

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
 Data File : BP009520.D
 Acq On : 23 Mar 2022 23:07
 Operator : CG/JU
 Sample : N2071-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

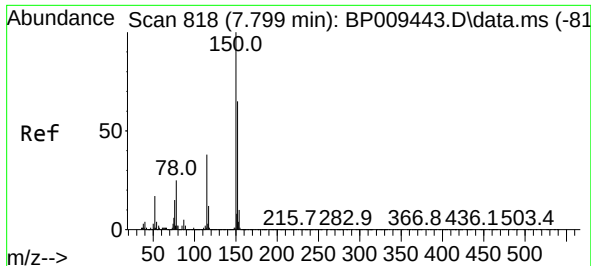
Instrument :
 BNA_P
 ClientSampleId :
 UNDER-PILE

Quant Time: Mar 24 01:23:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 01:19:11 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	552395	20.000	ng	0.00
21) Naphthalene-d8	10.581	136	2294966	20.000	ng	0.00
39) Acenaphthene-d10	14.434	164	1432420	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	2618616	20.000	ng	0.00
76) Chrysene-d12	21.310	240	1791947	20.000	ng	0.00
86) Perylene-d12	23.715	264	1994485	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	684151	21.624	ng	0.00
7) Phenol-d6	6.975	99	896061	20.942	ng	0.00
23) Nitrobenzene-d5	8.946	82	571008	13.222	ng	0.00
42) 2,4,6-Tribromophenol	15.934	330	357812	15.138	ng	0.00
45) 2-Fluorobiphenyl	13.051	172	1372211	13.280	ng	0.00
79) Terphenyl-d14	19.775	244	1380904	13.832	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.952	77	1797	Below Cal	#	69
31) Naphthalene	10.628	128	595857	5.041	ng	99
37) 2-Methylnaphthalene	12.251	142	195830	2.361	ng	99
41) Hexachlorocyclopentadiene	12.451	237	13	7.289	ng	74
52) Acenaphthene	14.498	154	386783	4.985	ng	99
54) 2,4-Dinitrophenol	14.545	184	35	4.535	ng	# 1
55) Dibenzofuran	14.834	168	376370	2.888	ng	98
56) 4-Nitrophenol	14.834	139	136880	7.645	ng	# 10
58) Fluorene	15.486	166	450840	4.398	ng	98
71) Phenanthrene	17.239	178	5316408	37.927	ng	100
72) Anthracene	17.333	178	1248633	9.022	ng	99
73) Carbazole	17.604	167	491279	3.630	ng	99
75) Fluoranthene	19.222	202	5408507	31.870	ng	99
78) Pyrene	19.575	202	5022631	42.535	ng	99
81) Benzo(a)anthracene	21.298	228	2360868	20.053	ng	97
83) Chrysene	21.345	228	2179069	19.547	ng	98
87) Indeno(1,2,3-cd)pyrene	26.215	276	1445522	9.553	ng	# 93
88) Benzo(b)fluoranthene	22.986	252	3729494	31.323	ng	99
89) Benzo(k)fluoranthene	22.986	252	3731559	32.009	ng	98
90) Benzo(a)pyrene	23.610	252	2160549	21.209	ng	97
92) Benzo(g,h,i)perylene	26.986	276	1465407	11.812	ng	97

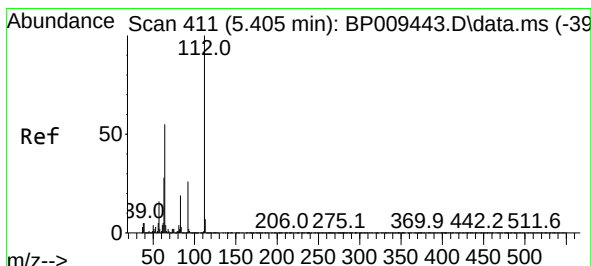
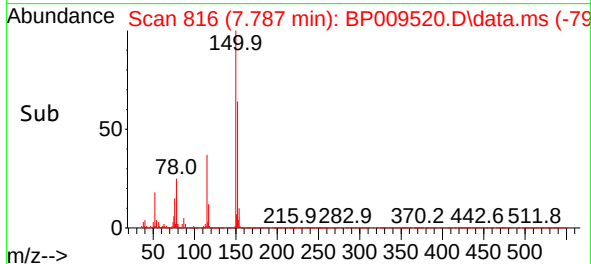
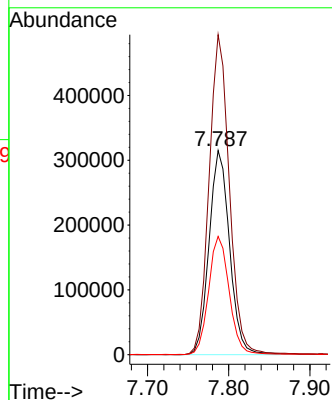
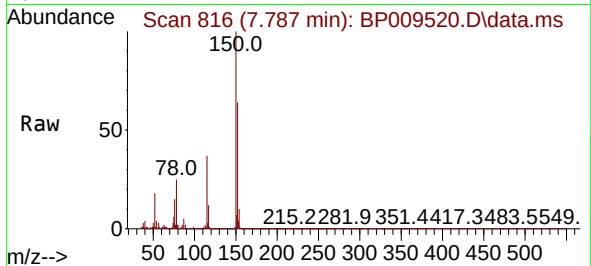
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

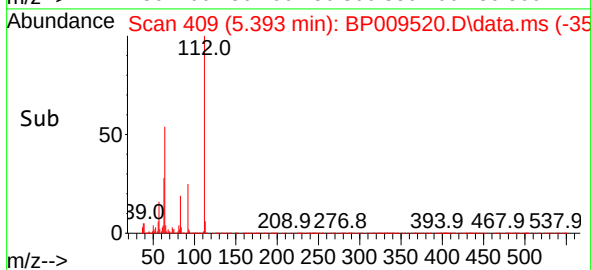
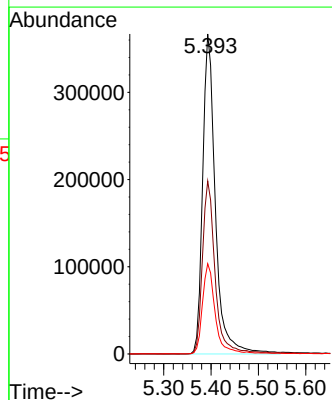
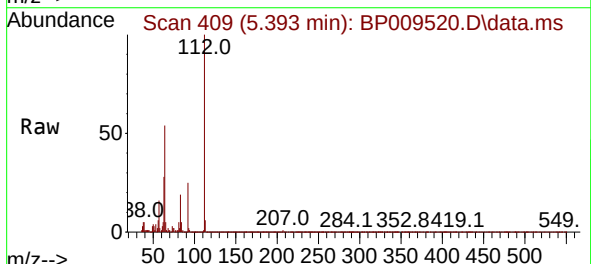
Instrument :
BNA_P
ClientSampleId :
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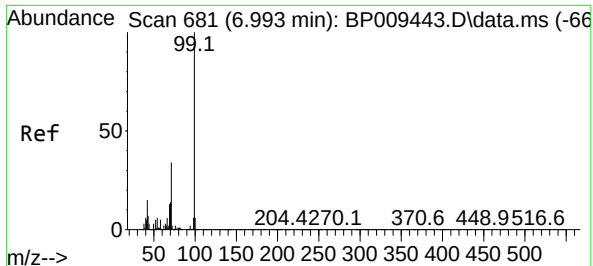
Tgt Ion:152 Resp: 552395
Ion Ratio Lower Upper
152 100
150 156.7 124.5 186.7
115 57.9 48.2 72.4



#5
2-Fluorophenol
Concen: 21.624 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

Tgt Ion:112 Resp: 684151
Ion Ratio Lower Upper
112 100
64 54.1 45.0 67.4
63 28.2 23.0 34.6

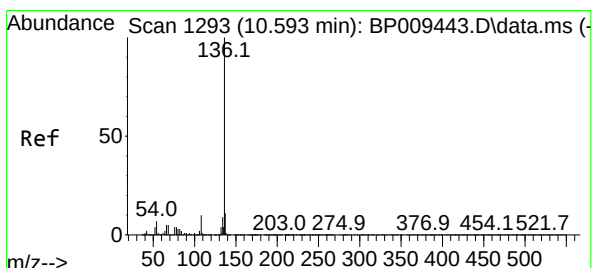
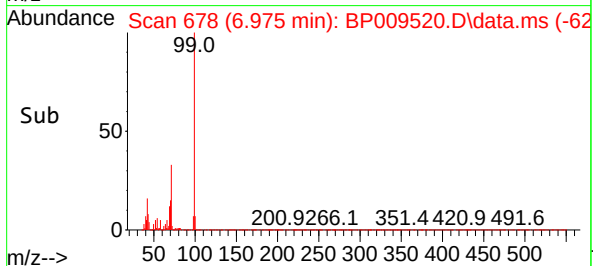
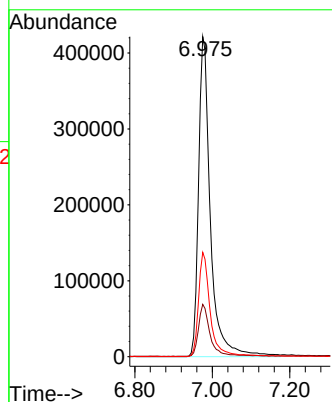
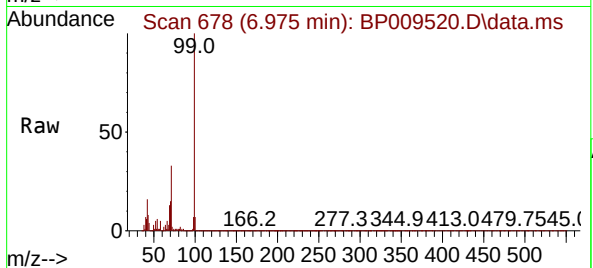




