

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
 Data File : BP007206.D
 Acq On : 27 Sep 2021 15:33
 Operator : CG/JU
 Sample : M3943-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-2

Quant Time: Sep 27 16:51:23 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)

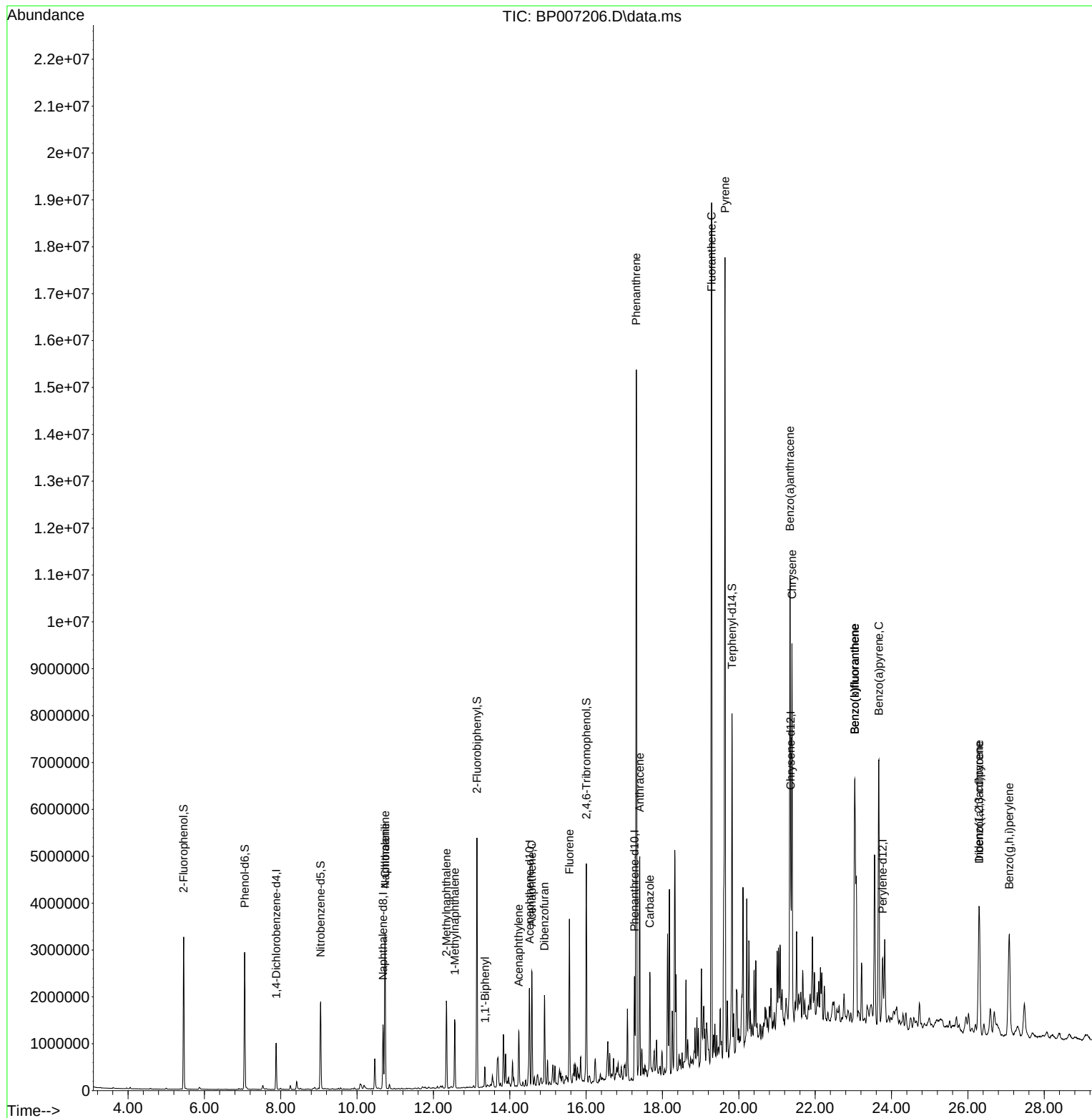
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	284936	20.000	ng	-0.01
21) Naphthalene-d8	10.681	136	1170595	20.000	ng	#-0.01
39) Acenaphthene-d10	14.516	164	743261	20.000	ng	-0.01
64) Phenanthrene-d10	17.269	188	1463161	20.000	ng	0.00
76) Chrysene-d12	21.357	240	1042959	20.000	ng	0.00
86) Perylene-d12	23.769	264	1102564	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	1501091	88.186	ng	0.00
7) Phenol-d6	7.058	99	1856201	79.786	ng	0.00
23) Nitrobenzene-d5	9.046	82	1123897	55.913	ng	-0.01
42) 2,4,6-Tribromophenol	16.004	330	894735	92.853	ng	-0.01
45) 2-Fluorobiphenyl	13.140	172	2813615	54.232	ng	-0.01
79) Terphenyl-d14	19.822	244	3422252	62.878	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.734	128	2843968	47.604	ng	100
33) 4-Chloroaniline	10.734	127	376832	15.268	ng	# 35
37) 2-Methylnaphthalene	12.340	142	901276	21.545	ng	97
38) 1-Methylnaphthalene	12.557	142	688228	16.838	ng	99
46) 1,1'-Biphenyl	13.352	154	204081	3.691	ng	99
49) Acenaphthylene	14.234	152	751580	11.394	ng	98
52) Acenaphthene	14.575	154	910424	22.782	ng	99
55) Dibenzofuran	14.910	168	980927	14.712	ng	# 95
58) Fluorene	15.563	166	1616994	31.392	ng	99
71) Phenanthrene	17.316	178	10540528	134.353	ng	96
72) Anthracene	17.404	178	3033006	39.520	ng	99
73) Carbazole	17.669	167	1358823	18.068	ng	99
75) Fluoranthene	19.286	202	12296638	136.042	ng	96
78) Pyrene	19.639	202	11469715	167.619	ng	94
81) Benzo(a)anthracene	21.339	228	5169270	76.358	ng	95
83) Chrysene	21.392	228	4457813	68.898	ng	95
87) Indeno(1,2,3-cd)pyrene	26.292	276	3061836	38.642	ng	98
88) Benzo(b)fluoranthene	23.039	252	5820670	88.338	ng	97
89) Benzo(k)fluoranthene	23.039	252	5820670	87.249	ng	# 97
90) Benzo(a)pyrene	23.669	252	4631013	82.726	ng	99
91) Dibenzo(a,h)anthracene	26.298	278	751341	11.315	ng	# 84
92) Benzo(g,h,i)perylene	27.086	276	3100747	47.851	ng	98

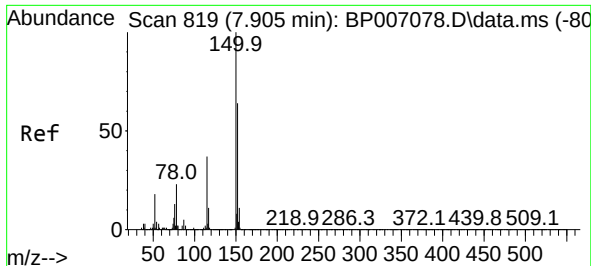
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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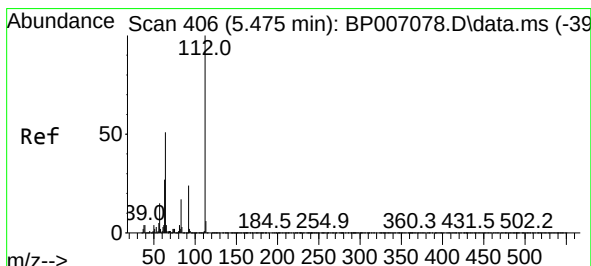
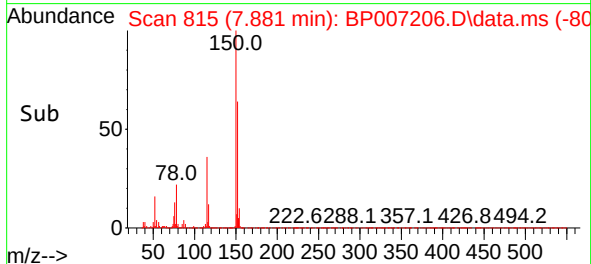
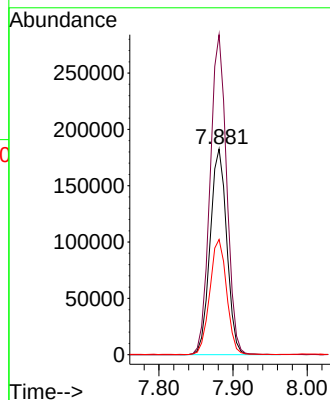
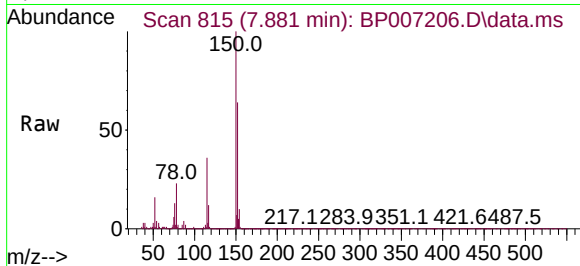




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 815
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

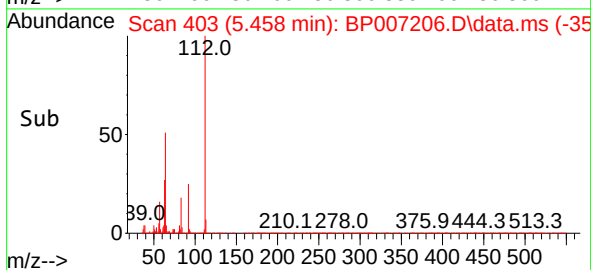
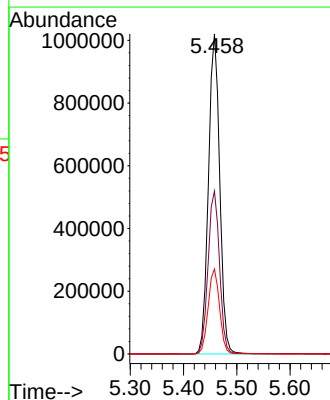
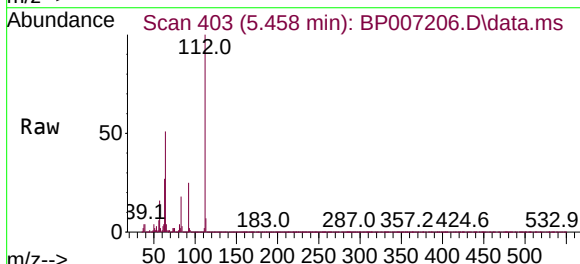
Instrument :
BNA_P
ClientSampleId :
TP-2

