

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092521\
 Data File : BP007198.D
 Acq On : 25 Sep 2021 21:49
 Operator : CG/JU
 Sample : M3917-04DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 26 02:17:01 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)

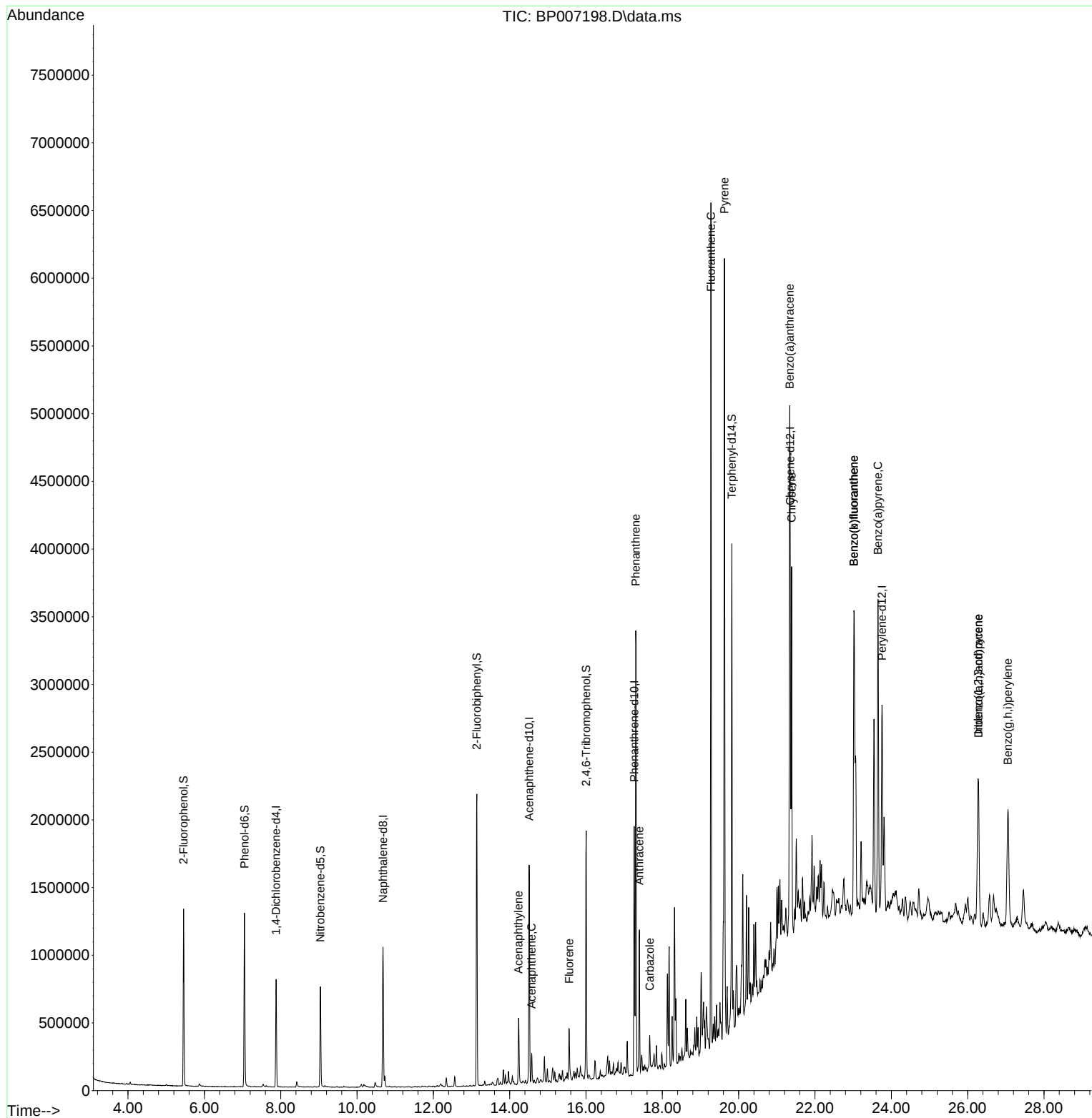
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	224259	20.000	ng	-0.01
21) Naphthalene-d8	10.681	136	895481	20.000	ng	#-0.01
39) Acenaphthene-d10	14.510	164	565659	20.000	ng	-0.02
64) Phenanthrene-d10	17.263	188	1144734	20.000	ng	-0.01
76) Chrysene-d12	21.351	240	1073354	20.000	ng	0.00
86) Perylene-d12	23.757	264	1183531	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	608254	45.402	ng	0.00
7) Phenol-d6	7.052	99	786784	42.969	ng	-0.01
23) Nitrobenzene-d5	9.040	82	449326	29.221	ng	-0.02
42) 2,4,6-Tribromophenol	16.004	330	359509	49.023	ng	-0.01
45) 2-Fluorobiphenyl	13.140	172	1183421	29.972	ng	-0.01
79) Terphenyl-d14	19.822	244	1642478	29.323	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.234	152	389691	7.763	ng	99
52) Acenaphthene	14.575	154	82709	2.719	ng	97
58) Fluorene	15.557	166	184799	4.714	ng	99
71) Phenanthrene	17.304	178	2074405	33.796	ng	99
72) Anthracene	17.398	178	680149	11.327	ng	99
73) Carbazole	17.669	167	157744	2.681	ng	98
75) Fluoranthene	19.275	202	3632410	51.365	ng	98
78) Pyrene	19.628	202	3543158	50.313	ng	99
81) Benzo(a)anthracene	21.333	228	1712668	24.582	ng	96
83) Chrysene	21.386	228	1549514	23.270	ng	96
87) Indeno(1,2,3-cd)pyrene	26.274	276	1202436	14.137	ng	99
88) Benzo(b)fluoranthene	23.021	252	2247631	31.778	ng	# 97
89) Benzo(k)fluoranthene	23.021	252	2247631	31.386	ng	# 97
90) Benzo(a)pyrene	23.651	252	1746950	29.072	ng	# 96
91) Dibenzo(a,h)anthracene	26.286	278	294225	4.128	ng	# 87
92) Benzo(g,h,i)perylene	27.057	276	1220255	17.543	ng	# 95

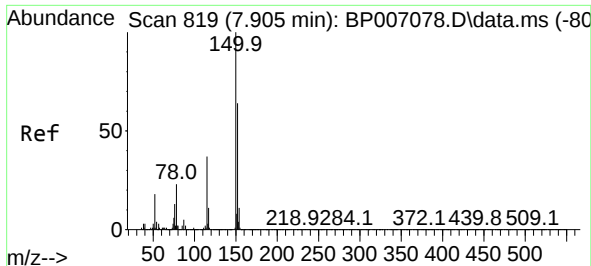
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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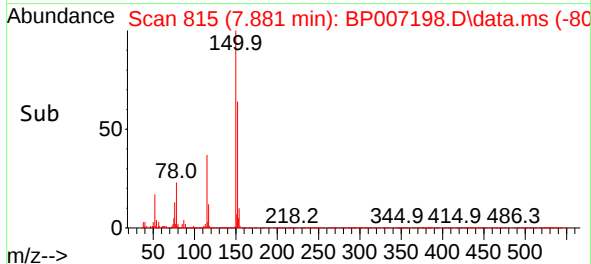
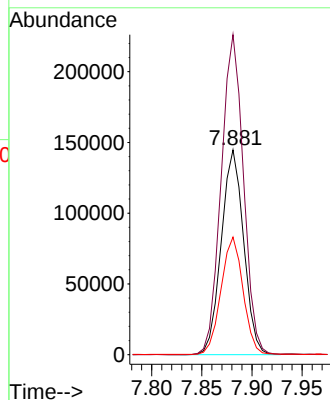
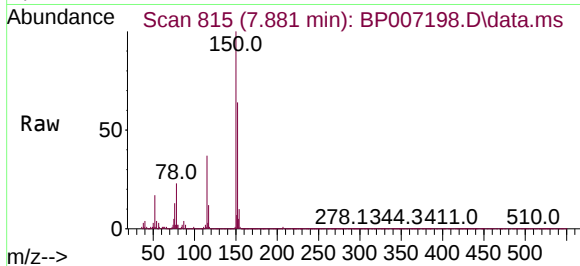




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 815
Delta R.T. -0.012 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