#7
Phenol-d6
Concen: 20.942 ng
RT: 6.975 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

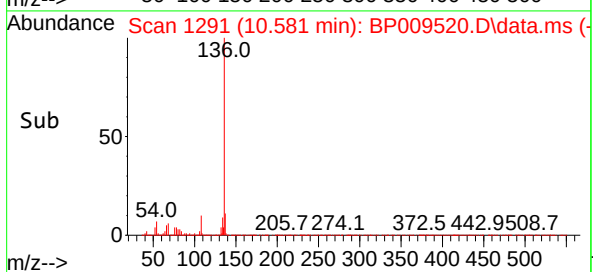
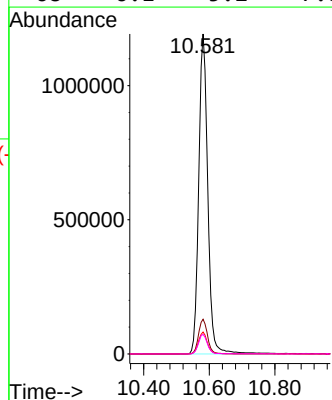
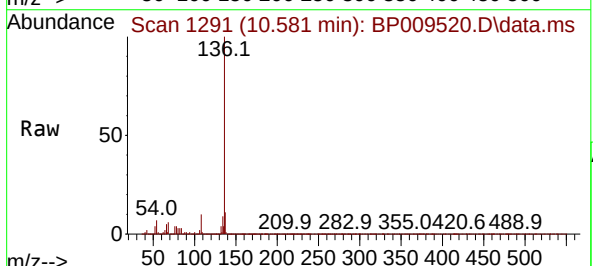
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ClientSampleId :
UNDER-PILE

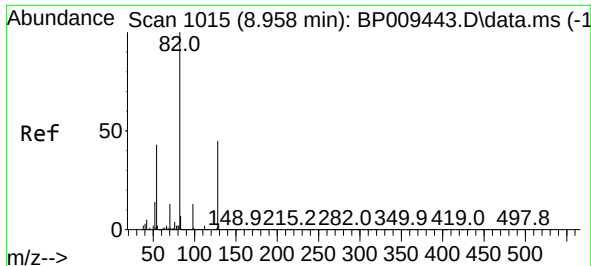
Tgt Ion: 99 Resp: 896061
Ion Ratio Lower Upper
99 100
42 16.3 12.8 19.2
71 32.6 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

Tgt Ion: 136 Resp: 2294966
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.9 5.8 8.8
68 6.1 5.2 7.8

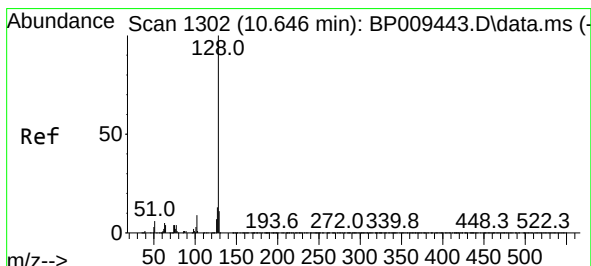
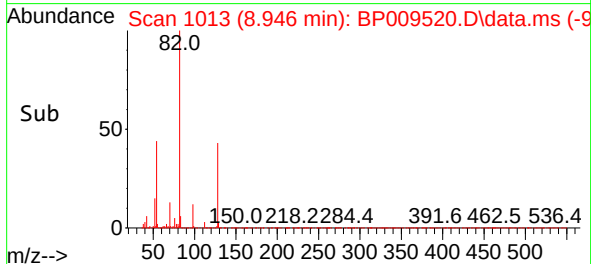
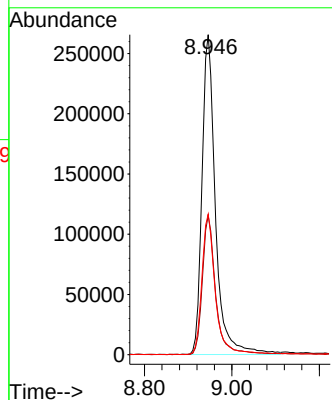
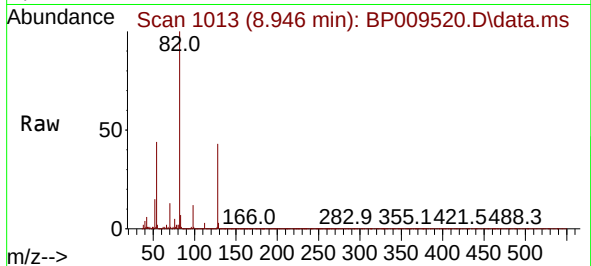




#23
Nitrobenzene-d5
Concen: 13.222 ng
RT: 8.946 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

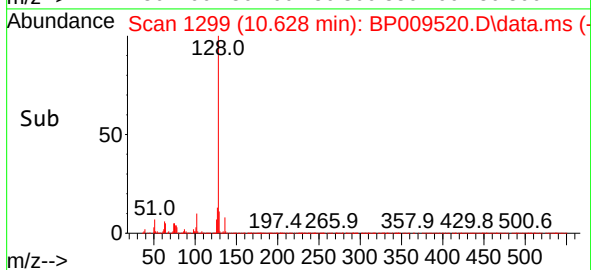
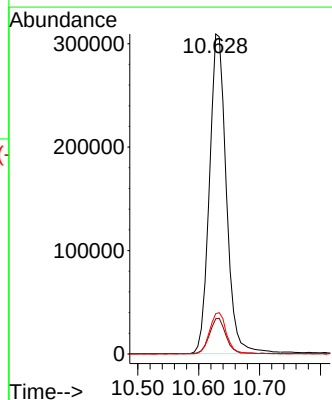
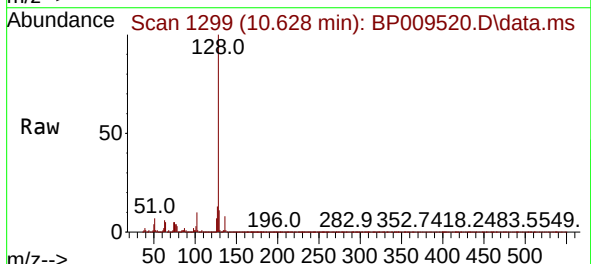
Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

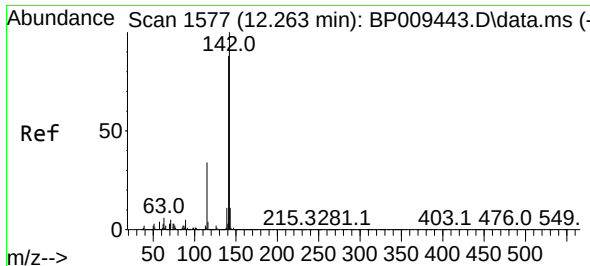
Tgt Ion: 82 Resp: 571008
Ion Ratio Lower Upper
82 100
128 43.5 34.2 51.4
54 43.9 34.7 52.1



#31
Naphthalene
Concen: 5.041 ng
RT: 10.628 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

Tgt Ion: 128 Resp: 595857
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.6 10.5 15.7

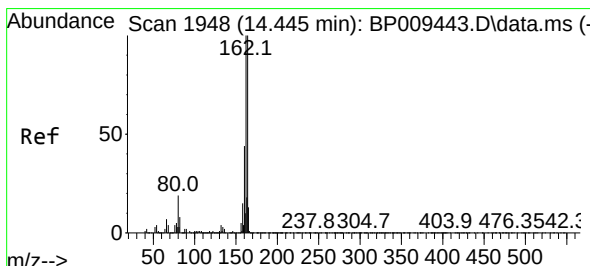
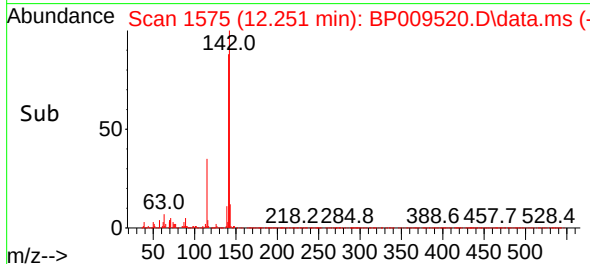
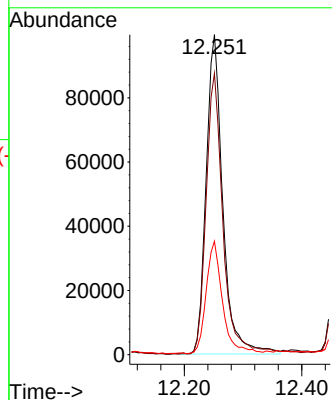
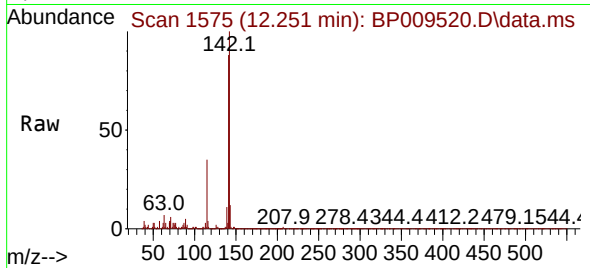




