

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092521\
 Data File : BP007196.D
 Acq On : 25 Sep 2021 20:41
 Operator : CG/JU
 Sample : M3913-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 26 02:16:30 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)

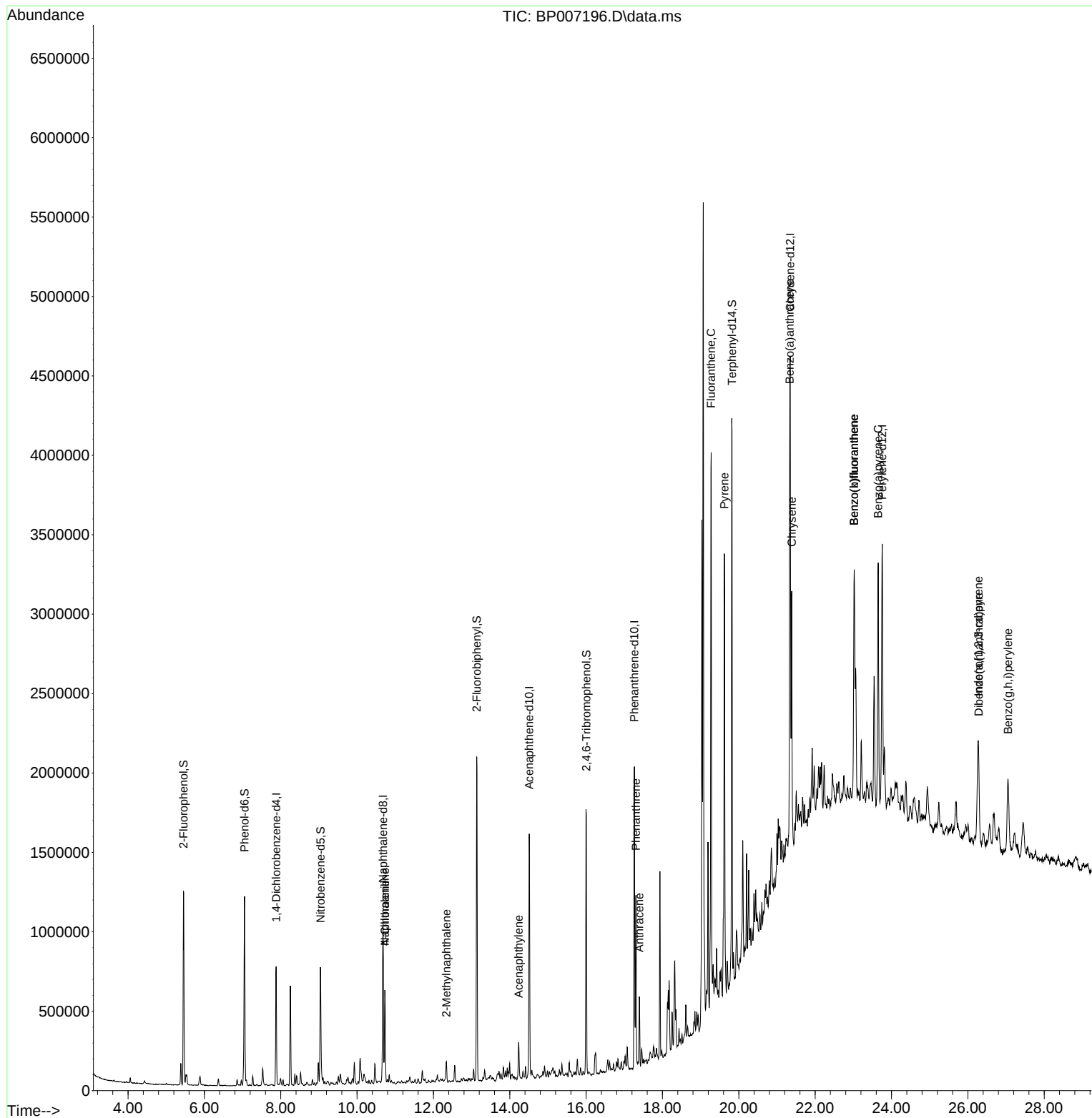
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	214845	20.000	ng	-0.01
21) Naphthalene-d8	10.681	136	853705	20.000	ng	#-0.01
39) Acenaphthene-d10	14.510	164	546560	20.000	ng	-0.02
64) Phenanthrene-d10	17.263	188	1150598	20.000	ng	-0.01
76) Chrysene-d12	21.345	240	1139980	20.000	ng	#-0.01
86) Perylene-d12	23.757	264	1261664	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	579176	45.126	ng	0.00
7) Phenol-d6	7.052	99	741268	42.257	ng	-0.01
23) Nitrobenzene-d5	9.040	82	426694	29.107	ng	-0.02
42) 2,4,6-Tribromophenol	16.004	330	342546	48.342	ng	-0.01
45) 2-Fluorobiphenyl	13.134	172	1105535	28.978	ng	-0.02
79) Terphenyl-d14	19.822	244	1694496	28.484	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.728	128	480912	11.038	ng	100
33) 4-Chloroaniline	10.728	127	63899	3.550	ng	# 38
37) 2-Methylnaphthalene	12.340	142	63872	2.094	ng	98
49) Acenaphthylene	14.234	152	163947	3.380	ng	99
71) Phenanthrene	17.304	178	655123	10.619	ng	100
72) Anthracene	17.392	178	281984	4.672	ng	99
75) Fluoranthene	19.275	202	1729545	24.333	ng	98
78) Pyrene	19.622	202	1659438	22.187	ng	99
81) Benzo(a)anthracene	21.333	228	1074366	14.519	ng	93
83) Chrysene	21.386	228	932887	13.191	ng	97
87) Indeno(1,2,3-cd)pyrene	26.274	276	678047	7.478	ng	100
88) Benzo(b)fluoranthene	23.022	252	1270296	16.848	ng	# 93
89) Benzo(k)fluoranthene	23.022	252	1270296	16.640	ng	# 93
90) Benzo(a)pyrene	23.651	252	1053626	16.448	ng	# 96
91) Dibenzo(a,h)anthracene	26.286	278	187224	2.464	ng	# 79
92) Benzo(g,h,i)perylene	27.051	276	645728	8.708	ng	# 94

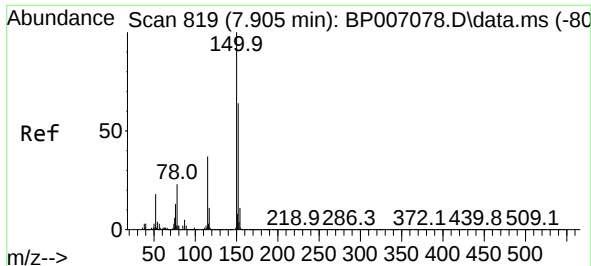
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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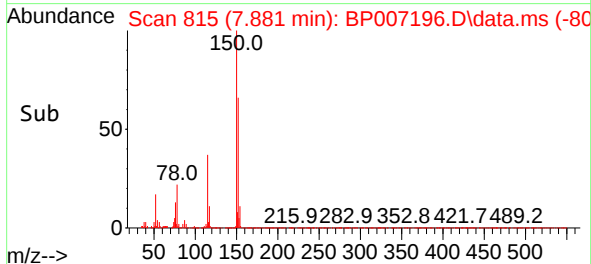
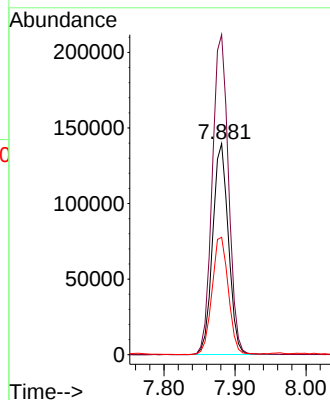
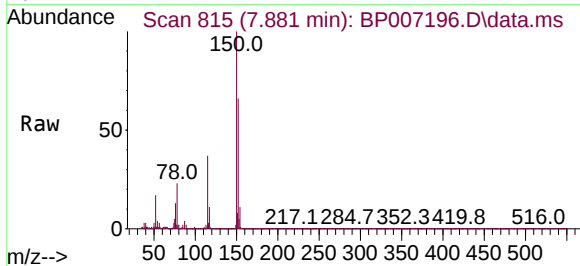




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 815
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