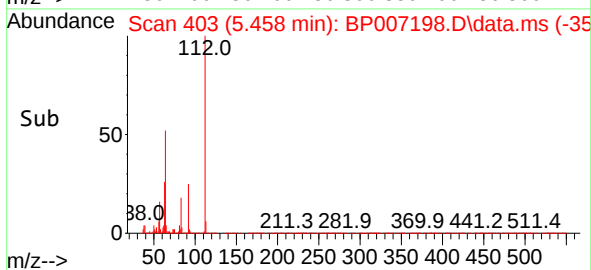
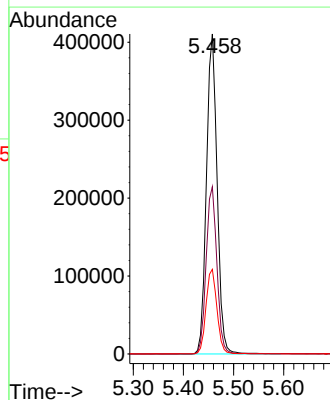
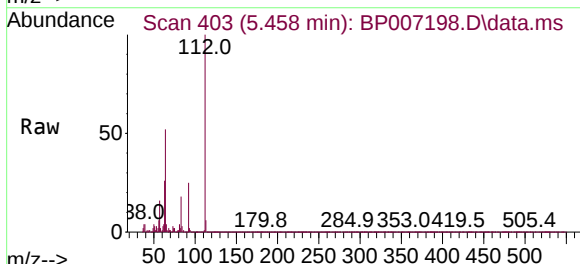
Instrument :
BNA_P
ClientSampleId :

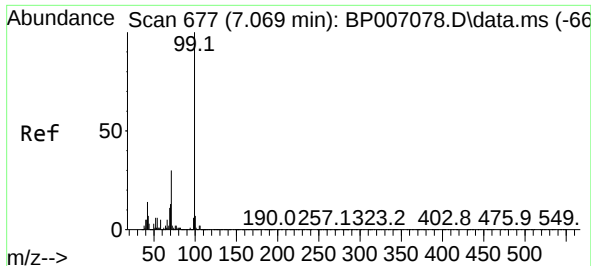
Tgt Ion:152 Resp: 224259
Ion Ratio Lower Upper
152 100
150 156.2 125.6 188.4
115 57.4 48.5 72.7



#5
2-Fluorophenol
Concen: 45.402 ng
RT: 5.458 min Scan# 403
Delta R.T. -0.006 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

Tgt Ion:112 Resp: 608254
Ion Ratio Lower Upper
112 100
64 52.2 41.4 62.2
63 26.4 23.8 35.8

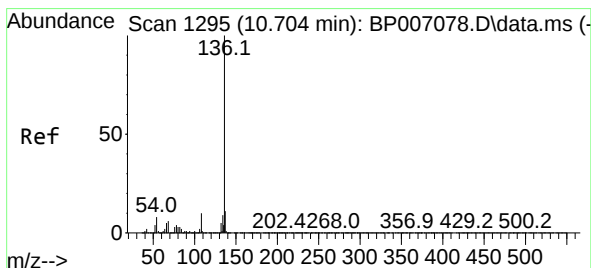
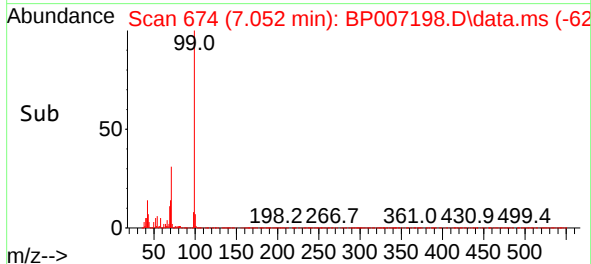
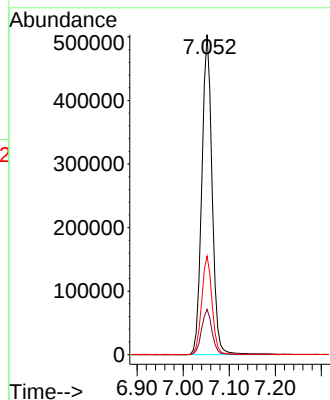
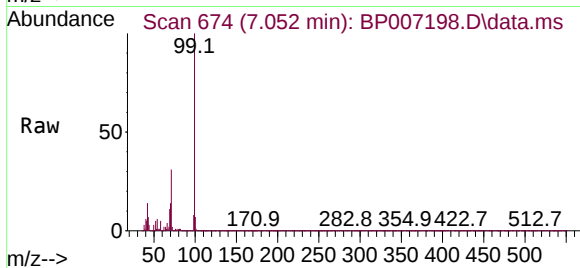




#7
Phenol-d6
Concen: 42.969 ng
RT: 7.052 min Scan# 674
Delta R.T. -0.012 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

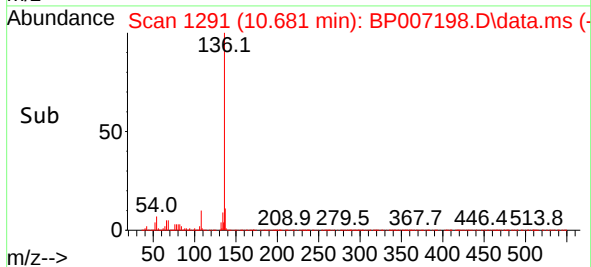
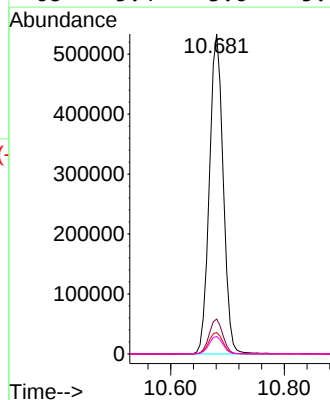
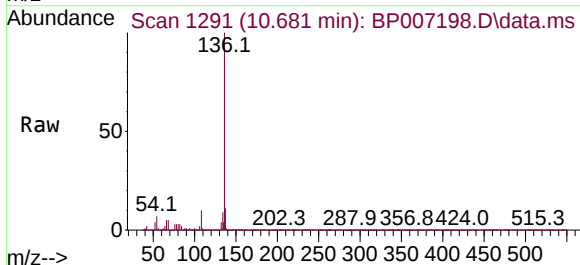
Instrument :
BNA_P
ClientSampleId :

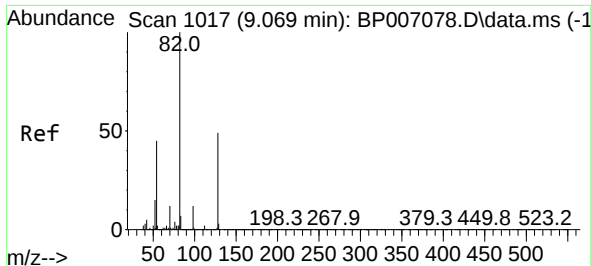
Tgt Ion:	99	Resp:	786784
Ion	Ratio	Lower	Upper
99	100		
42	14.1	13.4	20.0
71	30.8	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.681 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

Tgt Ion:	136	Resp:	895481
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.7	4.6	6.8
68	5.4	3.6	5.4





#23

Nitrobenzene-d5

Concen: 29.221 ng

RT: 9.040 min Scan# 1012

Delta R.T. -0.018 min

Lab File: BP007198.D

Acq: 25 Sep 2021 21:49

Tgt Ion: 82 Resp: 449326

Ion Ratio Lower Upper

82 100

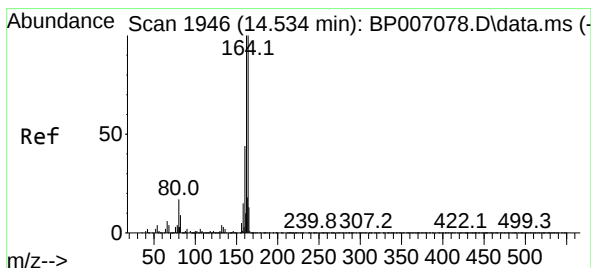
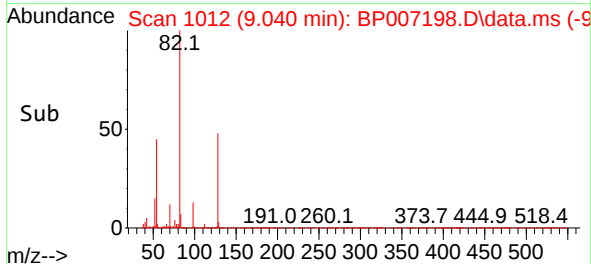
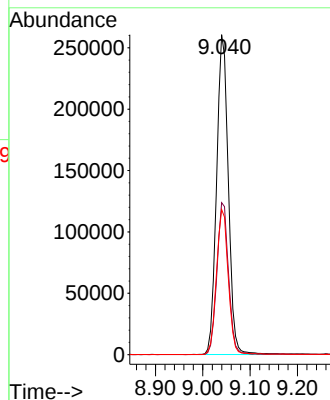
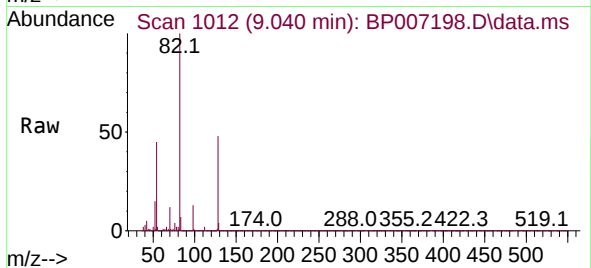
128 47.5 35.7 53.5

