

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092521\
 Data File : BP007200.D
 Acq On : 25 Sep 2021 22:57
 Operator : CG/JU
 Sample : M3917-10DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 26 02:17:34 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)

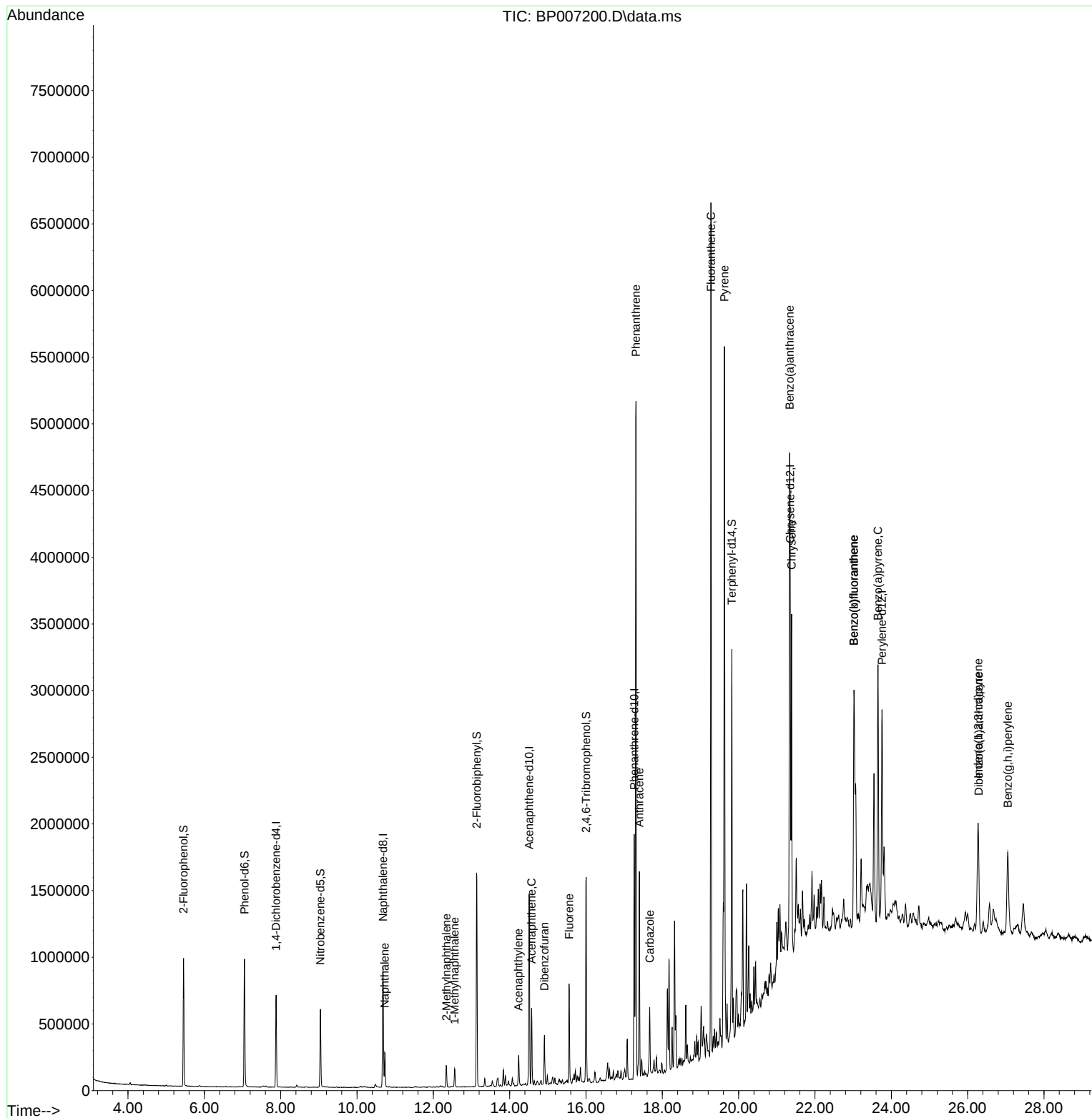
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	199975	20.000	ng	-0.01
21) Naphthalene-d8	10.681	136	788502	20.000	ng	#-0.01
39) Acenaphthene-d10	14.510	164	505298	20.000	ng	-0.02
64) Phenanthrene-d10	17.263	188	1100388	20.000	ng	-0.01
76) Chrysene-d12	21.351	240	1065140	20.000	ng	0.00
86) Perylene-d12	23.757	264	1167392	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	460684	38.563	ng	0.00
7) Phenol-d6	7.052	99	599559	36.720	ng	-0.01
23) Nitrobenzene-d5	9.040	82	347852	25.691	ng	-0.02
42) 2,4,6-Tribromophenol	16.004	330	297911	45.476	ng	-0.01
45) 2-Fluorobiphenyl	13.134	172	879263	24.929	ng	-0.02
79) Terphenyl-d14	19.822	244	1338621	24.083	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	10.728	128	216361	5.376	ng	100
37) 2-Methylnaphthalene	12.340	142	82204	2.917	ng	95
38) 1-Methylnaphthalene	12.557	142	67407	2.448	ng	97
49) Acenaphthylene	14.234	152	164425	3.667	ng	98
52) Acenaphthene	14.575	154	205150	7.551	ng	99
55) Dibenzofuran	14.910	168	211298	4.661	ng	94
58) Fluorene	15.557	166	346361	9.891	ng	100
71) Phenanthrene	17.310	178	3221845	54.606	ng	99
72) Anthracene	17.398	178	988502	17.126	ng	100
73) Carbazole	17.669	167	317470	5.613	ng	98
75) Fluoranthene	19.275	202	3737962	54.988	ng	98
78) Pyrene	19.627	202	3297301	47.183	ng	99
81) Benzo(a)anthracene	21.333	228	1721261	24.896	ng	97
83) Chrysene	21.386	228	1400853	21.200	ng	97
87) Indeno(1,2,3-cd)pyrene	26.274	276	869446	10.364	ng	100
88) Benzo(b)fluoranthene	23.021	252	1836201	26.320	ng	# 97
89) Benzo(k)fluoranthene	23.021	252	1836201	25.995	ng	# 97
90) Benzo(a)pyrene	23.651	252	1433053	24.178	ng	# 98
91) Dibenzo(a,h)anthracene	26.286	278	237014	3.371	ng	# 90
92) Benzo(g,h,i)perylene	27.051	276	837516	12.207	ng	# 95

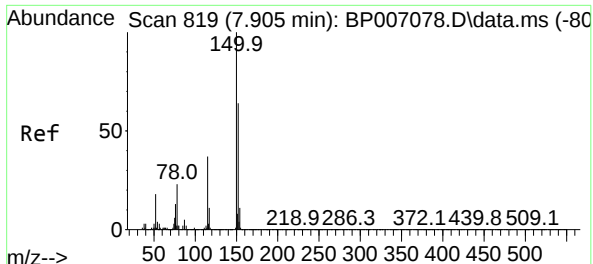
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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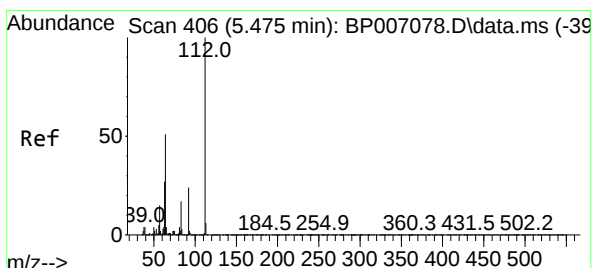
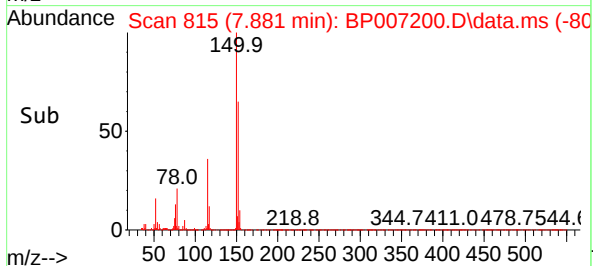
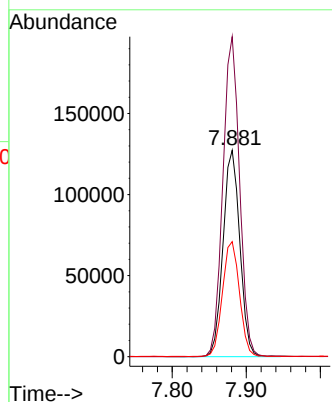
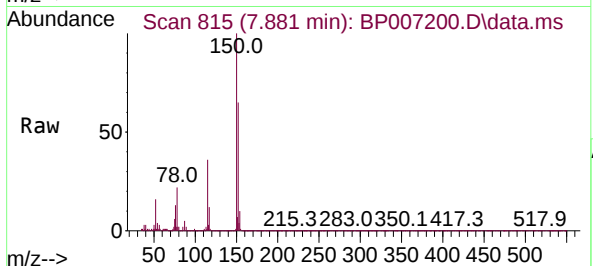




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 815
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

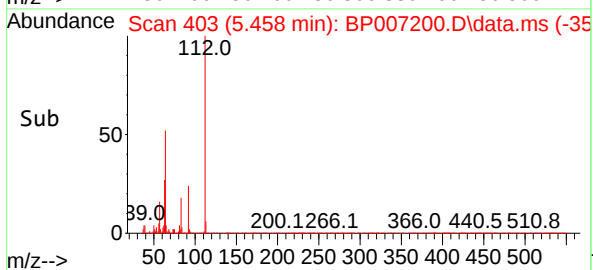
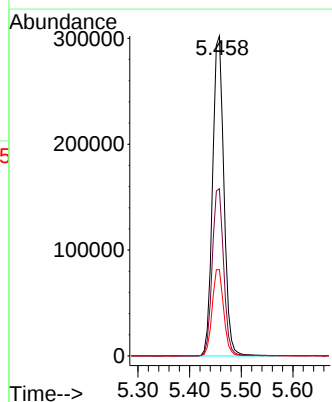
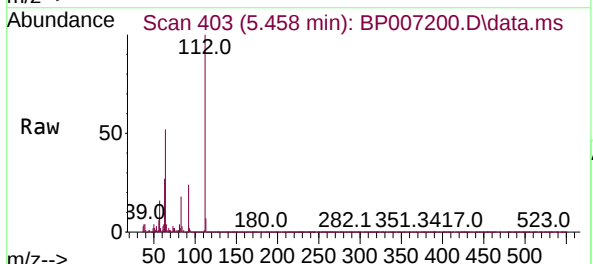
Instrument :
BNA_P
ClientSampled :