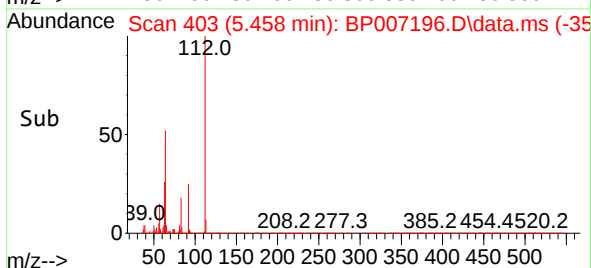
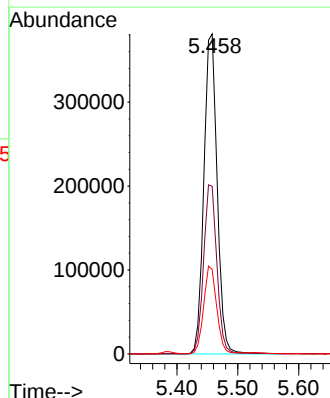
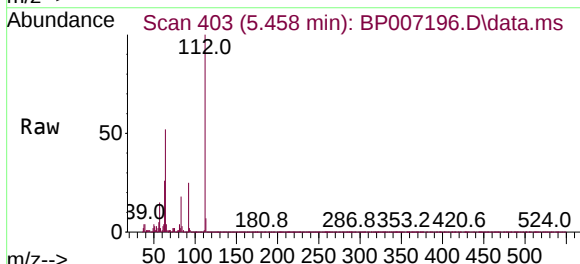
Instrument :
BNA_P
ClientSampleId :

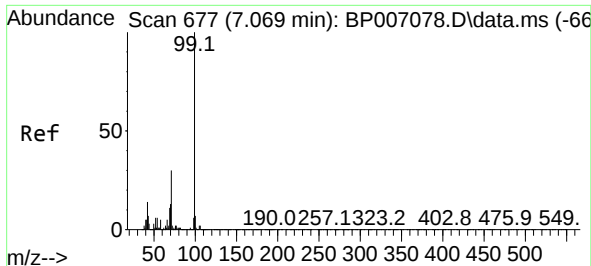
Tgt Ion:152 Resp: 214845
Ion Ratio Lower Upper
152 100
150 151.6 125.6 188.4
115 55.7 48.5 72.7



#5
2-Fluorophenol
Concen: 45.126 ng
RT: 5.458 min Scan# 403
Delta R.T. -0.006 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

Tgt Ion:112 Resp: 579176
Ion Ratio Lower Upper
112 100
64 52.4 41.4 62.2
63 26.4 23.8 35.8

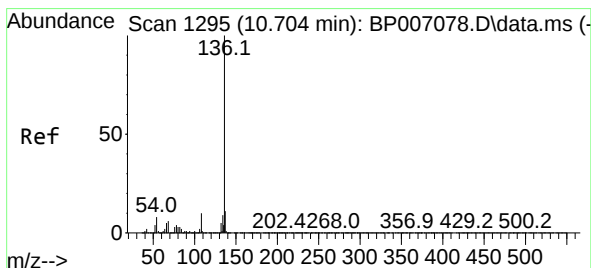
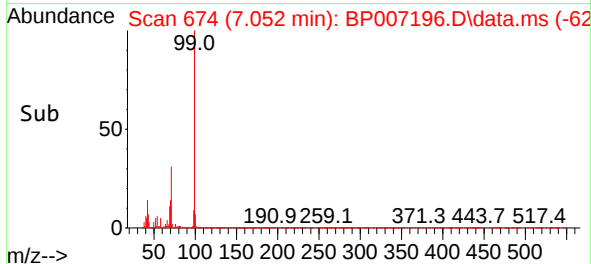
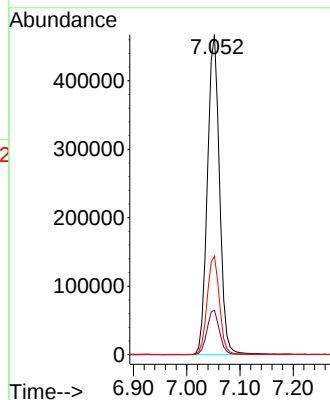
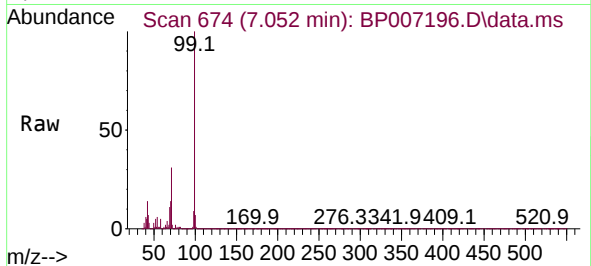




#7
Phenol-d6
Concen: 42.257 ng
RT: 7.052 min Scan# 674
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

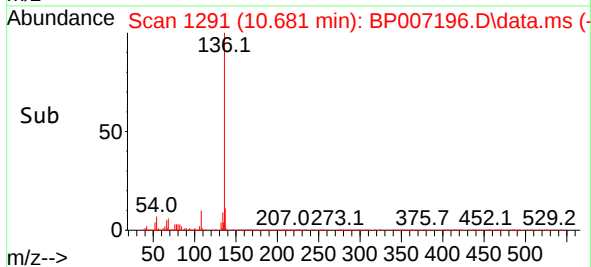
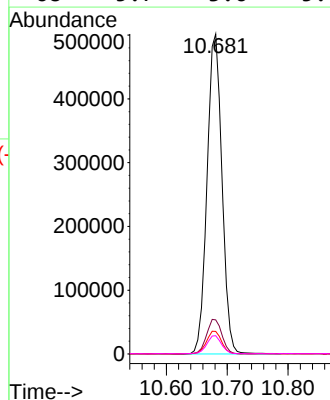
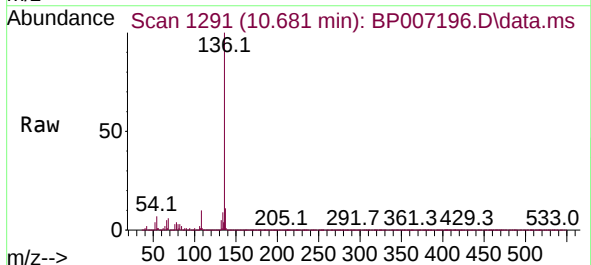
Instrument :
BNA_P
ClientSampled :

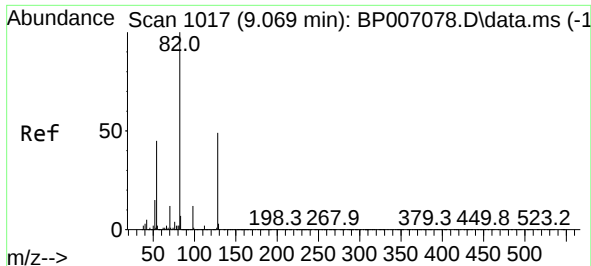
Tgt Ion:	99	Resp:	741268
Ion	Ratio	Lower	Upper
99	100		
42	13.9	13.4	20.0
71	30.8	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.681 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

Tgt Ion:	136	Resp:	853705
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	7.1	4.6	6.8#
68	5.7	3.6	5.4#

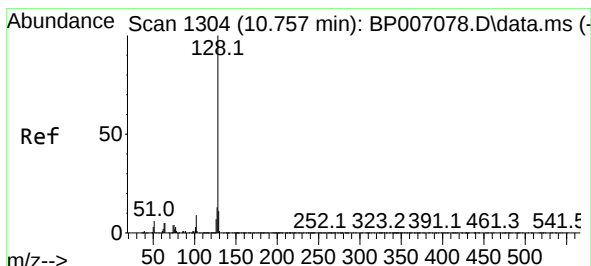
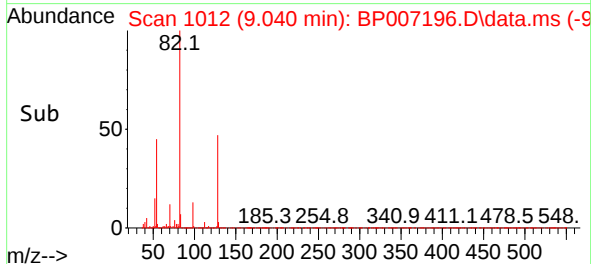
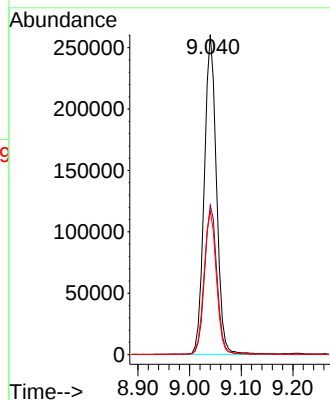
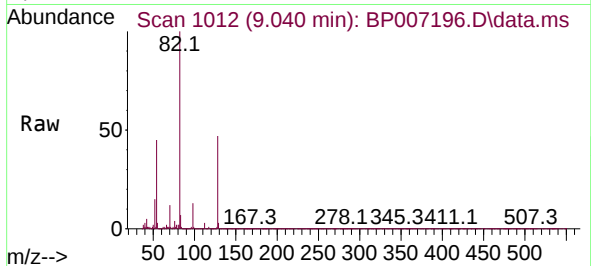




