

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
 Data File : BP007180.D
 Acq On : 25 Sep 2021 03:18
 Operator : CG/JU
 Sample : M3917-13 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 25 04:03:13 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)

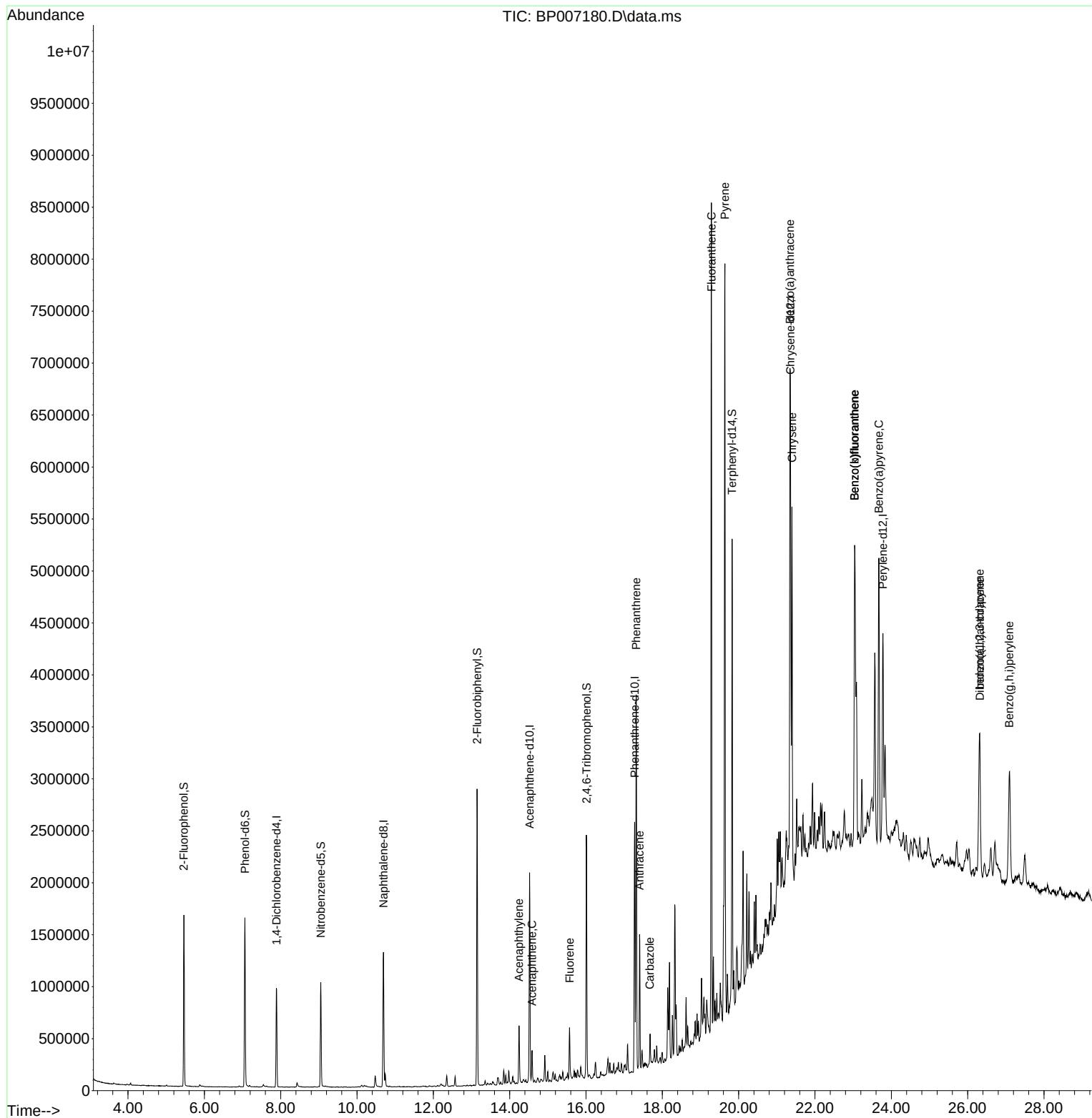
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	286414	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	1121842	20.000	ng	# 0.00
39) Acenaphthene-d10	14.522	164	714388	20.000	ng	0.00
64) Phenanthrene-d10	17.275	188	1481601	20.000	ng	0.00
76) Chrysene-d12	21.357	240	1412545	20.000	ng	# 0.00
86) Perylene-d12	23.780	264	1565864	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	772315	45.138	ng	0.00
7) Phenol-d6	7.063	99	1012601	43.301	ng	0.00
23) Nitrobenzene-d5	9.052	82	587454	30.495	ng	0.00
42) 2,4,6-Tribromophenol	16.016	330	476688	51.469	ng	0.00
45) 2-Fluorobiphenyl	13.145	172	1514316	30.368	ng	0.00
79) Terphenyl-d14	19.827	244	2078087	28.191	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.245	152	439123	6.926	ng	100
52) Acenaphthene	14.587	154	115637	3.011	ng	98
58) Fluorene	15.569	166	238992	4.827	ng	97
71) Phenanthrene	17.316	178	2251332	28.339	ng	100
72) Anthracene	17.404	178	840534	10.816	ng	99
73) Carbazole	17.675	167	195512	2.567	ng	97
75) Fluoranthene	19.286	202	4792518	52.362	ng	98
78) Pyrene	19.639	202	4506410	48.626	ng	98
81) Benzo(a)anthracene	21.345	228	2313944	25.237	ng	95
83) Chrysene	21.398	228	2004930	22.880	ng	97
87) Indeno(1,2,3-cd)pyrene	26.315	276	1523412	13.538	ng	99
88) Benzo(b)fluoranthene	23.039	252	2998640	32.044	ng	# 95
89) Benzo(k)fluoranthene	23.039	252	2998640	31.649	ng	# 95
90) Benzo(a)pyrene	23.674	252	2222742	27.958	ng	# 98
91) Dibenzo(a,h)anthracene	26.321	278	393844	4.176	ng	# 86
92) Benzo(g,h,i)perylene	27.092	276	1485310	16.139	ng	# 95

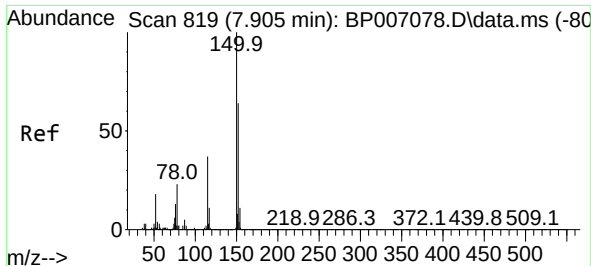
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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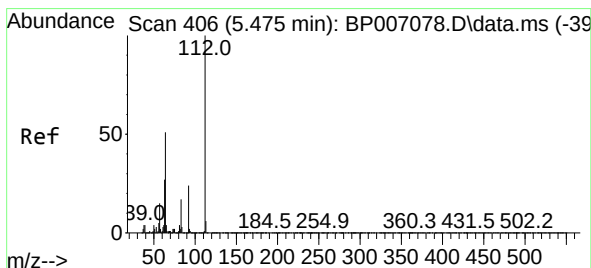
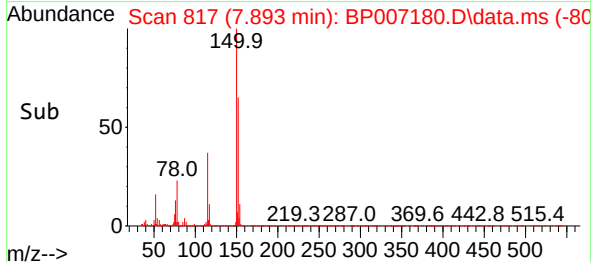
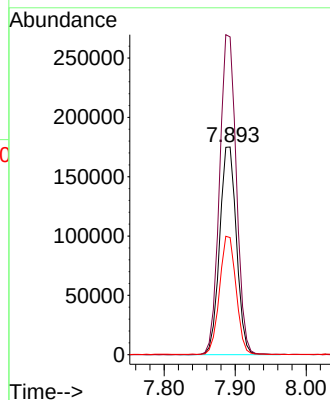
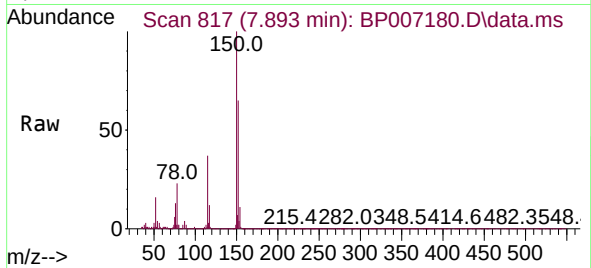




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 817
Delta R.T. -0.000 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