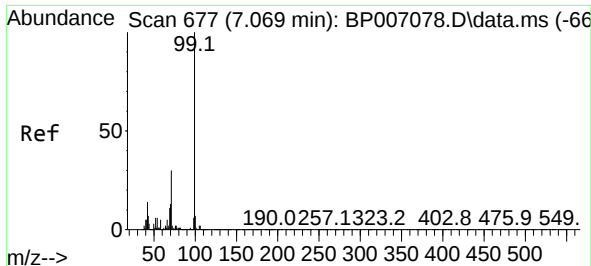
Tgt Ion:152 Resp: 199975
Ion Ratio Lower Upper
152 100
150 155.0 125.6 188.4
115 55.7 48.5 72.7



#5
2-Fluorophenol
Concen: 38.563 ng
RT: 5.458 min Scan# 403
Delta R.T. -0.006 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:112 Resp: 460684
Ion Ratio Lower Upper
112 100
64 52.3 41.4 62.2
63 27.0 23.8 35.8

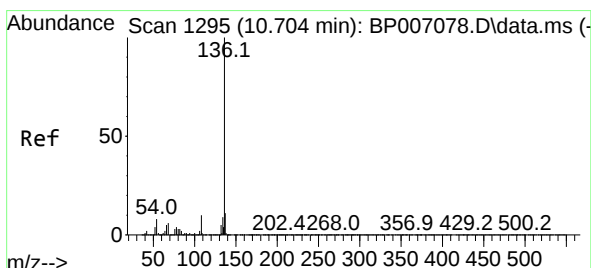
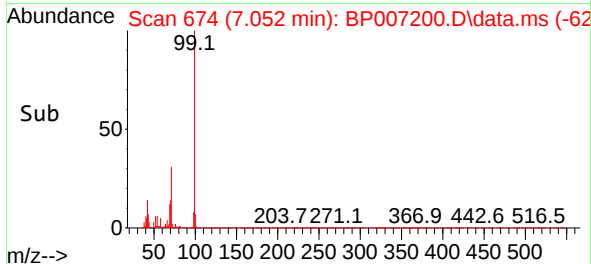
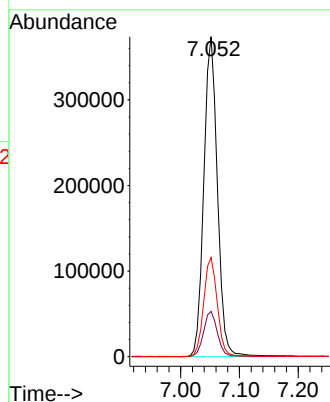
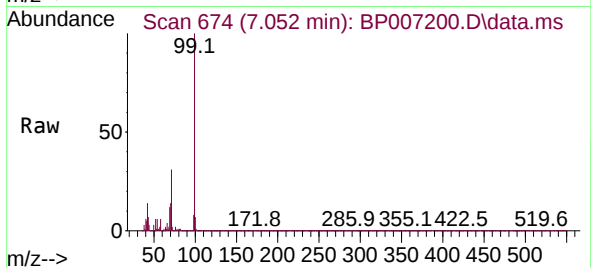




#7
Phenol-d6
Concen: 36.720 ng
RT: 7.052 min Scan# 674
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

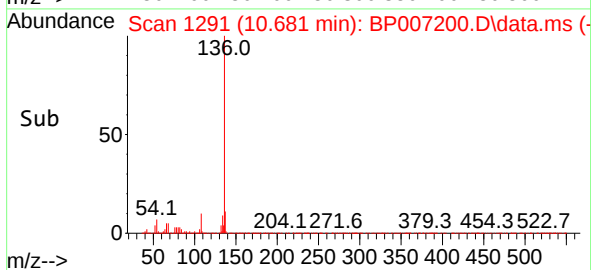
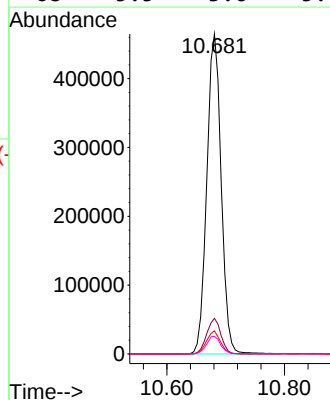
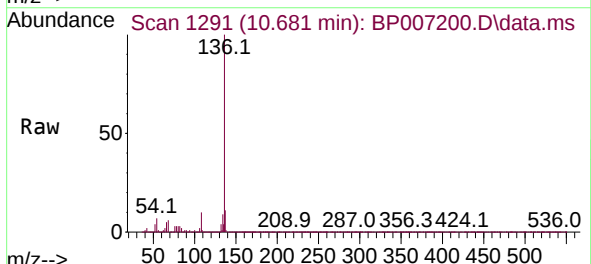
Instrument :
BNA_P
ClientSampleId :

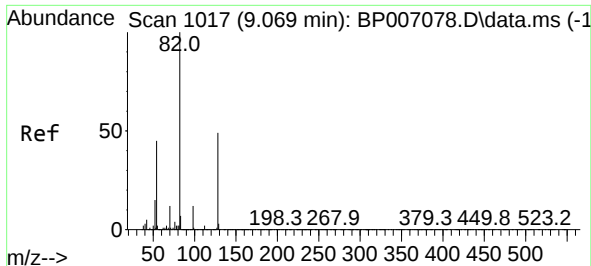
Tgt Ion:	99	Resp:	599559
Ion	Ratio	Lower	Upper
99	100		
42	14.2	13.4	20.0
71	31.0	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.681 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:	136	Resp:	788502
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	7.2	4.6	6.8#
68	5.5	3.6	5.4#

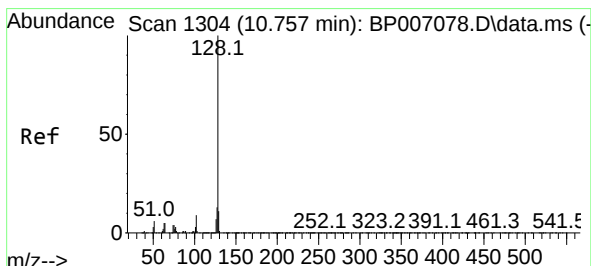
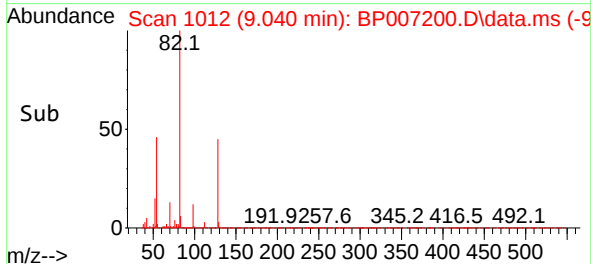
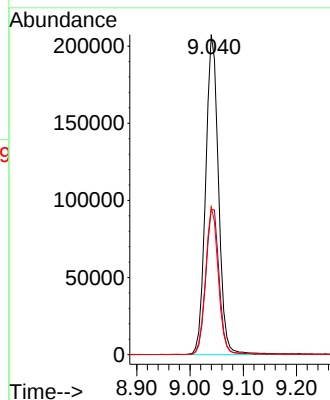
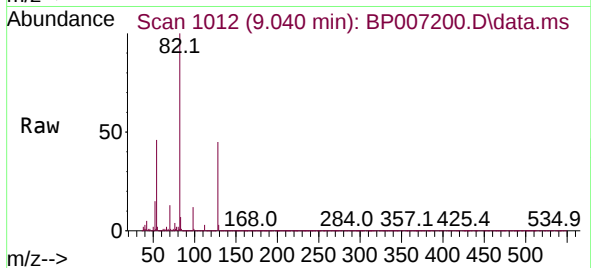




#23
Nitrobenzene-d5
Concen: 25.691 ng
RT: 9.040 min Scan# 1012
Delta R.T. -0.018 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

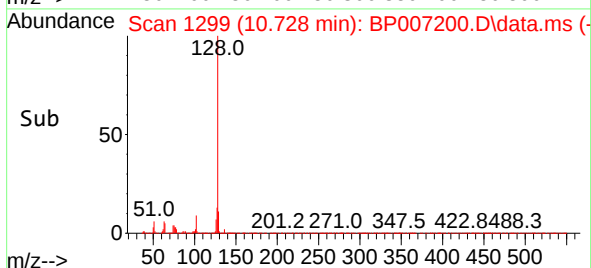
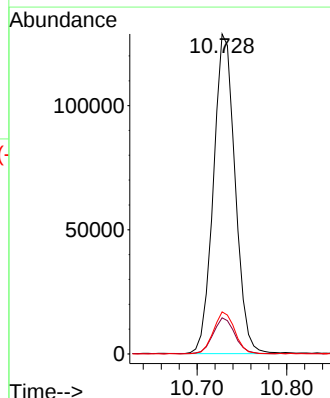
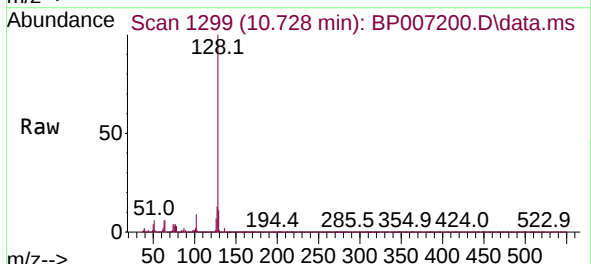
Instrument :
BNA_P
ClientSampled :