#37
2-Methylnaphthalene
Concen: 2.361 ng
RT: 12.251 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

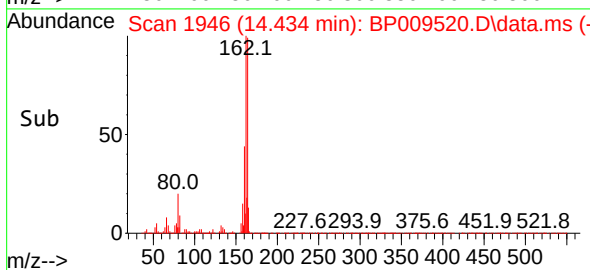
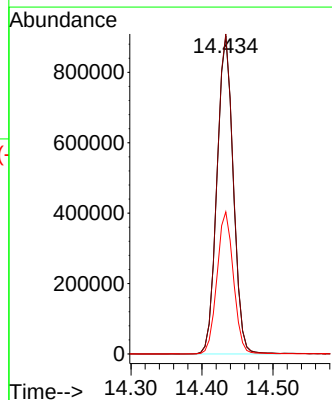
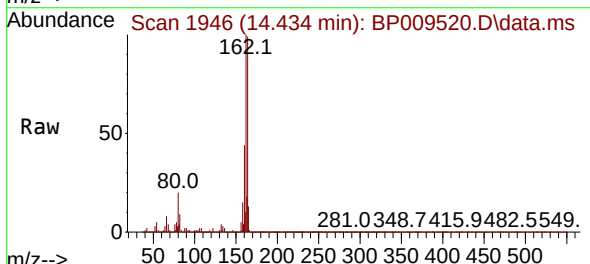
Instrument :
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ClientSampleId :
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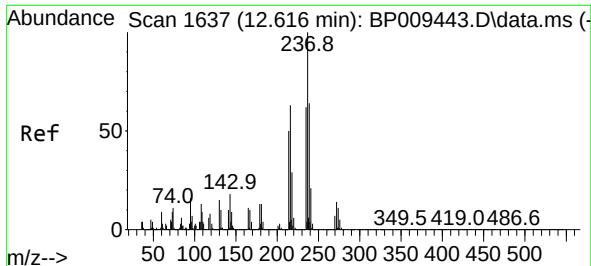
Tgt Ion:142 Resp: 195830
Ion Ratio Lower Upper
142 100
141 88.0 70.2 105.4
115 35.5 27.4 41.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

Tgt Ion:164 Resp: 1432420
Ion Ratio Lower Upper
164 100
162 100.6 79.1 118.7
160 44.7 34.9 52.3

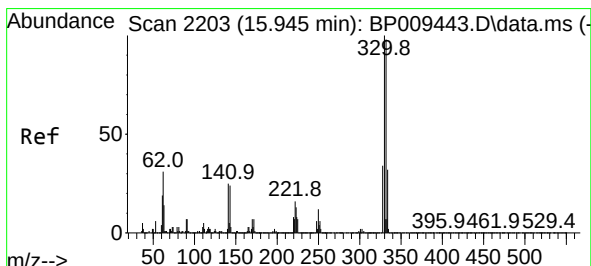
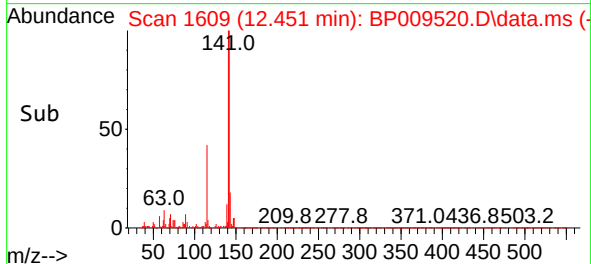
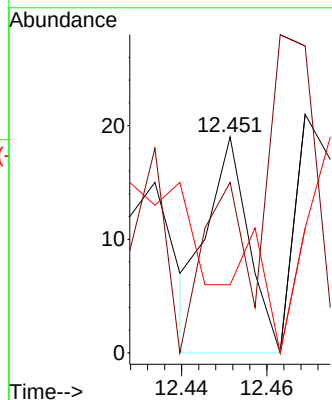
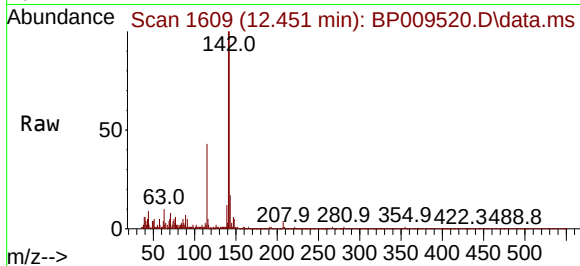




#41
Hexachlorocyclopentadiene
Concen: 7.289 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.153 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

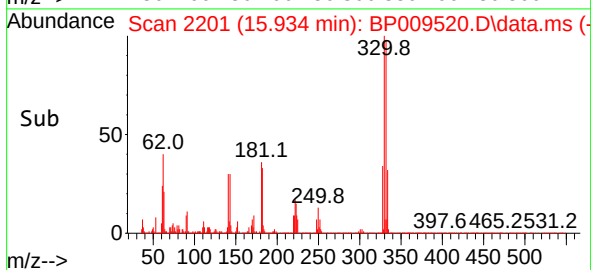
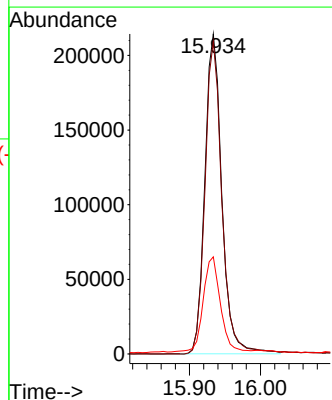
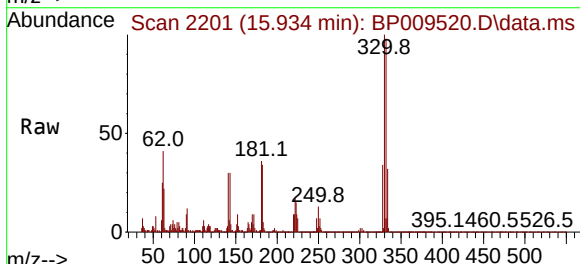
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ClientSampleId :
UNDER-PILE

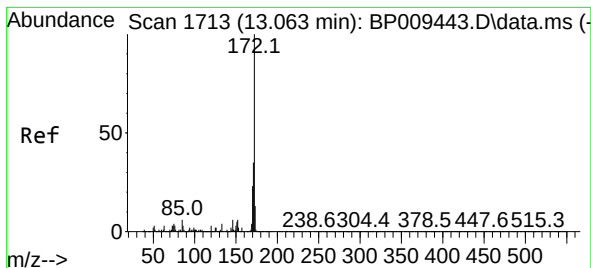
Tgt Ion:237	Resp:	13
Ion	Ratio	Lower Upper
237	100	
235	78.9	42.6 82.6
272	31.6	0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 15.138 ng
RT: 15.934 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

Tgt Ion:330	Resp:	357812
Ion	Ratio	Lower Upper
330	100	
332	98.0	77.0 115.6
141	29.9	27.6 41.4





#45

2-Fluorobiphenyl

Concen: 13.280 ng

RT: 13.051 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP009520.D

Acq: 23 Mar 2022 23:07

Instrument :

BNA_P

ClientSampleId :

UNDER-PILE

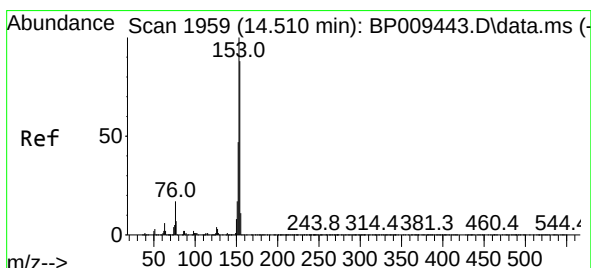
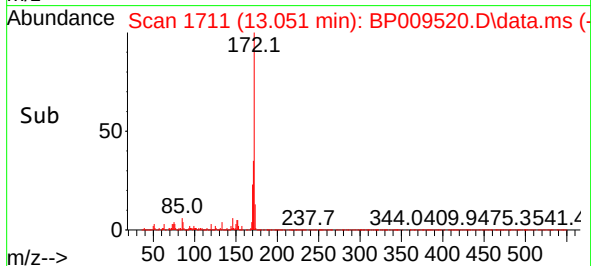
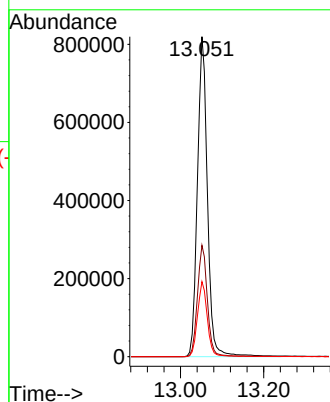
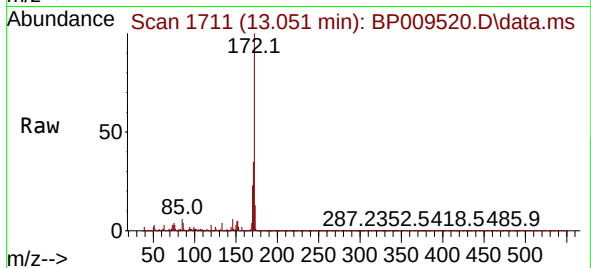
Tgt Ion:172 Resp: 1372211