54 45.3 35.0 52.4

Instrument :

BNA_P

ClientSampled :



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.510 min Scan# 1942

Delta R.T. -0.018 min

Lab File: BP007198.D

Acq: 25 Sep 2021 21:49

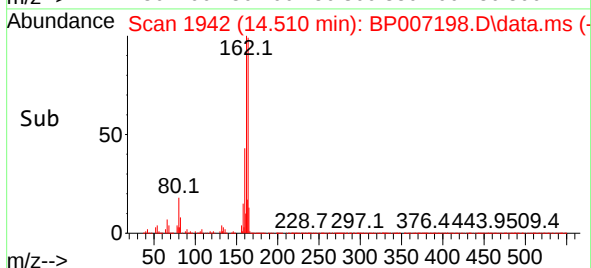
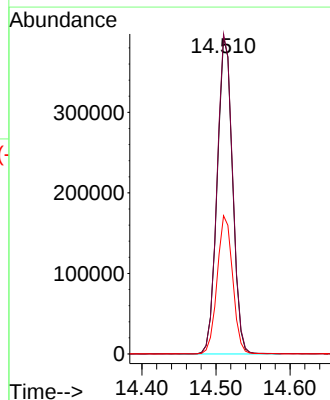
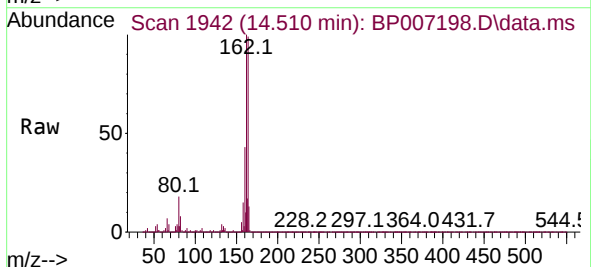
Tgt Ion:164 Resp: 565659

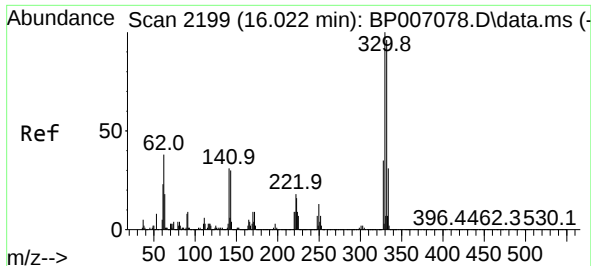
Ion Ratio Lower Upper

164 100

162 101.0 80.2 120.2

160 43.6 34.5 51.7

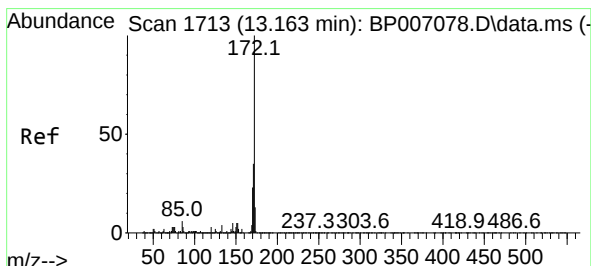
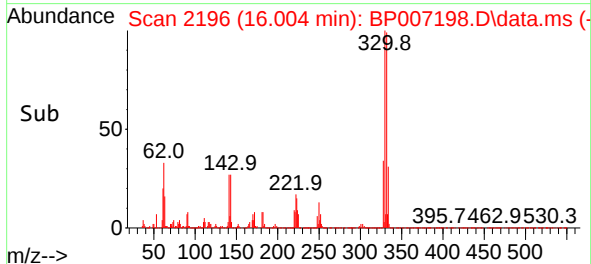
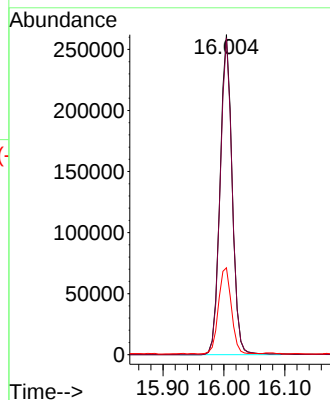
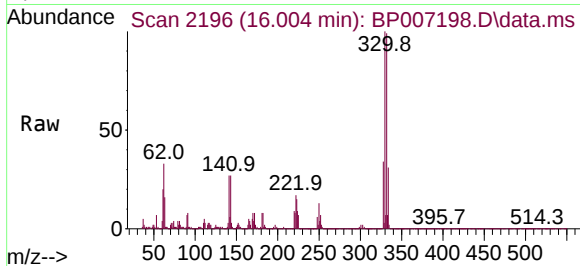




#42
2,4,6-Tribromophenol
Concen: 49.023 ng
RT: 16.004 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

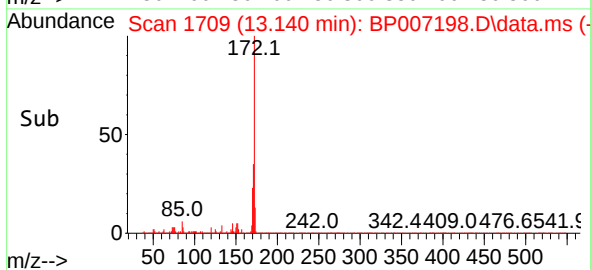
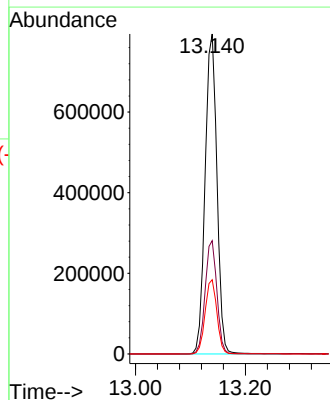
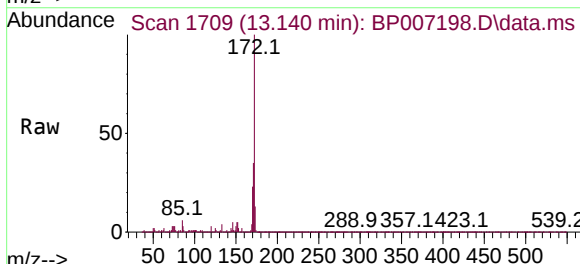
Instrument :
BNA_P
ClientSampleId :

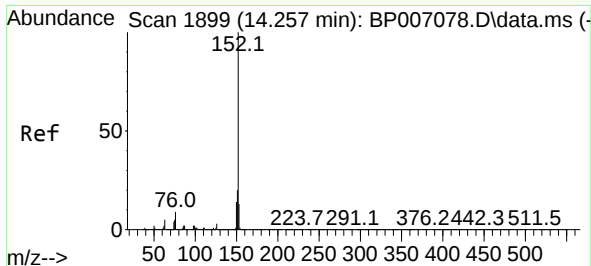
Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.8	116.8
141	28.7	25.4	38.2



#45
2-Fluorobiphenyl
Concen: 29.972 ng
RT: 13.140 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.9	41.9
170	23.2	18.6	27.8





#49

Acenaphthylene

Concen: 7.763 ng

RT: 14.234 min Scan# 1895

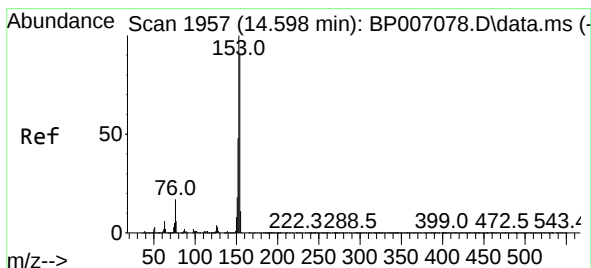
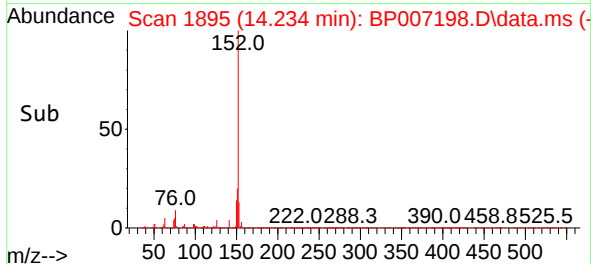
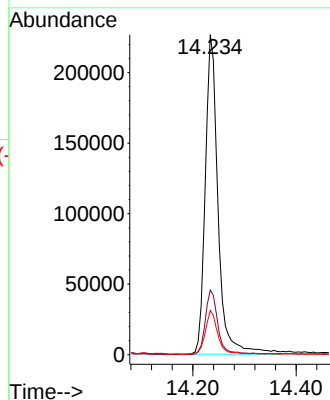
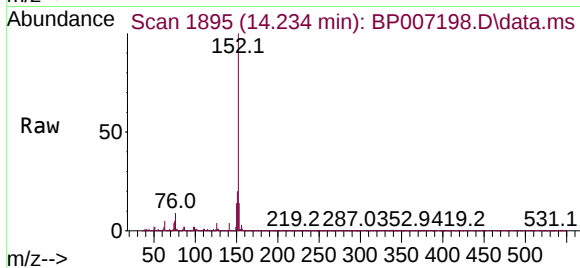
Delta R.T. -0.012 min