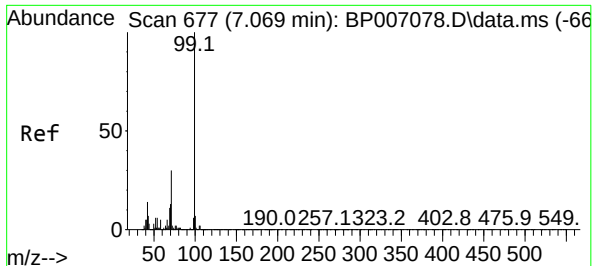
Tgt Ion:152 Resp: 284936
Ion Ratio Lower Upper
152 100
150 155.5 125.6 188.4
115 56.0 48.5 72.7



#5
2-Fluorophenol
Concen: 88.186 ng
RT: 5.458 min Scan# 403
Delta R.T. -0.006 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:112 Resp: 1501091
Ion Ratio Lower Upper
112 100
64 50.9 41.4 62.2
63 26.5 23.8 35.8



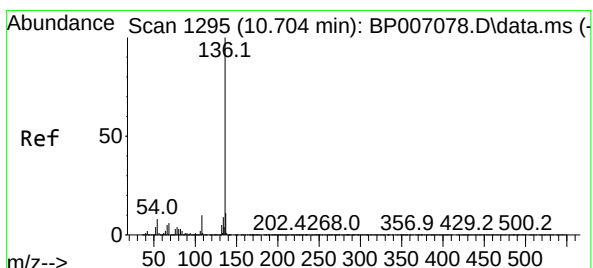
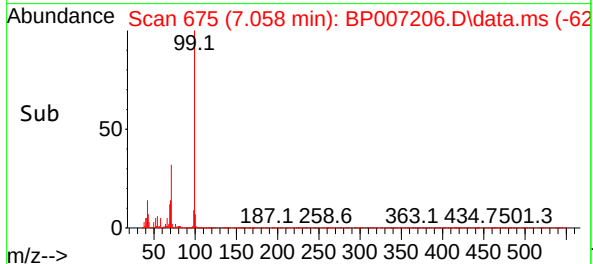
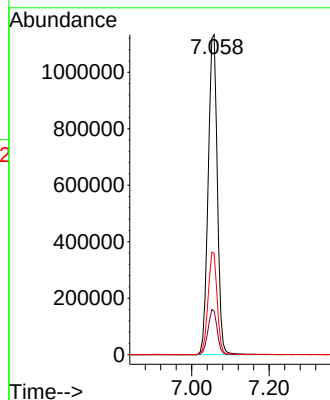
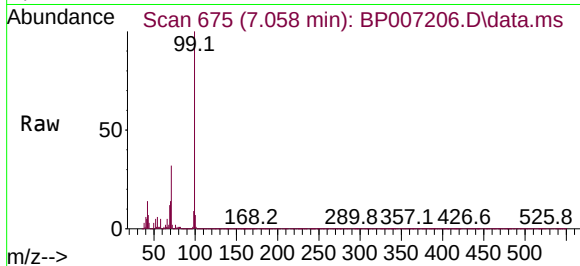


#7
Phenol-d6
Concen: 79.786 ng
RT: 7.058 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Instrument :
BNA_P
ClientSampled :
TP-2

Tgt Ion: 99 Resp: 1856201

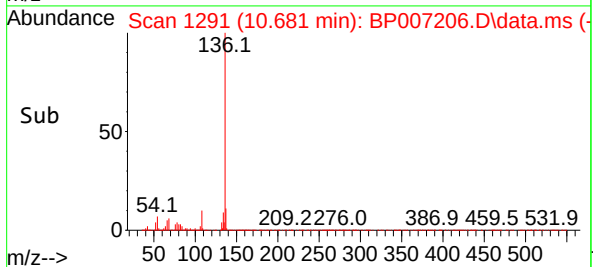
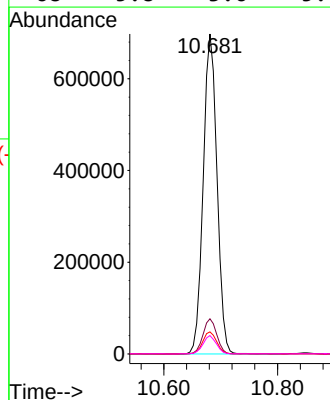
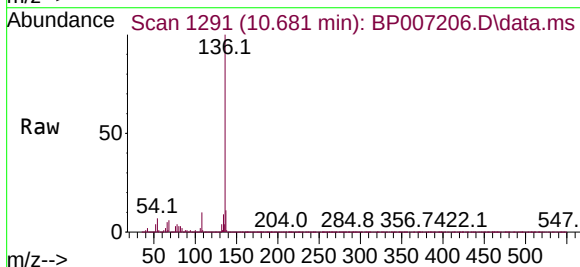
Ion	Ratio	Lower	Upper
99	100		
42	13.7	13.4	20.0
71	31.7	30.6	46.0

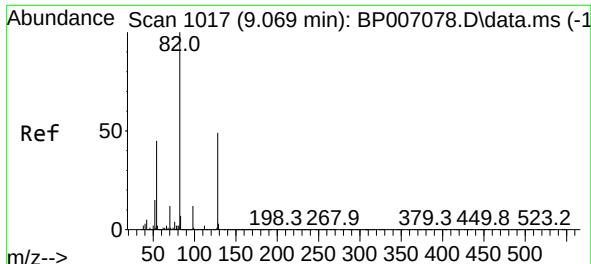


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.681 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion: 136 Resp: 1170595

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	6.9	4.6	6.8#
68	5.8	3.6	5.4#

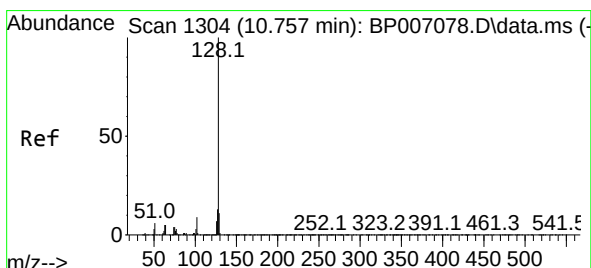
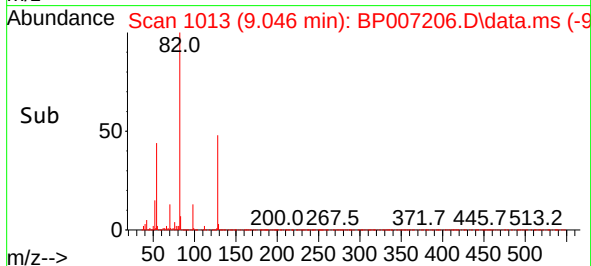
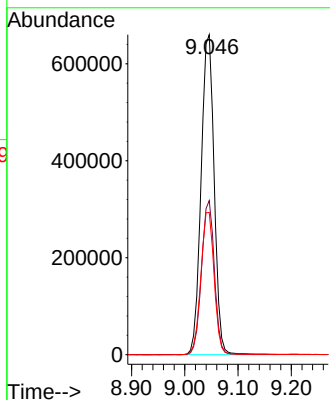
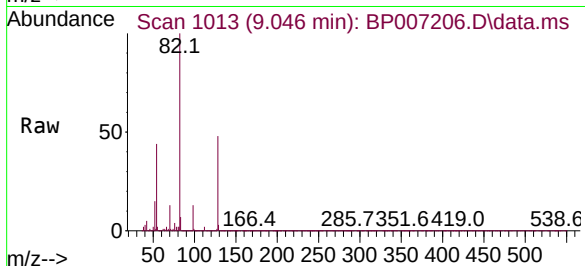




#23
Nitrobenzene-d5
Concen: 55.913 ng
RT: 9.046 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

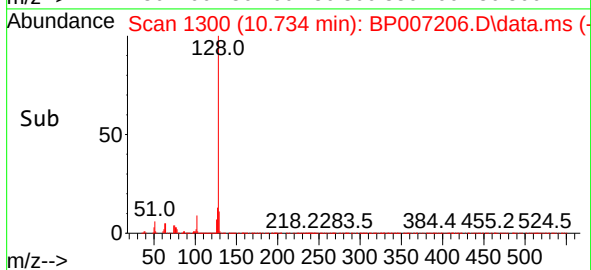
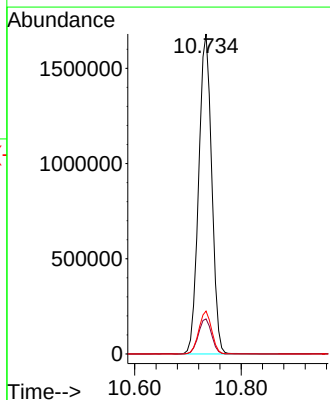
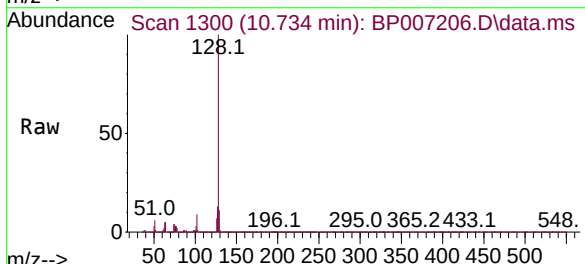
Instrument :
BNA_P
ClientSampled :
TP-2

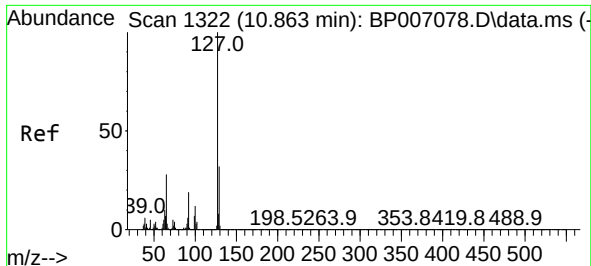
Tgt Ion: 82 Resp: 1123897
Ion Ratio Lower Upper
82 100
128 48.2 35.7 53.5
54 44.5 35.0 52.4



#31
Naphthalene
Concen: 47.604 ng
RT: 10.734 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:128 Resp: 2843968
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.4 10.7 16.1