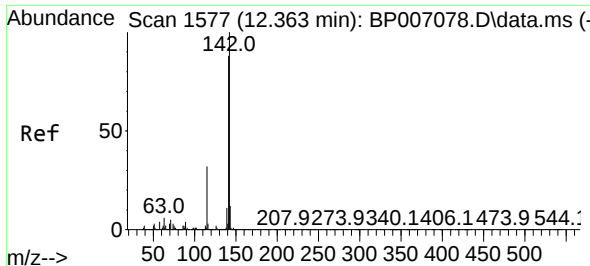
Tgt Ion: 82 Resp: 347852
Ion Ratio Lower Upper
82 100
128 45.4 35.7 53.5
54 46.2 35.0 52.4



#31
Naphthalene
Concen: 5.376 ng
RT: 10.728 min Scan# 1299
Delta R.T. -0.018 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion: 128 Resp: 216361
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.2 10.7 16.1

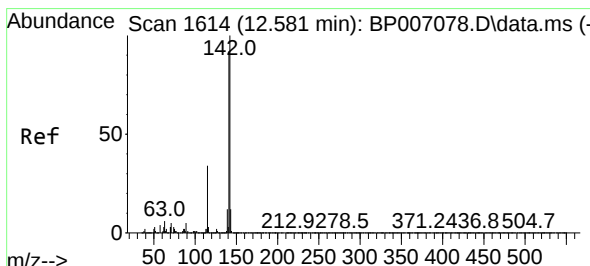
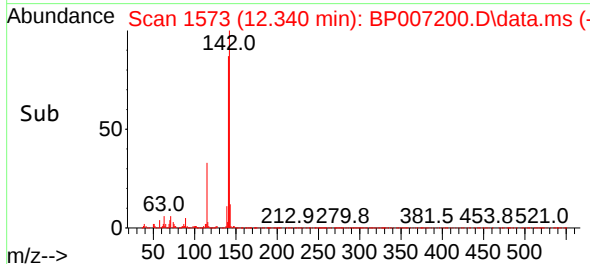
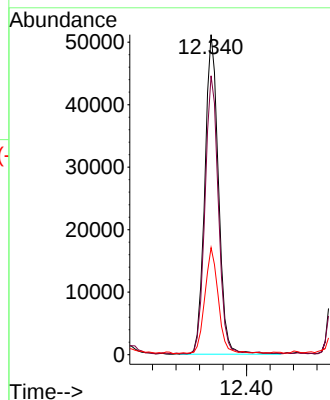
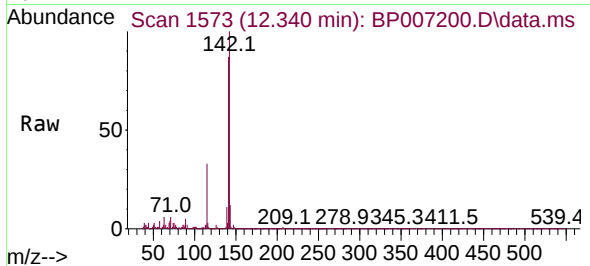




#37
2-Methylnaphthalene
Concen: 2.917 ng
RT: 12.340 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

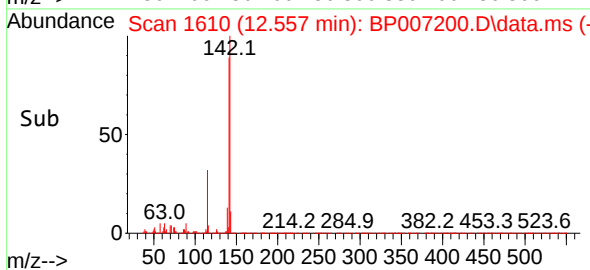
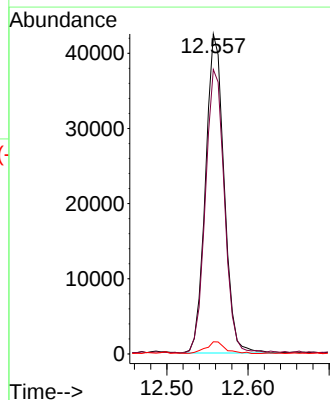
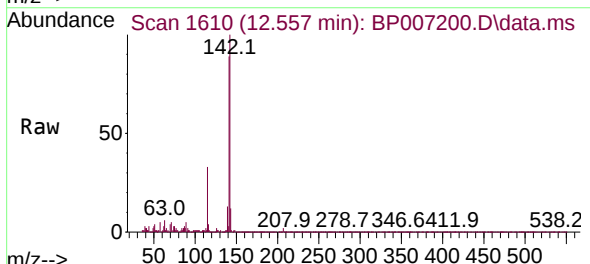
Instrument :
BNA_P
ClientSampleId :

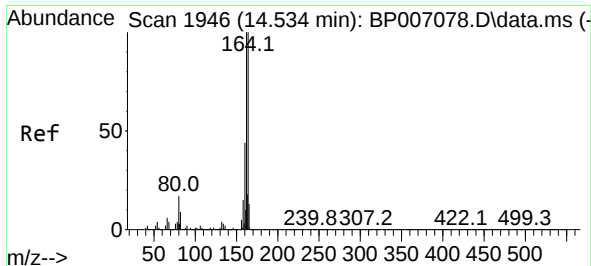
Tgt Ion:142	Resp:	82204
Ion Ratio	Lower	Upper
142	100	
141	87.2	71.8 107.6
115	33.5	31.6 47.4



#38
1-Methylnaphthalene
Concen: 2.448 ng
RT: 12.557 min Scan# 1610
Delta R.T. -0.018 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:142	Resp:	67407
Ion Ratio	Lower	Upper
142	100	
141	88.9	73.3 109.9
116	3.8	3.5 5.3

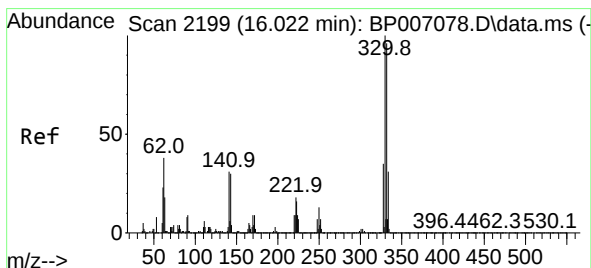
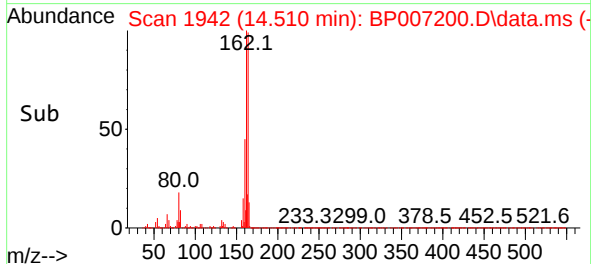
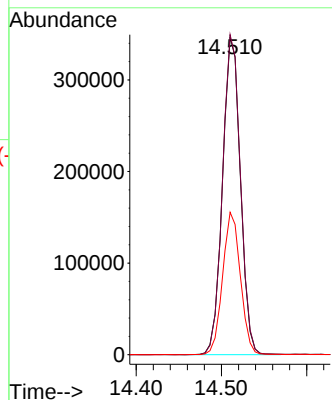
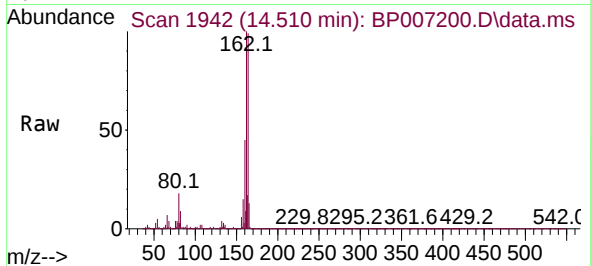




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

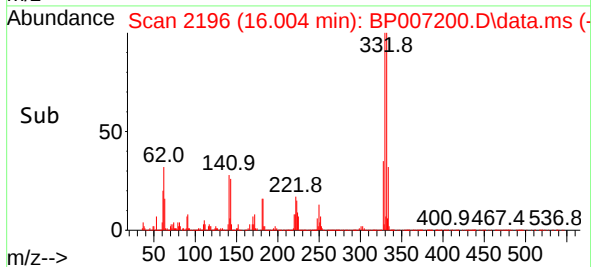
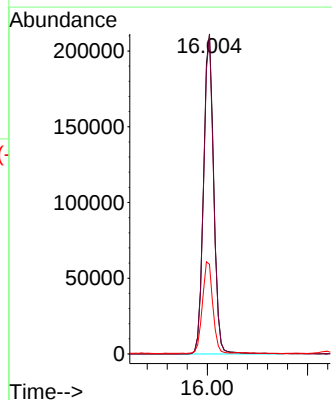
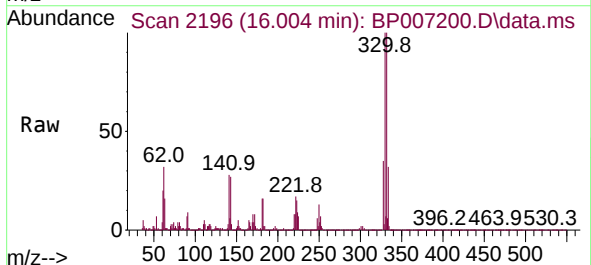
Instrument :
BNA_P
ClientSampleId :

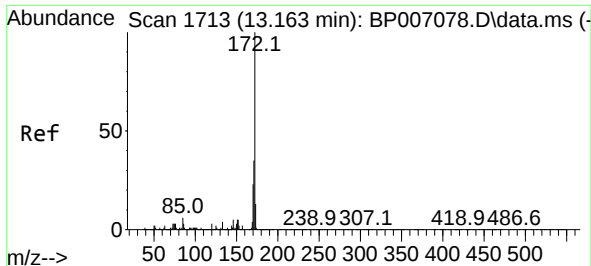
Tgt Ion:164 Resp: 505298
Ion Ratio Lower Upper
164 100
162 100.8 80.2 120.2
160 44.9 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 45.476 ng
RT: 16.004 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:330 Resp: 297911
Ion Ratio Lower Upper
330 100
332 97.8 77.8 116.8
141 29.2 25.4 38.2