Lab File: BP007198.D

Acq: 25 Sep 2021 21:49

Tgt Ion:152	Resp:	389691
Ion Ratio	Lower	Upper
152	100	
151	20.2	16.2 24.2
153	13.8	10.6 16.0

Instrument :
BNA_P
ClientSampleId :



#52

Acenaphthene

Concen: 2.719 ng

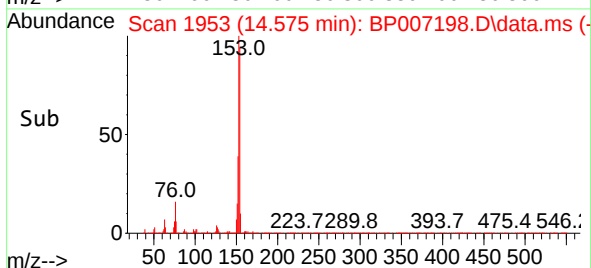
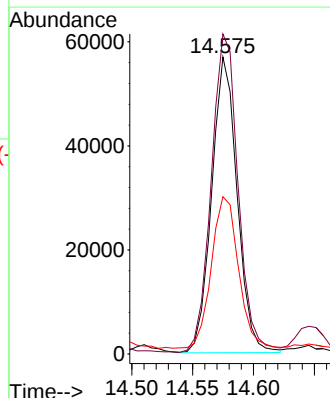
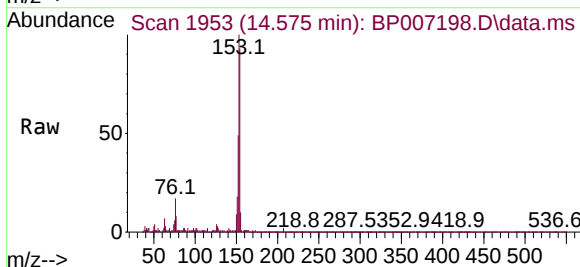
RT: 14.575 min Scan# 1953

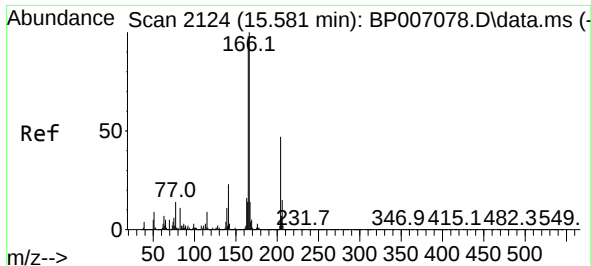
Delta R.T. -0.012 min

Lab File: BP007198.D

Acq: 25 Sep 2021 21:49

Tgt Ion:154	Resp:	82709
Ion Ratio	Lower	Upper
154	100	
153	107.7	89.4 134.2
152	53.0	43.0 64.4

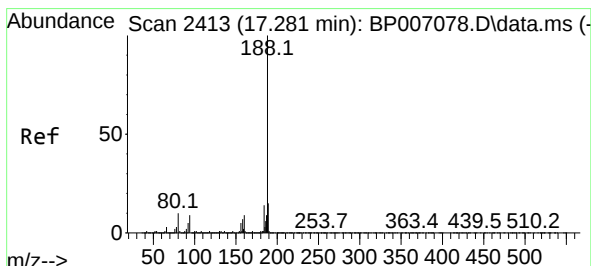
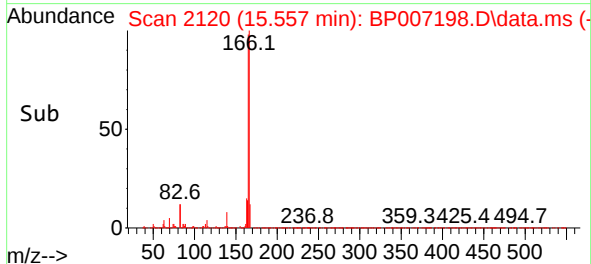
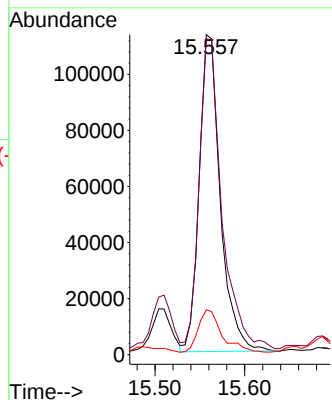
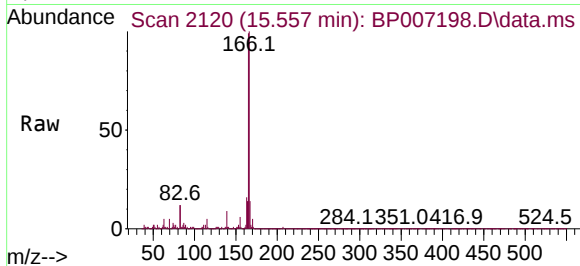




#58
Fluorene
Concen: 4.714 ng
RT: 15.557 min Scan# 2120
Delta R.T. -0.018 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

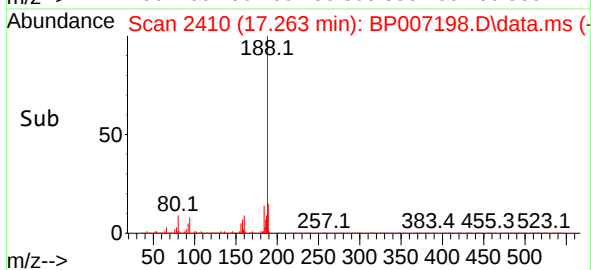
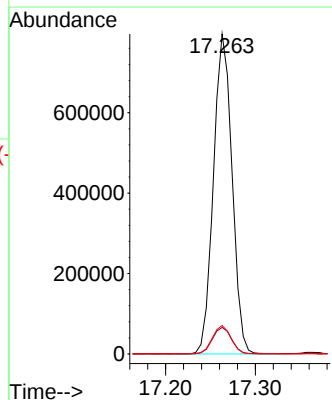
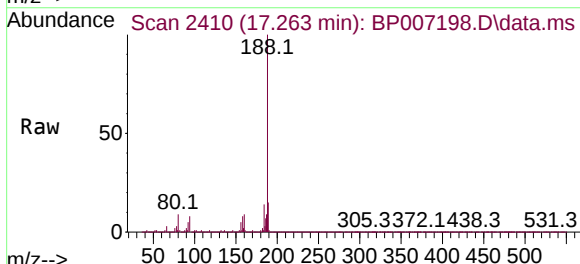
Instrument :
BNA_P
ClientSampleId :

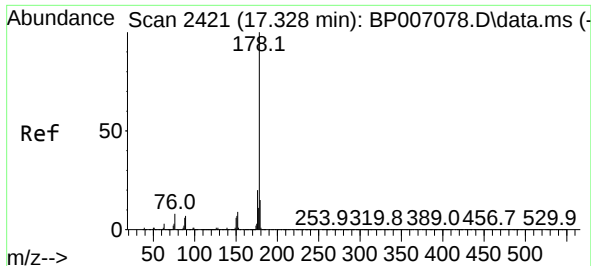
Tgt Ion:166 Resp: 184799
Ion Ratio Lower Upper
166 100
165 98.7 78.0 117.0
167 14.0 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2410
Delta R.T. -0.012 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

Tgt Ion:188 Resp: 1144734
Ion Ratio Lower Upper
188 100
94 8.3 5.6 8.4
80 8.9 6.3 9.5