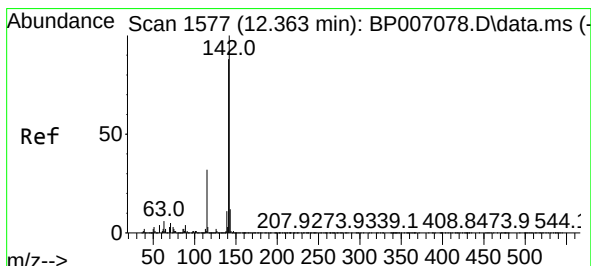
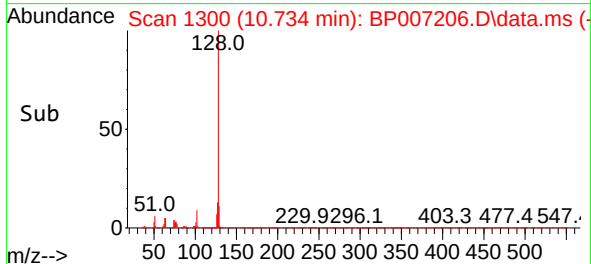
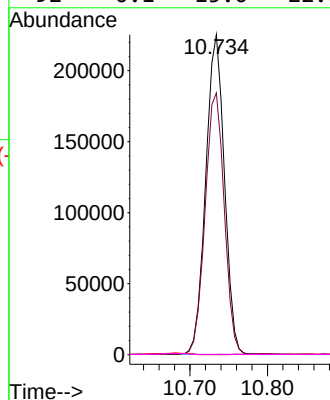
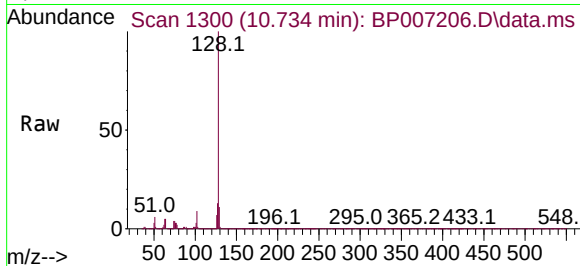




#33
4-Chloroaniline
Concen: 15.268 ng
RT: 10.734 min Scan# 1300
Delta R.T. -0.123 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

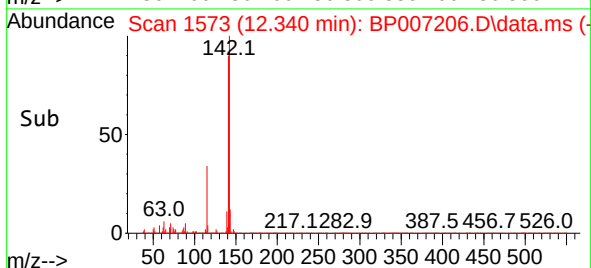
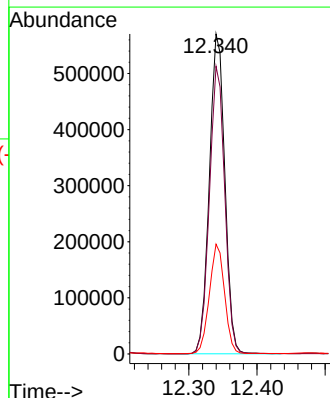
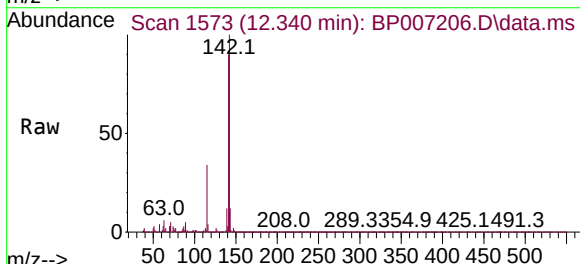
Instrument :
BNA_P
ClientSampleId :
TP-2

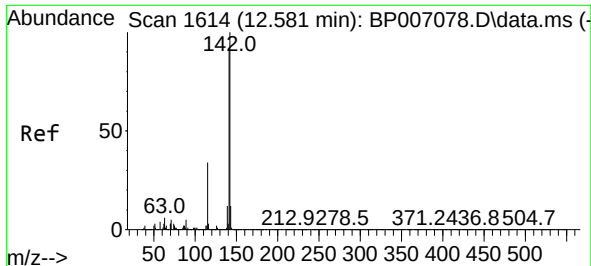
Tgt Ion:	127	Resp:	376832
Ion	Ratio	Lower	Upper
127	100		
129	81.8	26.1	39.1#
65	0.0	22.5	33.7#
92	0.1	15.0	22.6#



#37
2-Methylnaphthalene
Concen: 21.545 ng
RT: 12.340 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:	142	Resp:	901276
Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.8	107.6
115	34.3	31.6	47.4

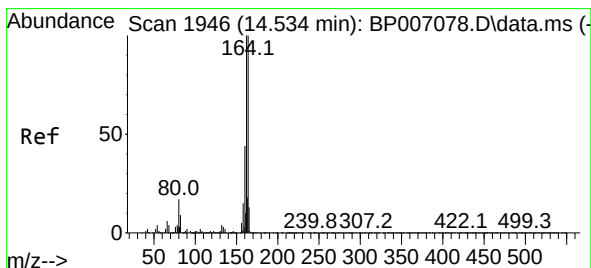
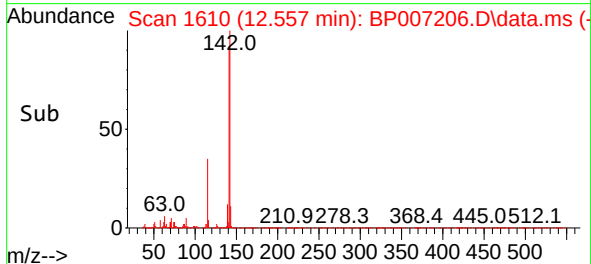
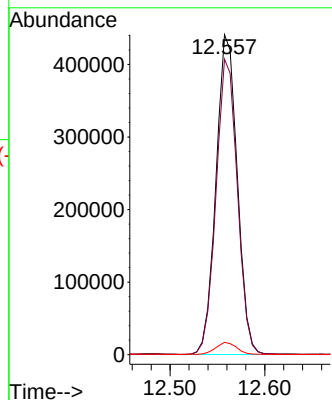
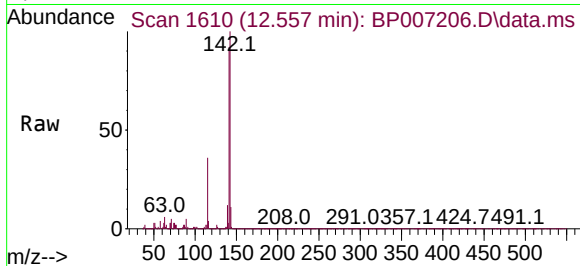




#38
1-Methylnaphthalene
Concen: 16.838 ng
RT: 12.557 min Scan# 1610
Delta R.T. -0.018 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

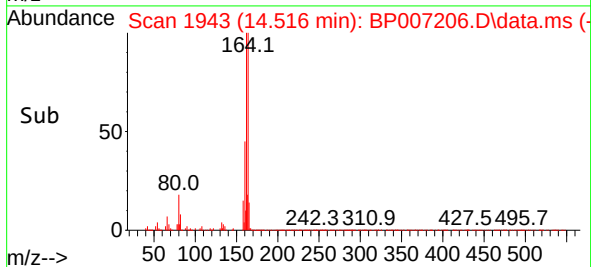
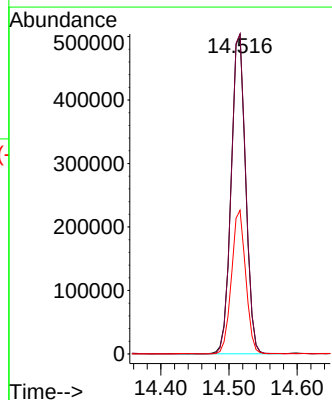
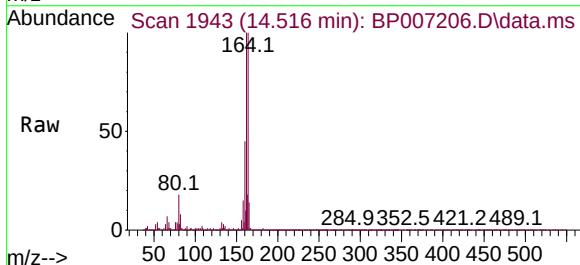
Instrument :
BNA_P
ClientSampled :
TP-2

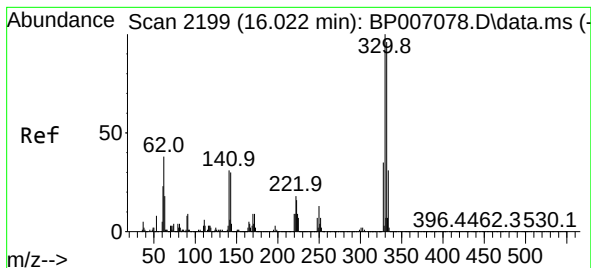
Tgt Ion:142 Resp: 688228
Ion Ratio Lower Upper
142 100
141 92.4 73.3 109.9
116 3.8 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:164 Resp: 743261
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.2
160 44.9 34.5 51.7

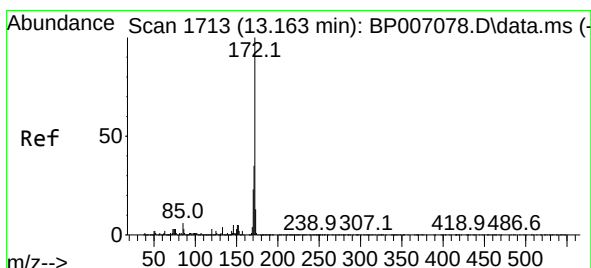
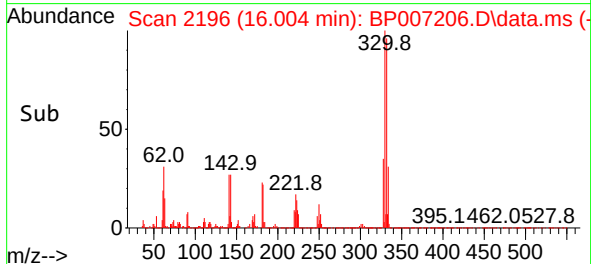
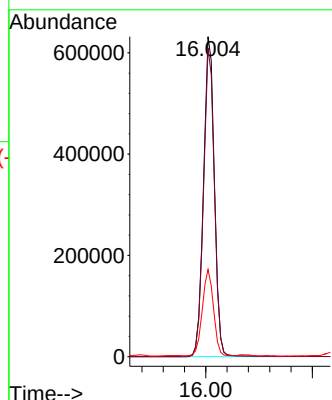
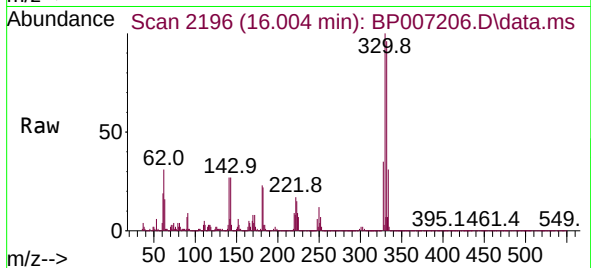




