

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080521\
 Data File : BP006507.D
 Acq On : 05 Aug 2021 15:07
 Operator : CG/JU
 Sample : M3256-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-03-080221

Quant Time: Aug 05 15:47:28 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 03 15:41:30 2021
 Response via : Initial Calibration

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

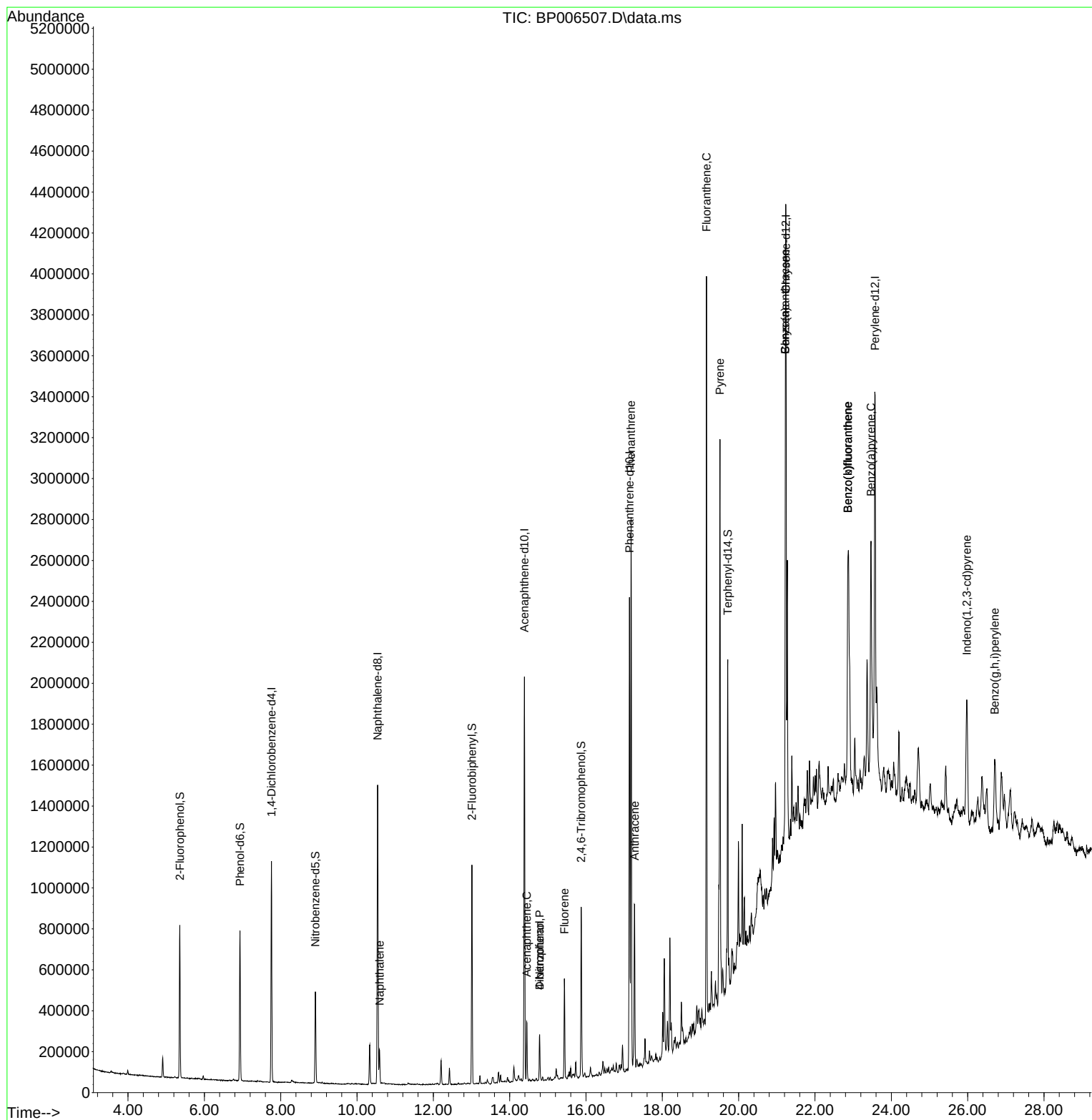
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	265993	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	1130713	20.000	ng	# 0.00
39) Acenaphthene-d10	14.387	164	630077	20.000	ng	0.00
64) Phenanthrene-d10	17.139	188	1200065	20.000	ng	# 0.00
76) Chrysene-d12	21.239	240	1067770	20.000	ng	# 0.00
86) Perylene-d12	23.574	264	1142088	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	303762	17.540	ng	0.00
7) Phenol-d6	6.934	99	395709	16.085	ng	0.00
23) Nitrobenzene-d5	8.910	82	266264	10.869	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	110818	16.829	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	488598	11.602	ng	0.00
79) Terphenyl-d14	19.716	244	650262	12.203	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.593	128	136969	2.254	ng	98
52) Acenaphthene	14.445	154	96342	2.673	ng	99
55) Dibenzofuran	14.786	168	127297	2.245	ng	93
56) 4-Nitrophenol	14.786	139	52692	5.349	ng	# 6
58) Fluorene	15.434	166	199071	4.393	ng	97
71) Phenanthrene	17.180	178	1422344	21.012	ng	99
72) Anthracene	17.275	178	473460	7.239	ng	100
75) Fluoranthene	19.157	202	1839527	24.212	ng	94
78) Pyrene	19.510	202	1502998	21.074	ng	99
81) Benzo(a)anthracene	21.221	228	823046	11.794	ng	98
83) Chrysene	21.221	228	823046	12.166	ng	97
87) Indeno(1,2,3-cd)pyrene	25.980	276	444835	5.372	ng	# 93
88) Benzo(b)fluoranthene	22.863	252	905190	12.195	ng	# 89
89) Benzo(k)fluoranthene	22.863	252	905190	12.701	ng	# 89
90) Benzo(a)pyrene	23.468	252	717525	10.777	ng	# 90
92) Benzo(g,h,i)perylene	26.709	276	422494	6.158	ng	# 87