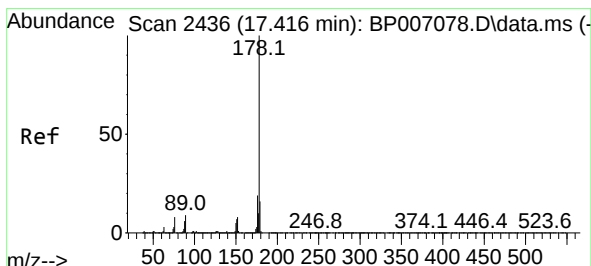
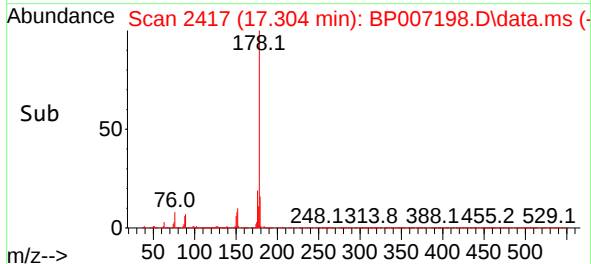
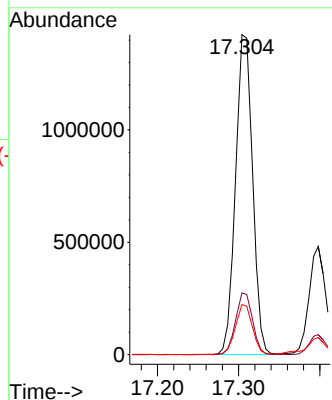
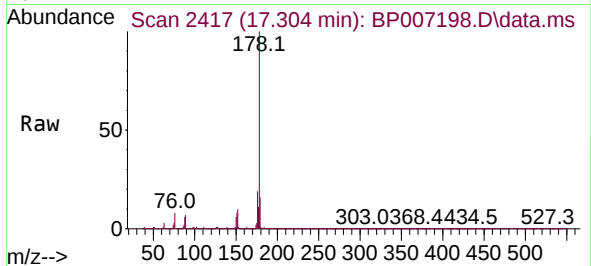




#71
Phenanthrene
Concen: 33.796 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

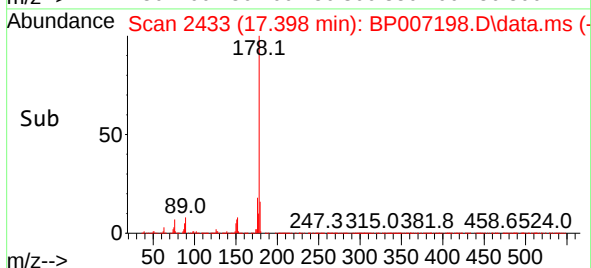
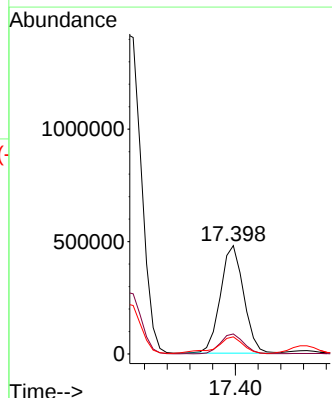
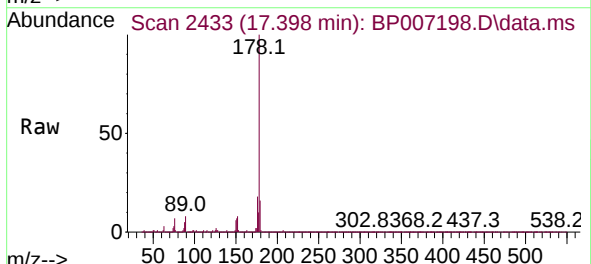
Instrument :
BNA_P
ClientSampleId :

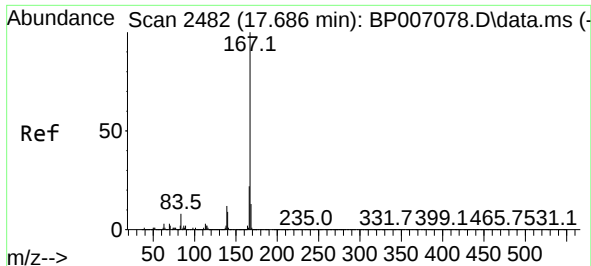
Tgt Ion:178 Resp: 2074405
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.7 12.4 18.6



#72
Anthracene
Concen: 11.327 ng
RT: 17.398 min Scan# 2433
Delta R.T. -0.012 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

Tgt Ion:178 Resp: 680149
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.8 12.2 18.2

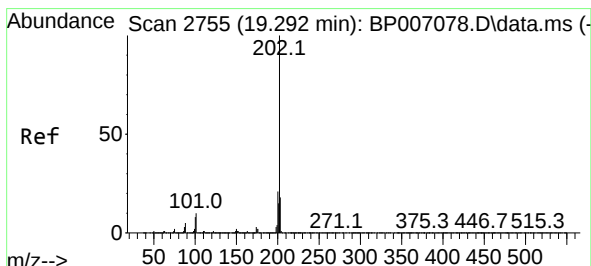
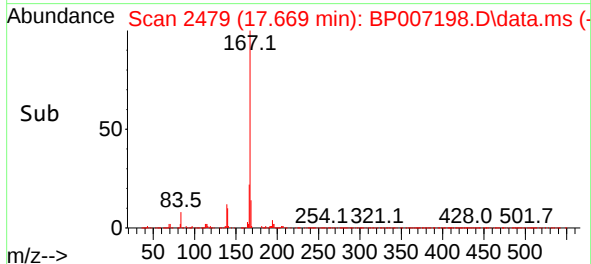
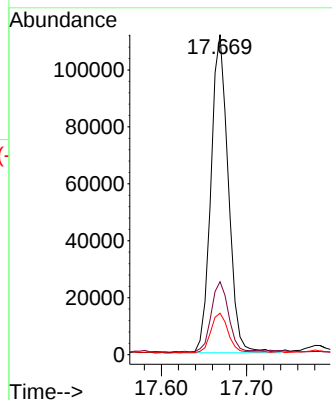
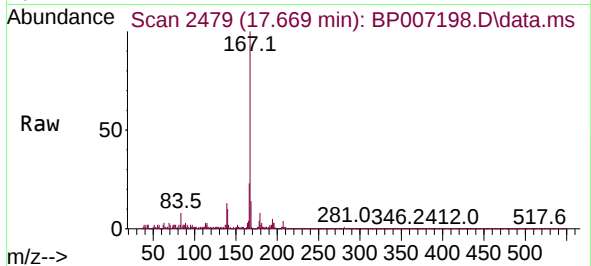




#73
 Carbazole
 Concen: 2.681 ng
 RT: 17.669 min Scan# 2479
 Delta R.T. -0.012 min
 Lab File: BP007198.D
 Acq: 25 Sep 2021 21:49

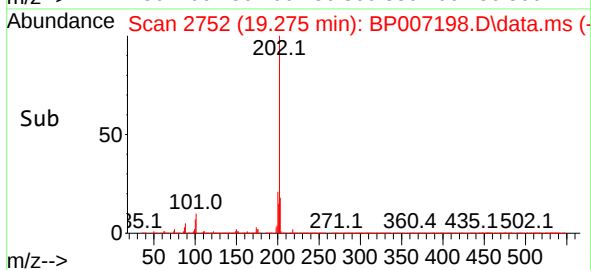
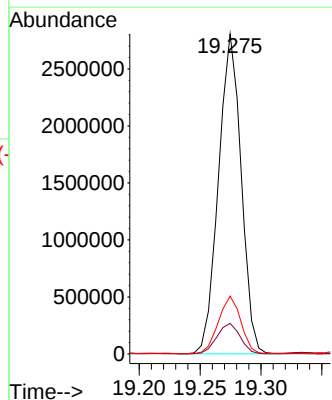
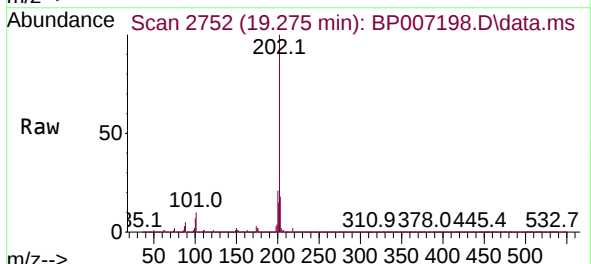
Instrument :
 BNA_P
 ClientSampleId :

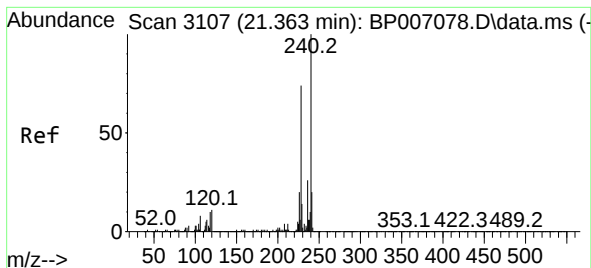
Tgt Ion:167 Resp: 157744
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.1 25.7
 139 12.9 10.7 16.1



#75
 Fluoranthene
 Concen: 51.365 ng
 RT: 19.275 min Scan# 2752
 Delta R.T. -0.006 min
 Lab File: BP007198.D
 Acq: 25 Sep 2021 21:49