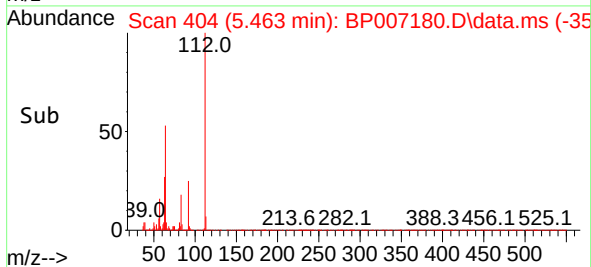
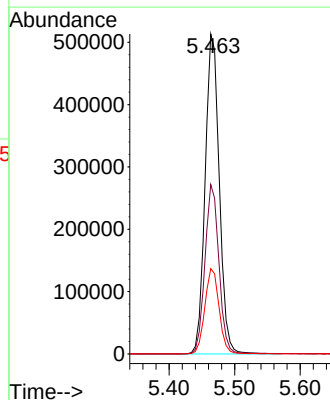
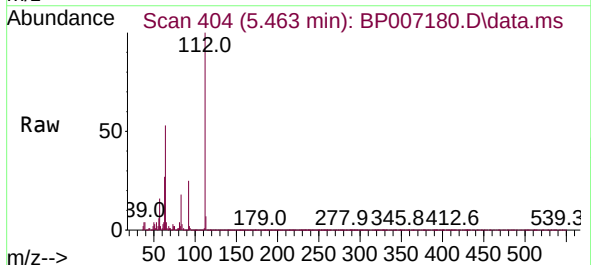
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BNA_P
ClientSampleId :

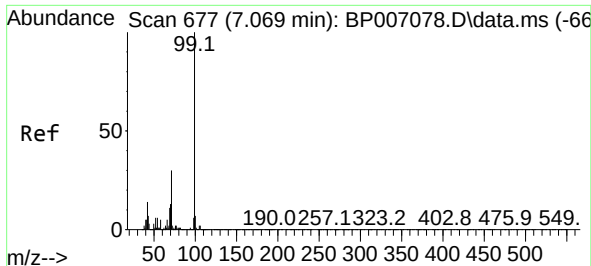
Tgt Ion:152 Resp: 286414
Ion Ratio Lower Upper
152 100
150 153.0 125.6 188.4
115 56.4 48.5 72.7



#5
2-Fluorophenol
Concen: 45.138 ng
RT: 5.463 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

Tgt Ion:112 Resp: 772315
Ion Ratio Lower Upper
112 100
64 53.0 41.4 62.2
63 26.6 23.8 35.8

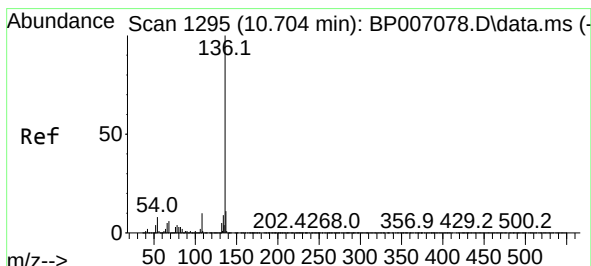
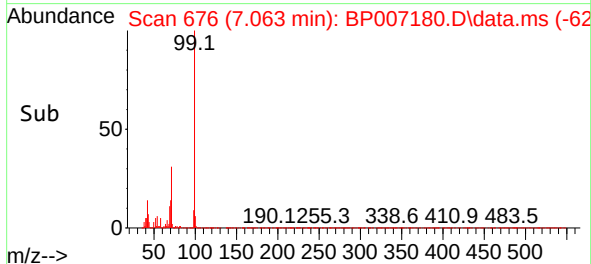
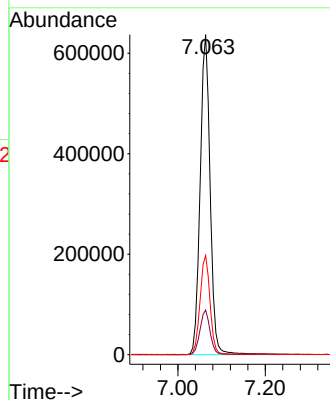
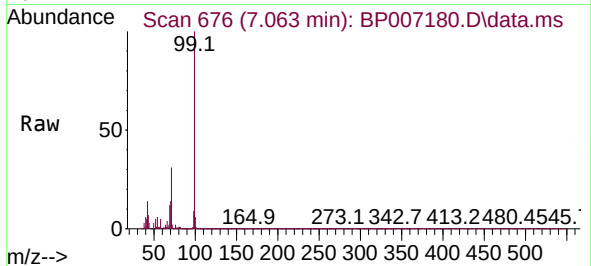




#7
Phenol-d6
Concen: 43.301 ng
RT: 7.063 min Scan# 676
Delta R.T. -0.000 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

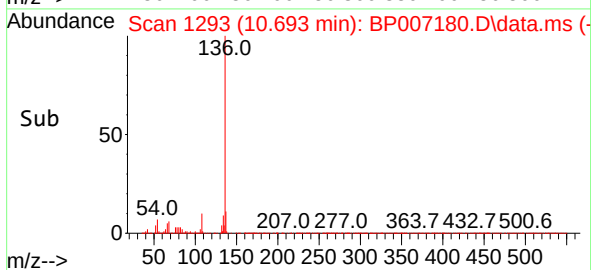
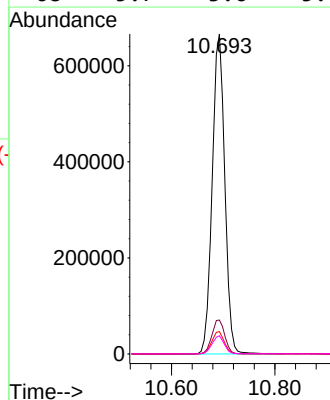
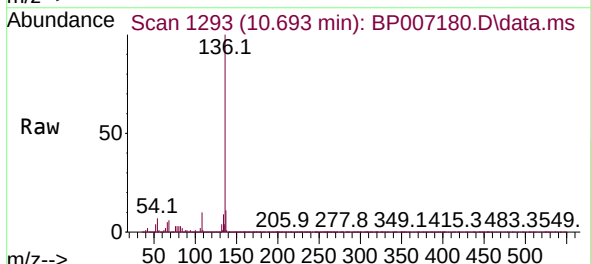
Instrument :
BNA_P
ClientSampleId :

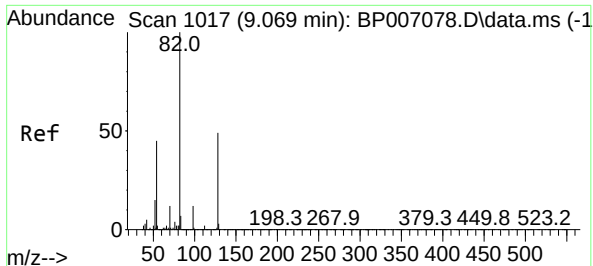
Tgt Ion: 99 Resp: 1012601
Ion Ratio Lower Upper
99 100
42 13.9 13.4 20.0
71 31.0 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

Tgt Ion: 136 Resp: 1121842
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 7.0 4.6 6.8#
68 5.7 3.6 5.4#

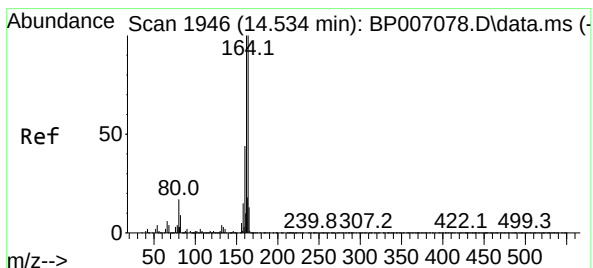
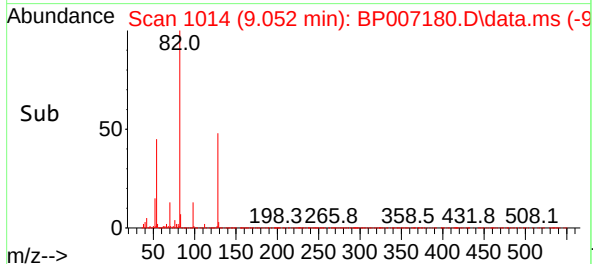
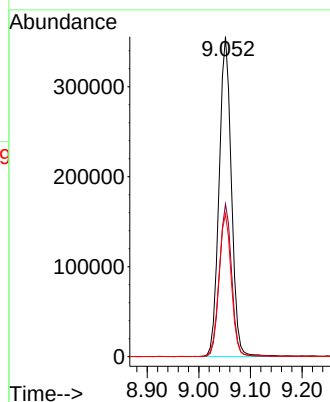
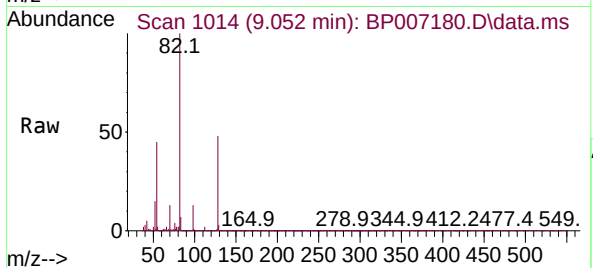