#23
Nitrobenzene-d5
Concen: 29.107 ng
RT: 9.040 min Scan# 1012
Delta R.T. -0.018 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

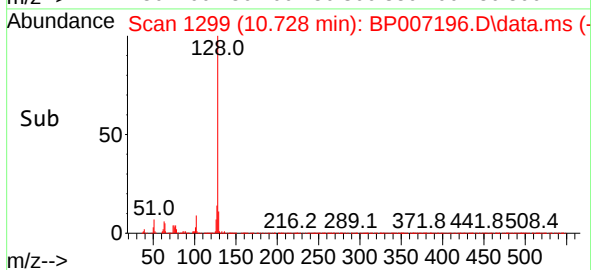
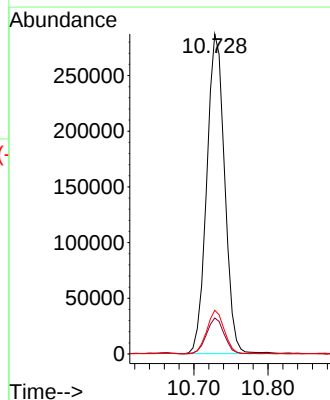
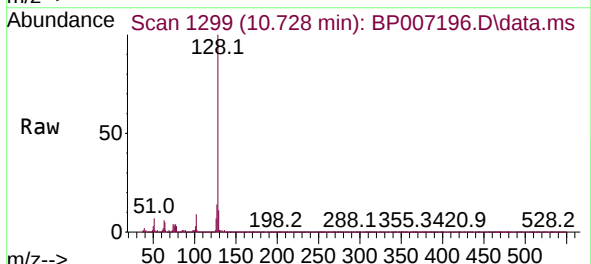
Instrument :
BNA_P
ClientSampled :

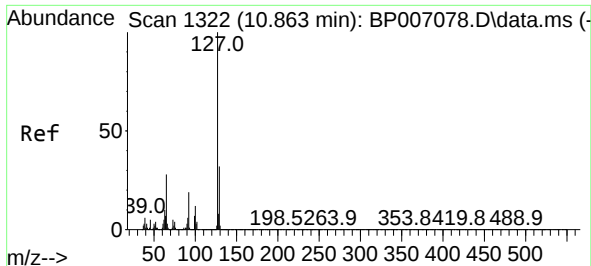
Tgt Ion: 82 Resp: 426694
Ion Ratio Lower Upper
82 100
128 46.6 35.7 53.5
54 44.8 35.0 52.4



#31
Naphthalene
Concen: 11.038 ng
RT: 10.728 min Scan# 1299
Delta R.T. -0.018 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

Tgt Ion: 128 Resp: 480912
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.7 10.7 16.1

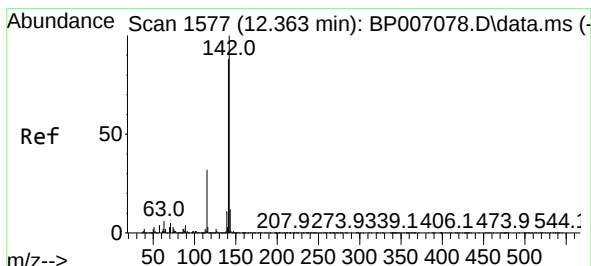
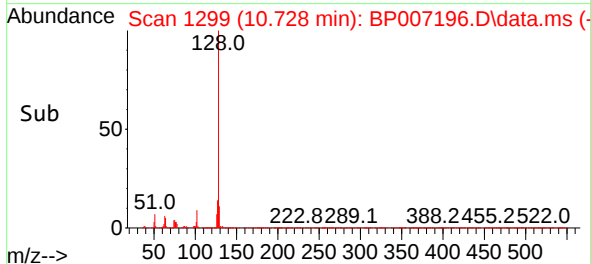
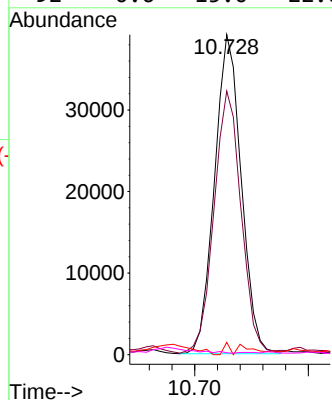
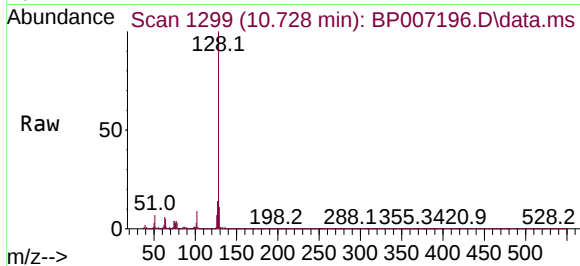




#33
4-Chloroaniline
Concen: 3.550 ng
RT: 10.728 min Scan# 1299
Delta R.T. -0.129 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

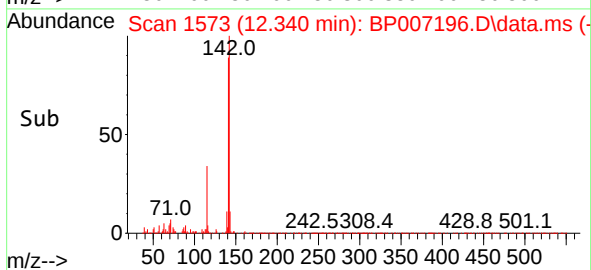
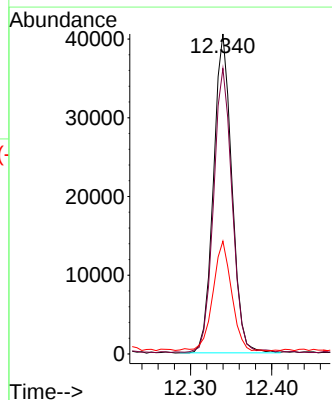
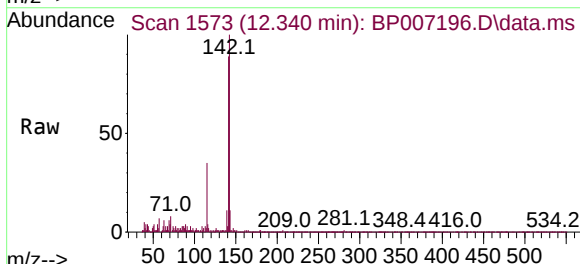
Instrument :
BNA_P
ClientSampleId :

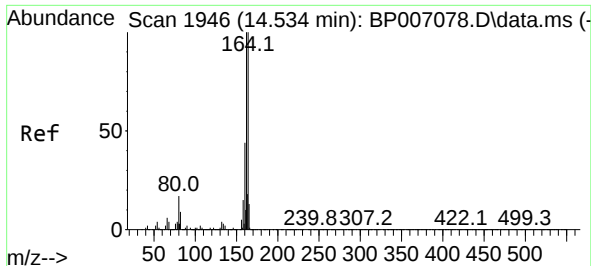
Tgt Ion:	127	Resp:	63899
Ion Ratio	Lower	Upper	
127	100		
129	82.4	26.1	39.1#
65	3.9	22.5	33.7#
92	0.6	15.0	22.6#



#37
2-Methylnaphthalene
Concen: 2.094 ng
RT: 12.340 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

Tgt Ion:	142	Resp:	63872
Ion Ratio	Lower	Upper	
142	100		
141	89.2	71.8	107.6
115	35.3	31.6	47.4

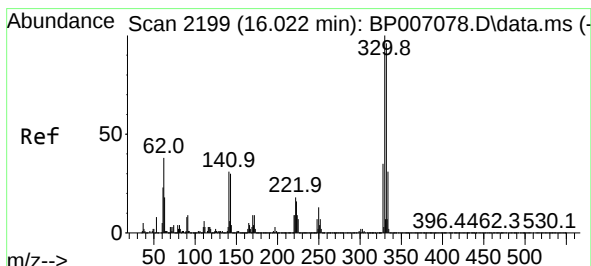
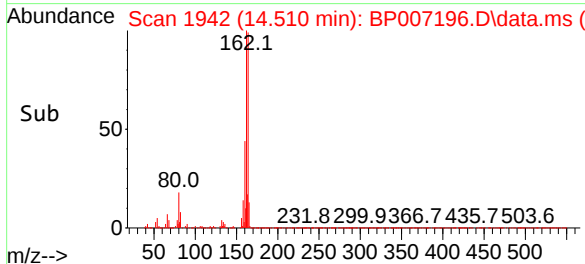
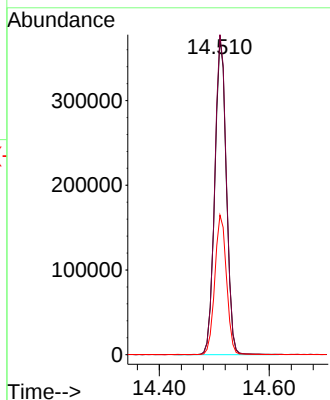
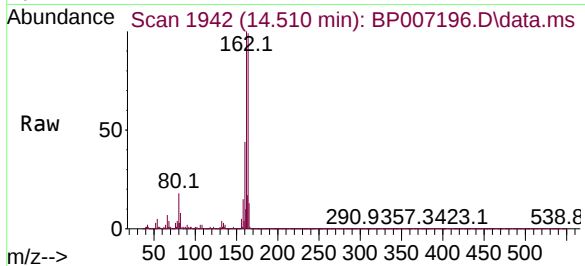