Tgt Ion:202 Resp: 3632410
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 27.6
 203 18.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.351 min Scan# 3105

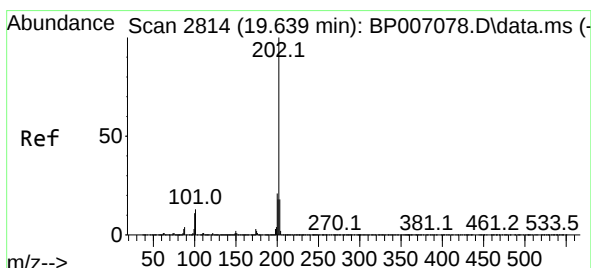
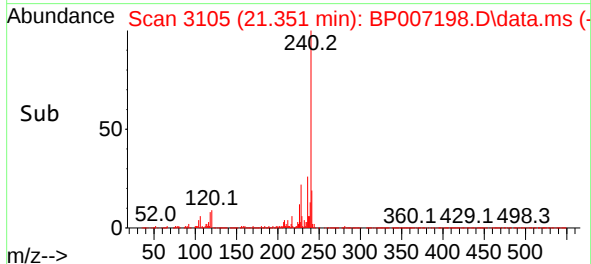
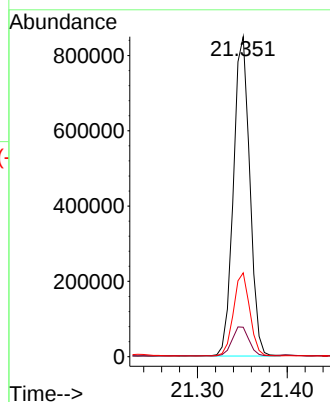
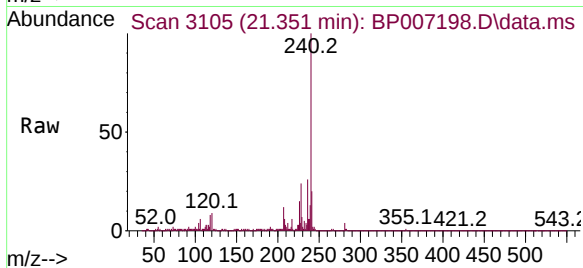
Delta R.T. -0.006 min

Lab File: BP007198.D

Acq: 25 Sep 2021 21:49

Tgt Ion:240 Resp: 1073354

Ion	Ratio	Lower	Upper
240	100		
120	9.2	6.5	9.7
236	26.2	20.6	31.0



#78

Pyrene

Concen: 50.313 ng

RT: 19.628 min Scan# 2812

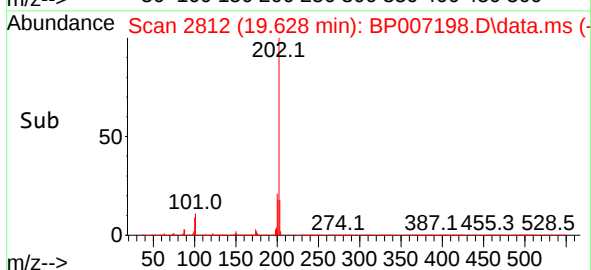
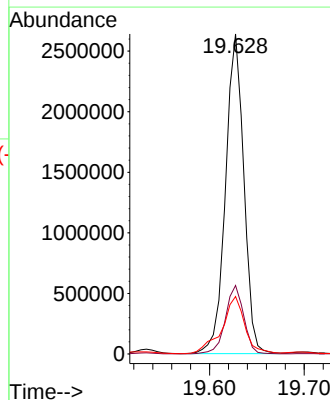
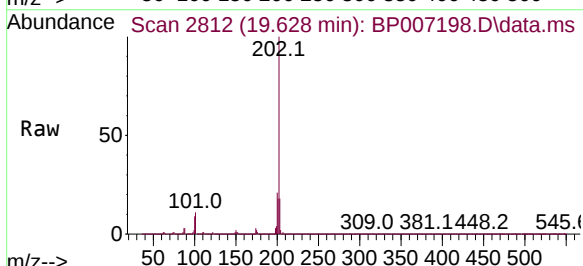
Delta R.T. -0.006 min

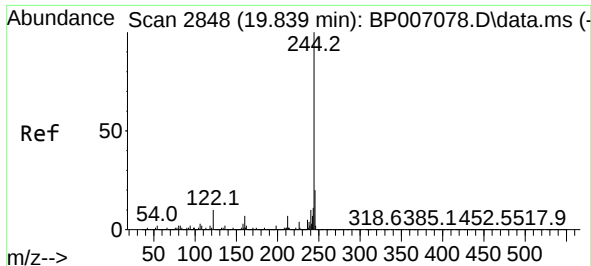
Lab File: BP007198.D

Acq: 25 Sep 2021 21:49

Tgt Ion:202 Resp: 3543158

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.3	24.5
203	17.9	14.2	21.2

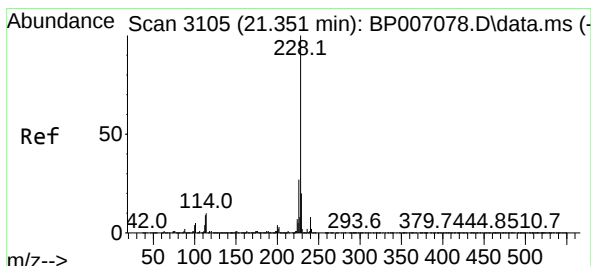
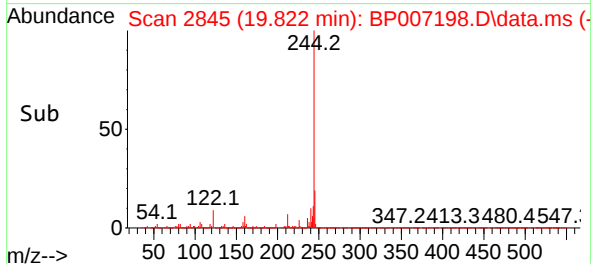
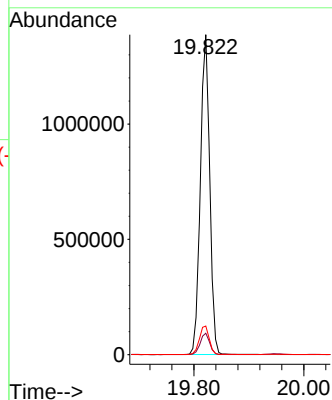
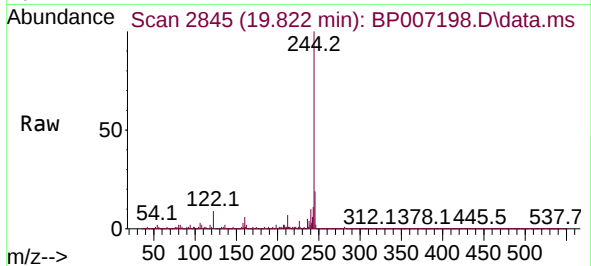




#79
 Terphenyl-d14
 Concen: 29.323 ng
 RT: 19.822 min Scan# 2845
 Delta R.T. -0.012 min
 Lab File: BP007198.D
 Acq: 25 Sep 2021 21:49

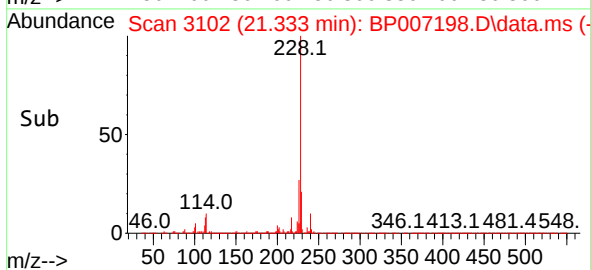
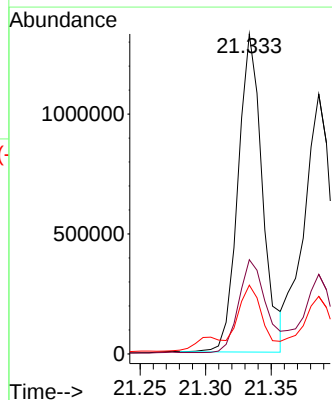
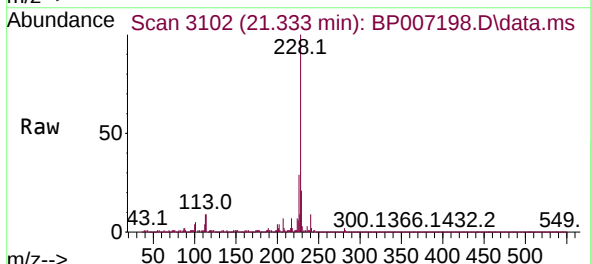
Instrument :
 BNA_P
 ClientSampled :