#23
Nitrobenzene-d5
Concen: 30.495 ng
RT: 9.052 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

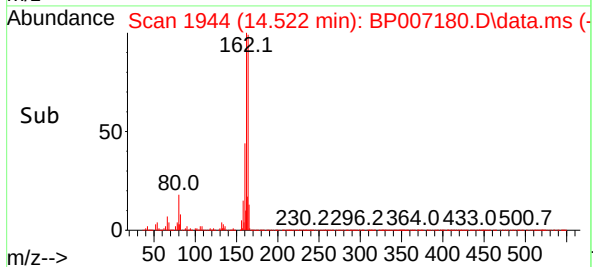
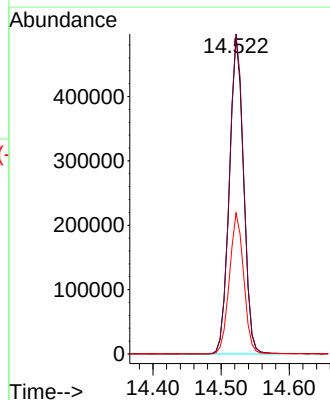
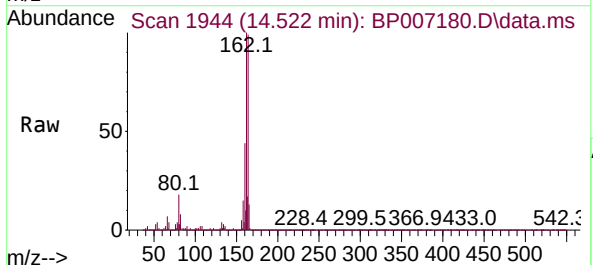
Instrument :
BNA_P
ClientSampleId :

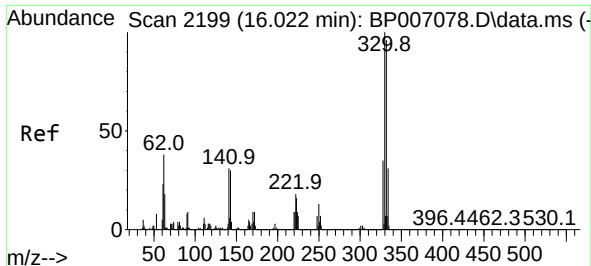
Tgt Ion: 82 Resp: 587454
Ion Ratio Lower Upper
82 100
128 47.7 35.7 53.5
54 44.6 35.0 52.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

Tgt Ion: 164 Resp: 714388
Ion Ratio Lower Upper
164 100
162 101.0 80.2 120.2
160 44.4 34.5 51.7

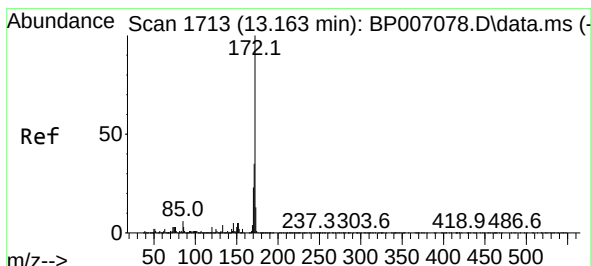
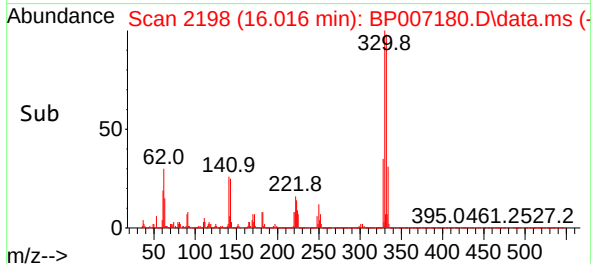
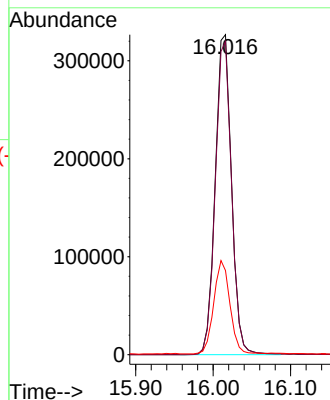
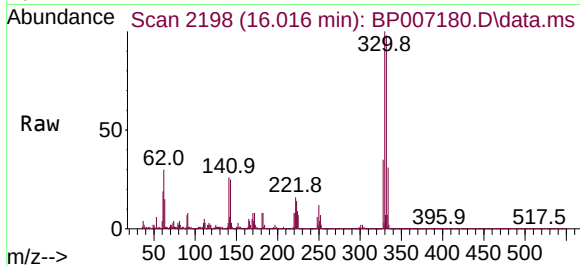




#42
2,4,6-Tribromophenol
Concen: 51.469 ng
RT: 16.016 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

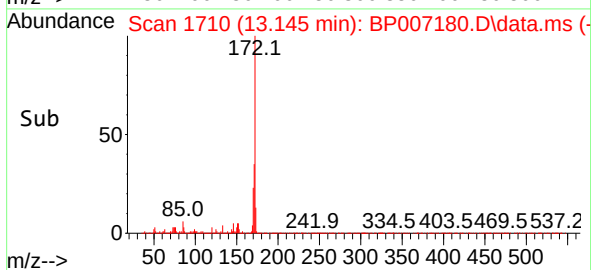
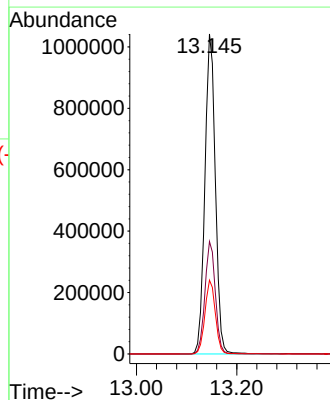
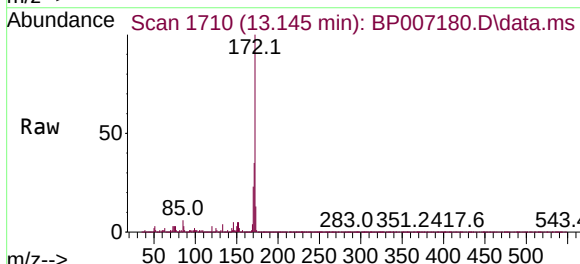
Instrument :
BNA_P
ClientSampleId :

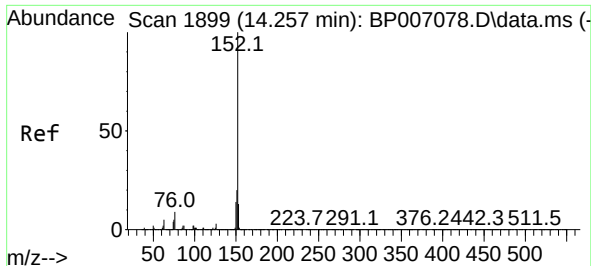
Tgt Ion:330 Resp: 476688
Ion Ratio Lower Upper
330 100
332 97.5 77.8 116.8
141 28.9 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 30.368 ng
RT: 13.145 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

Tgt Ion:172 Resp: 1514316
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.1 18.6 27.8

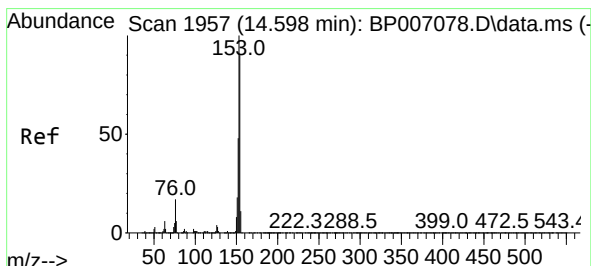
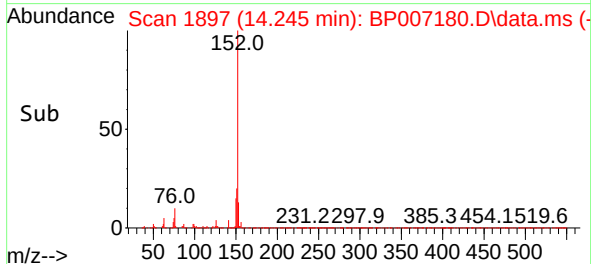
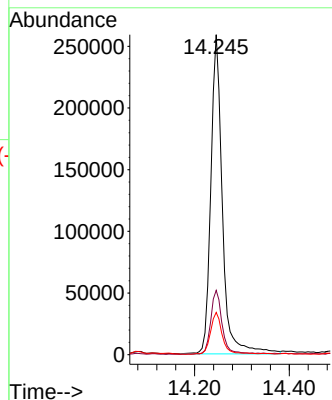
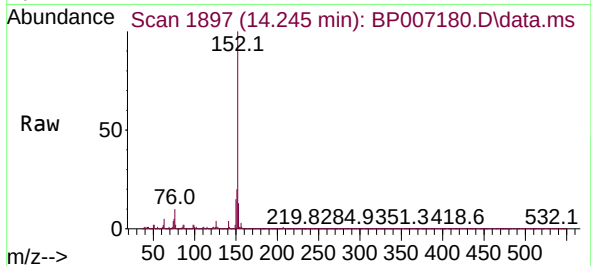