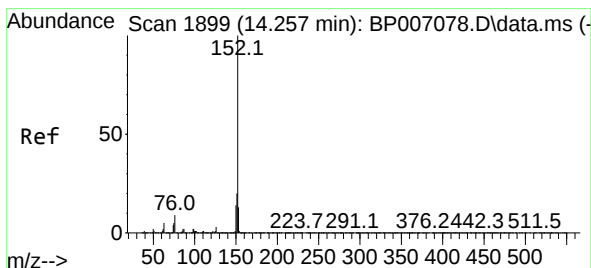
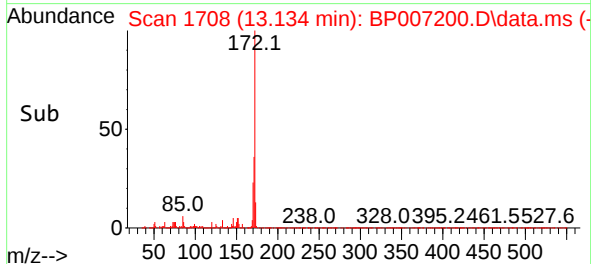
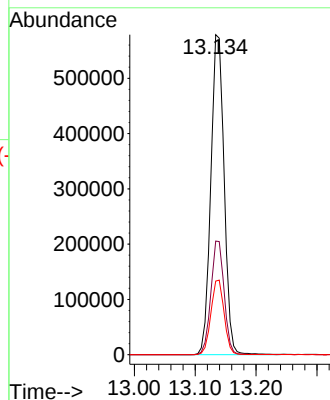
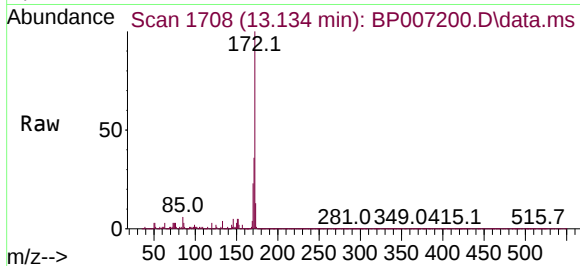




#45
2-Fluorobiphenyl
Concen: 24.929 ng
RT: 13.134 min Scan# 1708
Delta R.T. -0.018 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

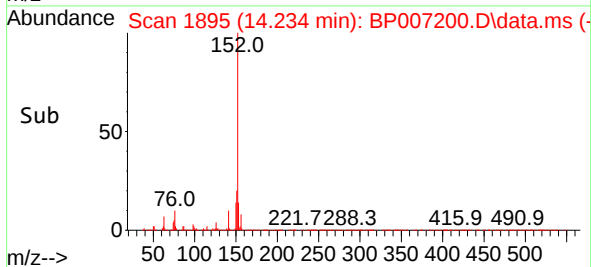
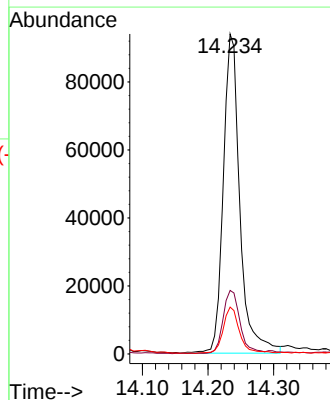
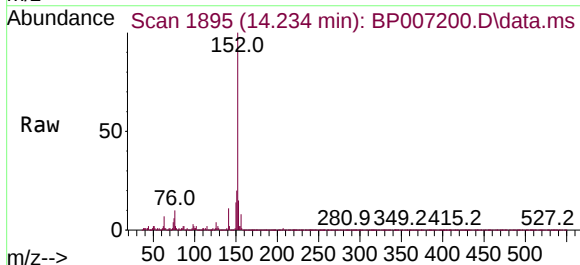
Instrument :
BNA_P
ClientSampleId :

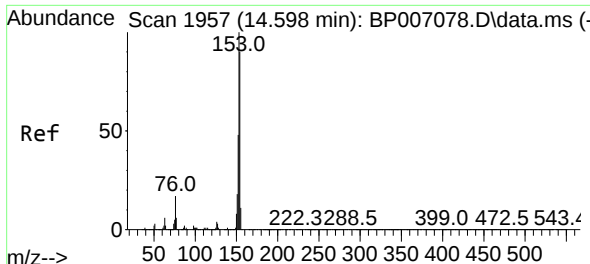
Tgt Ion:172	Resp: 879263
Ion Ratio	Lower Upper
172	100
171	35.5 27.9 41.9
170	23.0 18.6 27.8



#49
Acenaphthylene
Concen: 3.667 ng
RT: 14.234 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:152	Resp: 164425
Ion Ratio	Lower Upper
152	100
151	19.8 16.2 24.2
153	14.6 10.6 16.0

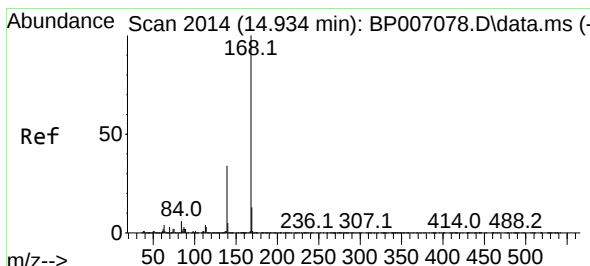
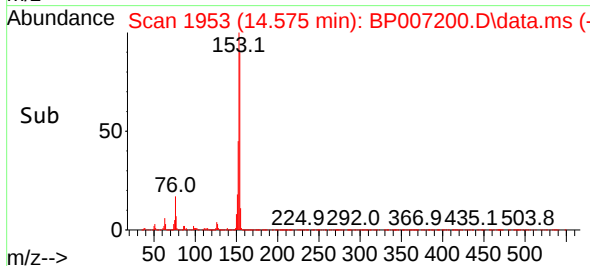
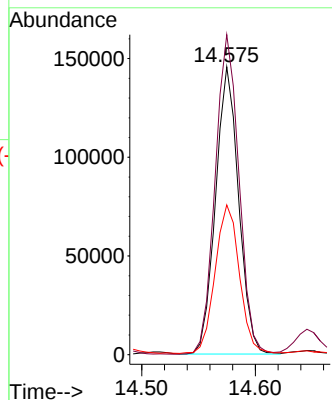
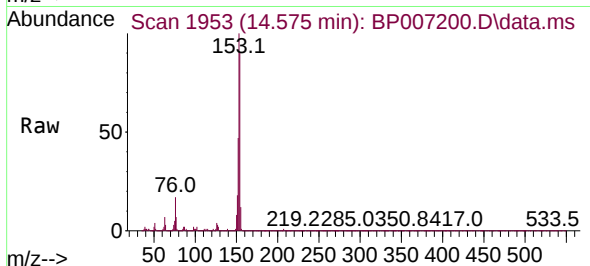




#52
Acenaphthene
Concen: 7.551 ng
RT: 14.575 min Scan# 1953
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

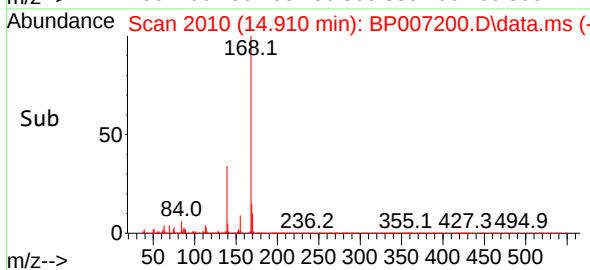
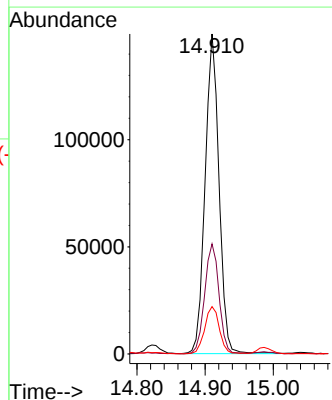
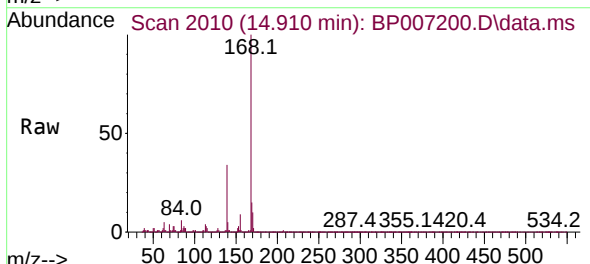
Instrument :
BNA_P
ClientSampleId :

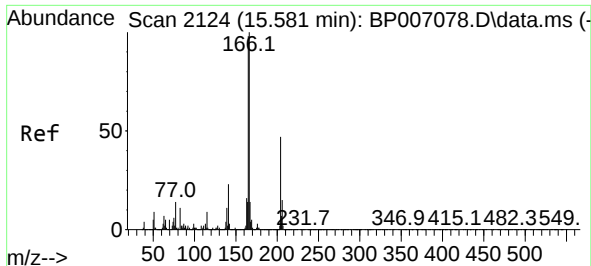
Tgt Ion:154 Resp: 205150
Ion Ratio Lower Upper
154 100
153 111.2 89.4 134.2
152 52.0 43.0 64.4



#55
Dibenzofuran
Concen: 4.661 ng
RT: 14.910 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:168 Resp: 211298
Ion Ratio Lower Upper
168 100
139 34.4 31.0 46.6
169 14.8 10.8 16.2