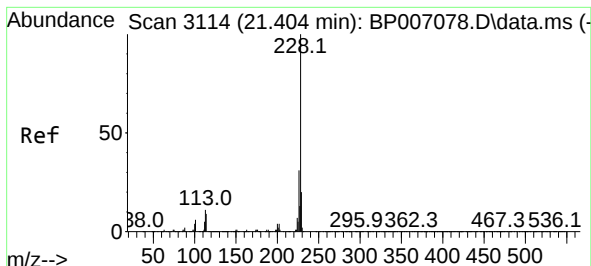
Tgt Ion:244 Resp: 1642478
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 9.0 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 24.582 ng
 RT: 21.333 min Scan# 3102
 Delta R.T. -0.012 min
 Lab File: BP007198.D
 Acq: 25 Sep 2021 21:49

Tgt Ion:228 Resp: 1712668
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.6 32.4
 229 21.5 15.8 23.6





#83

Chrysene

Concen: 23.270 ng

RT: 21.386 min Scan# 3111

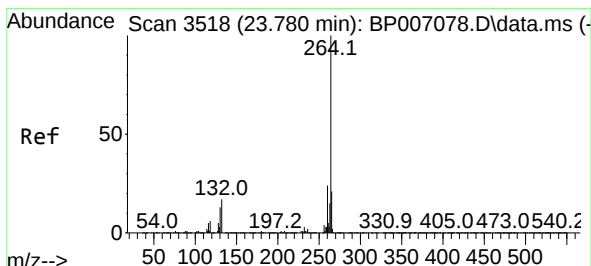
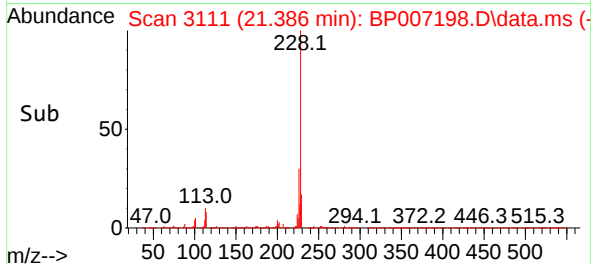
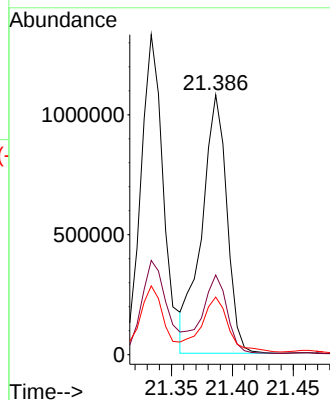
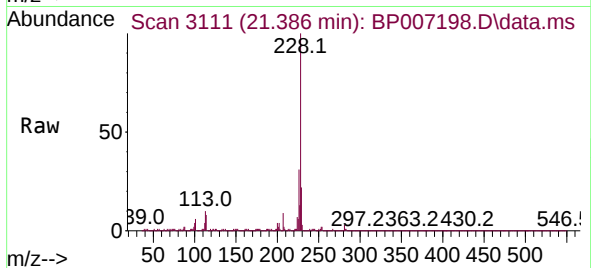
Delta R.T. -0.012 min

Lab File: BP007198.D

Acq: 25 Sep 2021 21:49

Tgt Ion:228 Resp: 1549514

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.6
229	22.2	15.4	23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.757 min Scan# 3514

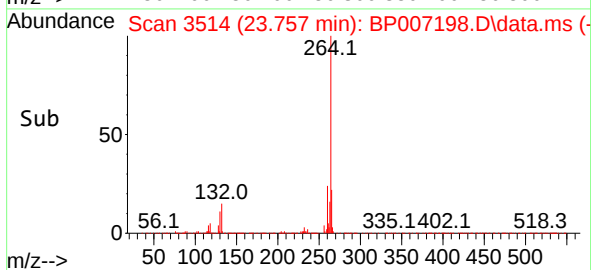
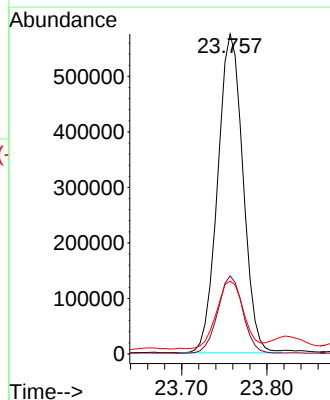
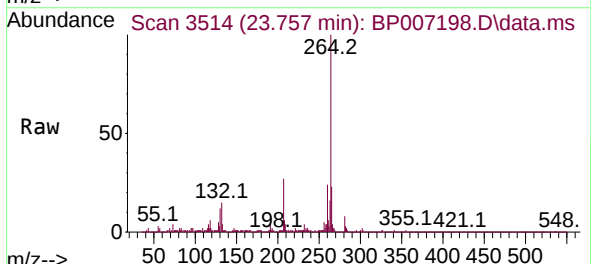
Delta R.T. -0.012 min

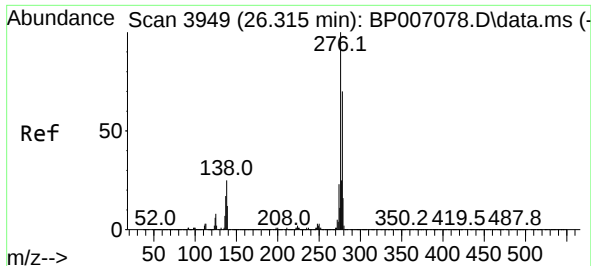
Lab File: BP007198.D

Acq: 25 Sep 2021 21:49

Tgt Ion:264 Resp: 1183531

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.6	28.0
265	22.8	17.6	26.4

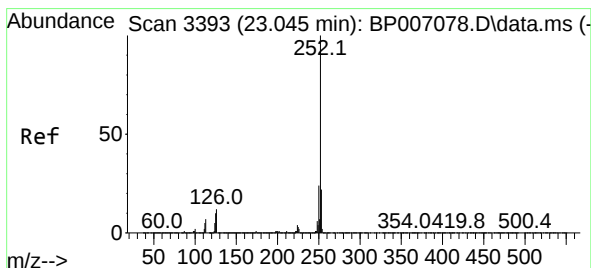
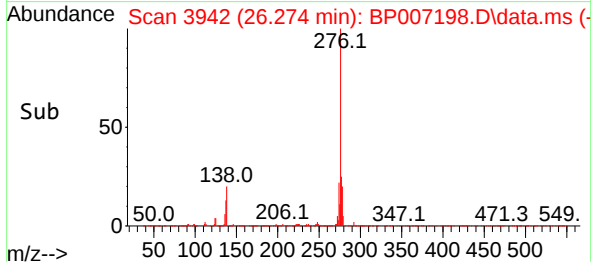
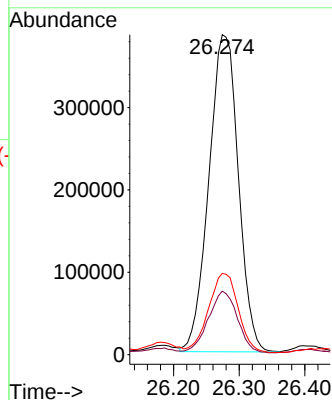
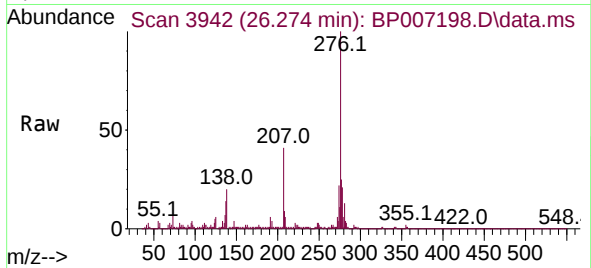




#87
Indeno(1,2,3-cd)pyrene
Concen: 14.137 ng
RT: 26.274 min Scan# 3942
Delta R.T. -0.029 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

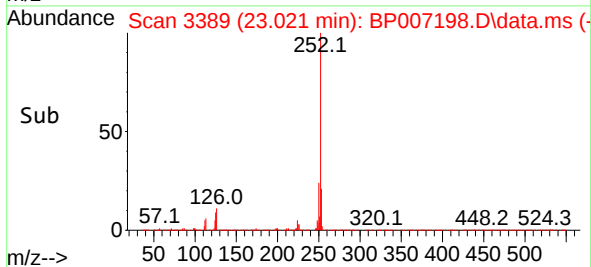
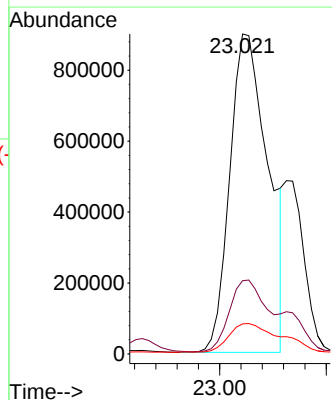
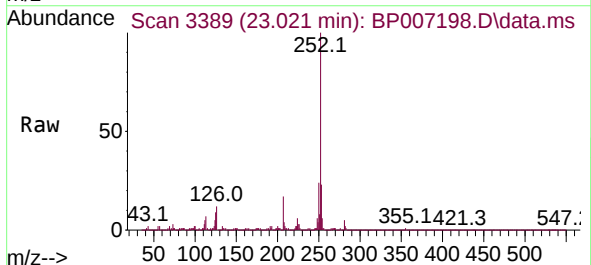
Instrument :
BNA_P
ClientSampled :