#49
Acenaphthylene
Concen: 6.926 ng
RT: 14.245 min Scan# 1897
Delta R.T. -0.000 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

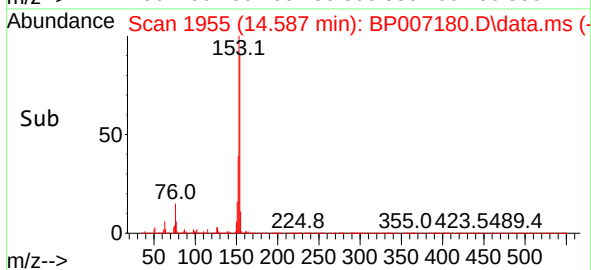
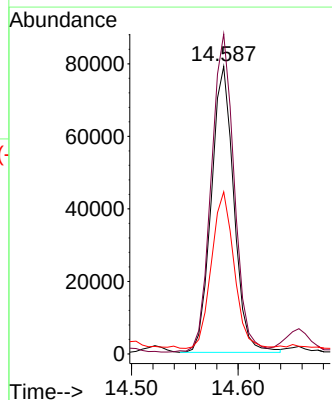
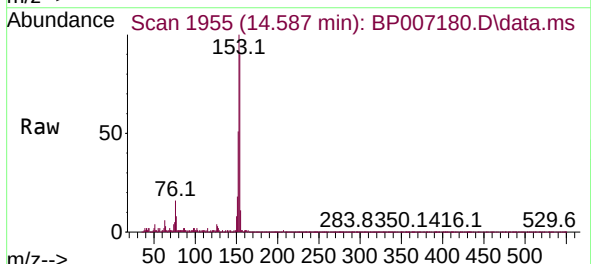
Instrument :
BNA_P
ClientSampleId :

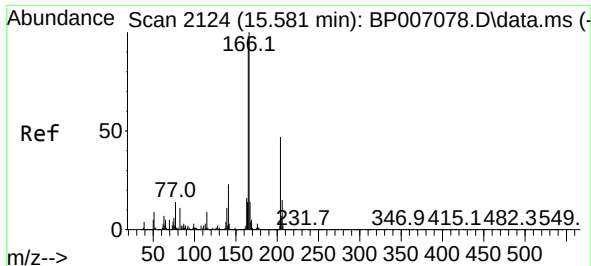
Tgt Ion:152 Resp: 439123
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.2 10.6 16.0



#52
Acenaphthene
Concen: 3.011 ng
RT: 14.587 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

Tgt Ion:154 Resp: 115637
Ion Ratio Lower Upper
154 100
153 111.3 89.4 134.2
152 56.3 43.0 64.4

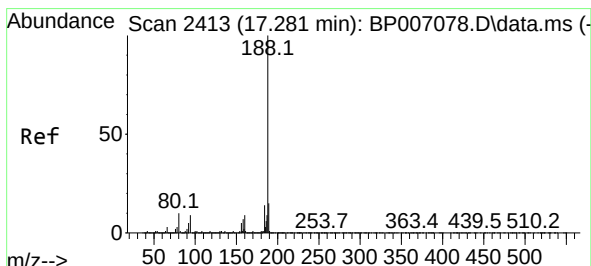
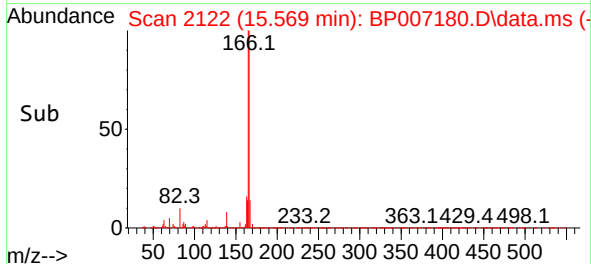
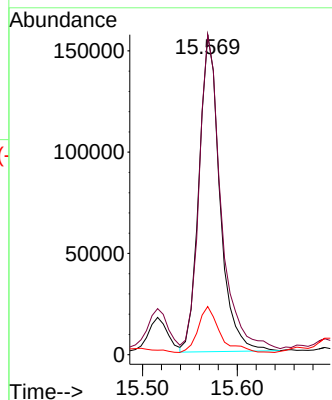
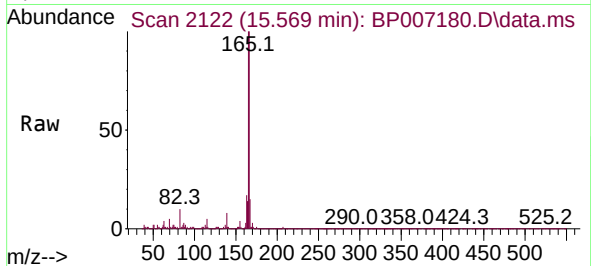




#58
Fluorene
Concen: 4.827 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

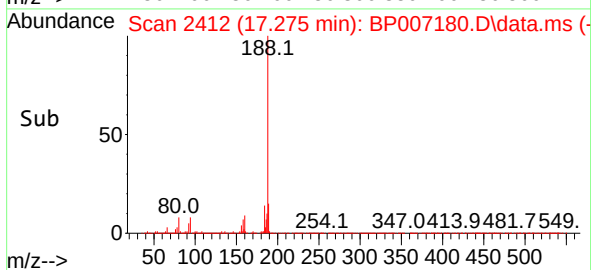
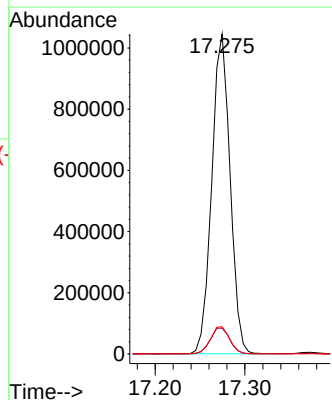
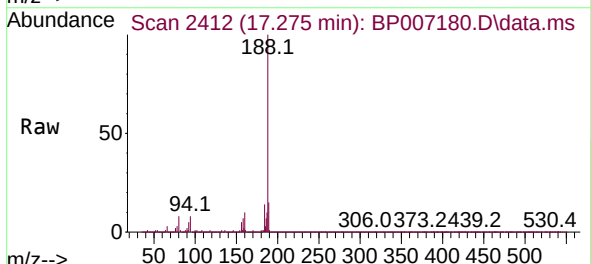
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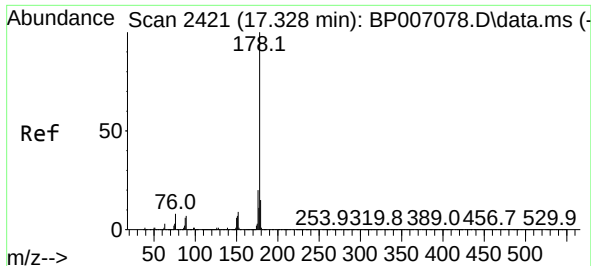
Tgt Ion:166 Resp: 238992
Ion Ratio Lower Upper
166 100
165 100.1 78.0 117.0
167 15.1 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

Tgt Ion:188 Resp: 1481601
Ion Ratio Lower Upper
188 100
94 8.0 5.6 8.4
80 8.5 6.3 9.5