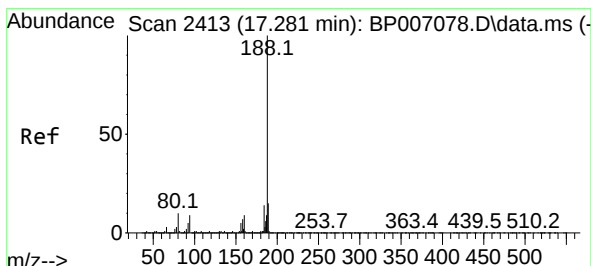
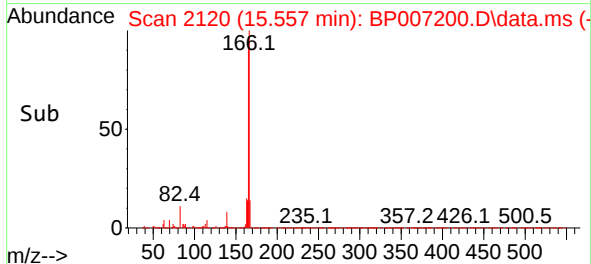
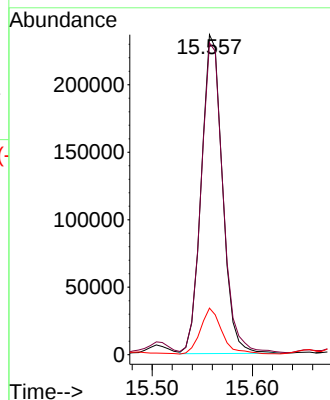
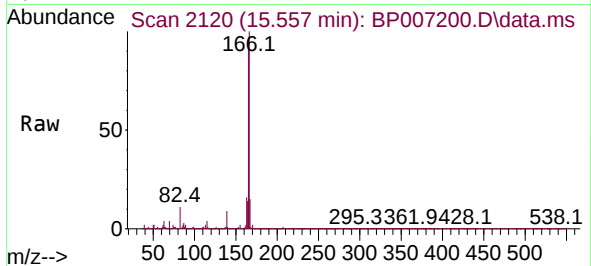




#58
Fluorene
Concen: 9.891 ng
RT: 15.557 min Scan# 2120
Delta R.T. -0.018 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

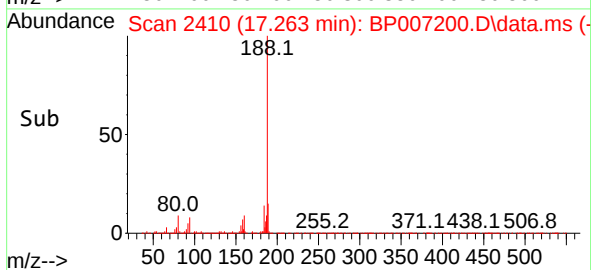
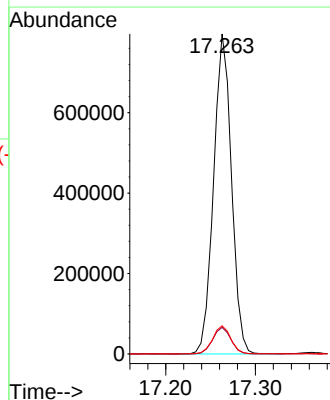
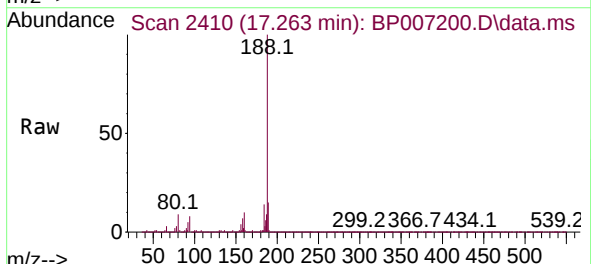
Instrument :
BNA_P
ClientSampled :

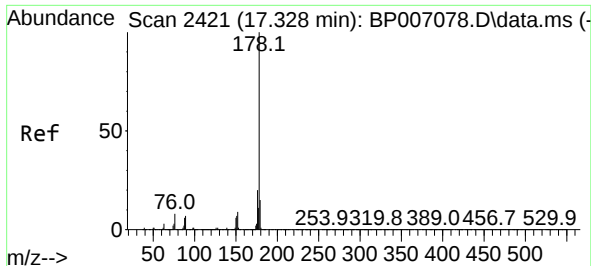
Tgt Ion:166 Resp: 346361
Ion Ratio Lower Upper
166 100
165 97.4 78.0 117.0
167 14.6 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2410
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:188 Resp: 1100388
Ion Ratio Lower Upper
188 100
94 8.3 5.6 8.4
80 8.8 6.3 9.5

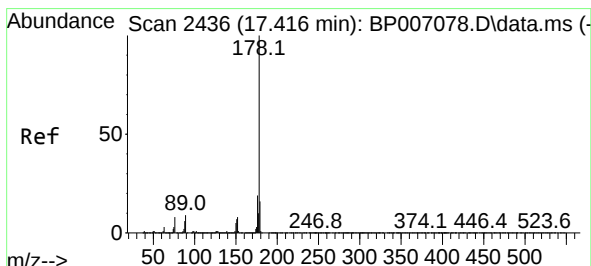
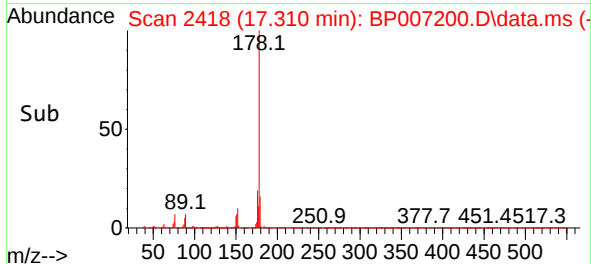
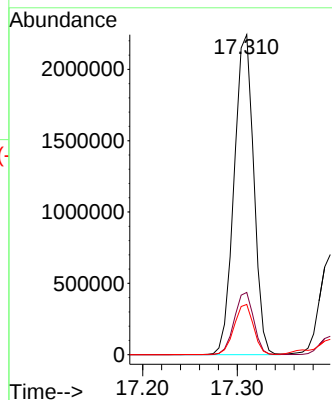
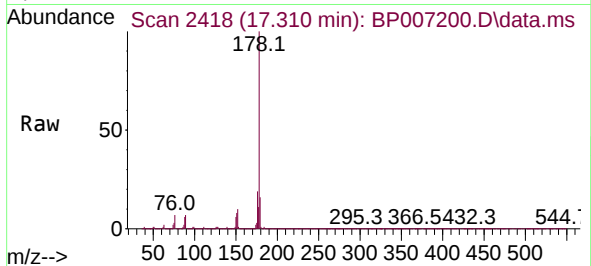




#71
Phenanthrene
Concen: 54.606 ng
RT: 17.310 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

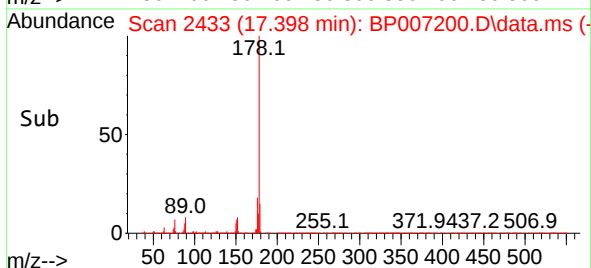
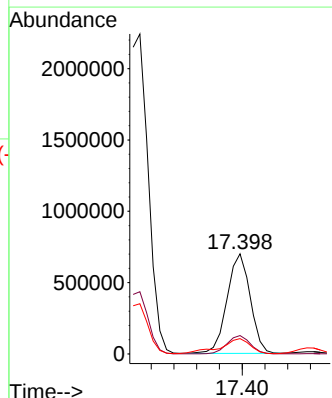
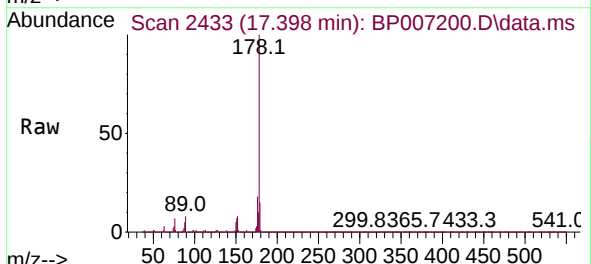
Instrument :
BNA_P
ClientSampleId :

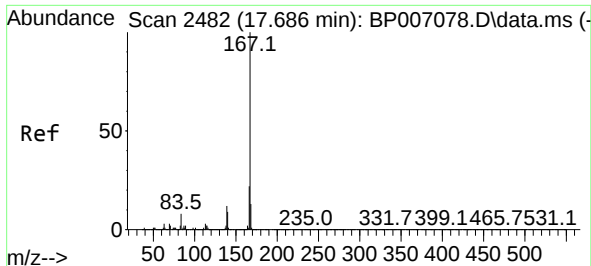
Tgt Ion:178 Resp: 3221845
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.7 12.4 18.6



#72
Anthracene
Concen: 17.126 ng
RT: 17.398 min Scan# 2433
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:178 Resp: 988502
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.3 12.2 18.2