#42
2,4,6-Tribromophenol
Concen: 92.853 ng
RT: 16.004 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

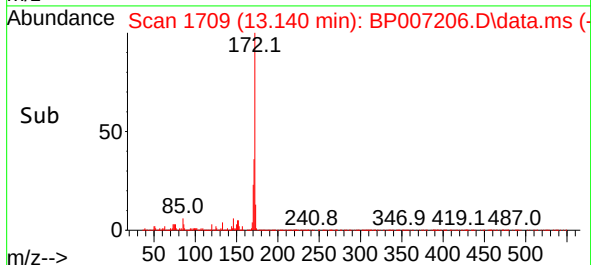
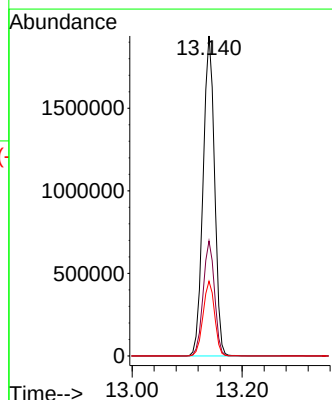
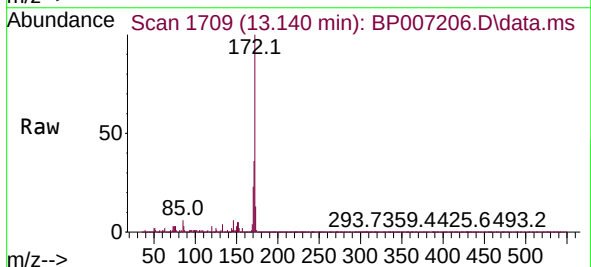
Instrument :
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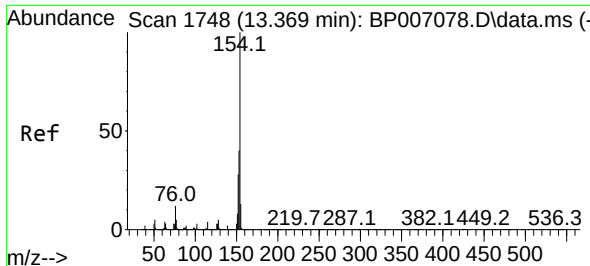
Tgt Ion:330 Resp: 894735
Ion Ratio Lower Upper
330 100
332 95.8 77.8 116.8
141 27.3 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 54.232 ng
RT: 13.140 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:172 Resp: 2813615
Ion Ratio Lower Upper
172 100
171 35.9 27.9 41.9
170 23.3 18.6 27.8

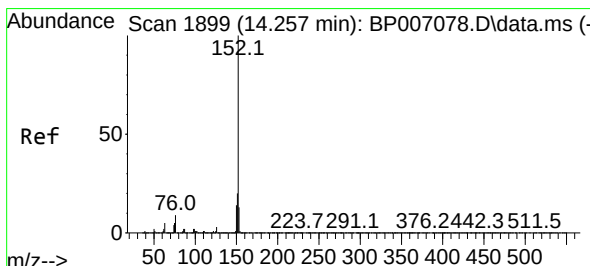
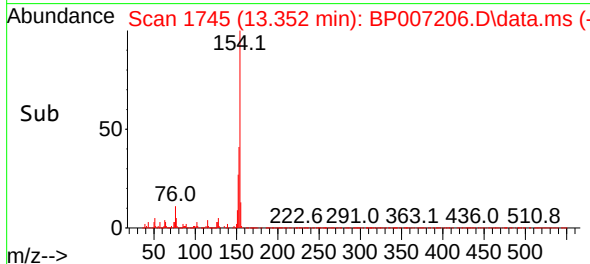
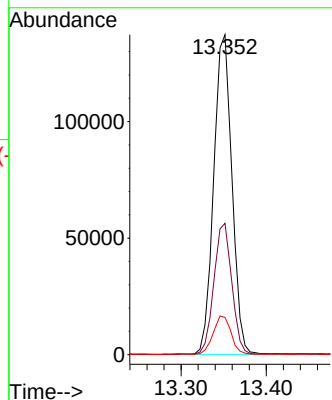
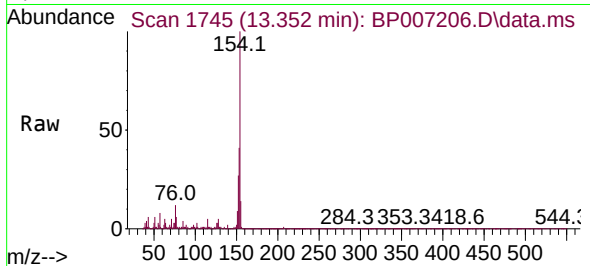




#46
1,1'-Biphenyl
Concen: 3.691 ng
RT: 13.352 min Scan# 1745
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

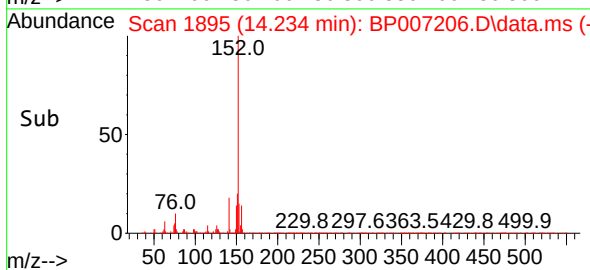
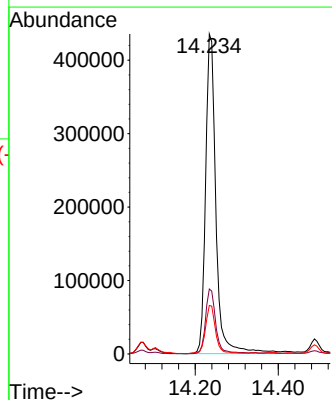
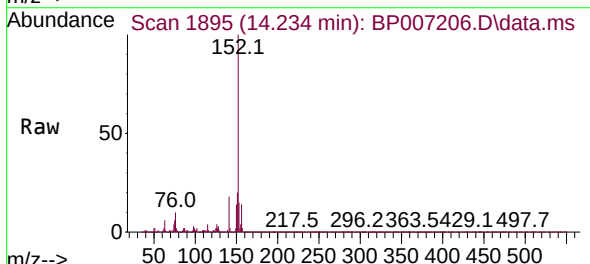
Instrument :
BNA_P
ClientSampleId :
TP-2

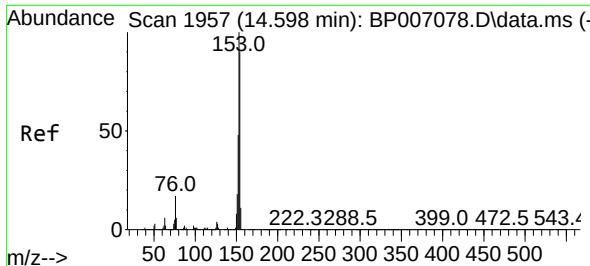
Tgt Ion:154 Resp: 204081
Ion Ratio Lower Upper
154 100
153 41.1 20.4 60.4
76 11.6 0.0 30.8



#49
Acenaphthylene
Concen: 11.394 ng
RT: 14.234 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:152 Resp: 751580
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 15.2 10.6 16.0

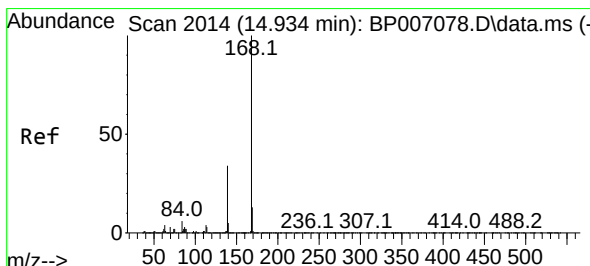
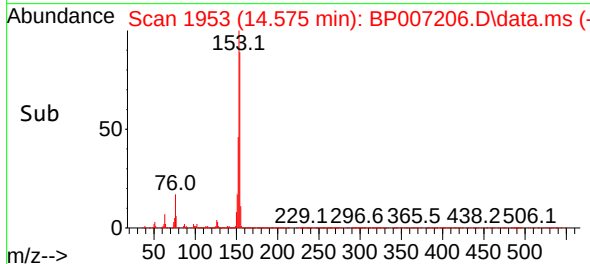
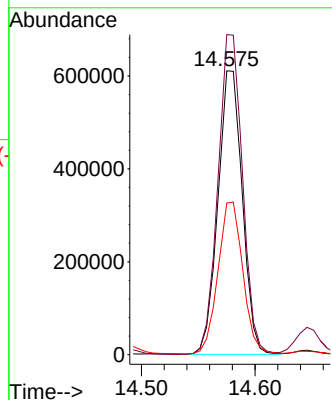
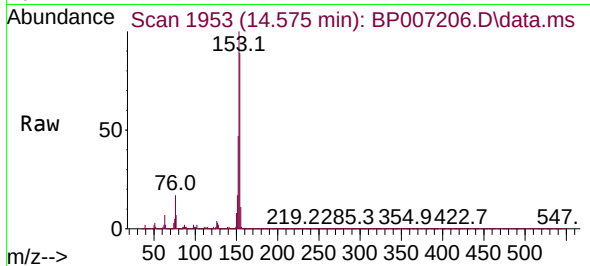




#52
Acenaphthene
Concen: 22.782 ng
RT: 14.575 min Scan# 1953
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