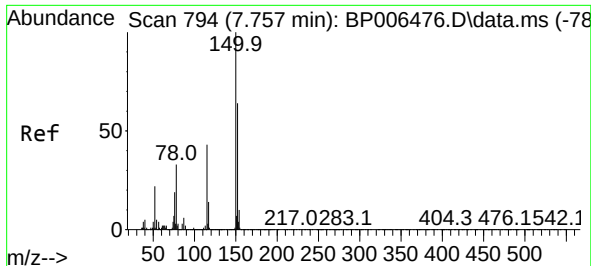
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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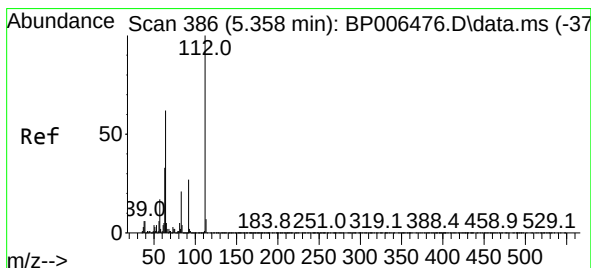
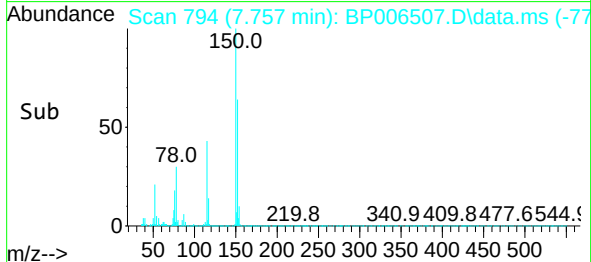
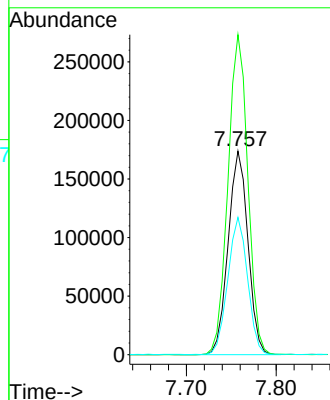
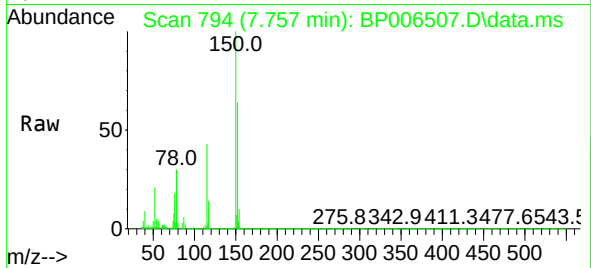