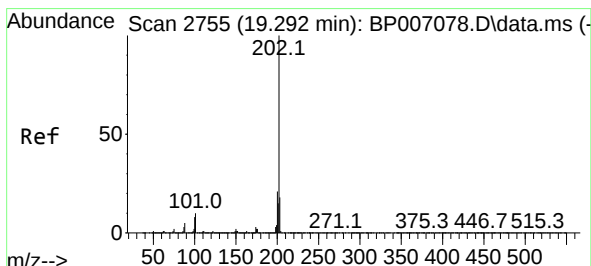
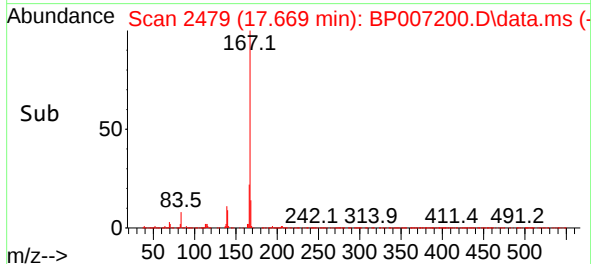
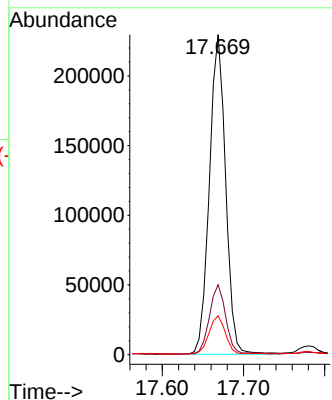
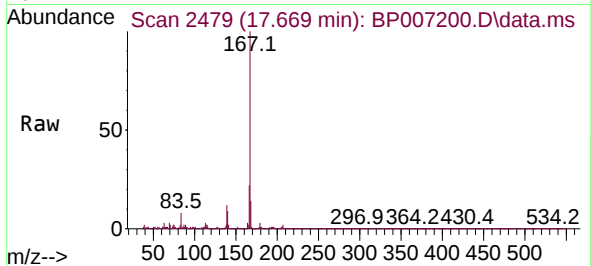




#73
 Carbazole
 Concen: 5.613 ng
 RT: 17.669 min Scan# 2479
 Delta R.T. -0.012 min
 Lab File: BP007200.D
 Acq: 25 Sep 2021 22:57

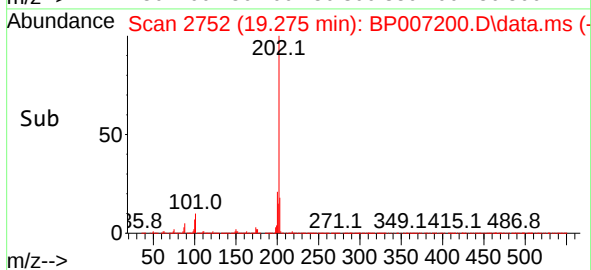
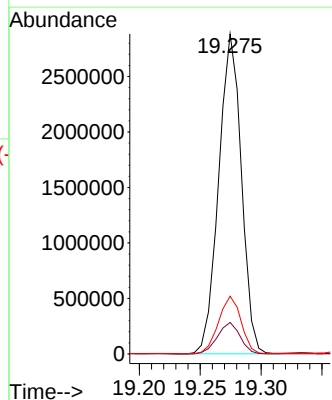
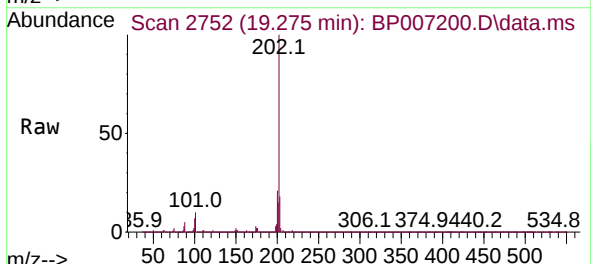
Instrument :
 BNA_P
 ClientSampled :

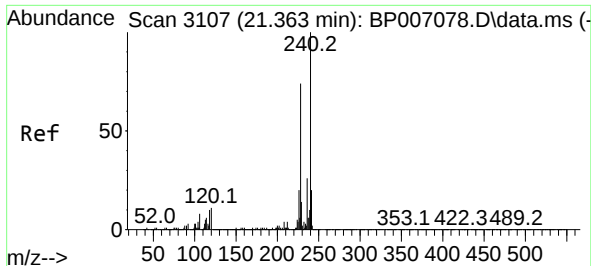
Tgt Ion:167 Resp: 317470
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.1 25.7
 139 12.1 10.7 16.1



#75
 Fluoranthene
 Concen: 54.988 ng
 RT: 19.275 min Scan# 2752
 Delta R.T. -0.006 min
 Lab File: BP007200.D
 Acq: 25 Sep 2021 22:57

Tgt Ion:202 Resp: 3737962
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 27.6
 203 18.0 0.0 37.8

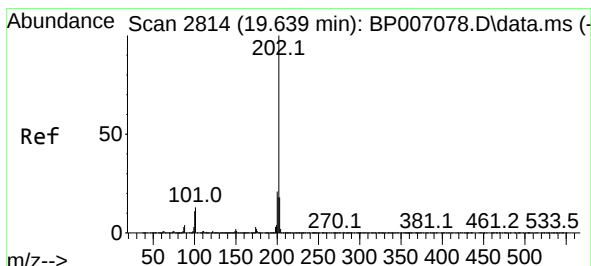
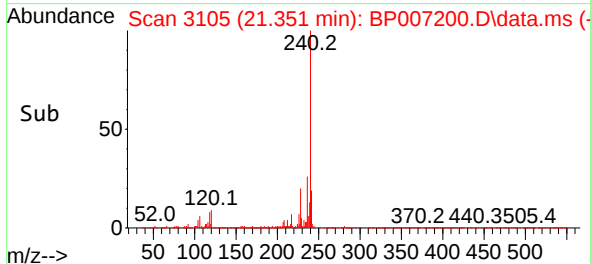
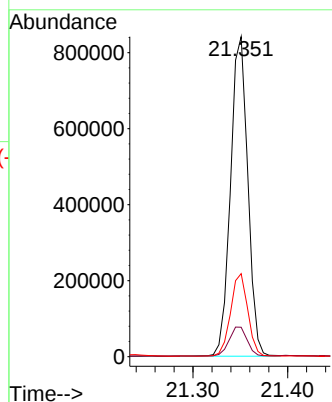
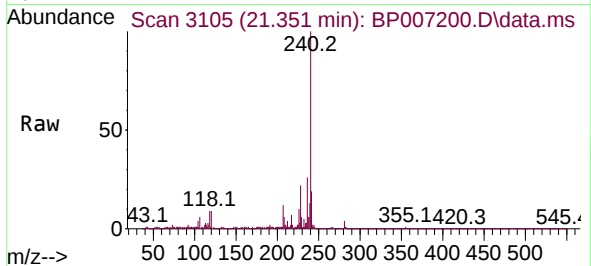




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.351 min Scan# 3105
Delta R.T. -0.006 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

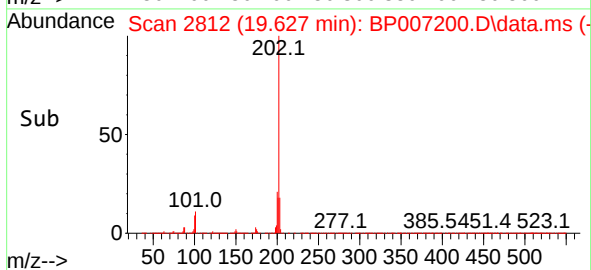
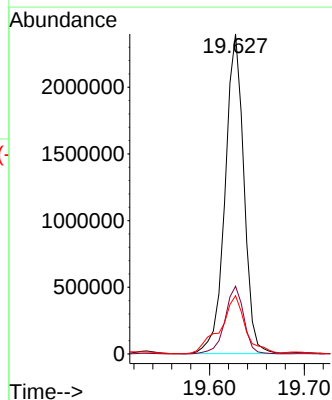
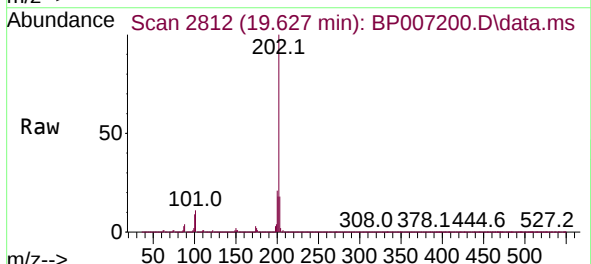
Instrument :
BNA_P
ClientSampled :

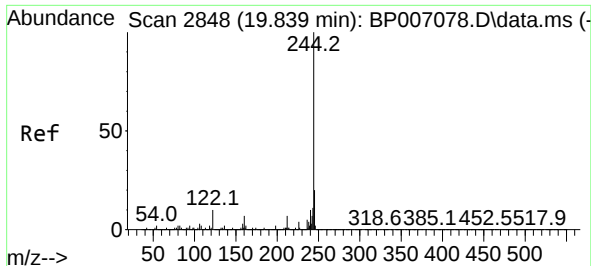
Tgt Ion:240 Resp: 1065140
Ion Ratio Lower Upper
240 100
120 9.2 6.5 9.7
236 26.0 20.6 31.0



#78
Pyrene
Concen: 47.183 ng
RT: 19.627 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:202 Resp: 3297301
Ion Ratio Lower Upper
202 100
200 21.1 16.3 24.5
203 18.2 14.2 21.2

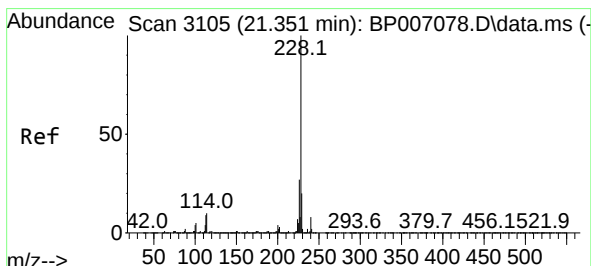
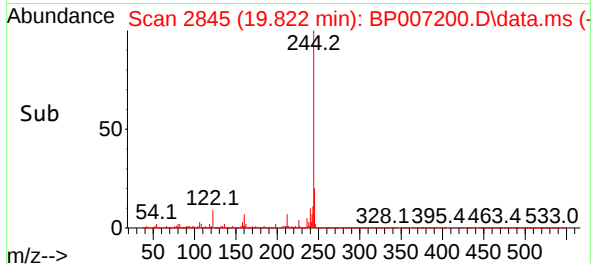
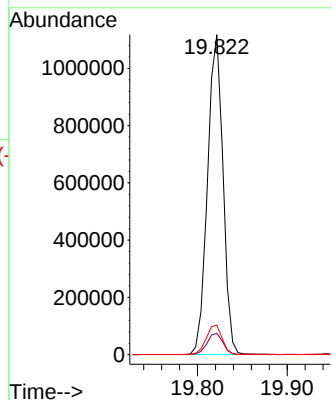
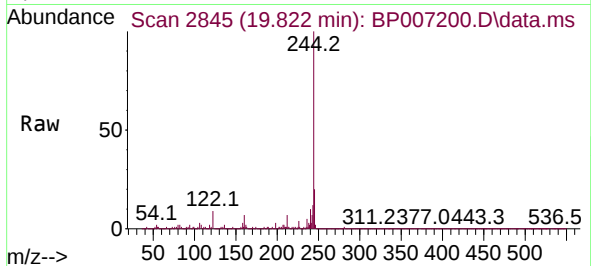