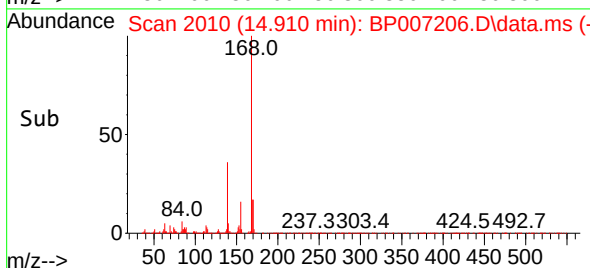
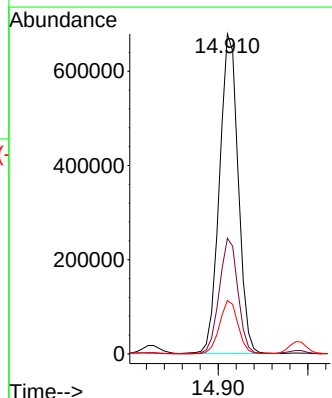
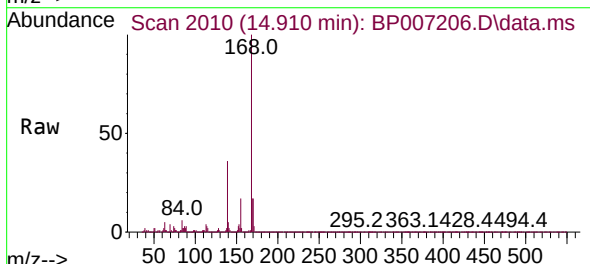
Instrument :
BNA_P
ClientSampleId :
TP-2

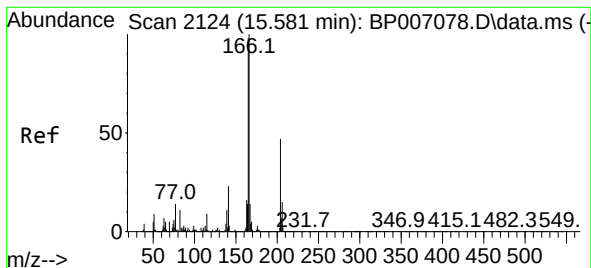
Tgt Ion:154 Resp: 910424
Ion Ratio Lower Upper
154 100
153 112.7 89.4 134.2
152 53.4 43.0 64.4



#55
Dibenzofuran
Concen: 14.712 ng
RT: 14.910 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:168 Resp: 980927
Ion Ratio Lower Upper
168 100
139 36.2 31.0 46.6
169 16.7 10.8 16.2#





#58

Fluorene

Concen: 31.392 ng

RT: 15.563 min Scan# 2121

Delta R.T. -0.012 min

Lab File: BP007206.D

Acq: 27 Sep 2021 15:33

Instrument :

BNA_P

ClientSampled :

TP-2

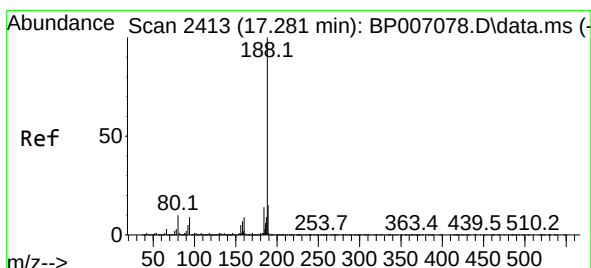
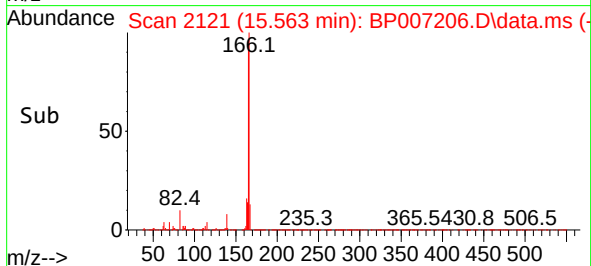
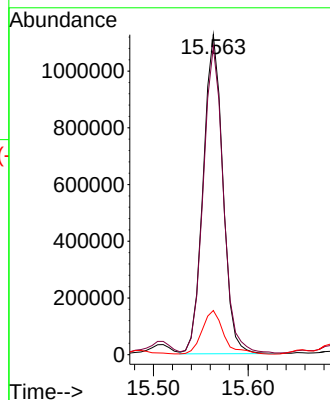
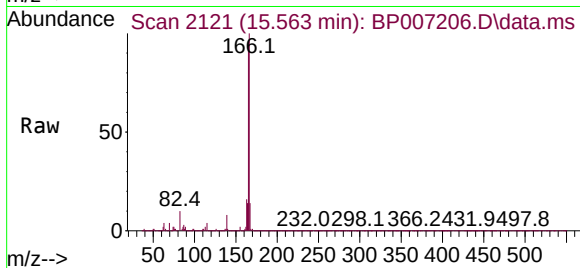
Tgt Ion:166 Resp: 1616994

Ion Ratio Lower Upper

166 100

165 96.2 78.0 117.0

167 13.8 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.269 min Scan# 2411

Delta R.T. -0.006 min

Lab File: BP007206.D

Acq: 27 Sep 2021 15:33

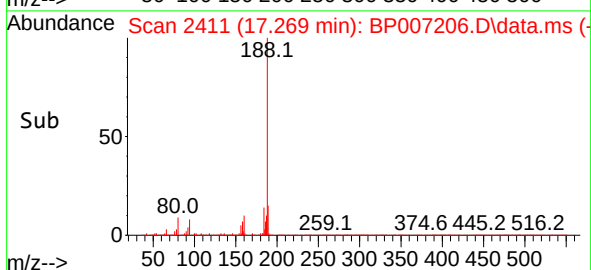
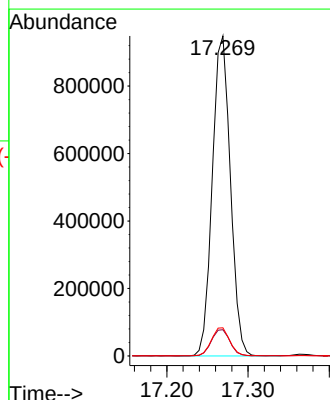
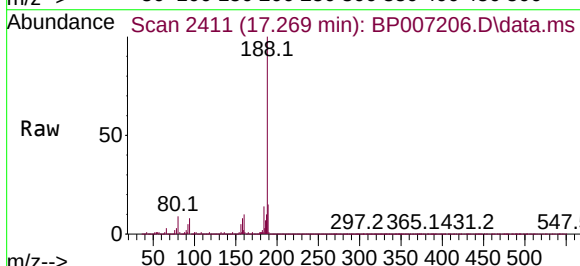
Tgt Ion:188 Resp: 1463161

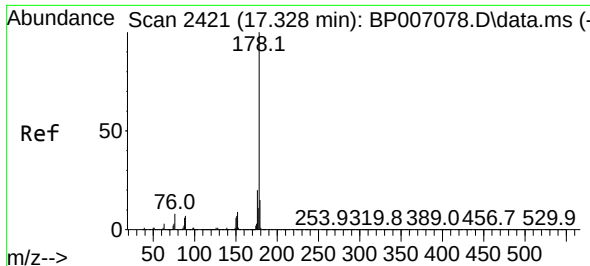
Ion Ratio Lower Upper

188 100

94 8.2 5.6 8.4

80 8.8 6.3 9.5

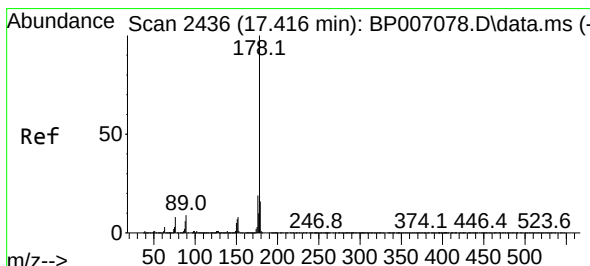
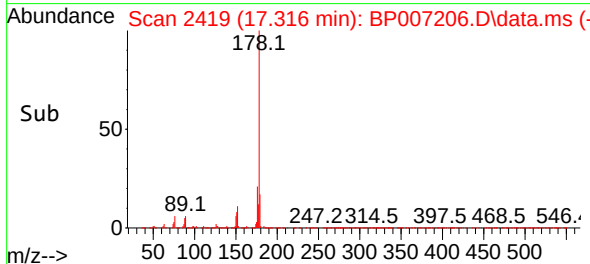
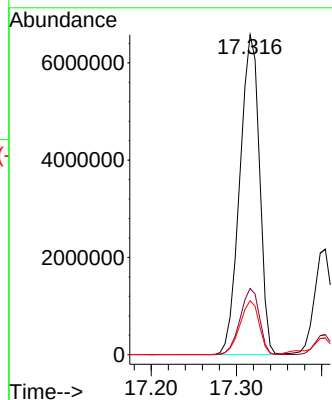
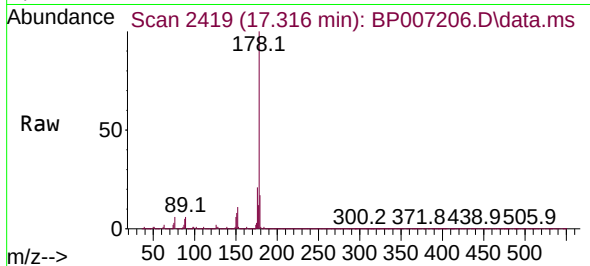




#71
Phenanthrene
Concen: 134.353 ng
RT: 17.316 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

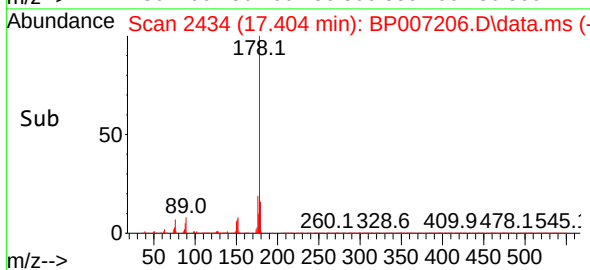
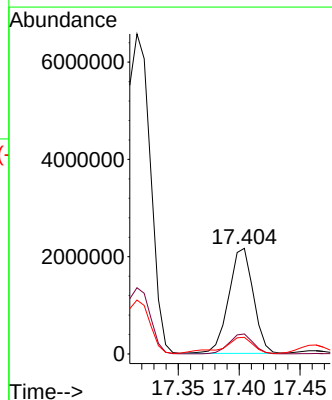
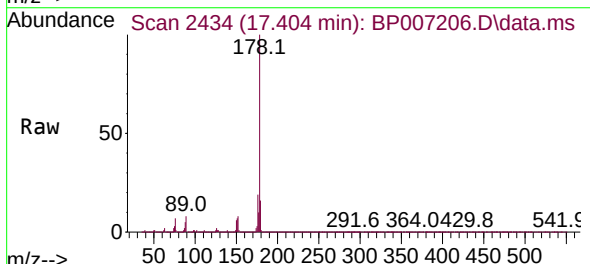
Instrument :
BNA_P
ClientSampled :
TP-2