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

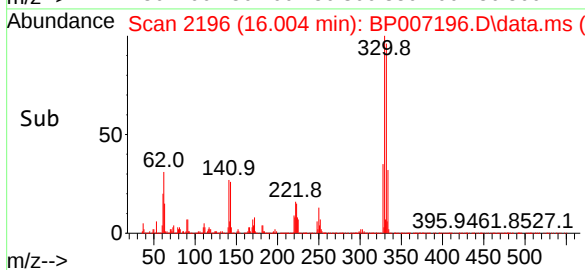
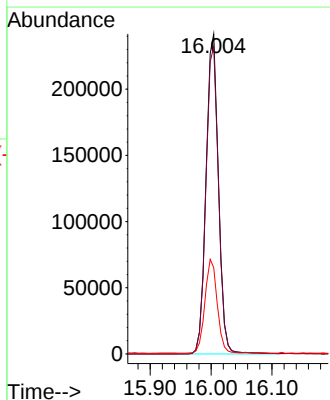
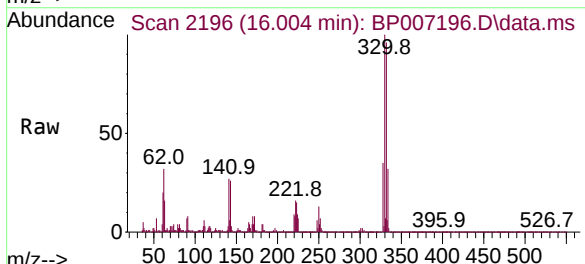
Instrument :
BNA_P
ClientSampled :

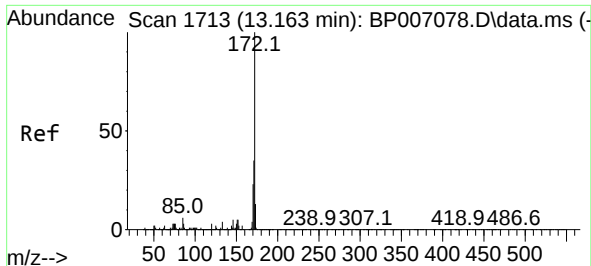
Tgt Ion:164 Resp: 546560
Ion Ratio Lower Upper
164 100
162 101.1 80.2 120.2
160 44.1 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 48.342 ng
RT: 16.004 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

Tgt Ion:330 Resp: 342546
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.8
141 29.0 25.4 38.2

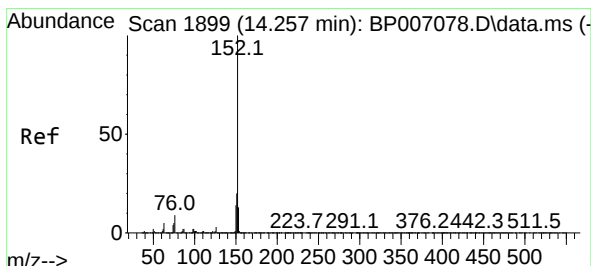
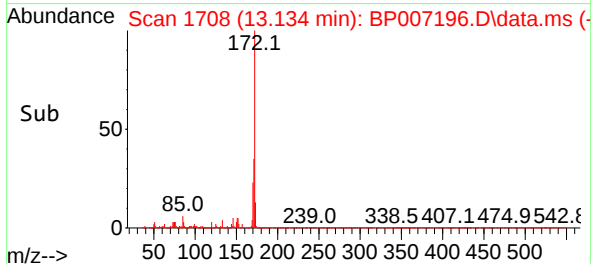
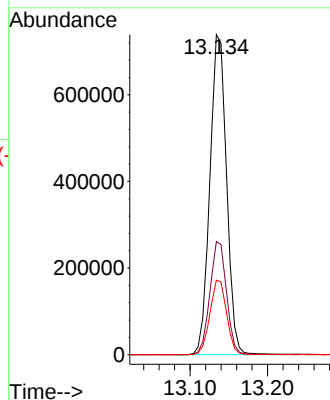
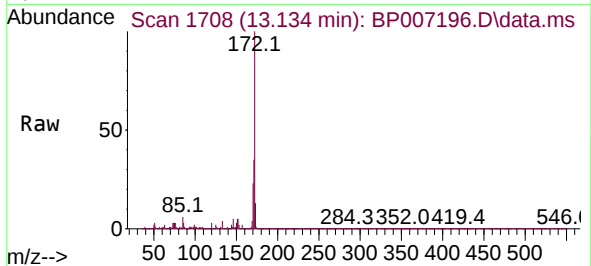




#45
2-Fluorobiphenyl
Concen: 28.978 ng
RT: 13.134 min Scan# 1708
Delta R.T. -0.018 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

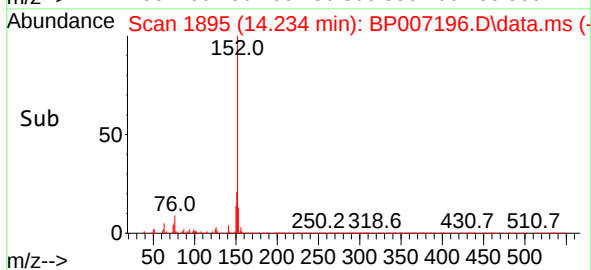
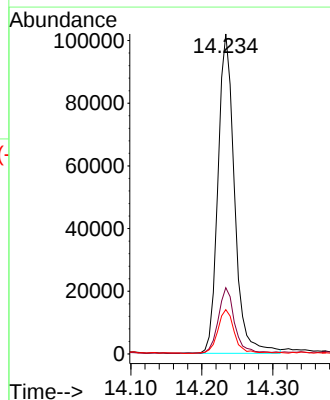
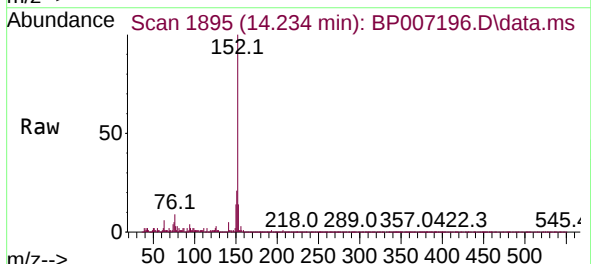
Instrument :
BNA_P
ClientSampleId :

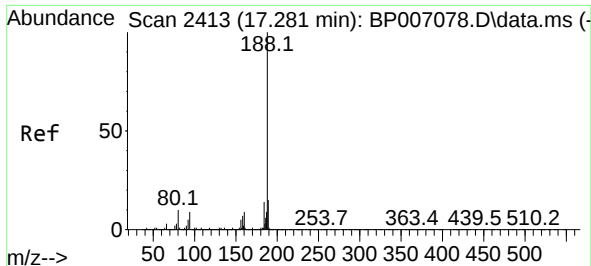
Tgt Ion:172 Resp: 1105535
Ion Ratio Lower Upper
172 100
171 35.4 27.9 41.9
170 23.3 18.6 27.8



#49
Acenaphthylene
Concen: 3.380 ng
RT: 14.234 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

Tgt Ion:152 Resp: 163947
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.2
153 13.8 10.6 16.0