Ion Ratio Lower Upper

172 100

171 34.8 28.0 42.0

170 23.5 18.6 27.8



#52

Acenaphthene

Concen: 4.985 ng

RT: 14.498 min Scan# 1957

Delta R.T. 0.000 min

Lab File: BP009520.D

Acq: 23 Mar 2022 23:07

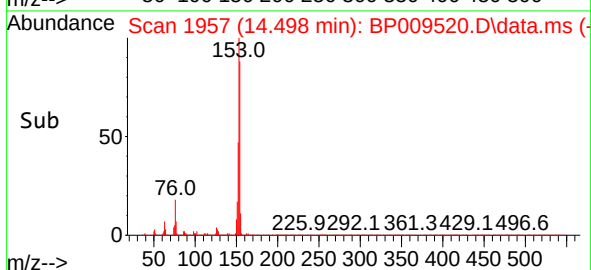
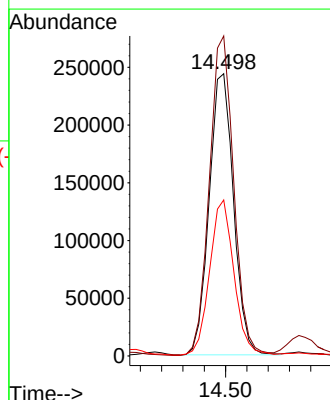
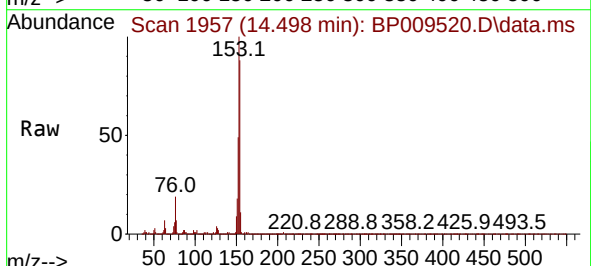
Tgt Ion:154 Resp: 386783

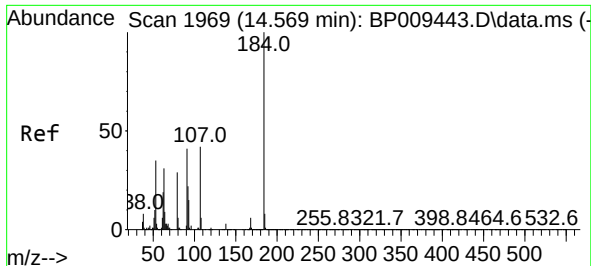
Ion Ratio Lower Upper

154 100

153 113.4 90.2 135.4

152 55.3 42.7 64.1

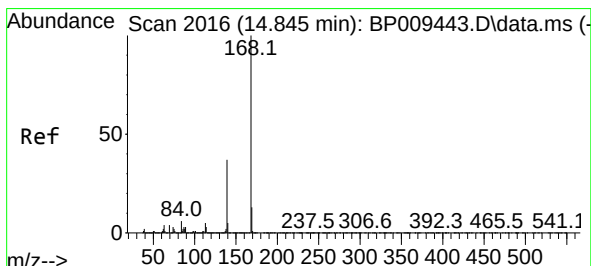
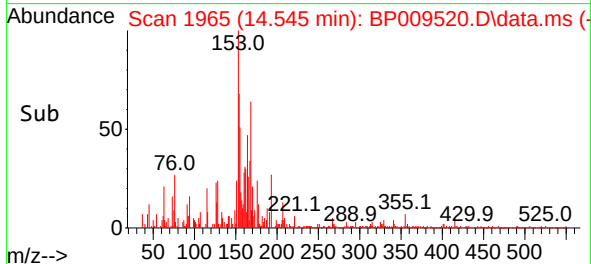
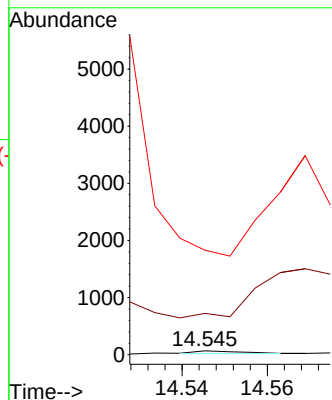
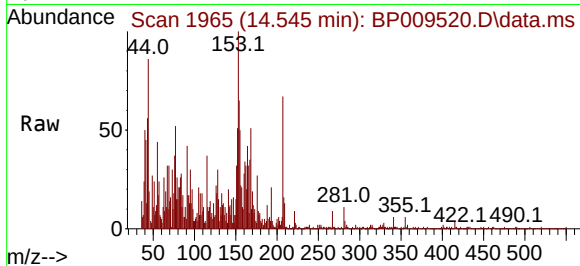




#54
2,4-Dinitrophenol
Concen: 4.535 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.018 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

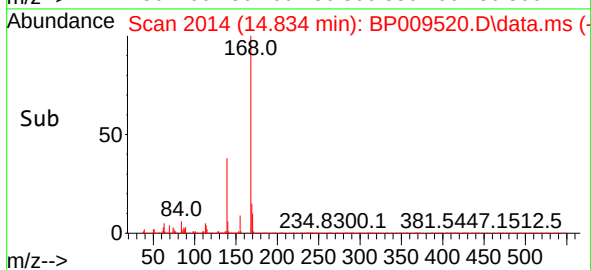
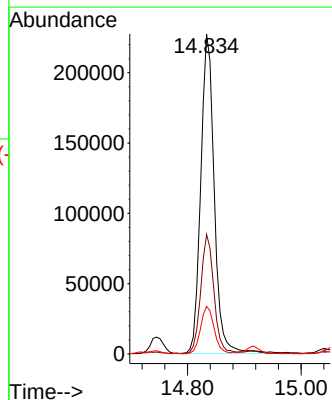
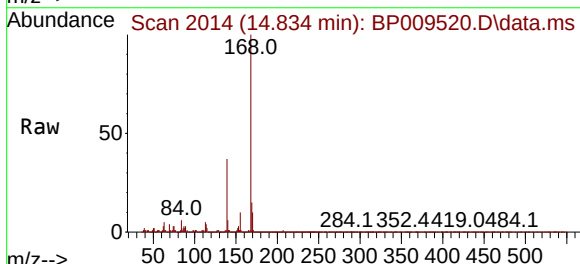
Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

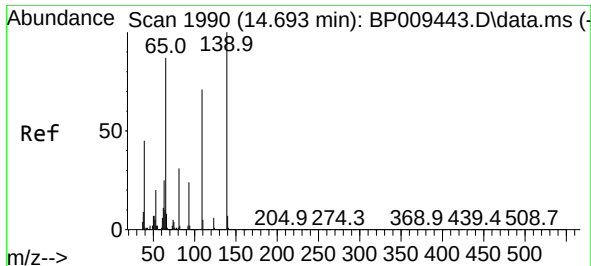
Tgt Ion:184 Resp: 35
Ion Ratio Lower Upper
184 100
63 1476.1 46.3 69.5#
154 2729.9 45.8 68.6#



#55
Dibenzofuran
Concen: 2.888 ng
RT: 14.834 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

Tgt Ion:168 Resp: 376370
Ion Ratio Lower Upper
168 100
139 37.4 29.1 43.7
169 14.8 10.6 16.0

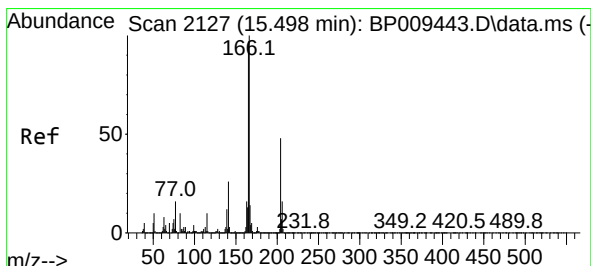
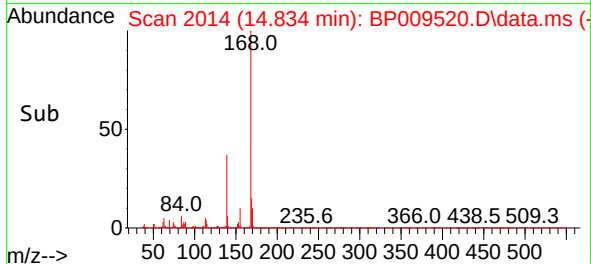
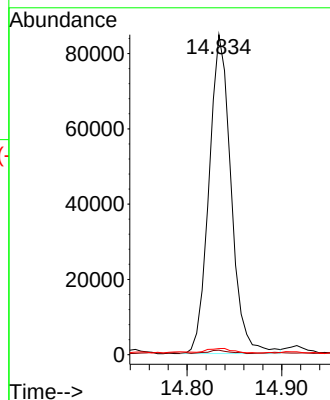
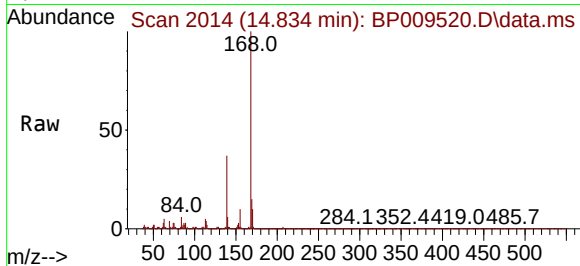




#56
4-Nitrophenol
Concen: 7.645 ng
RT: 14.834 min Scan# 2014
Delta R.T. 0.153 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