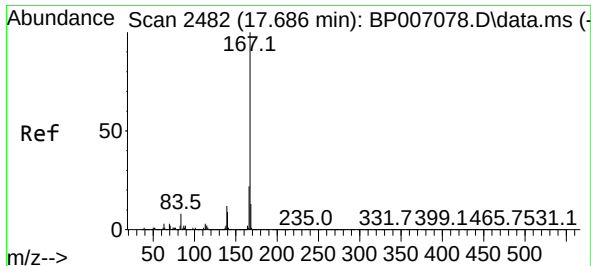
Tgt Ion:178 Resp:10540528
Ion Ratio Lower Upper
178 100
176 20.7 15.1 22.7
179 16.9 12.4 18.6



#72
Anthracene
Concen: 39.520 ng
RT: 17.404 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:178 Resp: 3033006
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.8 12.2 18.2

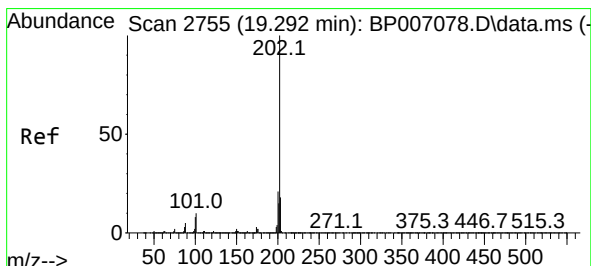
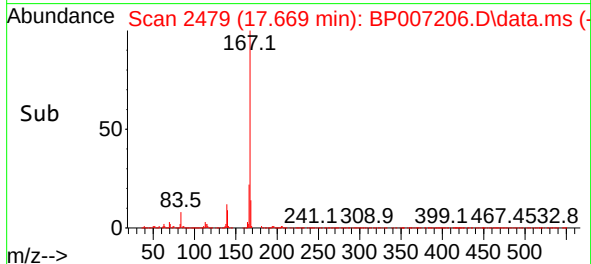
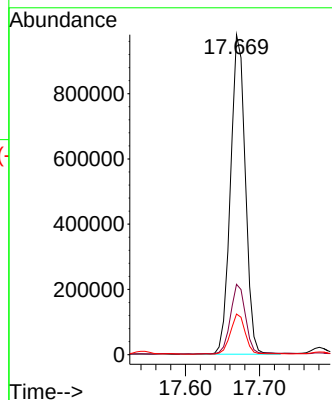
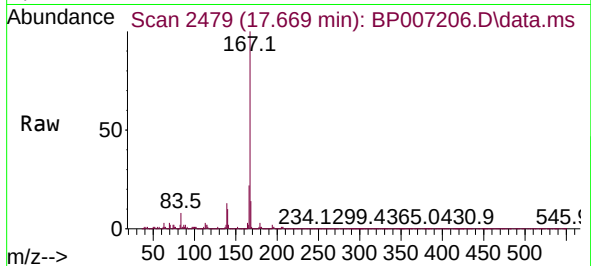




#73
Carbazole
Concen: 18.068 ng
RT: 17.669 min Scan# 2479
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

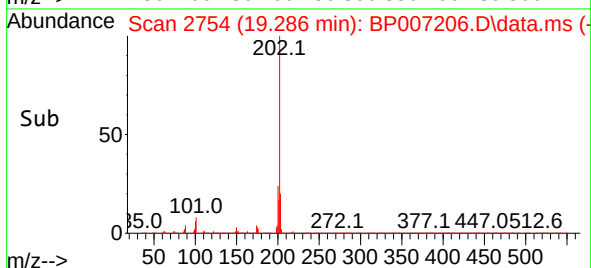
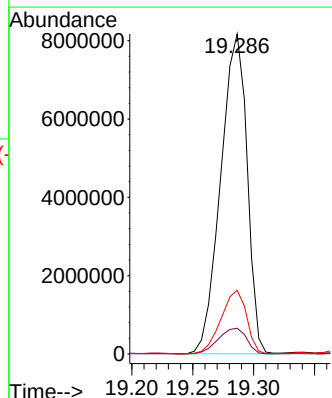
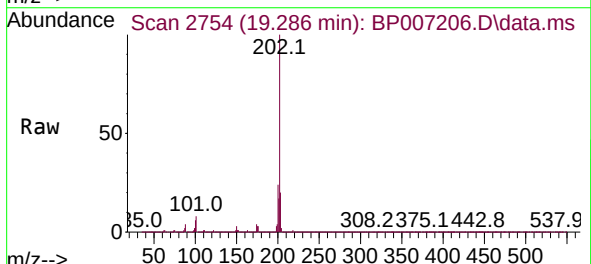
Instrument :
BNA_P
ClientSampled :
TP-2

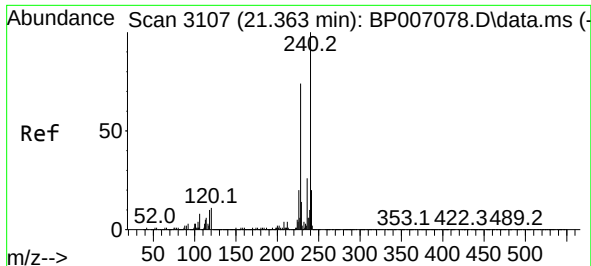
Tgt Ion:167 Resp: 1358823
Ion Ratio Lower Upper
167 100
166 22.0 17.1 25.7
139 12.7 10.7 16.1



#75
Fluoranthene
Concen: 136.042 ng
RT: 19.286 min Scan# 2754
Delta R.T. 0.006 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:202 Resp:12296638
Ion Ratio Lower Upper
202 100
101 8.1 0.0 27.6
203 19.9 0.0 37.8

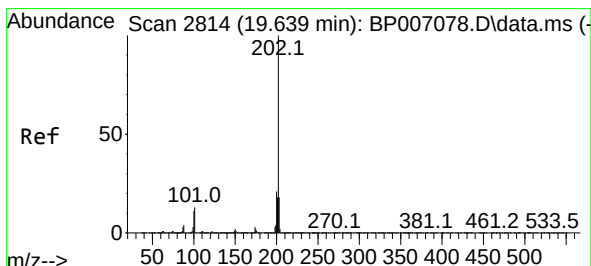
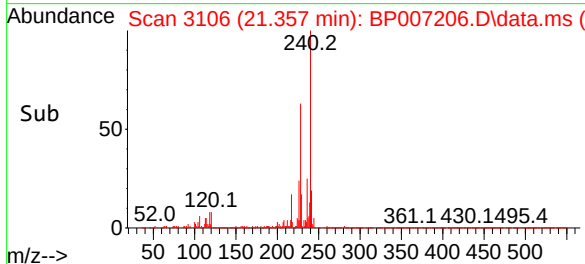
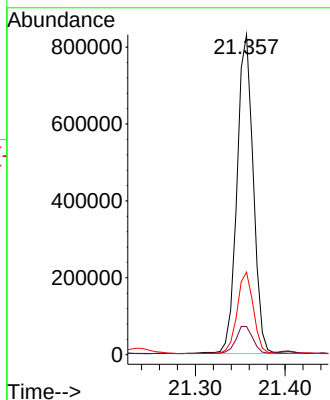
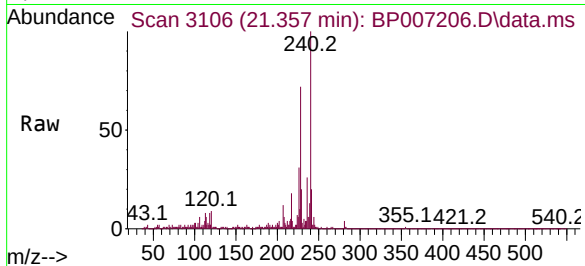




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.357 min Scan# 3106
Delta R.T. 0.000 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

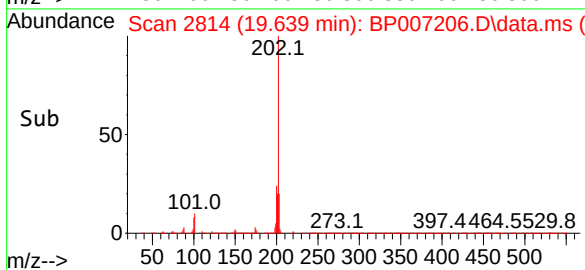
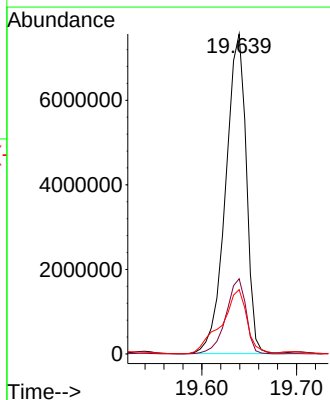
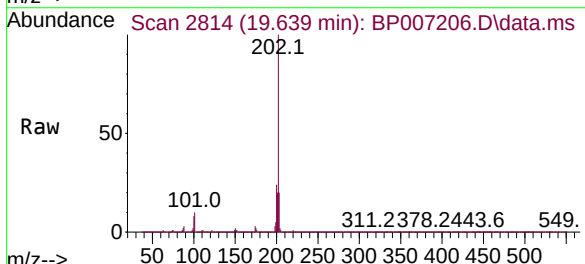
Instrument :
BNA_P
ClientSampleId :
TP-2

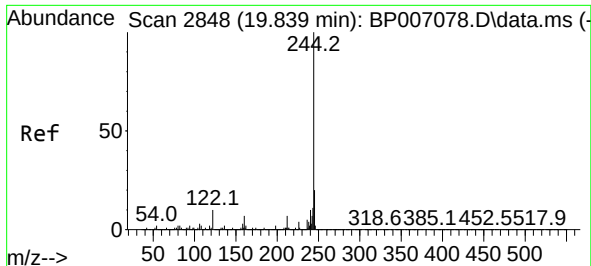
Tgt Ion:240 Resp: 1042959
Ion Ratio Lower Upper
240 100
120 8.8 6.5 9.7
236 25.8 20.6 31.0



#78
Pyrene
Concen: 167.619 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:202 Resp:11469715
Ion Ratio Lower Upper
202 100
200 23.5 16.3 24.5
203 20.1 14.2 21.2