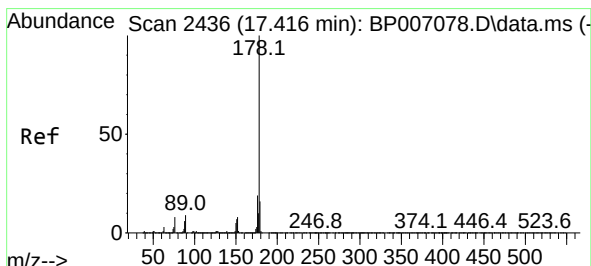
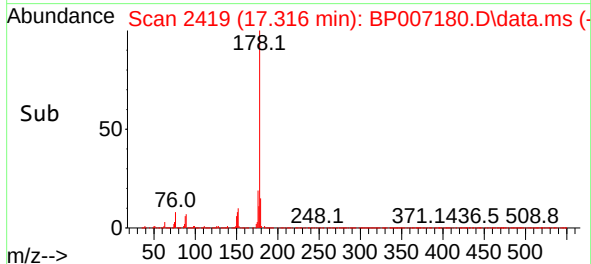
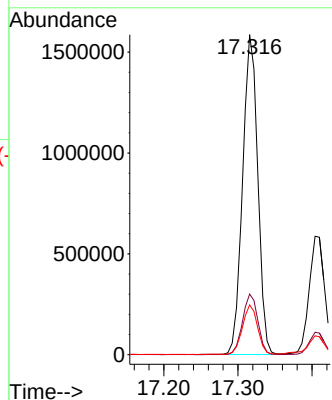
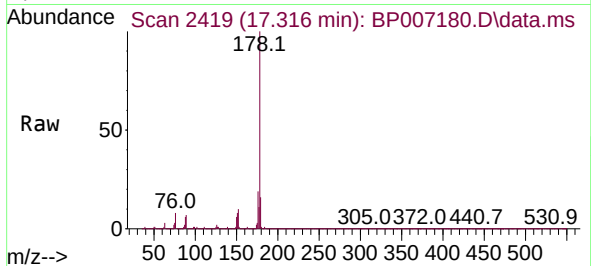




#71
Phenanthrene
Concen: 28.339 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

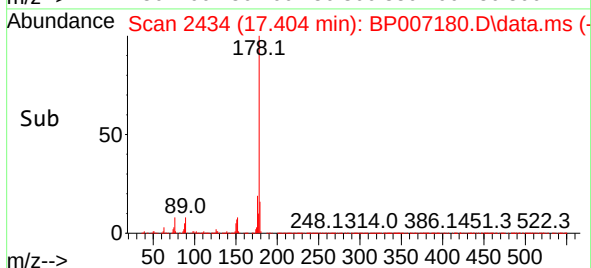
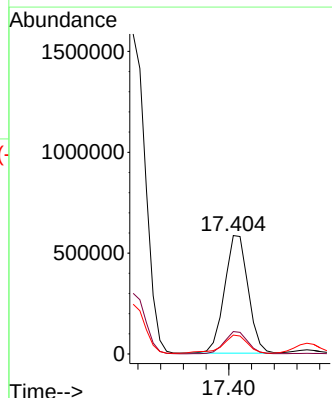
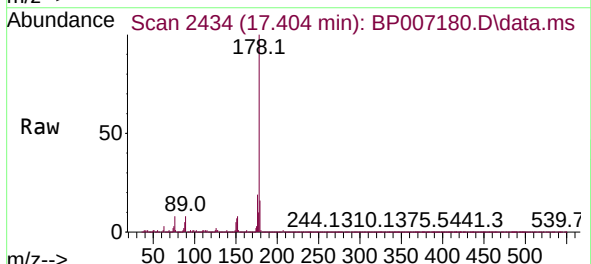
Instrument :
BNA_P
ClientSampleId :

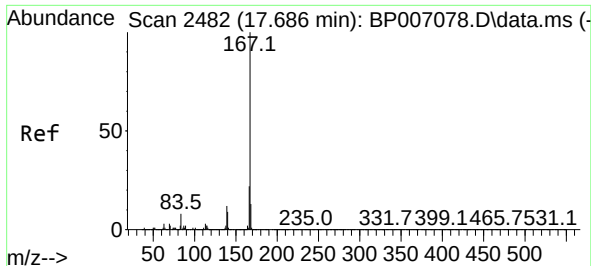
Tgt Ion:178 Resp: 2251332
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.5 12.4 18.6



#72
Anthracene
Concen: 10.816 ng
RT: 17.404 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

Tgt Ion:178 Resp: 840534
Ion Ratio Lower Upper
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176 18.9 14.9 22.3
179 16.0 12.2 18.2

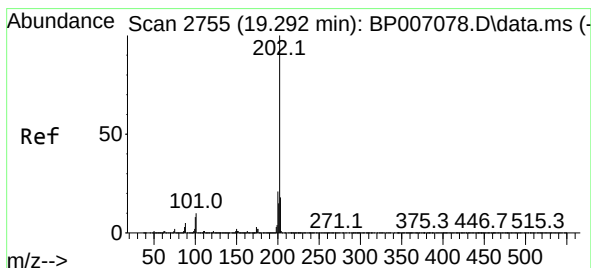
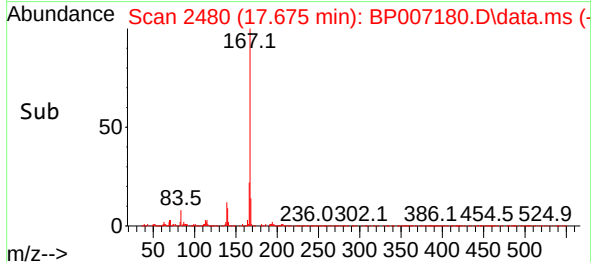
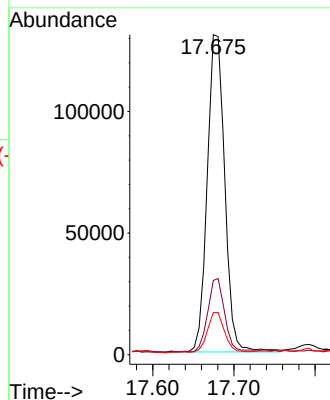
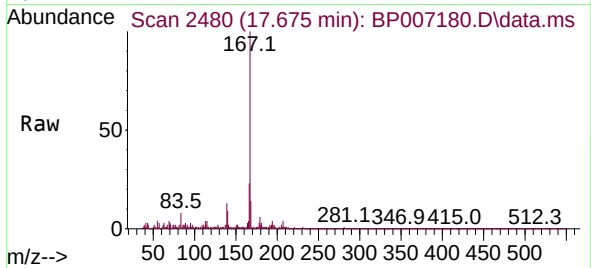




#73
 Carbazole
 Concen: 2.567 ng
 RT: 17.675 min Scan# 2480
 Delta R.T. -0.006 min
 Lab File: BP007180.D
 Acq: 25 Sep 2021 03:18

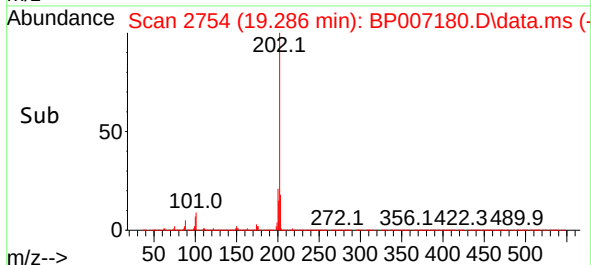
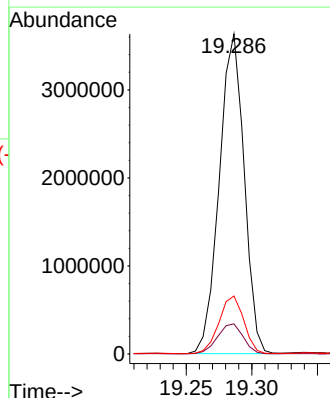
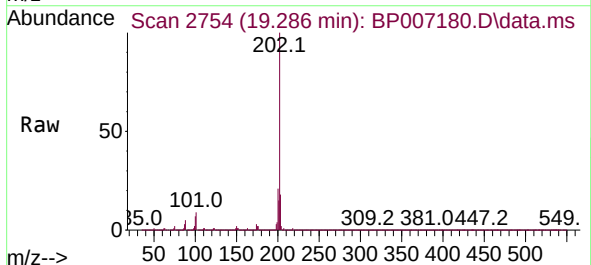
Instrument :
 BNA_P
 ClientSampled :

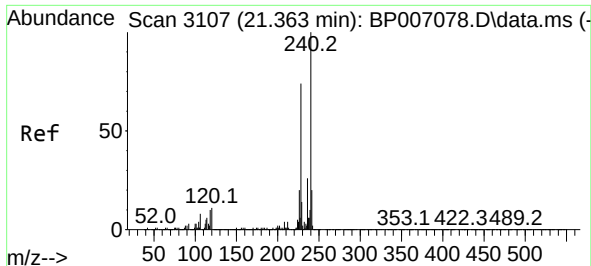
Tgt Ion:167	Resp: 195512
Ion Ratio	Lower Upper
167	100
166	23.2 17.1 25.7
139	13.2 10.7 16.1



#75
 Fluoranthene
 Concen: 52.362 ng
 RT: 19.286 min Scan# 2754
 Delta R.T. 0.006 min
 Lab File: BP007180.D
 Acq: 25 Sep 2021 03:18