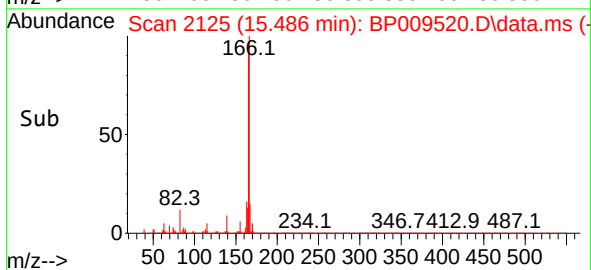
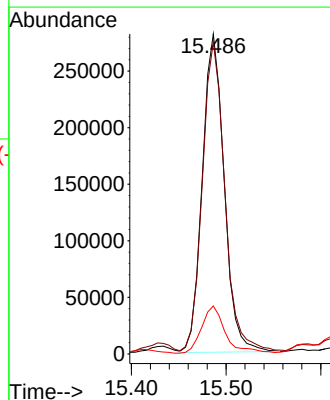
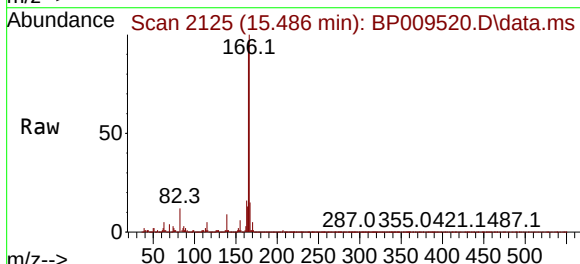
Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

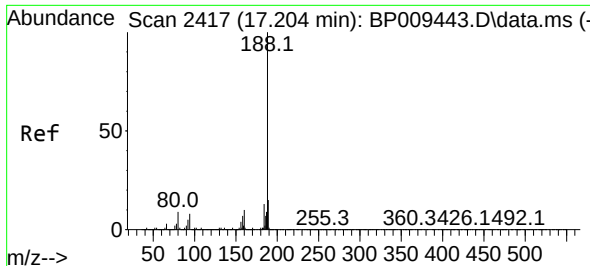
Tgt Ion:139 Resp: 136880
Ion Ratio Lower Upper
139 100
109 1.4 51.2 91.2#
65 1.9 73.2 113.2#



#58
Fluorene
Concen: 4.398 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

Tgt Ion:166 Resp: 450840
Ion Ratio Lower Upper
166 100
165 97.5 79.2 118.8
167 15.0 10.7 16.1

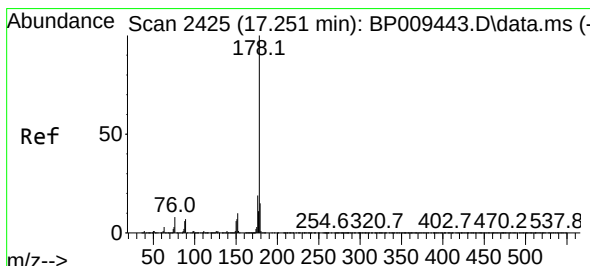
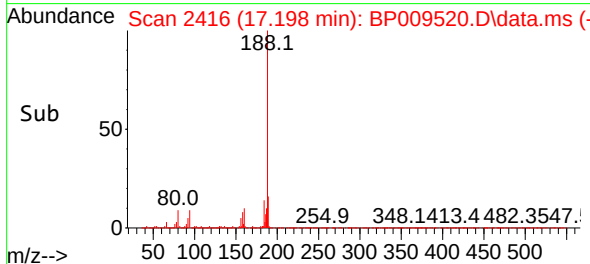
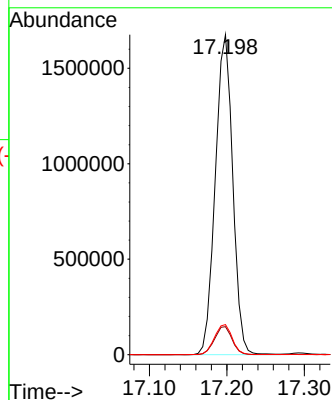
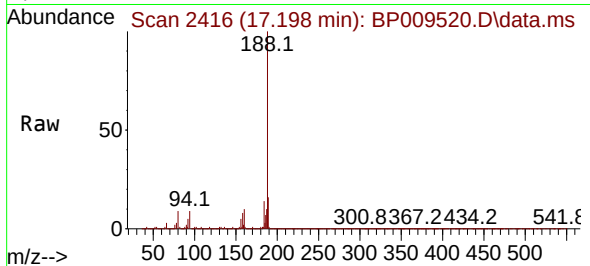




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

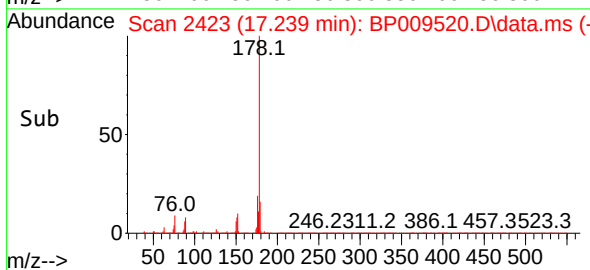
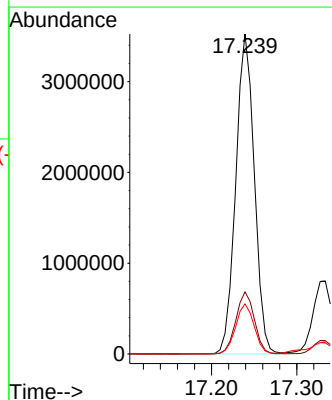
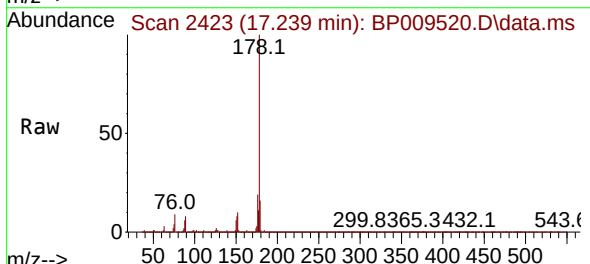
Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

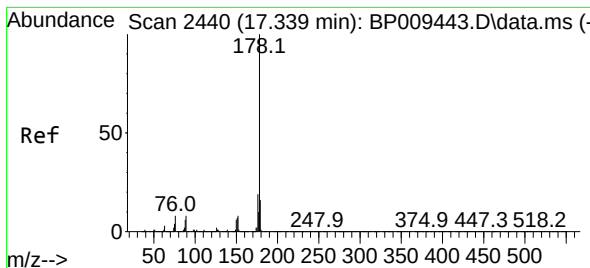
Tgt Ion:188 Resp: 2618616
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.4 8.8 13.2



#71
Phenanthrene
Concen: 37.927 ng
RT: 17.239 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

Tgt Ion:178 Resp: 5316408
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.7 12.3 18.5





#72

Anthracene

Concen: 9.022 ng

RT: 17.333 min Scan# 2440

Delta R.T. 0.000 min

Lab File: BP009520.D

Acq: 23 Mar 2022 23:07

Instrument :

BNA_P

ClientSampleId :

UNDER-PILE

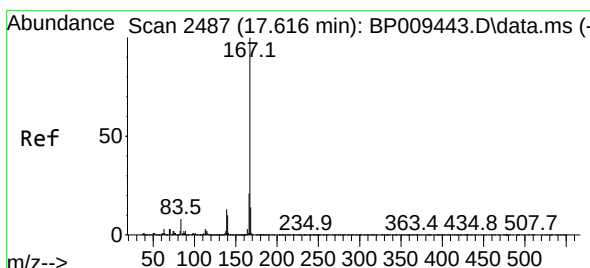
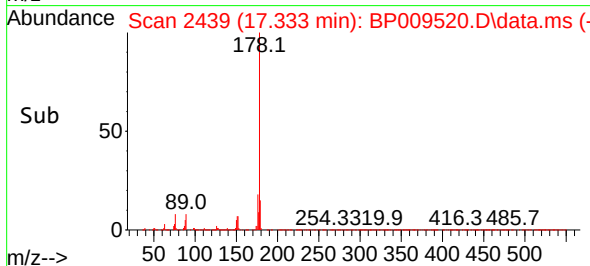
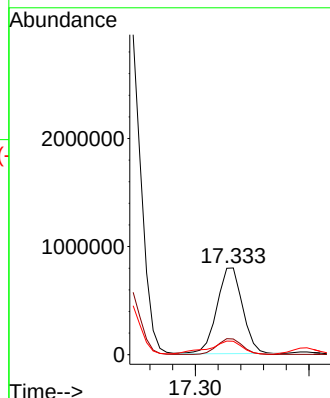
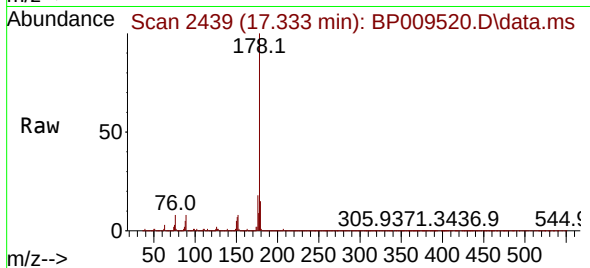
Tgt Ion:178 Resp: 1248633