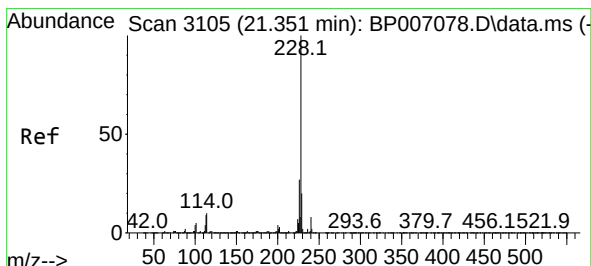
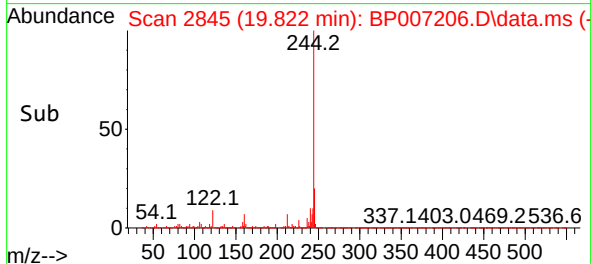
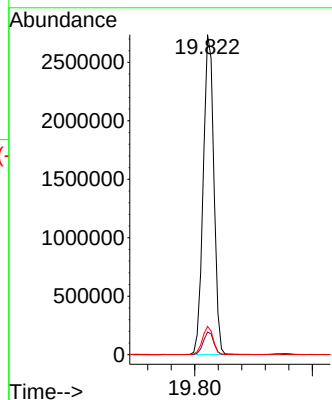
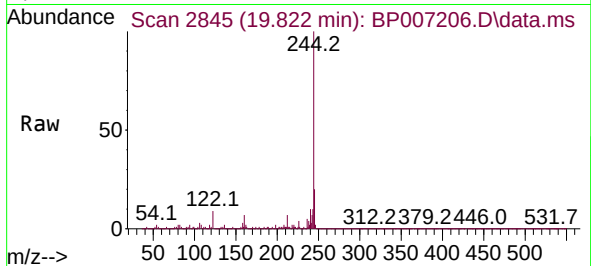




#79
Terphenyl-d14
Concen: 62.878 ng
RT: 19.822 min Scan# 2845
Delta R.T. -0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

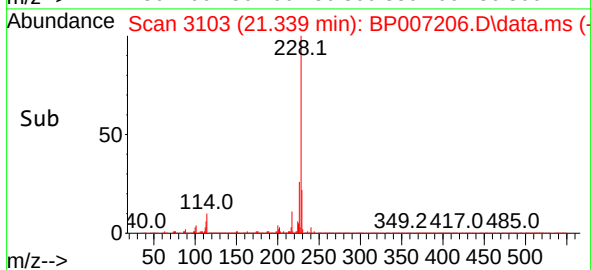
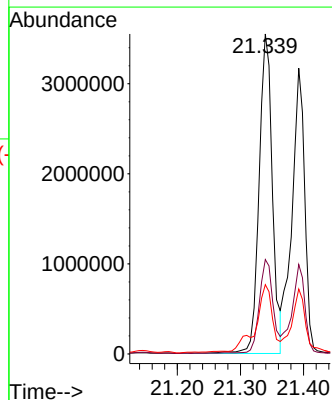
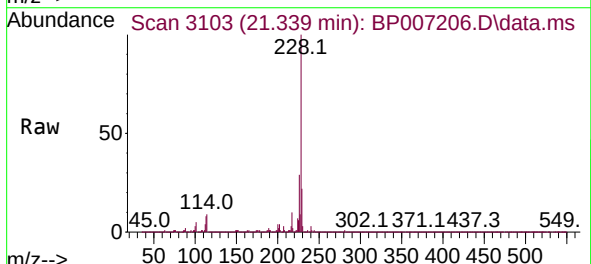
Instrument :
BNA_P
ClientSampled :
TP-2

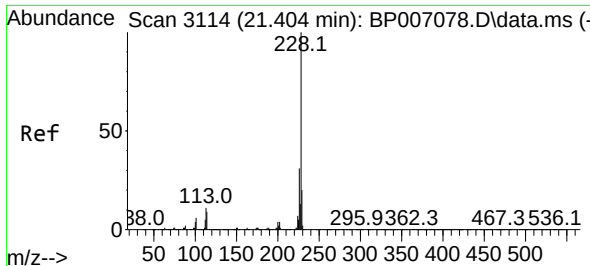
Tgt Ion:244 Resp: 3422252
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 8.8 7.1 10.7



#81
Benzo(a)anthracene
Concen: 76.358 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:228 Resp: 5169270
Ion Ratio Lower Upper
228 100
226 29.5 21.6 32.4
229 21.7 15.8 23.6

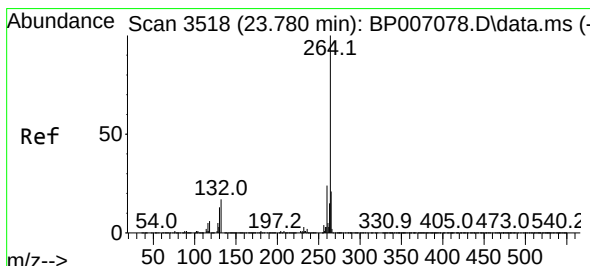
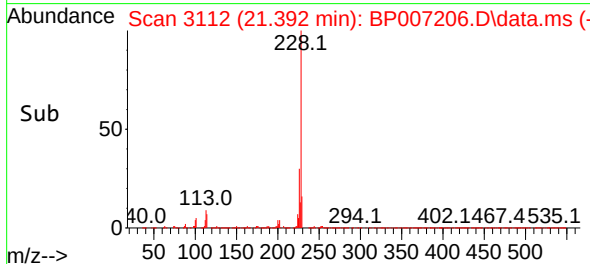
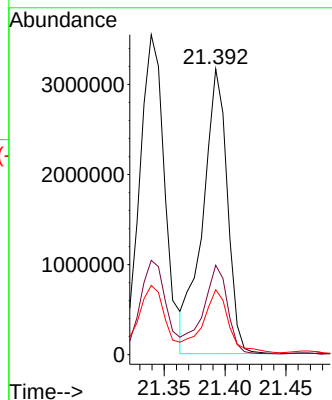
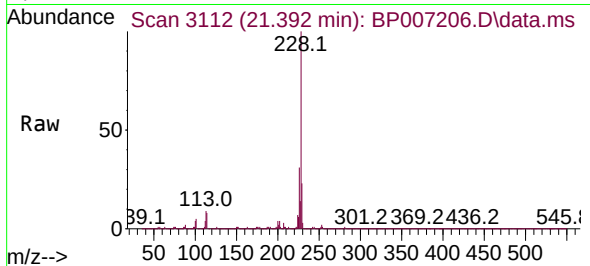




#83
Chrysene
Concen: 68.898 ng
RT: 21.392 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

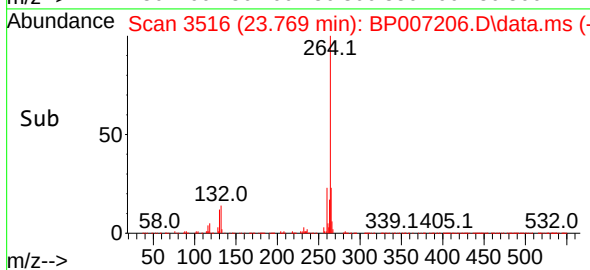
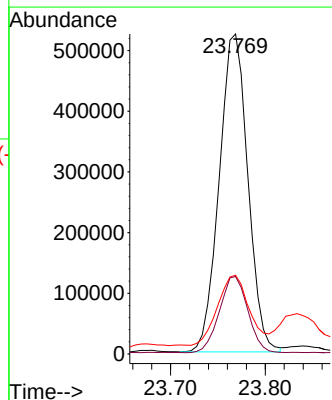
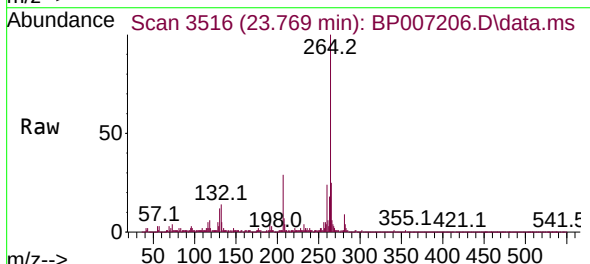
Instrument :
BNA_P
ClientSampled :
TP-2

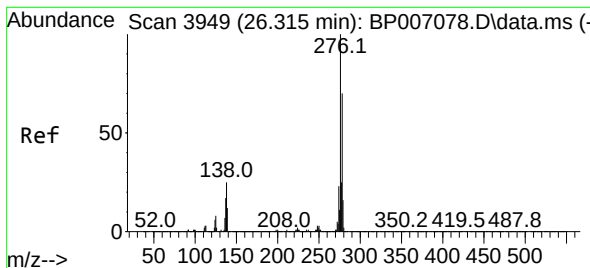
Tgt Ion:228 Resp: 4457813
Ion Ratio Lower Upper
228 100
226 31.3 23.8 35.6
229 22.7 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.769 min Scan# 3516
Delta R.T. 0.000 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:264 Resp: 1102564
Ion Ratio Lower Upper
264 100
260 24.2 18.6 28.0
265 24.6 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.642 ng

RT: 26.292 min Scan# 3945

Delta R.T. -0.012 min

Lab File: BP007206.D

Acq: 27 Sep 2021 15:33

Instrument :

BNA_P

ClientSampled :

TP-2

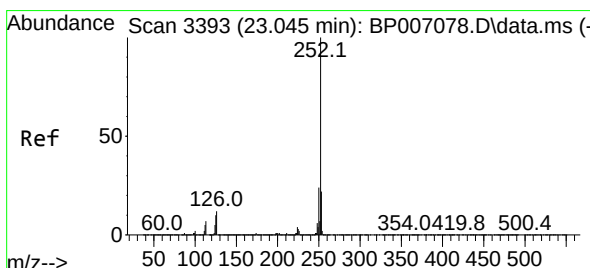
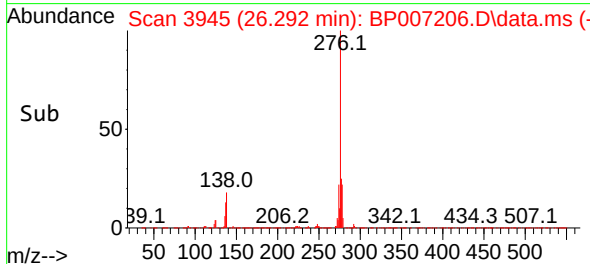
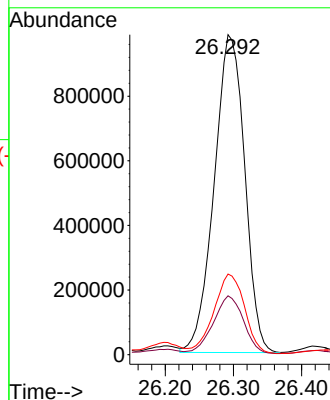
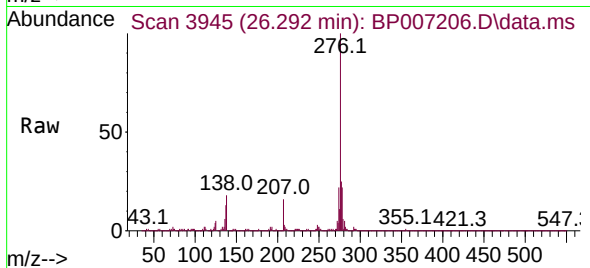
Tgt Ion:276 Resp: 3061836