Tgt Ion:202	Resp: 4792518
Ion Ratio	Lower Upper
202	100
101	9.4 0.0 27.6
203	18.1 0.0 37.8

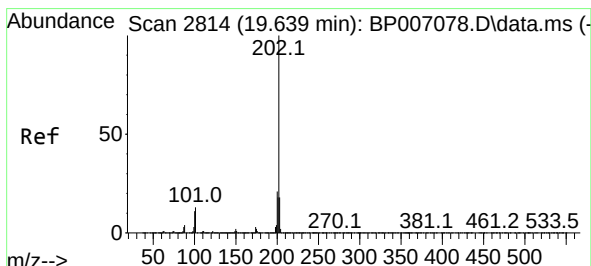
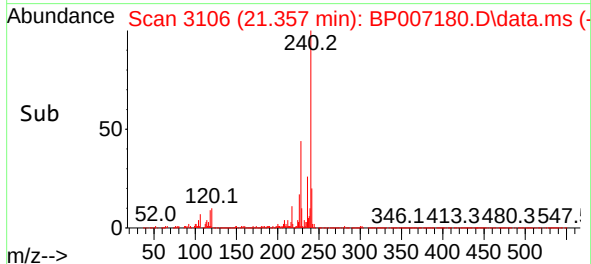
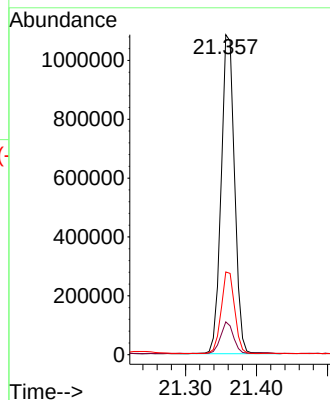
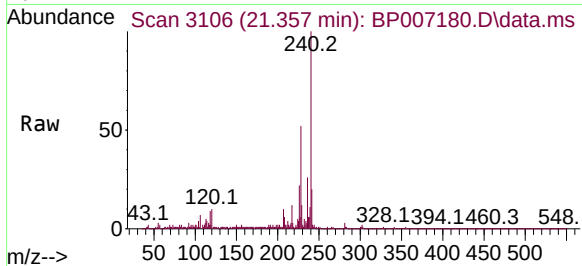




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.357 min Scan# 3106
Delta R.T. -0.000 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

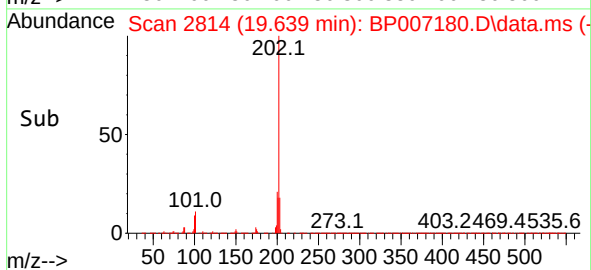
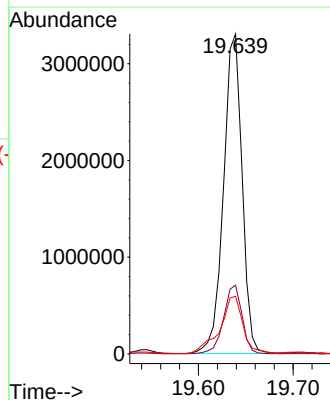
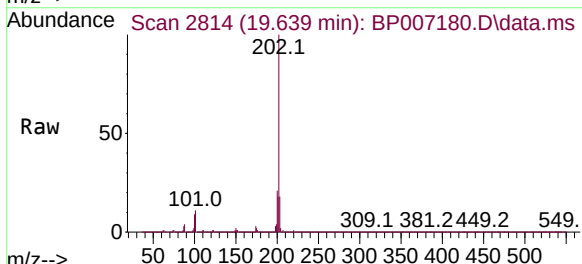
Instrument :
BNA_P
ClientSampleId :

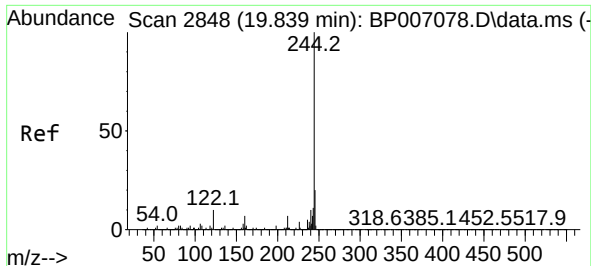
Tgt Ion:240 Resp: 1412545
Ion Ratio Lower Upper
240 100
120 10.3 6.5 9.7#
236 25.8 20.6 31.0



#78
Pyrene
Concen: 48.626 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

Tgt Ion:202 Resp: 4506410
Ion Ratio Lower Upper
202 100
200 21.5 16.3 24.5
203 18.0 14.2 21.2

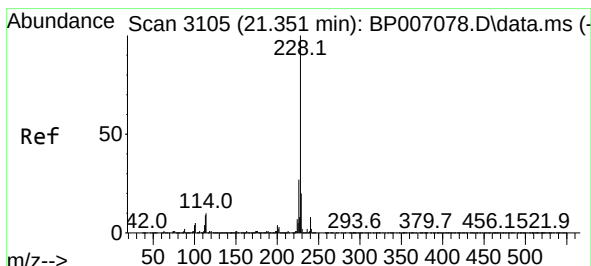
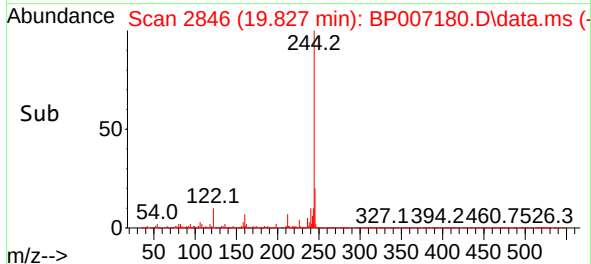
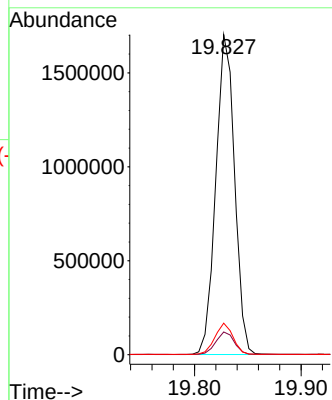
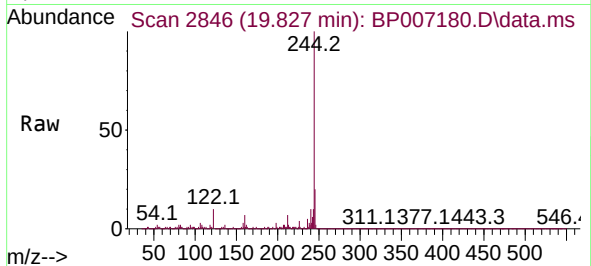




#79
 Terphenyl-d14
 Concen: 28.191 ng
 RT: 19.827 min Scan# 2846
 Delta R.T. -0.006 min
 Lab File: BP007180.D
 Acq: 25 Sep 2021 03:18

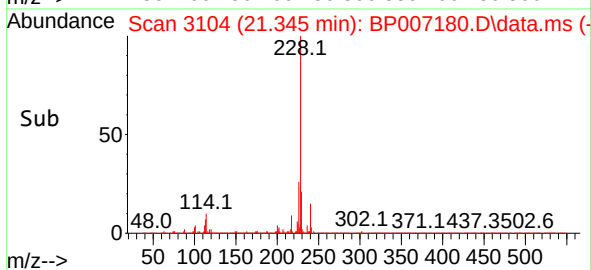
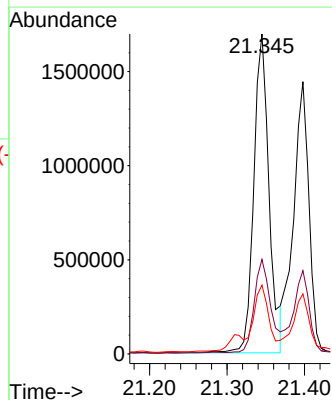
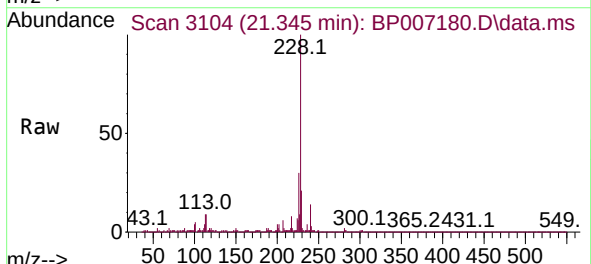
Instrument :
 BNA_P
 ClientSampled :

