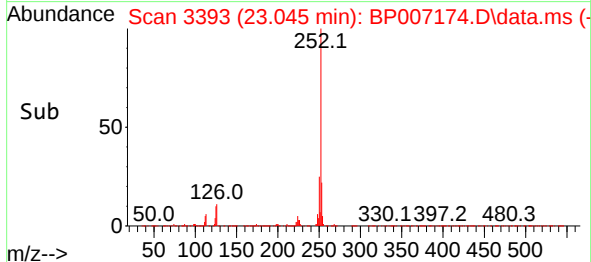
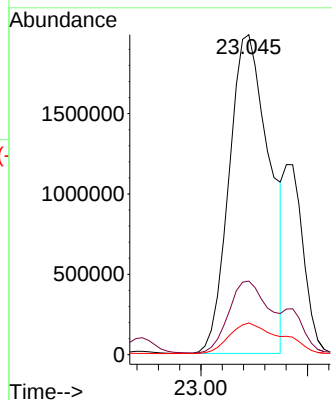
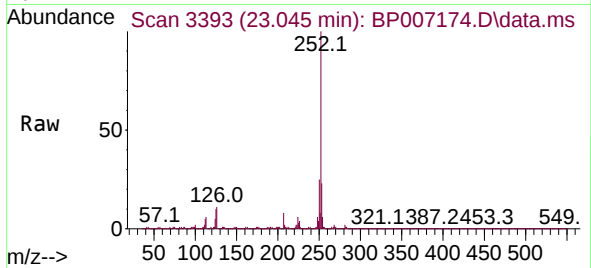




#89
Benzo(k)fluoranthene
Concen: 61.222 ng
RT: 23.045 min Scan# 3393
Delta R.T. -0.041 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

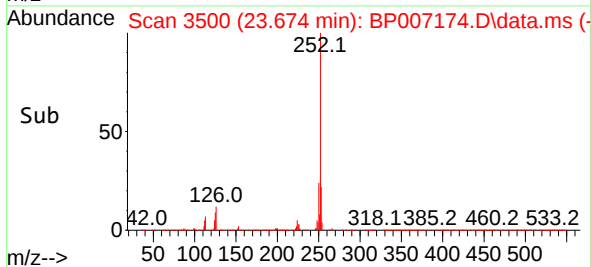
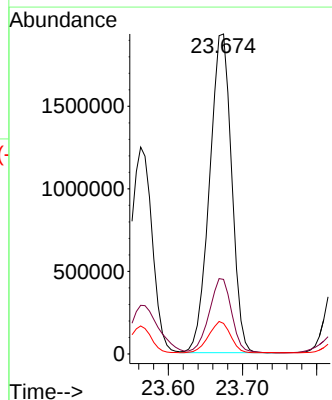
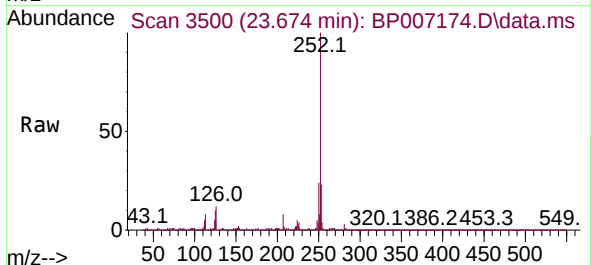
Instrument :
BNA_P
ClientSampled :

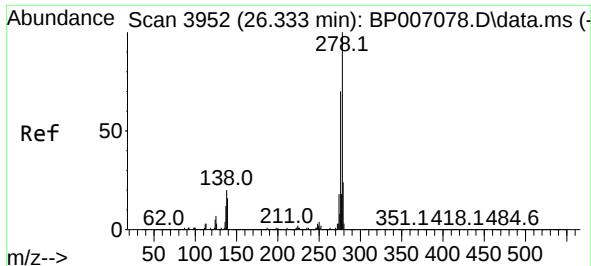
Tgt Ion:252 Resp: 5214767
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 9.9 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 55.820 ng
RT: 23.674 min Scan# 3500
Delta R.T. 0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion:252 Resp: 3989698
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 9.6 6.5 9.7

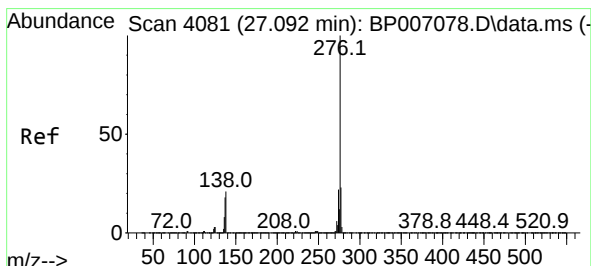
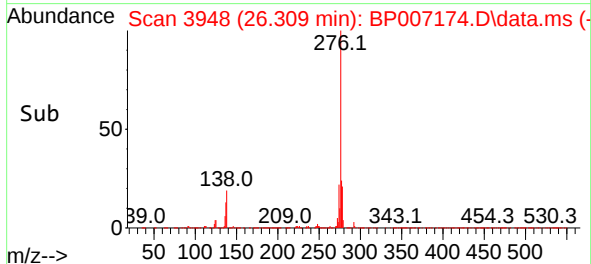
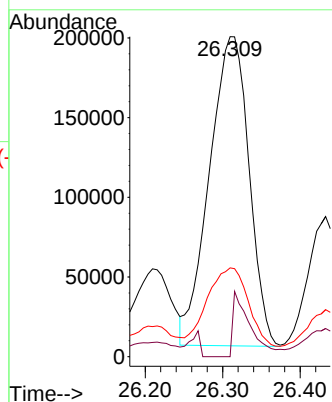
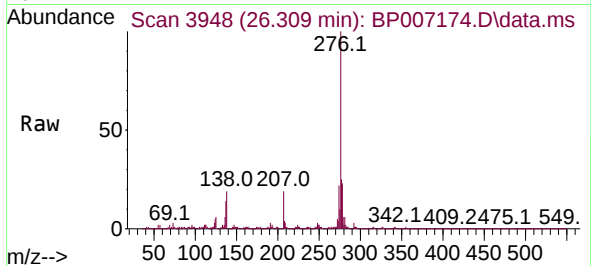




#91
Dibenzo(a,h)anthracene
Concen: 8.149 ng
RT: 26.309 min Scan# 3948
Delta R.T. -0.006 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:278 Resp: 690863
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 27.8 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 33.858 ng
RT: 27.092 min Scan# 4081
Delta R.T. 0.018 min
Lab File: BP007174.D
Acq: 24 Sep 2021 23:55

Tgt Ion:276 Resp: 2801296
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 19.7 12.6 18.8#