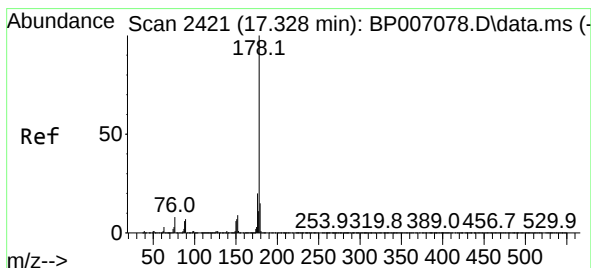
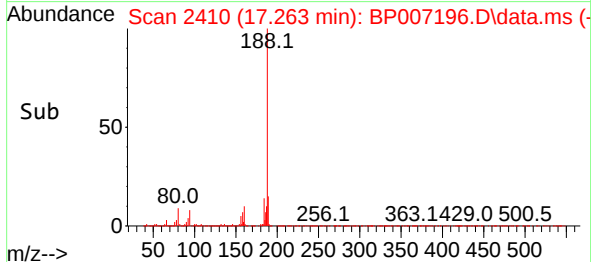
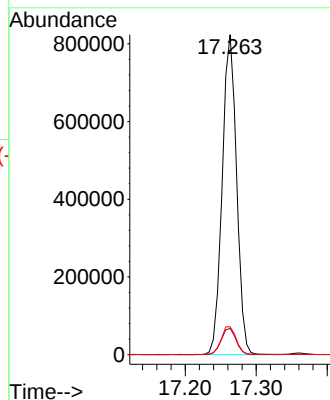
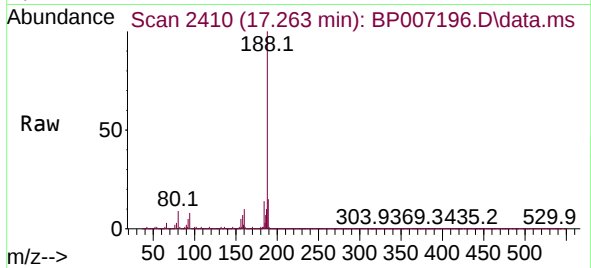




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2410
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

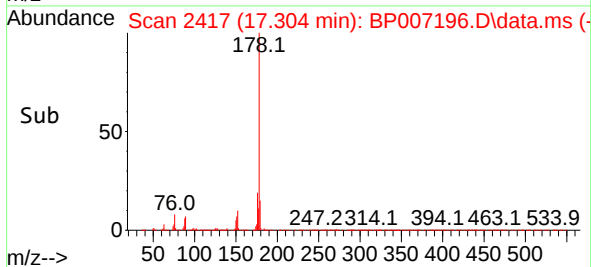
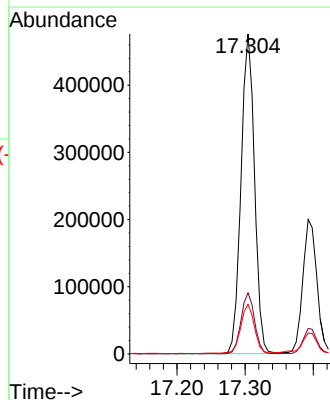
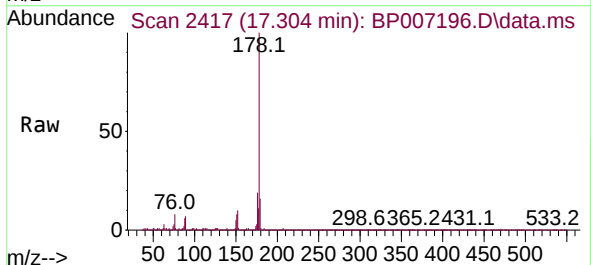
Instrument :
BNA_P
ClientSampleId :

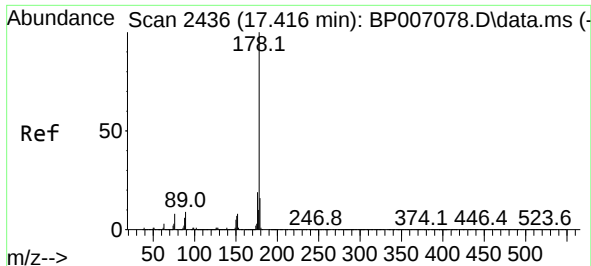
Tgt Ion:188 Resp: 1150598
Ion Ratio Lower Upper
188 100
94 8.2 5.6 8.4
80 8.7 6.3 9.5



#71
Phenanthrene
Concen: 10.619 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

Tgt Ion:178 Resp: 655123
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.5 12.4 18.6

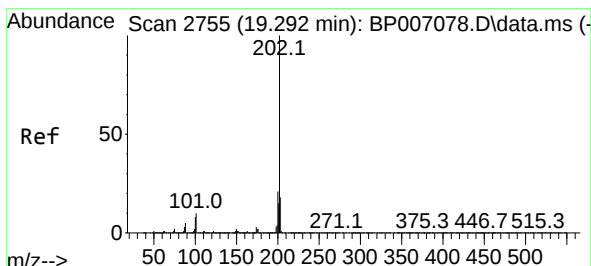
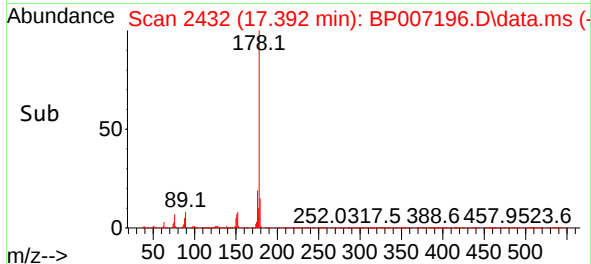
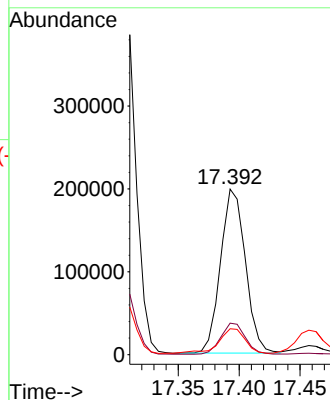
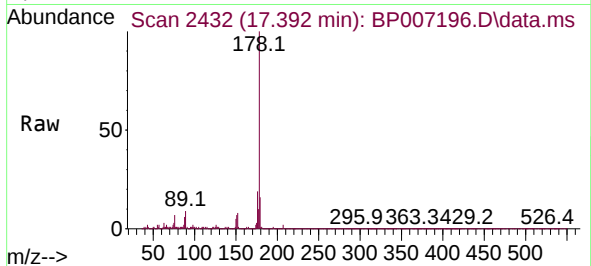




#72
 Anthracene
 Concen: 4.672 ng
 RT: 17.392 min Scan# 2432
 Delta R.T. -0.018 min
 Lab File: BP007196.D
 Acq: 25 Sep 2021 20:41

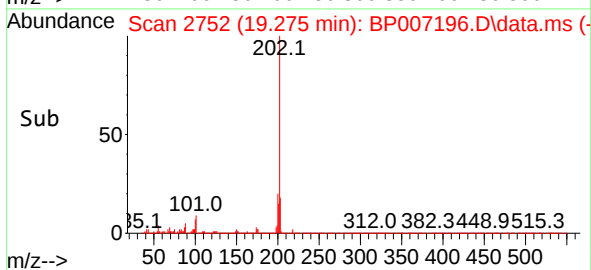
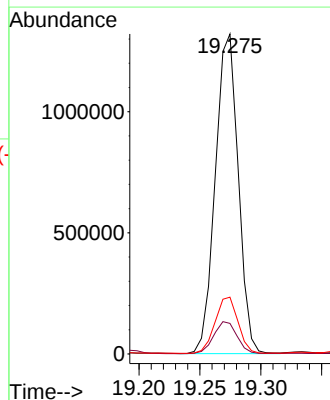
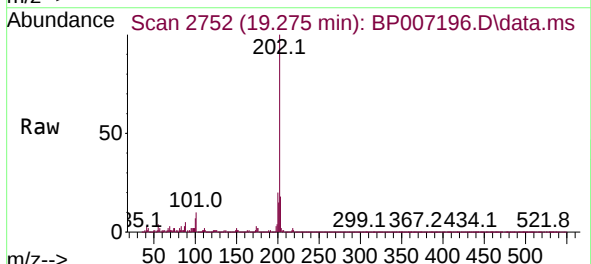
Instrument :
 BNA_P
 ClientSampled :

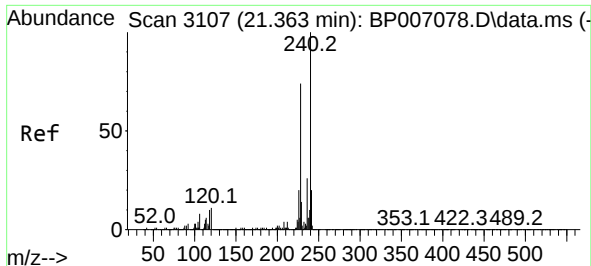
Tgt Ion:178 Resp: 281984
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.9 22.3
 179 15.7 12.2 18.2



#75
 Fluoranthene
 Concen: 24.333 ng
 RT: 19.275 min Scan# 2752
 Delta R.T. -0.006 min
 Lab File: BP007196.D
 Acq: 25 Sep 2021 20:41

Tgt Ion:202 Resp: 1729545
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 27.6
 203 17.8 0.0 37.8