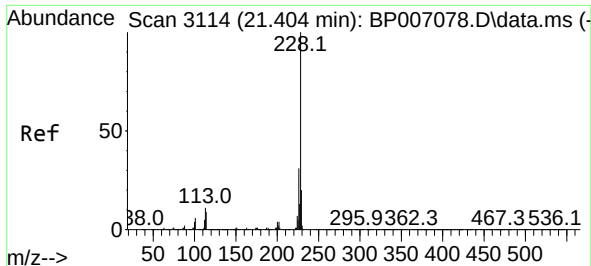
Tgt Ion:244 Resp: 2078087
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.8 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 25.237 ng
 RT: 21.345 min Scan# 3104
 Delta R.T. -0.000 min
 Lab File: BP007180.D
 Acq: 25 Sep 2021 03:18

Tgt Ion:228 Resp: 2313944
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.6 32.4
 229 21.5 15.8 23.6

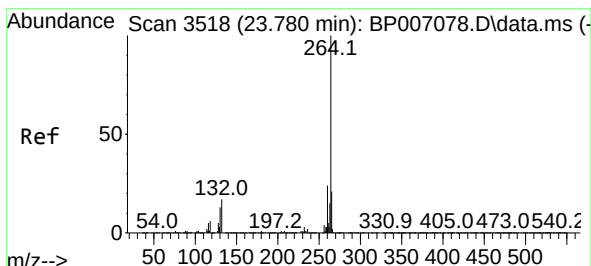
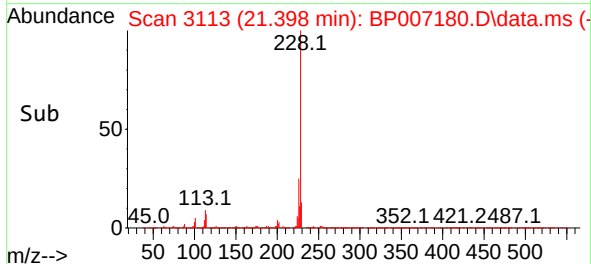
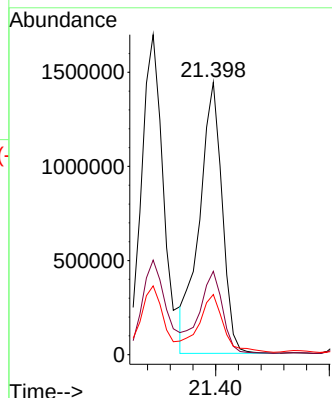
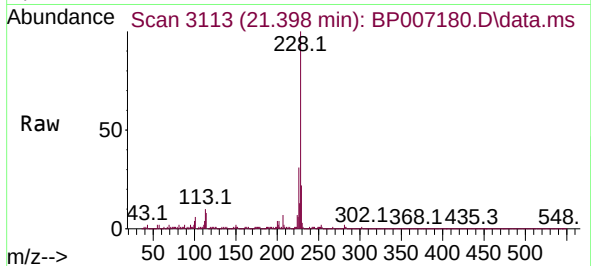




#83
Chrysene
Concen: 22.880 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

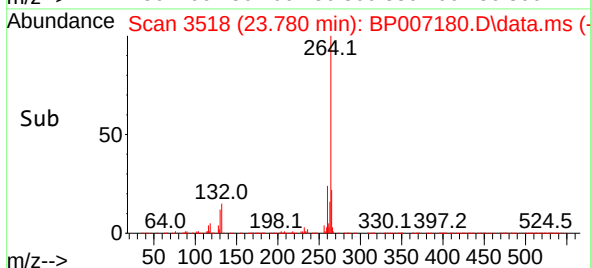
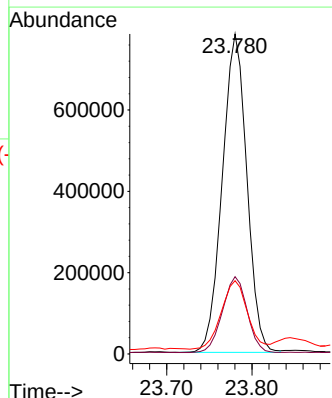
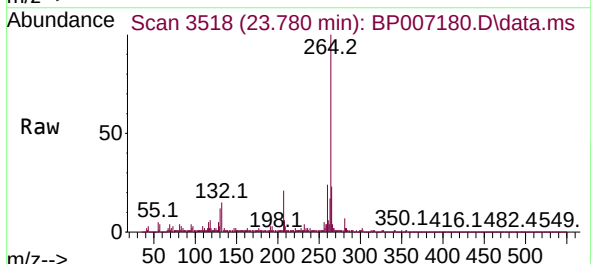
Instrument :
BNA_P
ClientSampleId :

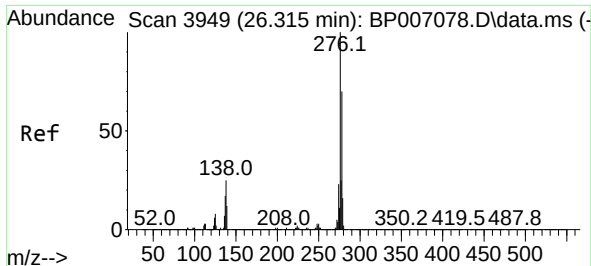
Tgt Ion:228 Resp: 2004930
Ion Ratio Lower Upper
228 100
226 30.6 23.8 35.6
229 22.1 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.780 min Scan# 3518
Delta R.T. 0.012 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

Tgt Ion:264 Resp: 1565864
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 22.9 17.6 26.4

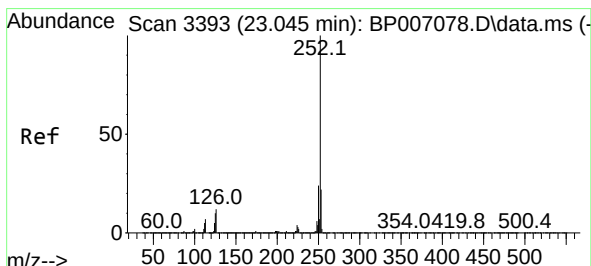
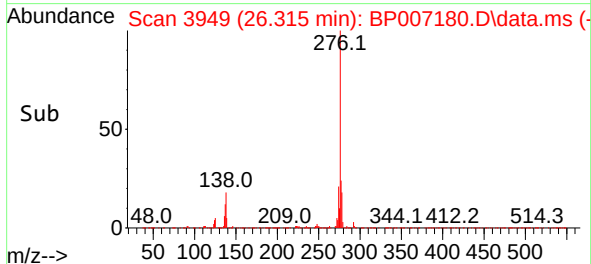
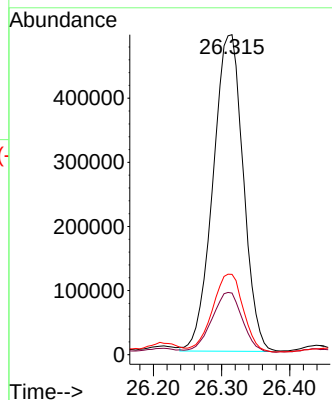
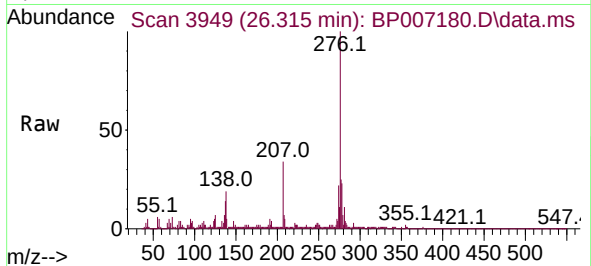




#87
Indeno(1,2,3-cd)pyrene
Concen: 13.538 ng
RT: 26.315 min Scan# 3949
Delta R.T. 0.012 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

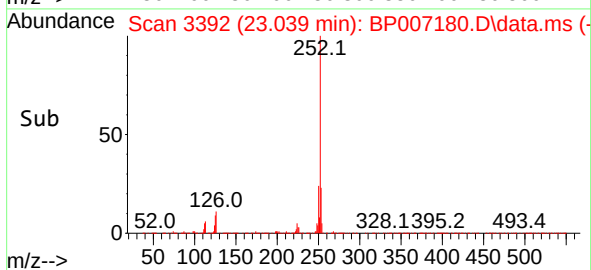
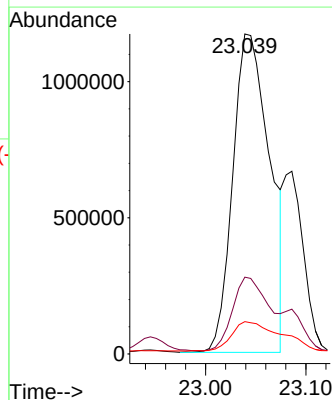
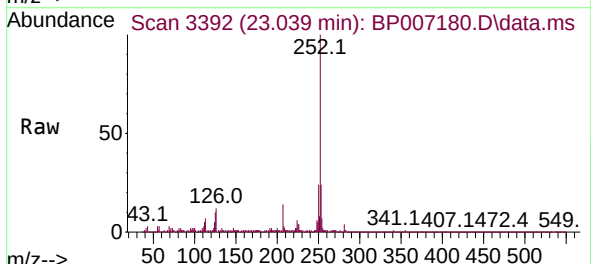
Instrument :
BNA_P
ClientSampleId :