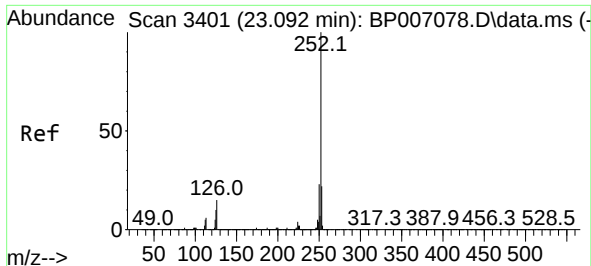
Tgt Ion:276 Resp: 1202436
Ion Ratio Lower Upper
276 100
138 19.2 15.3 22.9
277 25.1 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 31.778 ng
RT: 23.021 min Scan# 3389
Delta R.T. -0.012 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

Tgt Ion:252 Resp: 2247631
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 9.4 6.2 9.4#

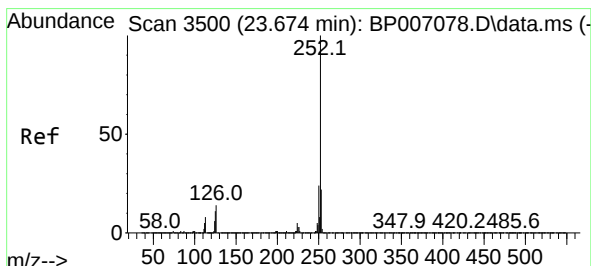
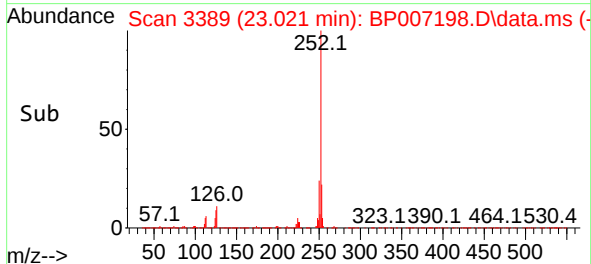
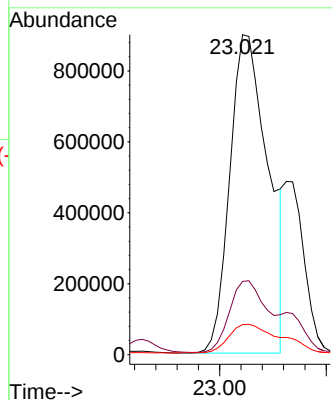
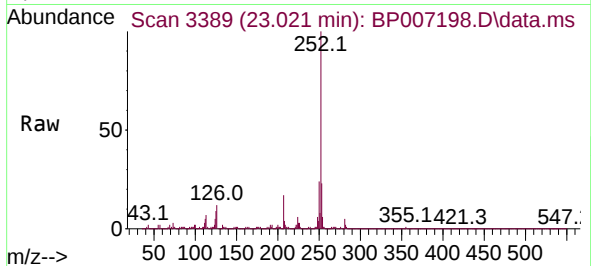




#89
Benzo(k)fluoranthene
Concen: 31.386 ng
RT: 23.021 min Scan# 3389
Delta R.T. -0.065 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

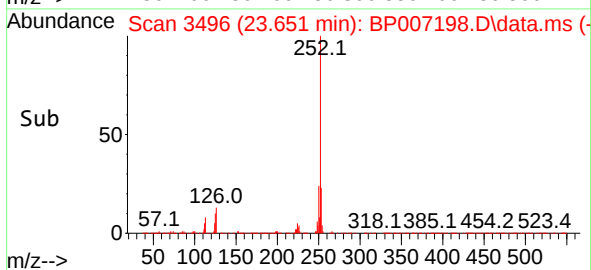
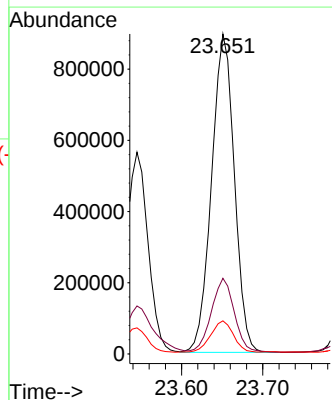
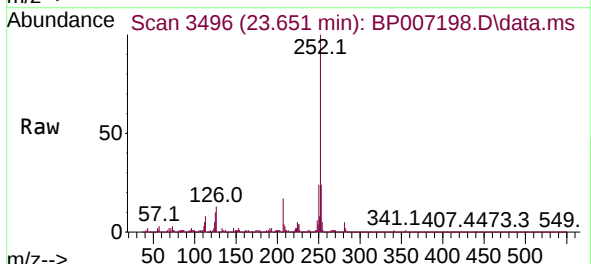
Instrument :
BNA_P
ClientSampled :

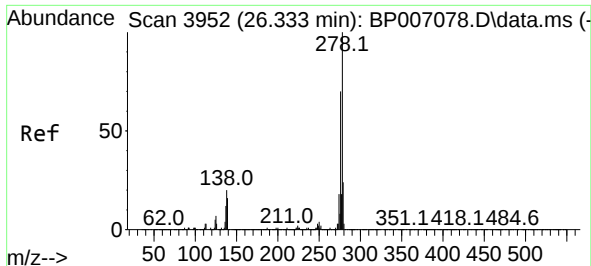
Tgt Ion:252 Resp: 2247631
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 9.4 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 29.072 ng
RT: 23.651 min Scan# 3496
Delta R.T. -0.018 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

Tgt Ion:252 Resp: 1746950
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 10.3 6.5 9.7#

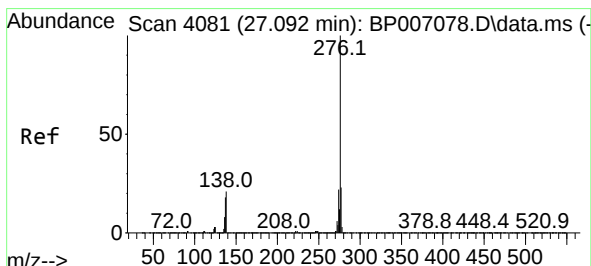
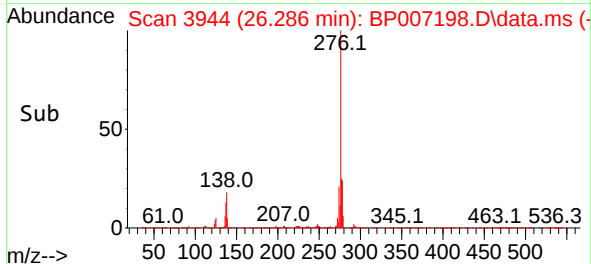
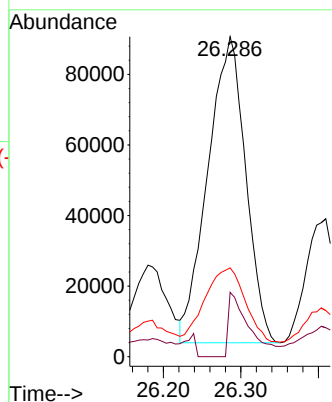
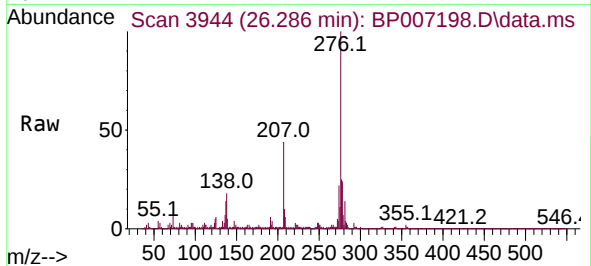




#91
Dibenzo(a,h)anthracene
Concen: 4.128 ng
RT: 26.286 min Scan# 3944
Delta R.T. -0.029 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:278 Resp: 294225
Ion Ratio Lower Upper
278 100
139 20.1 9.3 13.9#
279 27.7 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 17.543 ng
RT: 27.057 min Scan# 4075
Delta R.T. -0.018 min
Lab File: BP007198.D
Acq: 25 Sep 2021 21:49

Tgt Ion:276 Resp: 1220255
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 19.6 12.6 18.8#