Ion Ratio Lower Upper

178 100

176 18.1 14.8 22.2

179 15.5 12.2 18.4



#73

Carbazole

Concen: 3.630 ng

RT: 17.604 min Scan# 2485

Delta R.T. -0.006 min

Lab File: BP009520.D

Acq: 23 Mar 2022 23:07

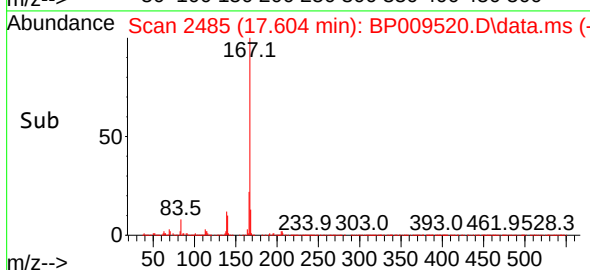
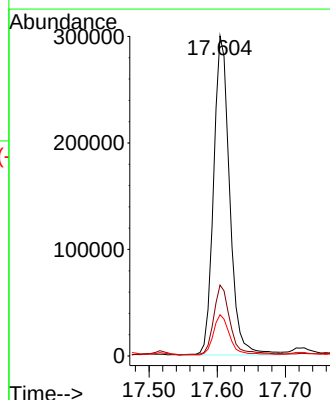
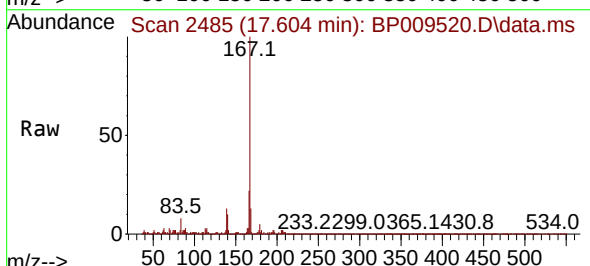
Tgt Ion:167 Resp: 491279

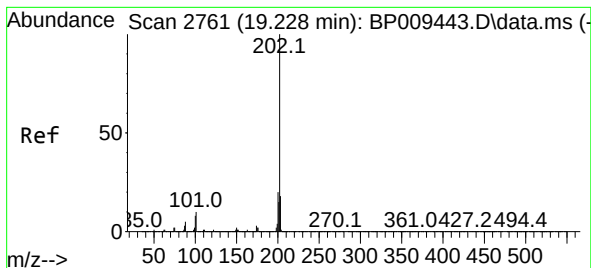
Ion Ratio Lower Upper

167 100

166 22.2 17.2 25.8

139 12.9 10.3 15.5





#75

Fluoranthene

Concen: 31.870 ng

RT: 19.222 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP009520.D

Acq: 23 Mar 2022 23:07

Instrument :

BNA_P

ClientSampleId :

UNDER-PILE

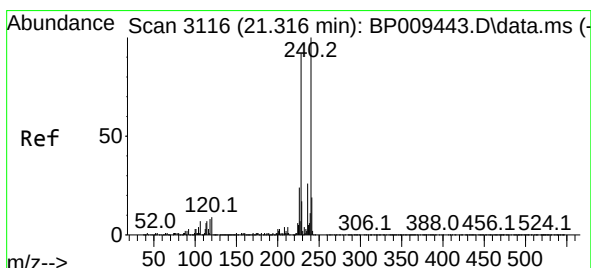
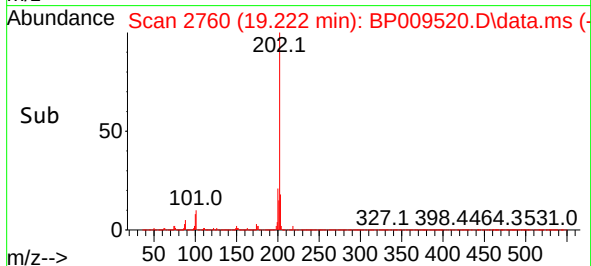
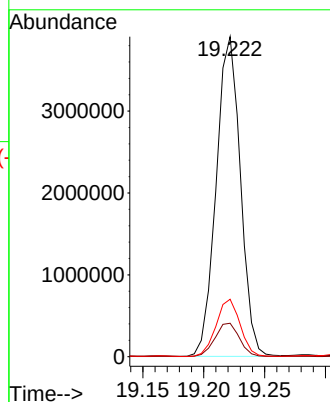
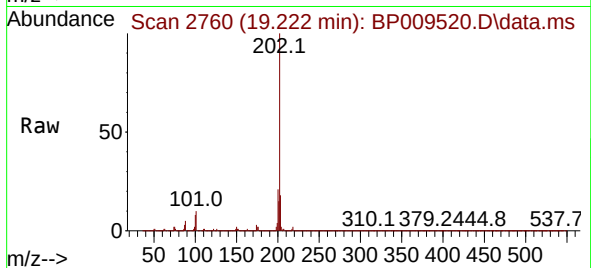
Tgt Ion:202 Resp: 5408507

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.5

203 17.9 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.310 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BP009520.D

Acq: 23 Mar 2022 23:07

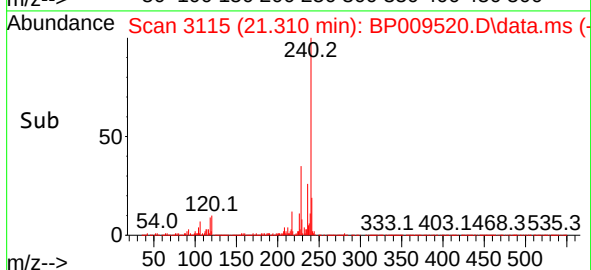
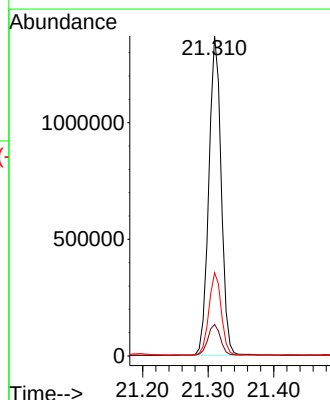
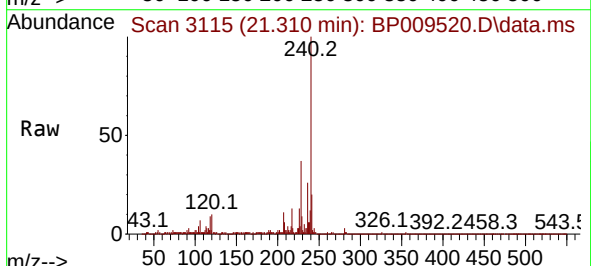
Tgt Ion:240 Resp: 1791947

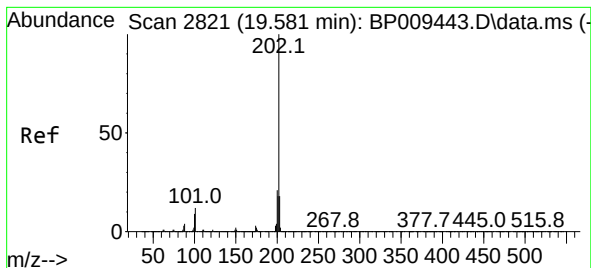
Ion Ratio Lower Upper

240 100

120 9.9 9.0 13.4

236 26.0 20.6 30.8





#78

Pyrene

Concen: 42.535 ng

RT: 19.575 min Scan# 2821

Delta R.T. 0.000 min

Lab File: BP009520.D

Acq: 23 Mar 2022 23:07

Instrument :

BNP_P

ClientSampleId :

UNDER-PILE

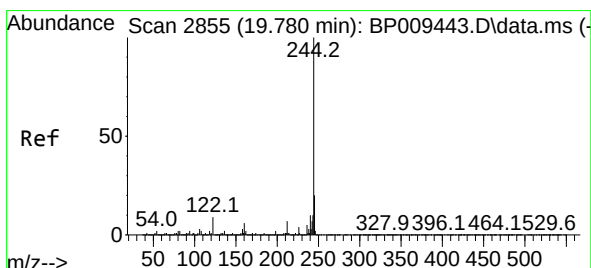
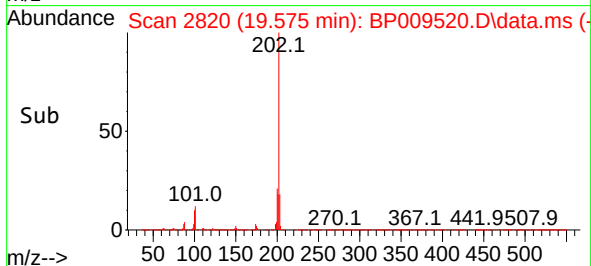
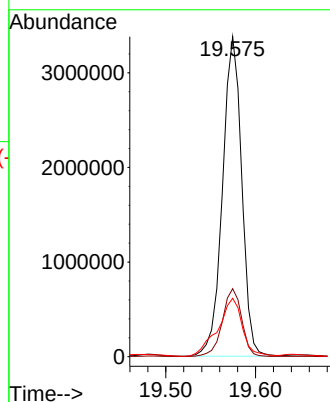
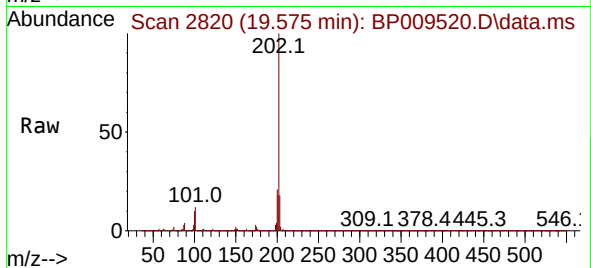
Tgt Ion:202 Resp: 5022631

Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

203 18.3 14.2 21.4



#79

Terphenyl-d14

Concen: 13.832 ng

RT: 19.775 min Scan# 2854

Delta R.T. -0.006 min

Lab File: BP009520.D

Acq: 23 Mar 2022 23:07

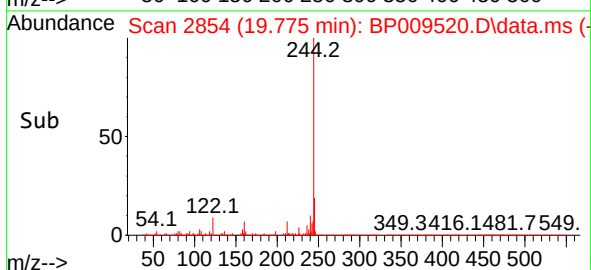
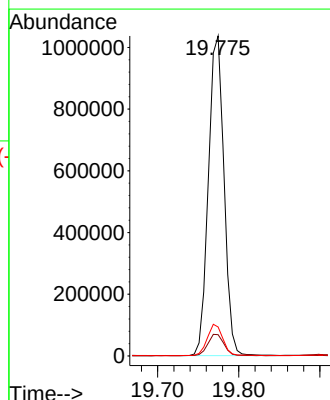
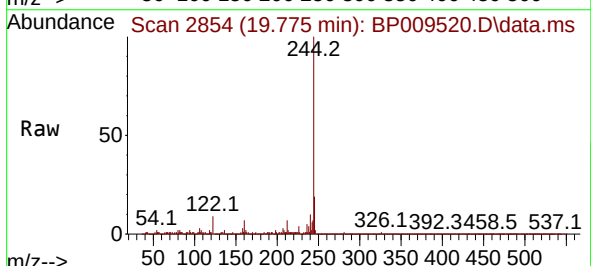
Tgt Ion:244 Resp: 1380904

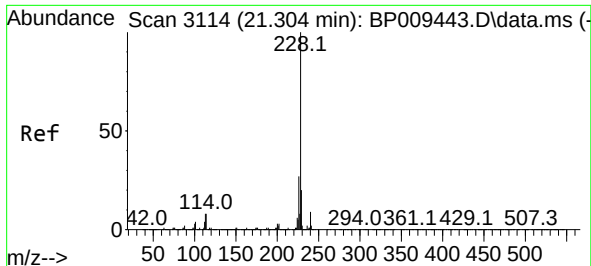
Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 9.0 8.3 12.5

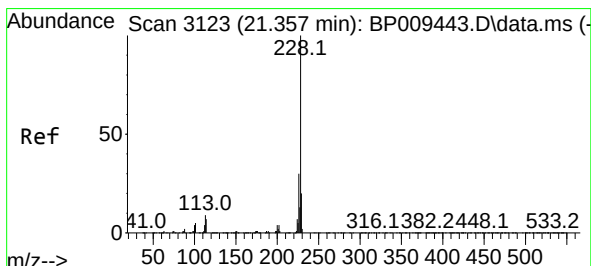
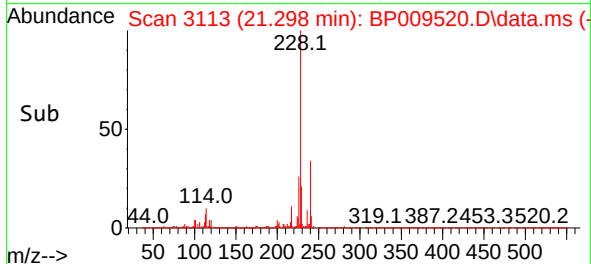
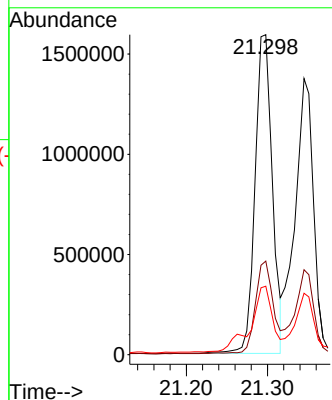
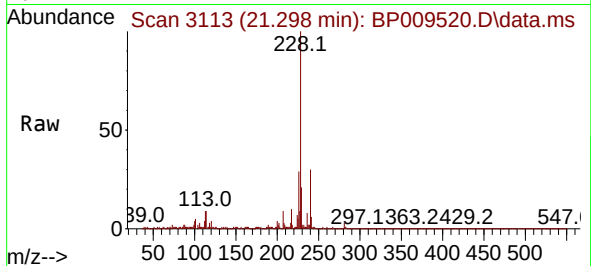




#81
Benzo(a)anthracene
Concen: 20.053 ng
RT: 21.298 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

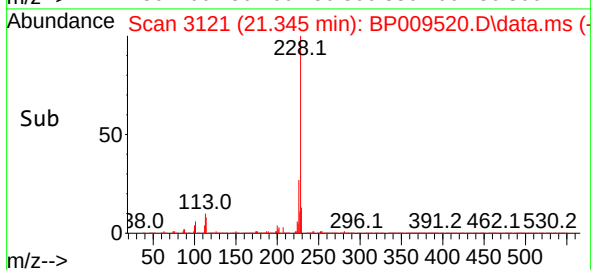
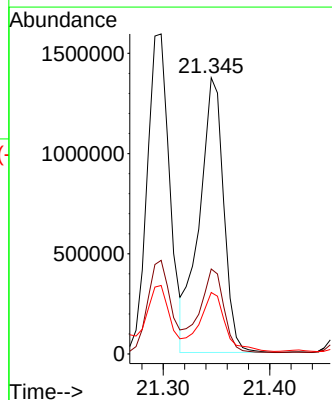
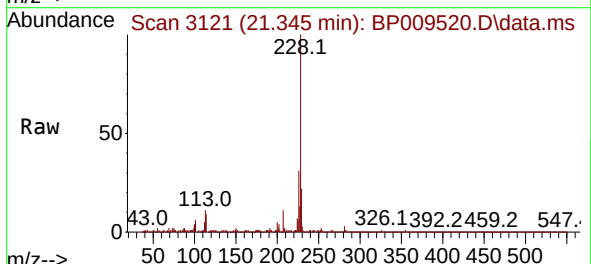
Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

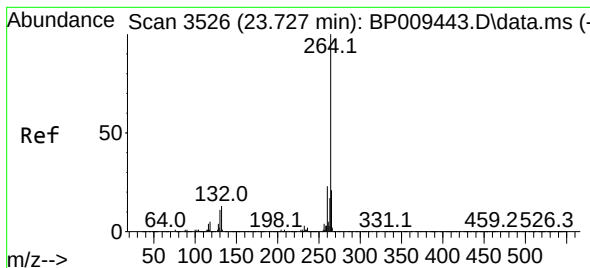
Tgt Ion:228 Resp: 2360868
Ion Ratio Lower Upper
228 100
226 29.3 22.0 33.0
229 21.4 16.1 24.1



#83
Chrysene
Concen: 19.547 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

Tgt Ion:228 Resp: 2179069
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.2
229 22.2 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP009520.D

Acq: 23 Mar 2022 23:07

Instrument :

BNA_P

ClientSampleId :

UNDER-PILE

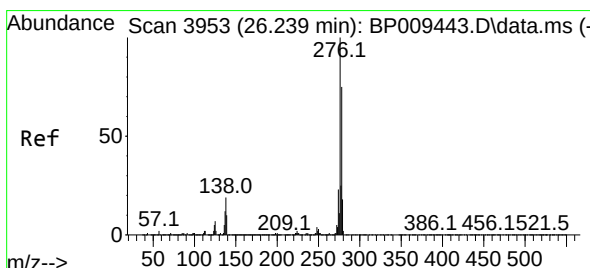
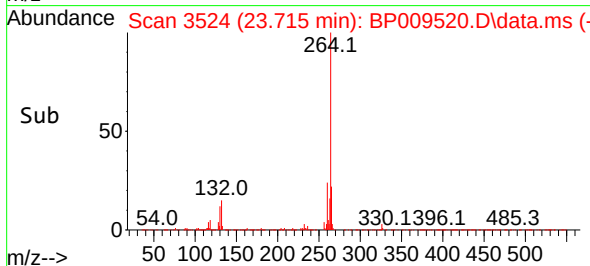
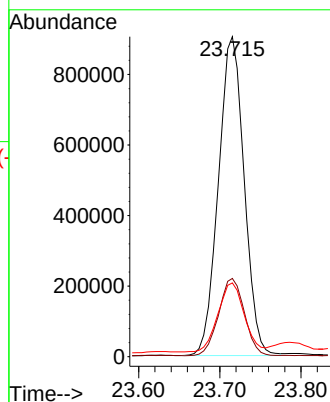
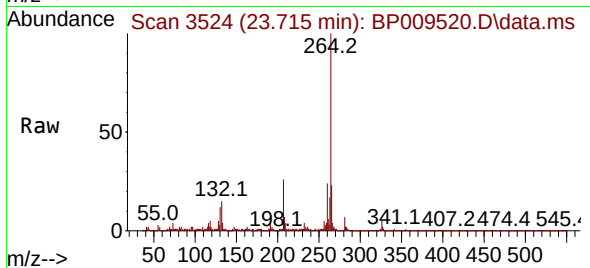
Tgt Ion:264 Resp: 1994485