#79
 Terphenyl-d14
 Concen: 24.083 ng
 RT: 19.822 min Scan# 2845
 Delta R.T. -0.012 min
 Lab File: BP007200.D
 Acq: 25 Sep 2021 22:57

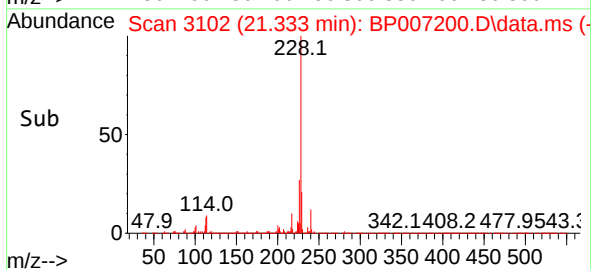
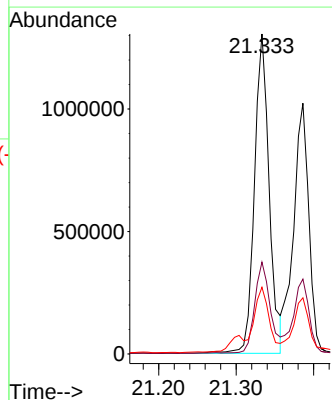
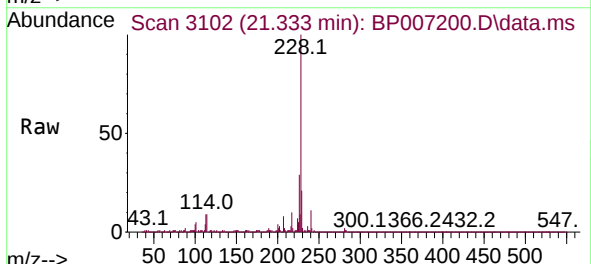
Instrument :
 BNA_P
 ClientSampleId :

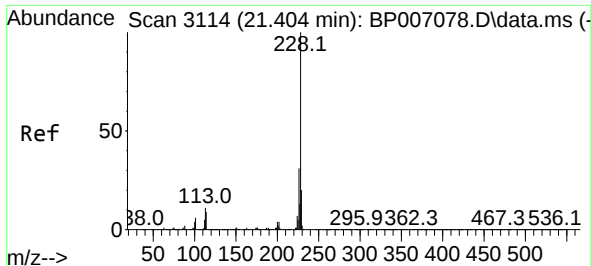
Tgt Ion:244 Resp: 1338621
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 9.2 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 24.896 ng
 RT: 21.333 min Scan# 3102
 Delta R.T. -0.012 min
 Lab File: BP007200.D
 Acq: 25 Sep 2021 22:57

Tgt Ion:228 Resp: 1721261
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.6 32.4
 229 20.9 15.8 23.6

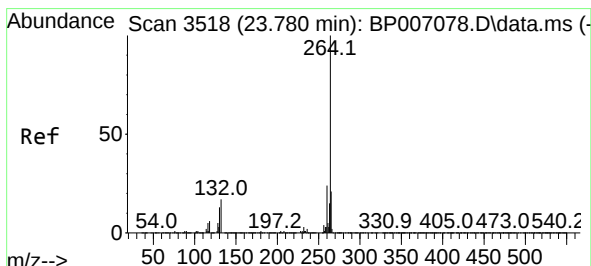
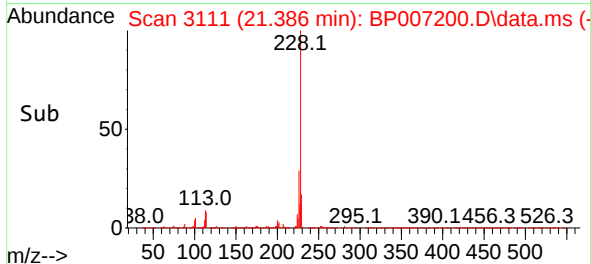
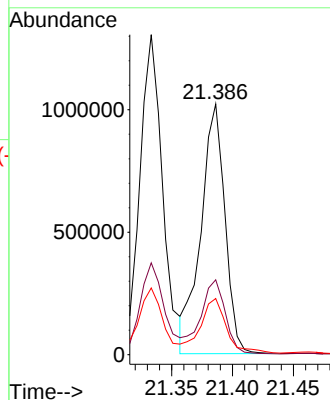
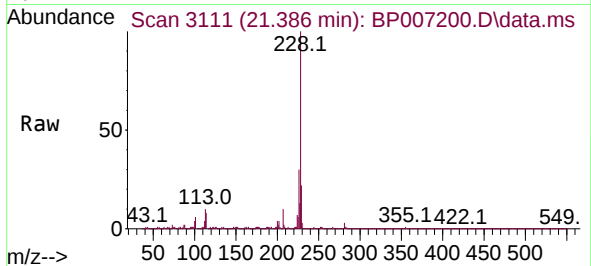




#83
Chrysene
Concen: 21.200 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

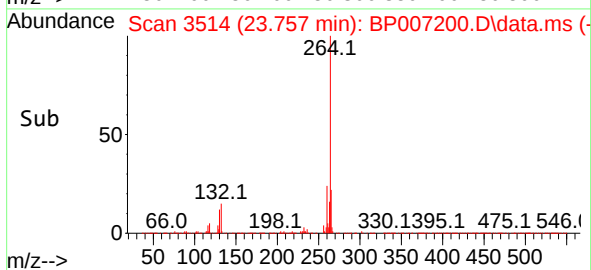
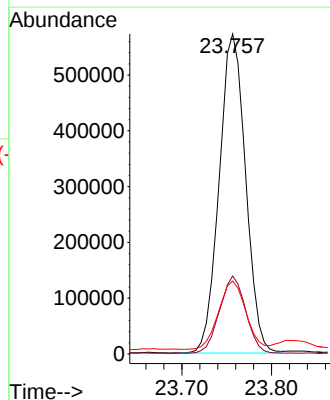
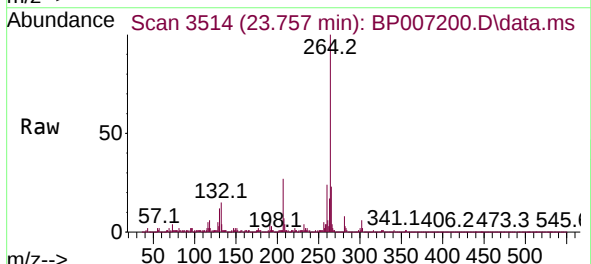
Instrument :
BNA_P
ClientSampleId :

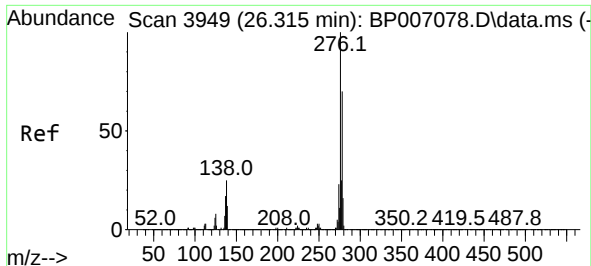
Tgt Ion:228 Resp: 1400853
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.6
229 22.4 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.757 min Scan# 3514
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:264 Resp: 1167392
Ion Ratio Lower Upper
264 100
260 24.3 18.6 28.0
265 22.8 17.6 26.4

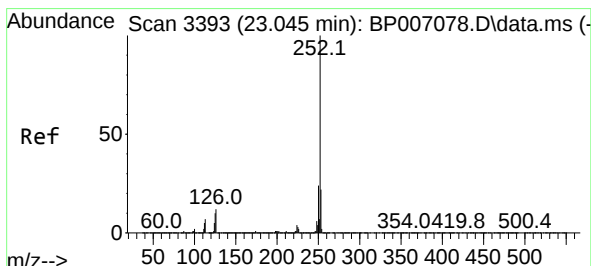
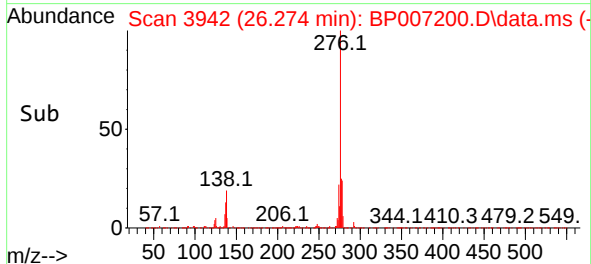
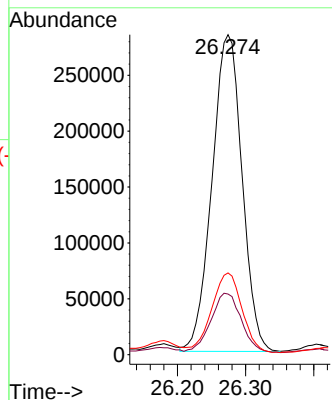
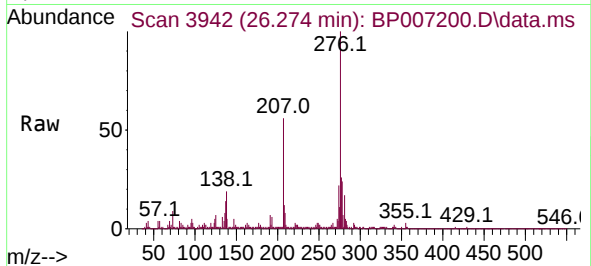