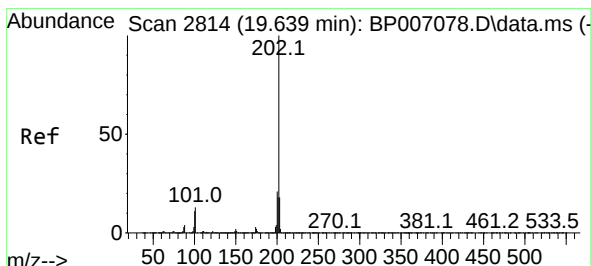
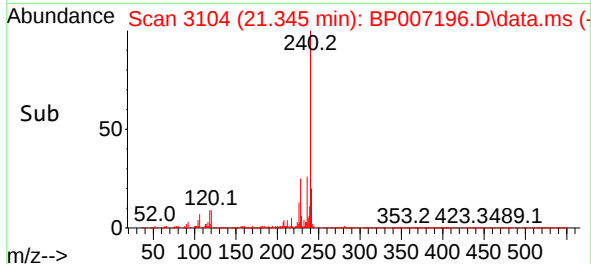
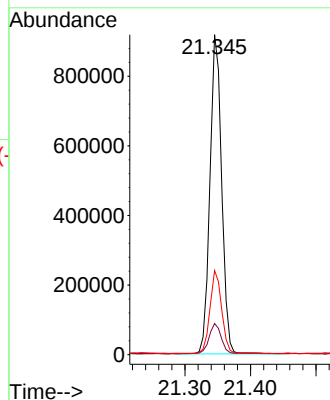
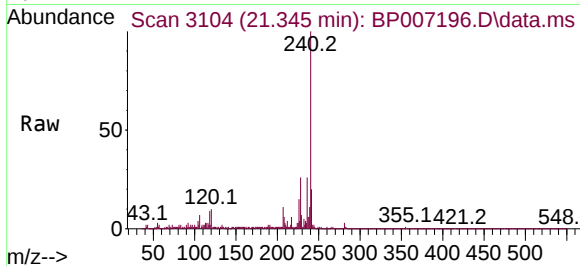




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

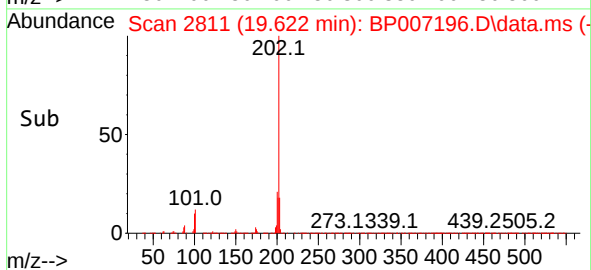
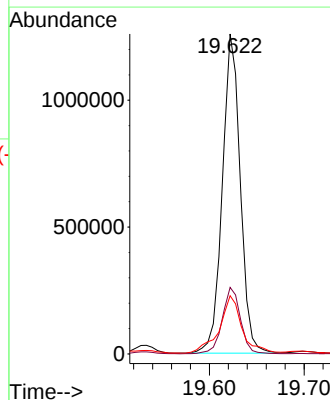
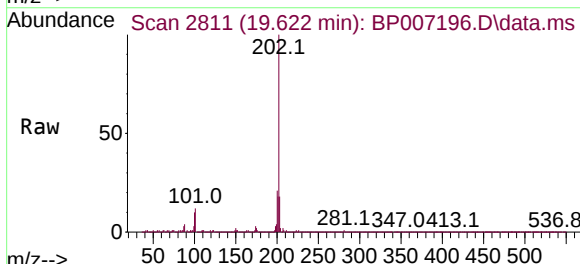
Instrument :
BNA_P
ClientSampled :

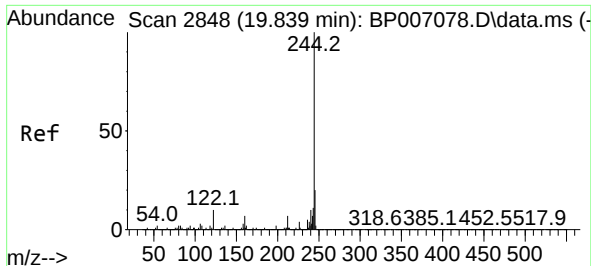
Tgt Ion:240 Resp: 1139980
Ion Ratio Lower Upper
240 100
120 9.8 6.5 9.7#
236 26.3 20.6 31.0



#78
Pyrene
Concen: 22.187 ng
RT: 19.622 min Scan# 2811
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

Tgt Ion:202 Resp: 1659438
Ion Ratio Lower Upper
202 100
200 20.8 16.3 24.5
203 18.2 14.2 21.2

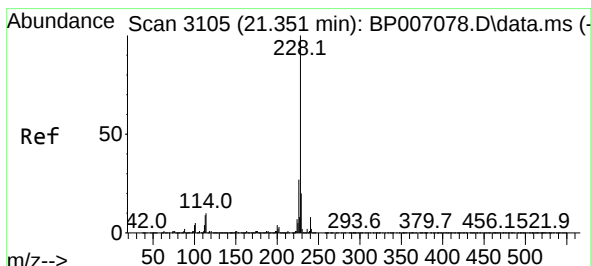
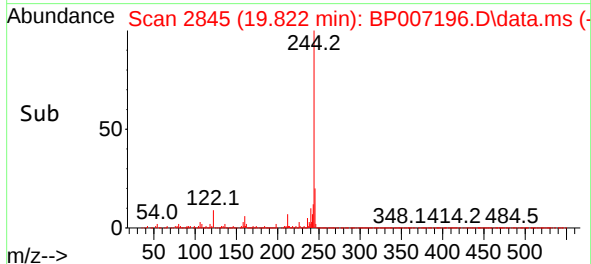
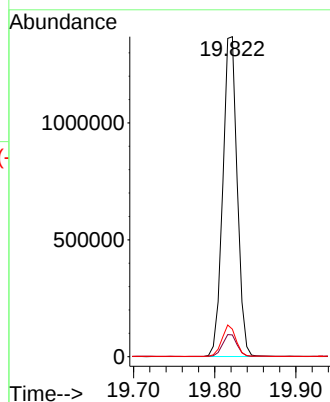
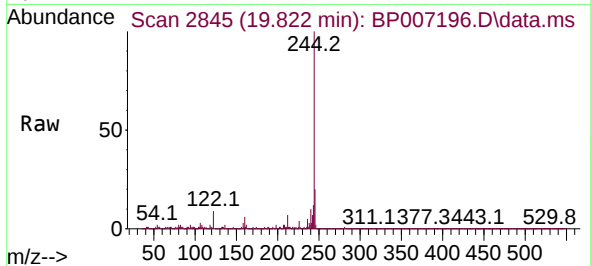




#79
Terphenyl-d14
Concen: 28.484 ng
RT: 19.822 min Scan# 2845
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

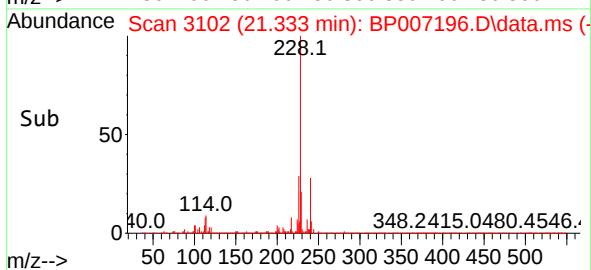
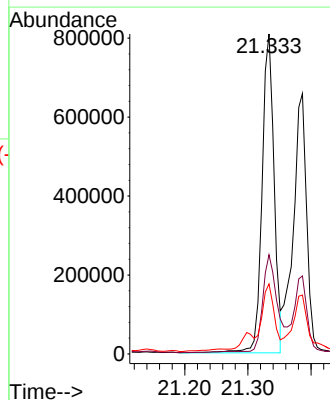
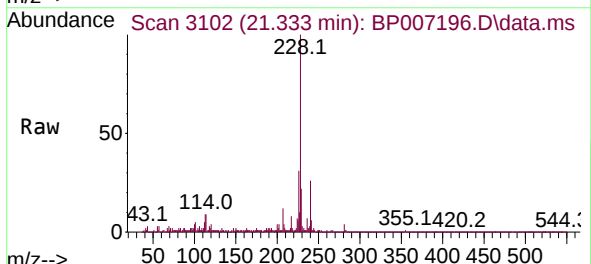
Instrument :
BNA_P
ClientSampleId :

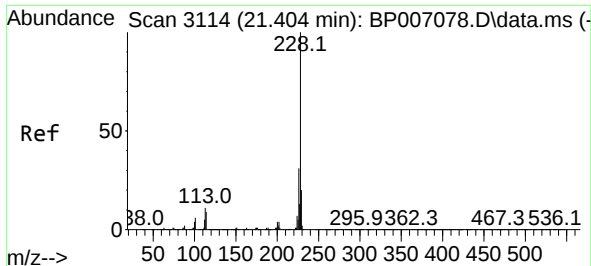
Tgt Ion:244 Resp: 1694496
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 8.6 7.1 10.7