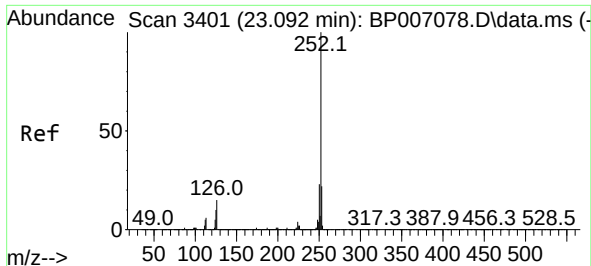
Tgt Ion:276 Resp: 1523412
Ion Ratio Lower Upper
276 100
138 19.1 15.3 22.9
277 25.1 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 32.044 ng
RT: 23.039 min Scan# 3392
Delta R.T. 0.006 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

Tgt Ion:252 Resp: 2998640
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 10.1 6.2 9.4#

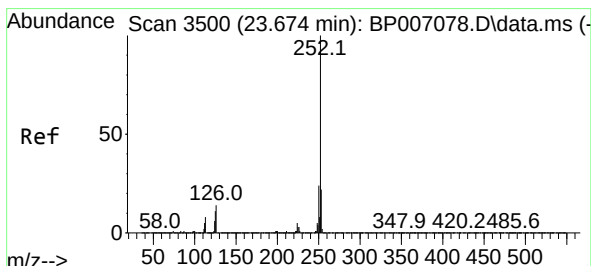
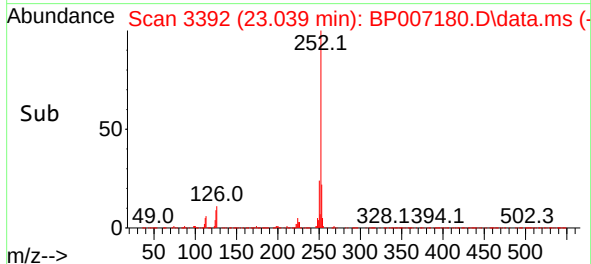
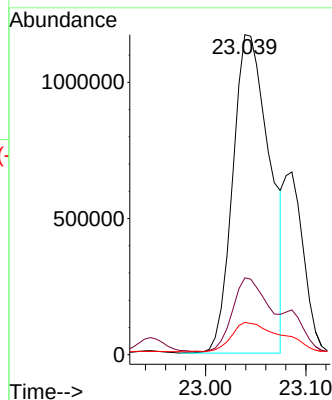
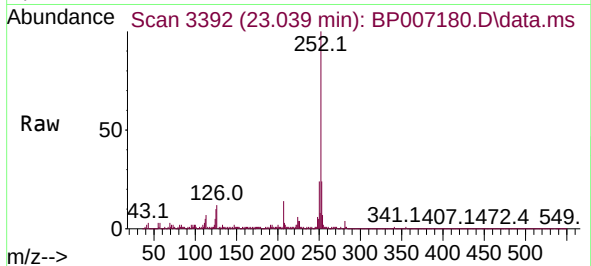




#89
Benzo(k)fluoranthene
Concen: 31.649 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.047 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

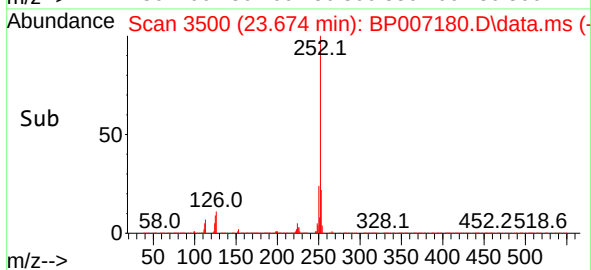
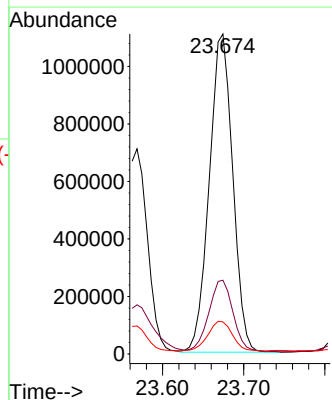
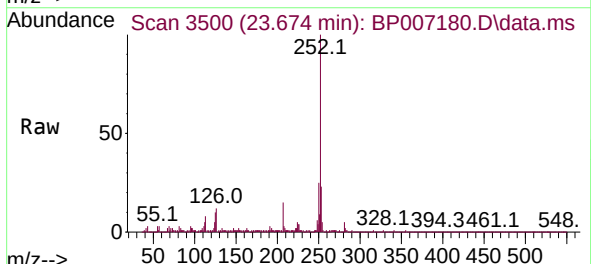
Instrument :
BNA_P
ClientSampleId :

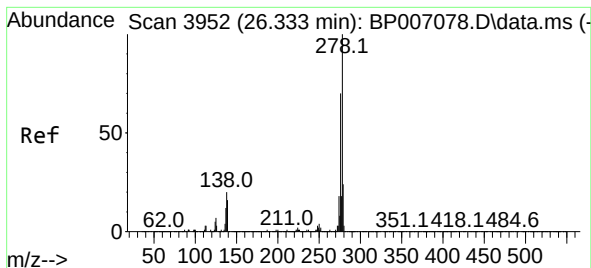
Tgt Ion:252 Resp: 2998640
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 10.1 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 27.958 ng
RT: 23.674 min Scan# 3500
Delta R.T. 0.006 min
Lab File: BP007180.D
Acq: 25 Sep 2021 03:18

Tgt Ion:252 Resp: 2222742
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 10.0 6.5 9.7#





#91

Dibenzo(a,h)anthracene

Concen: 4.176 ng

RT: 26.321 min Scan# 3950

Delta R.T. 0.006 min

Lab File: BP007180.D

Acq: 25 Sep 2021 03:18

Instrument :

BNA_P

ClientSampled :

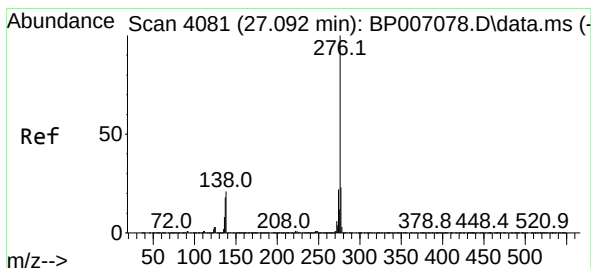
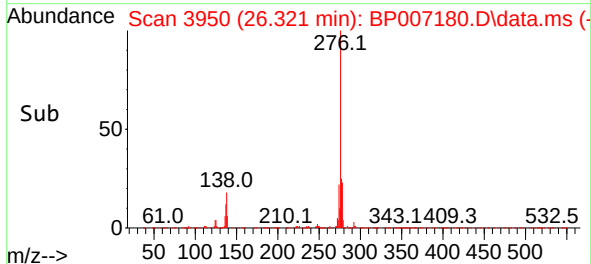
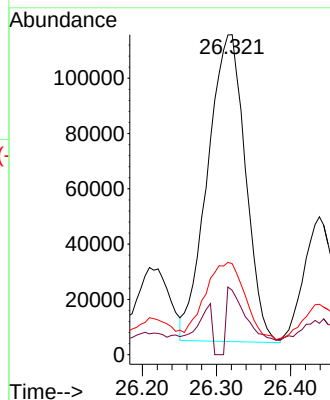
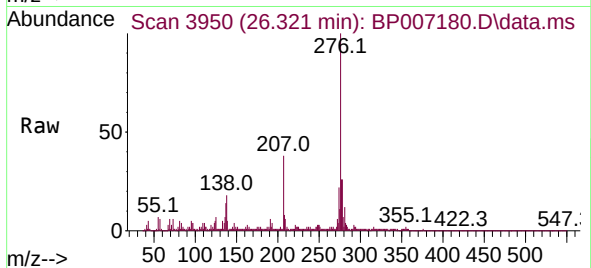
Tgt Ion:278 Resp: 393844

Ion Ratio Lower Upper

278 100

139 20.1 9.3 13.9#

279 28.4 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 16.139 ng

RT: 27.092 min Scan# 4081

Delta R.T. 0.018 min

Lab File: BP007180.D

Acq: 25 Sep 2021 03:18

Tgt Ion:276 Resp: 1485310

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 19.8 12.6 18.8#