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.364 ng
RT: 26.274 min Scan# 3942
Delta R.T. -0.030 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

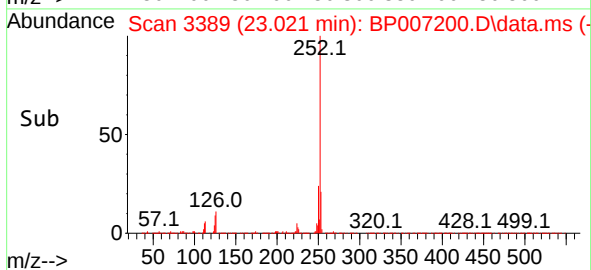
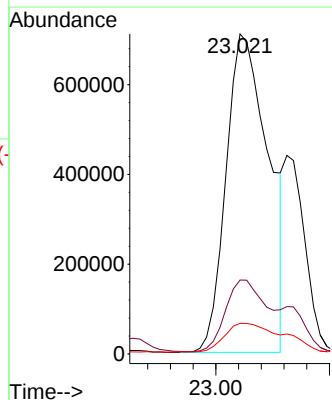
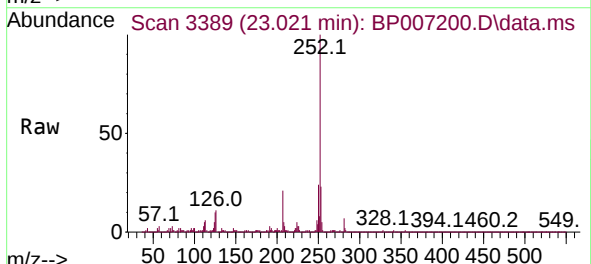
Instrument :
BNA_P
ClientSampleId :

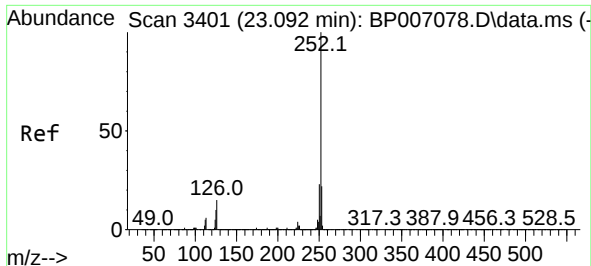
Tgt Ion:276 Resp: 869446
Ion Ratio Lower Upper
276 100
138 19.0 15.3 22.9
277 25.4 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 26.320 ng
RT: 23.021 min Scan# 3389
Delta R.T. -0.012 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:252 Resp: 1836201
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 9.6 6.2 9.4#

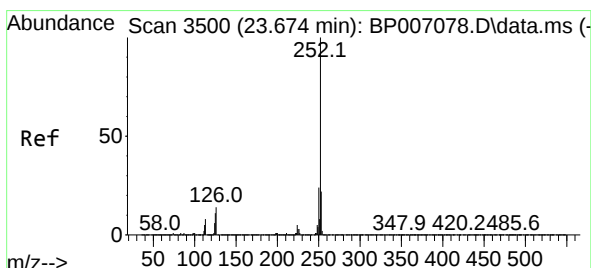
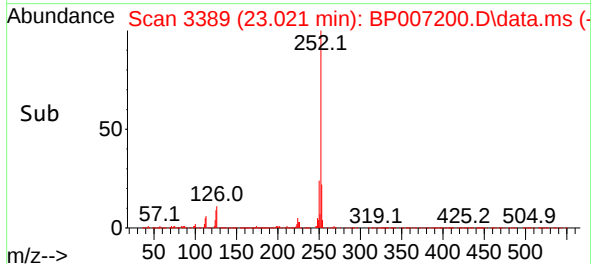
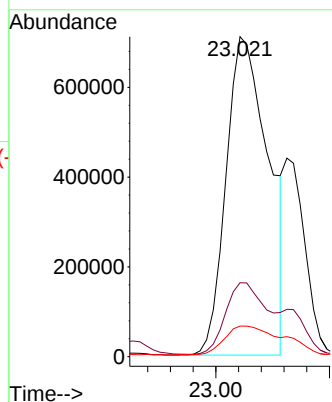
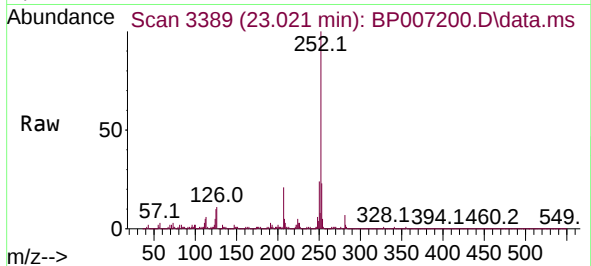




#89
Benzo(k)fluoranthene
Concen: 25.995 ng
RT: 23.021 min Scan# 3389
Delta R.T. -0.065 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

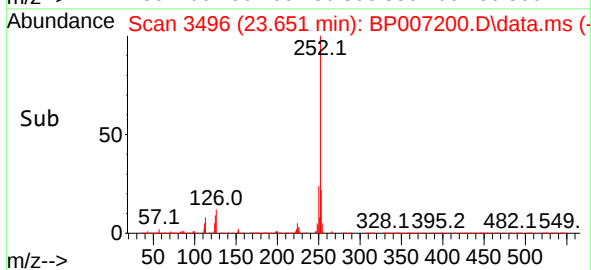
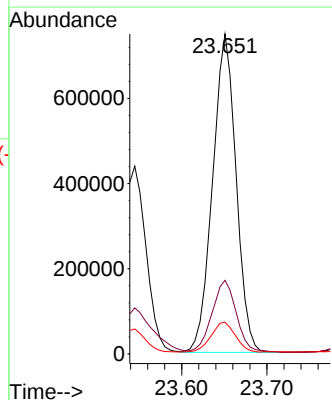
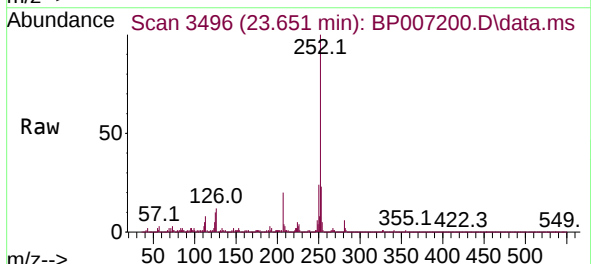
Instrument :
BNA_P
ClientSampleId :

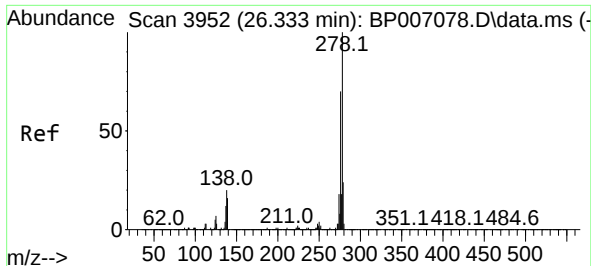
Tgt Ion:252 Resp: 1836201
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 9.6 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 24.178 ng
RT: 23.651 min Scan# 3496
Delta R.T. -0.018 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:252 Resp: 1433053
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 9.9 6.5 9.7#

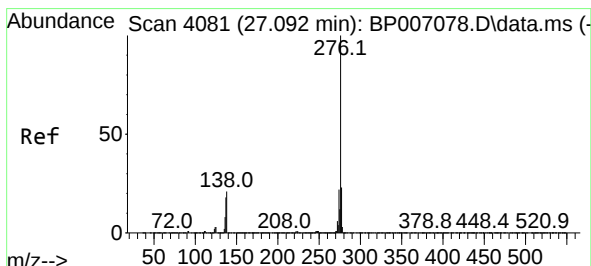
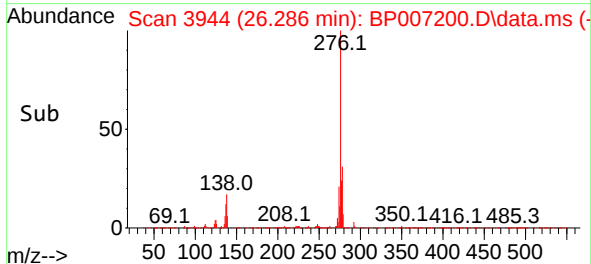
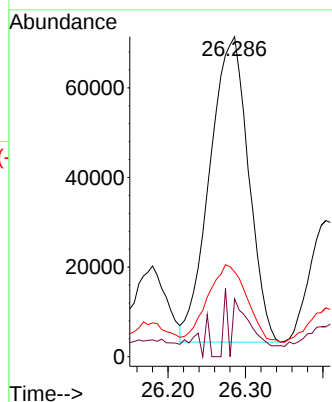
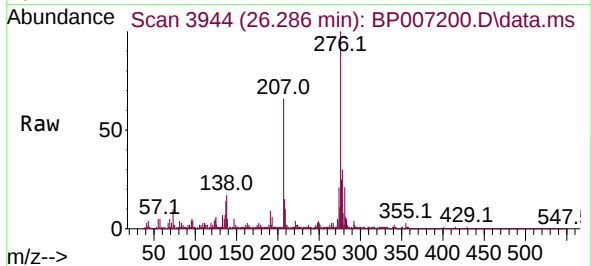




#91
Dibenzo(a,h)anthracene
Concen: 3.371 ng
RT: 26.286 min Scan# 3944
Delta R.T. -0.030 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Instrument :
BNA_P
ClientSampled :

Tgt Ion:278 Resp: 237014
Ion Ratio Lower Upper
278 100
139 18.1 9.3 13.9#
279 26.5 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 12.207 ng
RT: 27.051 min Scan# 4074
Delta R.T. -0.024 min
Lab File: BP007200.D
Acq: 25 Sep 2021 22:57

Tgt Ion:276 Resp: 837516
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 19.9 12.6 18.8#