#81
Benzo(a)anthracene
Concen: 14.519 ng
RT: 21.333 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

Tgt Ion:228 Resp: 1074366
Ion Ratio Lower Upper
228 100
226 31.0 21.6 32.4
229 21.9 15.8 23.6

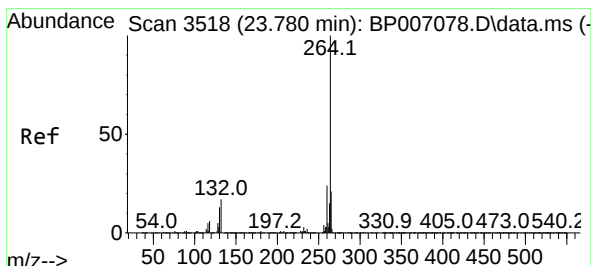
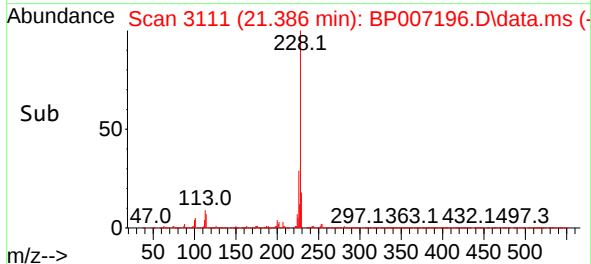
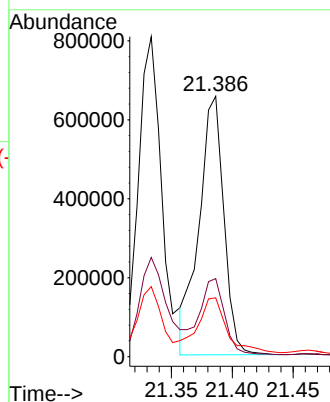
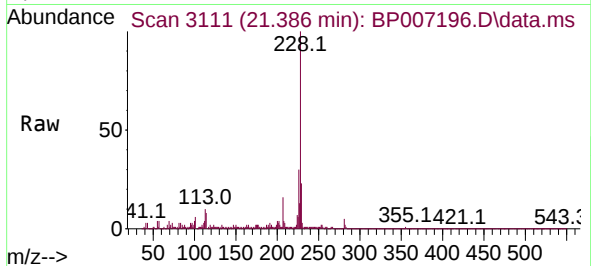




#83
Chrysene
Concen: 13.191 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

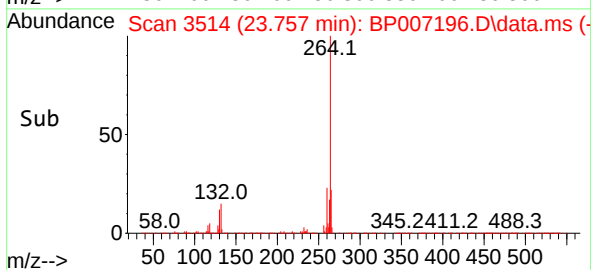
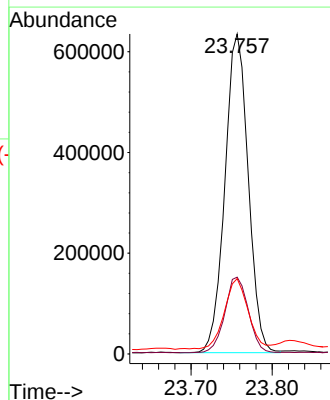
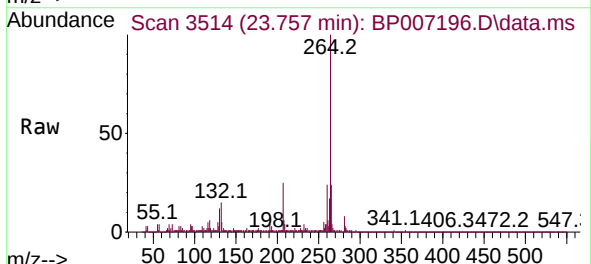
Instrument :
BNA_P
ClientSampleId :

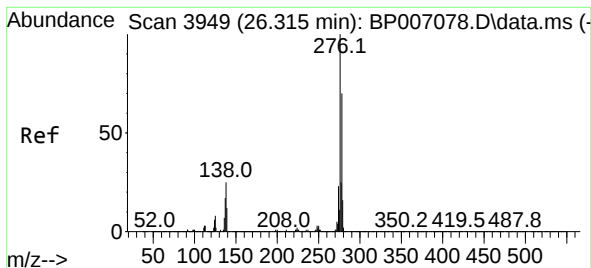
Tgt Ion:	228	Resp:	932887
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.8	35.6
229	22.6	15.4	23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.757 min Scan# 3514
Delta R.T. -0.012 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

Tgt Ion:	264	Resp:	1261664
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.6	28.0
265	23.6	17.6	26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.478 ng

RT: 26.274 min Scan# 3942

Delta R.T. -0.029 min

Lab File: BP007196.D

Acq: 25 Sep 2021 20:41

Tgt Ion: 276 Resp: 678047

Ion Ratio Lower Upper

276 100

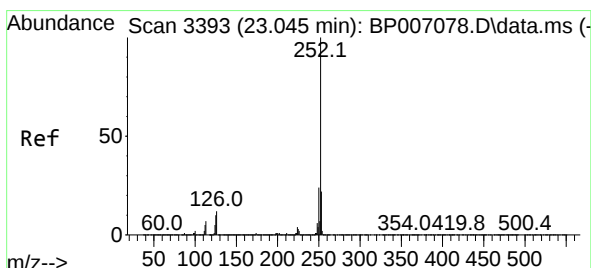
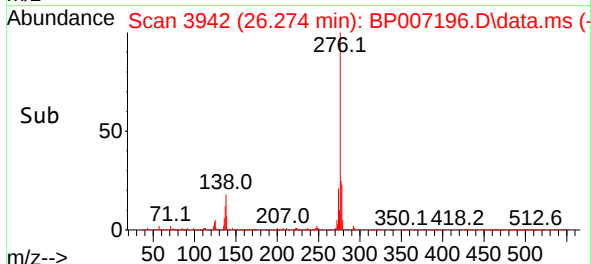
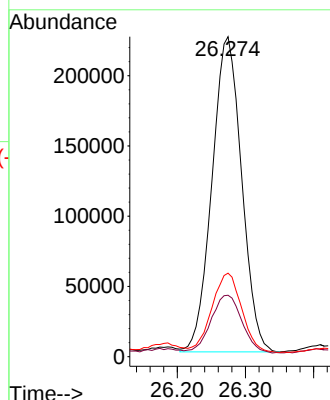
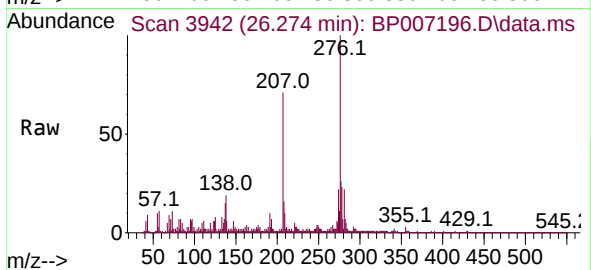
138 19.1 15.3 22.9

277 25.3 20.4 30.6

Instrument :

BNA_P

ClientSampled :



#88

Benzo(b)fluoranthene

Concen: 16.848 ng

RT: 23.022 min Scan# 3389

Delta R.T. -0.012 min

Lab File: BP007196.D

Acq: 25 Sep 2021 20:41

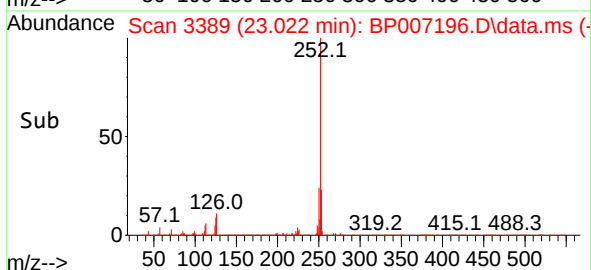
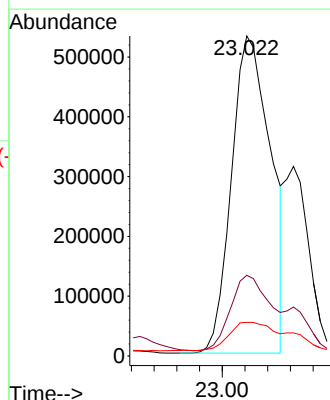
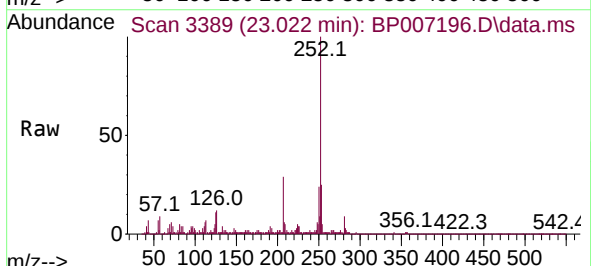
Tgt Ion: 252 Resp: 1270296