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.0

265 23.0 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.553 ng

RT: 26.215 min Scan# 3949

Delta R.T. -0.012 min

Lab File: BP009520.D

Acq: 23 Mar 2022 23:07

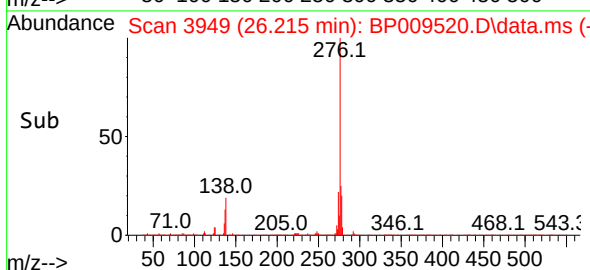
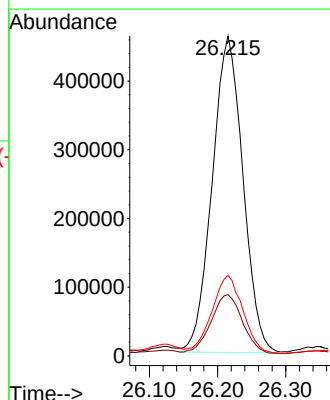
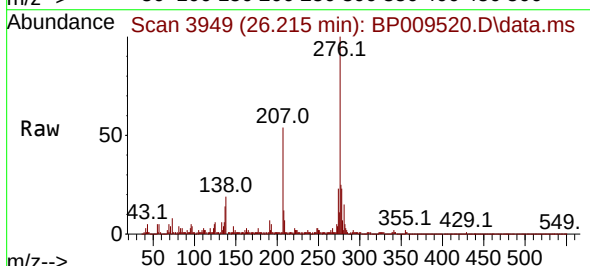
Tgt Ion:276 Resp: 1445522

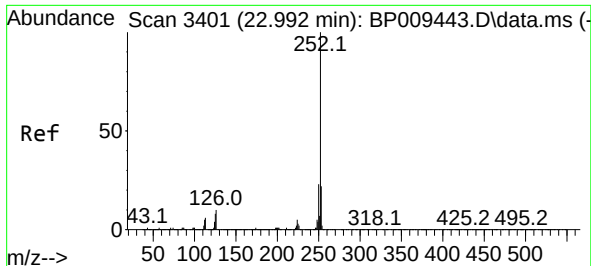
Ion Ratio Lower Upper

276 100

138 19.1 20.5 30.7#

277 24.9 20.4 30.6

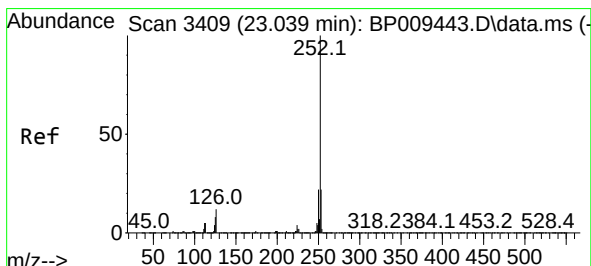
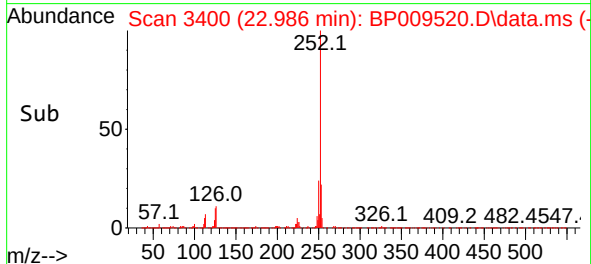
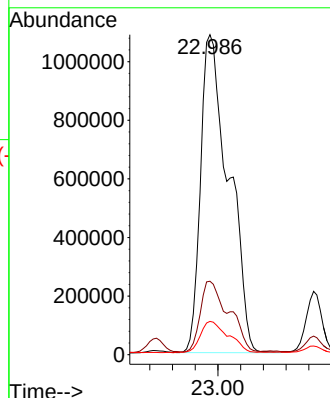
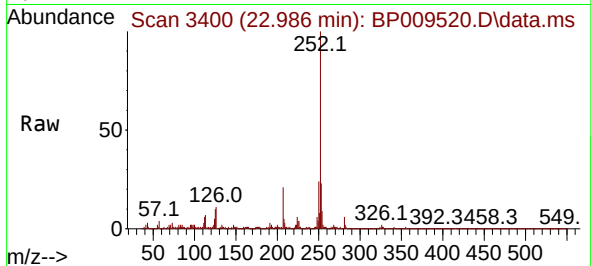




#88
Benzo(b)fluoranthene
Concen: 31.323 ng
RT: 22.986 min Scan# 3400
Delta R.T. 0.000 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

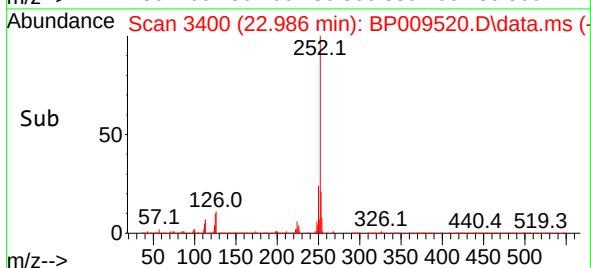
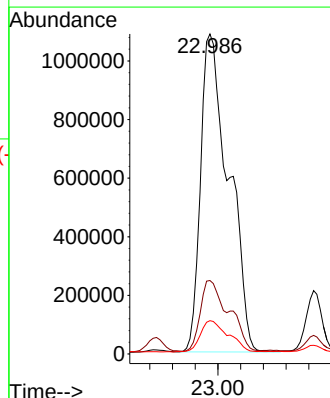
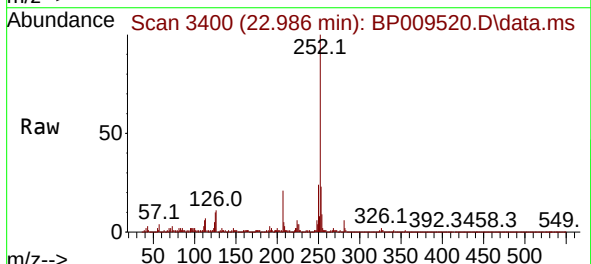
Instrument :
BNA_P
ClientSampleId :
UNDER-PILE

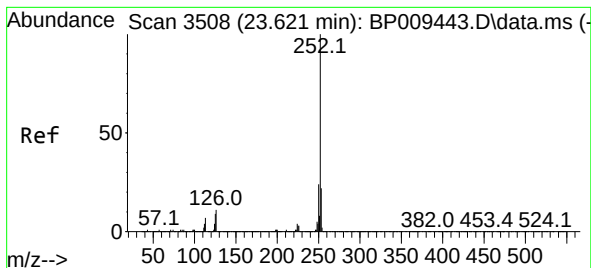
Tgt Ion:252 Resp: 3729494
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 10.4 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 32.009 ng
RT: 22.986 min Scan# 3400
Delta R.T. -0.053 min
Lab File: BP009520.D
Acq: 23 Mar 2022 23:07

Tgt Ion:252 Resp: 3731559
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.4 8.3 12.5





#90

Benzo(a)pyrene

Concen: 21.209 ng

RT: 23.610 min Scan# 3508

Delta R.T. 0.000 min

Lab File: BP009520.D

Acq: 23 Mar 2022 23:07

Instrument :

BNA_P

ClientSampleId :

UNDER-PILE

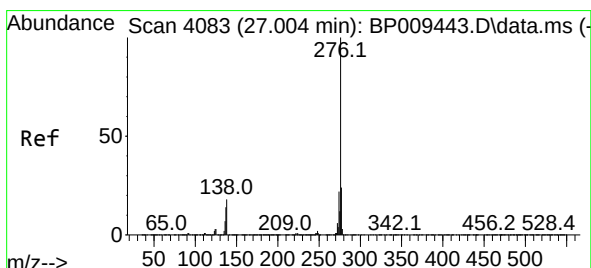
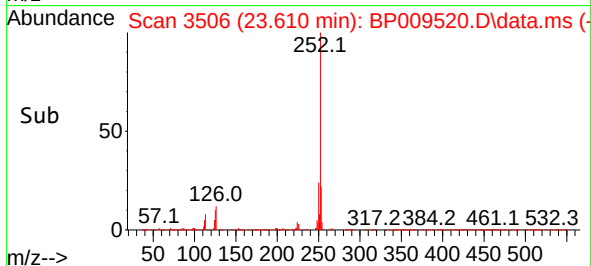
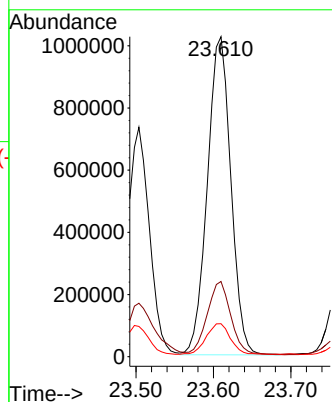
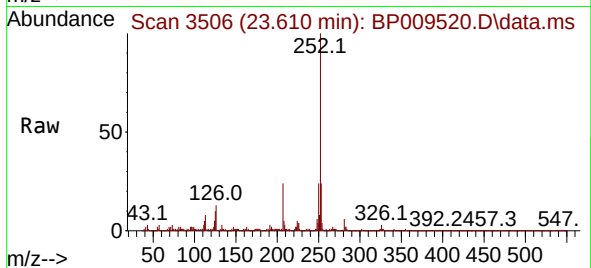
Tgt Ion:252 Resp: 2160549

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 10.3 9.3 13.9



#92

Benzo(g,h,i)perylene

Concen: 11.812 ng

RT: 26.986 min Scan# 4080

Delta R.T. 0.000 min

Lab File: BP009520.D

Acq: 23 Mar 2022 23:07

Tgt Ion:276 Resp: 1465407

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 19.7 18.0 27.0