Ion Ratio Lower Upper

276 100

138 17.9 15.3 22.9

277 25.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 88.338 ng

RT: 23.039 min Scan# 3392

Delta R.T. 0.006 min

Lab File: BP007206.D

Acq: 27 Sep 2021 15:33

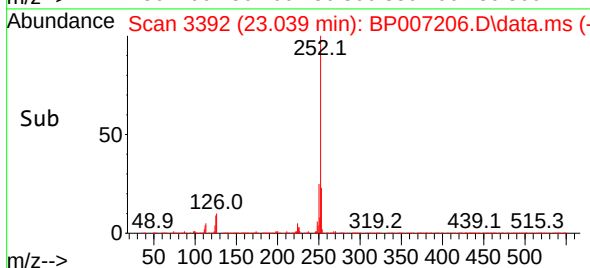
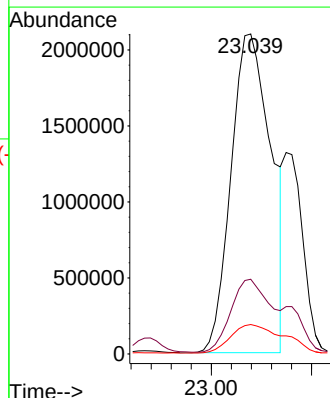
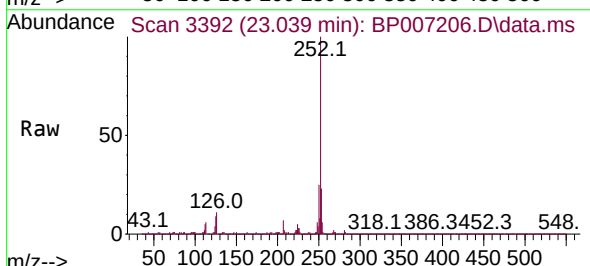
Tgt Ion:252 Resp: 5820670

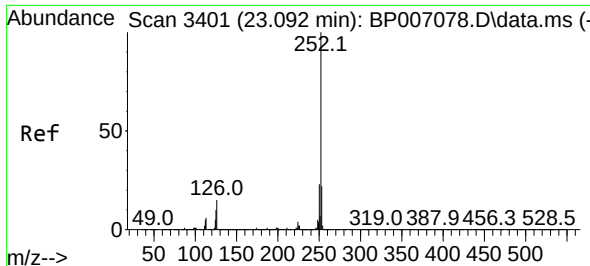
Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 9.2 6.2 9.4

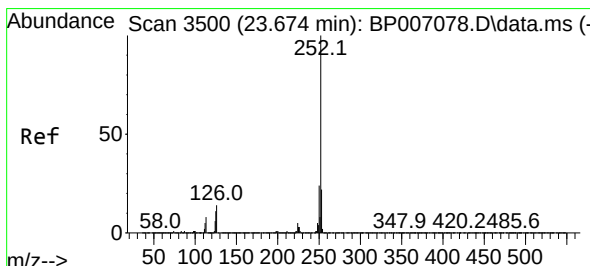
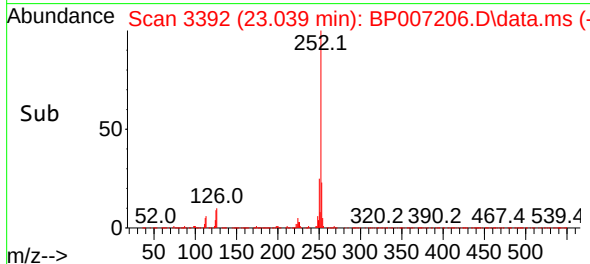
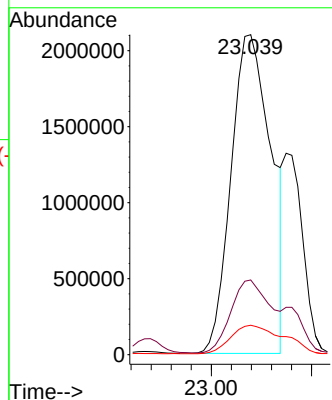
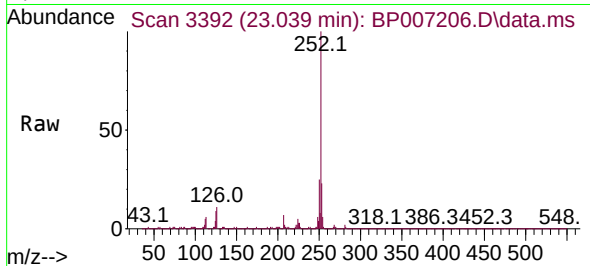




#89
Benzo(k)fluoranthene
Concen: 87.249 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.047 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

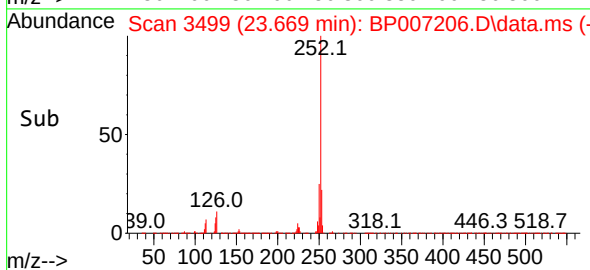
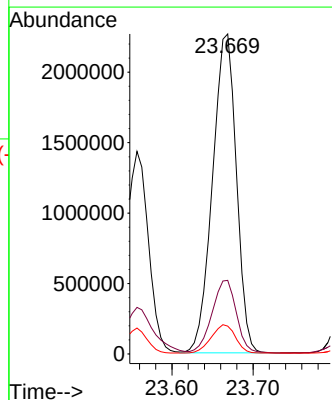
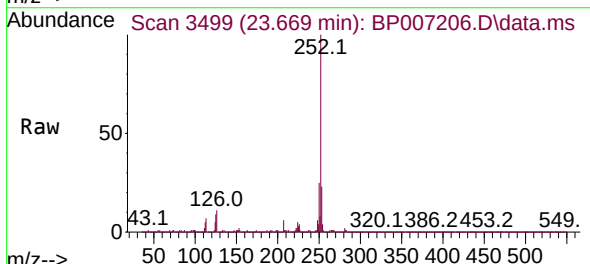
Instrument :
BNA_P
ClientSampleId :
TP-2

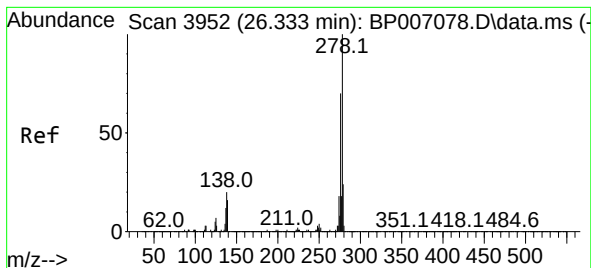
Tgt Ion:252 Resp: 5820670
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 9.2 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 82.726 ng
RT: 23.669 min Scan# 3499
Delta R.T. 0.000 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:252 Resp: 4631013
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 8.7 6.5 9.7

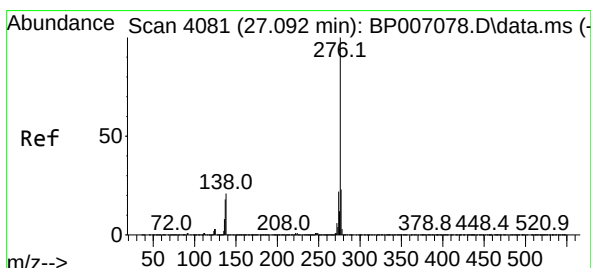
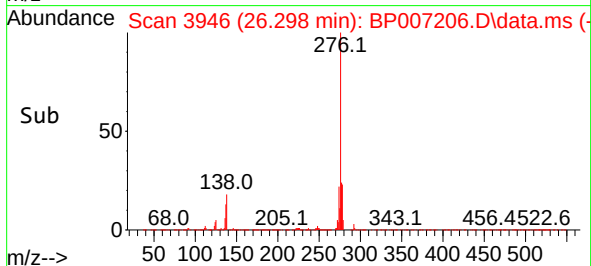
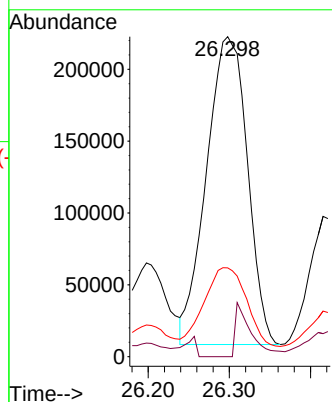
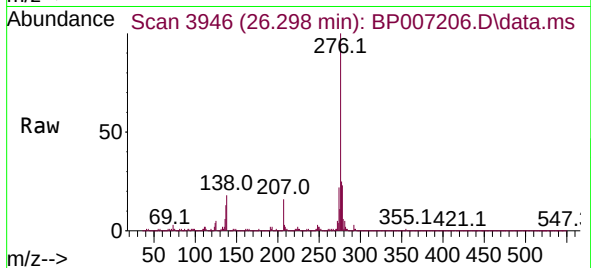




#91
Dibenzo(a,h)anthracene
Concen: 11.315 ng
RT: 26.298 min Scan# 3946
Delta R.T. -0.018 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Instrument :
BNA_P
ClientSampled :
TP-2

Tgt Ion:278 Resp: 751341
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 27.7 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 47.851 ng
RT: 27.086 min Scan# 4080
Delta R.T. 0.012 min
Lab File: BP007206.D
Acq: 27 Sep 2021 15:33

Tgt Ion:276 Resp: 3100747
Ion Ratio Lower Upper
276 100
277 24.0 18.9 28.3
138 17.6 12.6 18.8