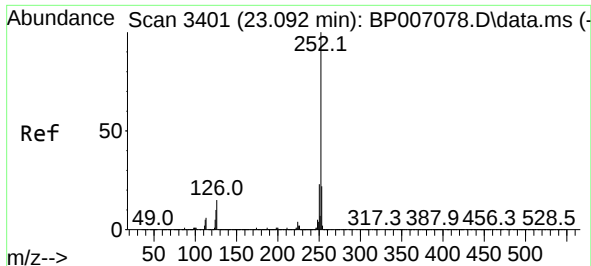
Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

125 10.5 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 16.640 ng

RT: 23.022 min Scan# 3389

Delta R.T. -0.065 min

Lab File: BP007196.D

Acq: 25 Sep 2021 20:41

Tgt Ion:252 Resp: 1270296

Ion Ratio Lower Upper

252 100

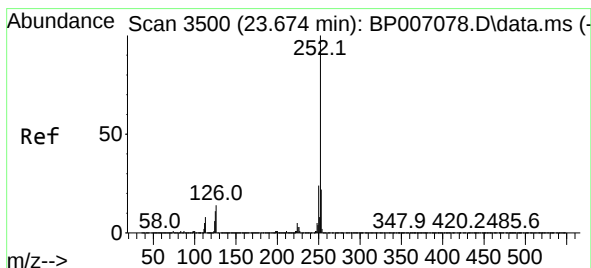
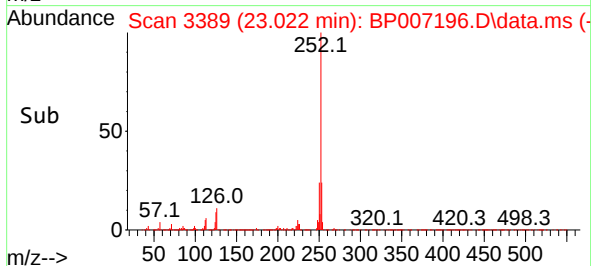
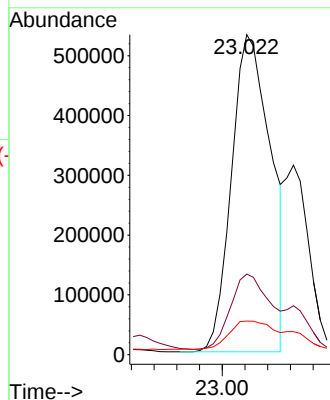
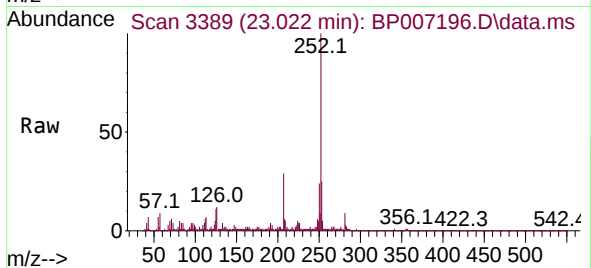
253 25.2 17.6 26.4

125 10.5 6.0 9.0#

Instrument :

BNA_P

ClientSampled :



#90

Benzo(a)pyrene

Concen: 16.448 ng

RT: 23.651 min Scan# 3496

Delta R.T. -0.018 min

Lab File: BP007196.D

Acq: 25 Sep 2021 20:41

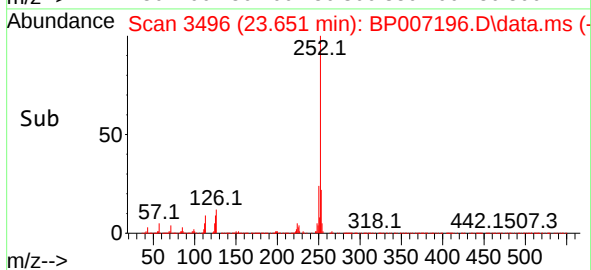
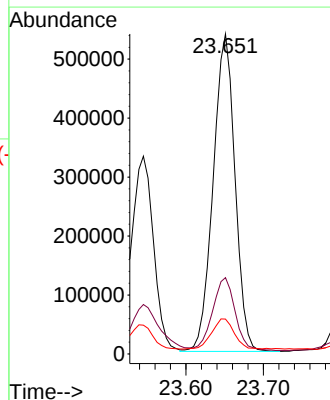
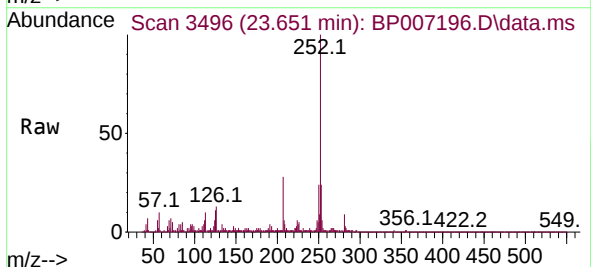
Tgt Ion:252 Resp: 1053626

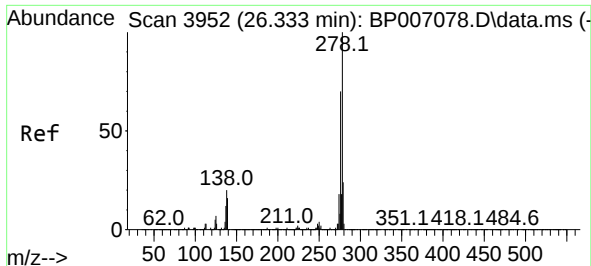
Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 10.9 6.5 9.7#

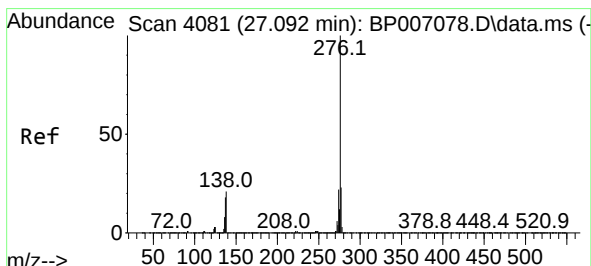
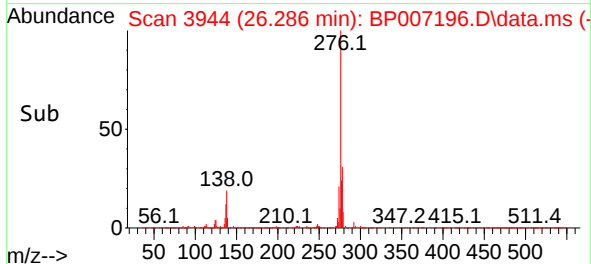
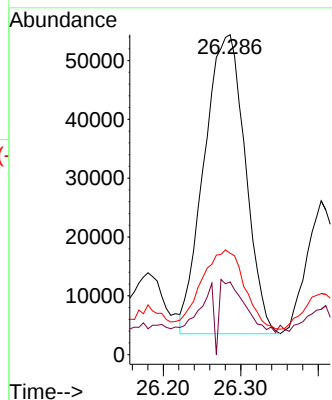
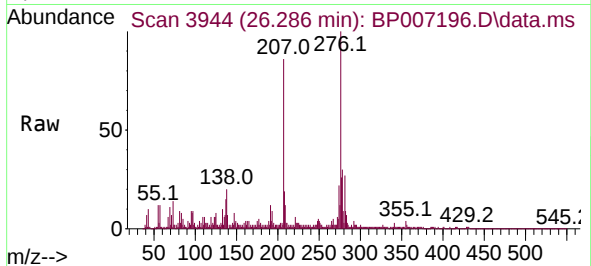




#91
Dibenzo(a,h)anthracene
Concen: 2.464 ng
RT: 26.286 min Scan# 3944
Delta R.T. -0.029 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

Instrument :
BNA_P
ClientSampled :

Tgt Ion:278 Resp: 187224
Ion Ratio Lower Upper
278 100
139 22.8 9.3 13.9#
279 31.7 18.8 28.2#



#92
Benzo(g,h,i)perylene
Concen: 8.708 ng
RT: 27.051 min Scan# 4074
Delta R.T. -0.023 min
Lab File: BP007196.D
Acq: 25 Sep 2021 20:41

Tgt Ion:276 Resp: 645728
Ion Ratio Lower Upper
276 100
277 25.1 18.9 28.3
138 20.4 12.6 18.8#