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 794
Delta R.T. 0.000 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

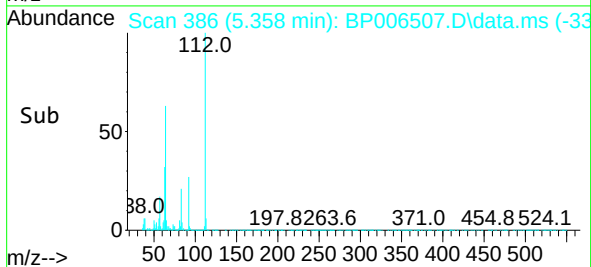
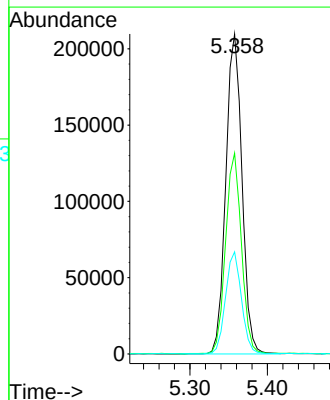
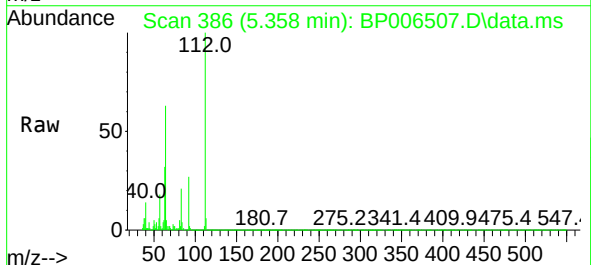
Instrument :
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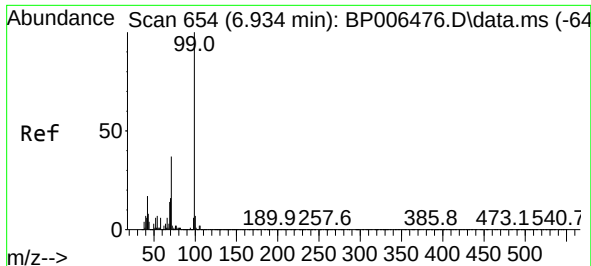
Tgt Ion:152 Resp: 265993
Ion Ratio Lower Upper
152 100
150 157.2 125.6 188.4
115 67.5 48.5 72.7



#5
2-Fluorophenol
Concen: 17.540 ng
RT: 5.358 min Scan# 386
Delta R.T. 0.000 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

Tgt Ion:112 Resp: 303762
Ion Ratio Lower Upper
112 100
64 62.8 41.4 62.2#
63 31.9 23.8 35.8

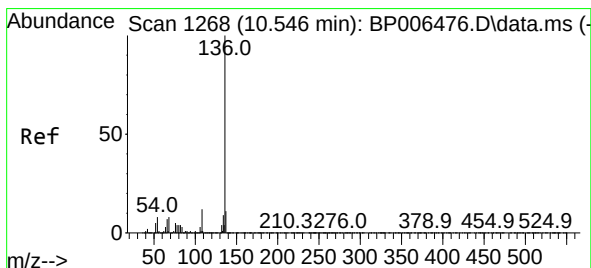
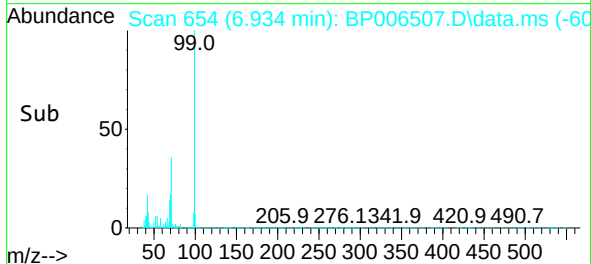
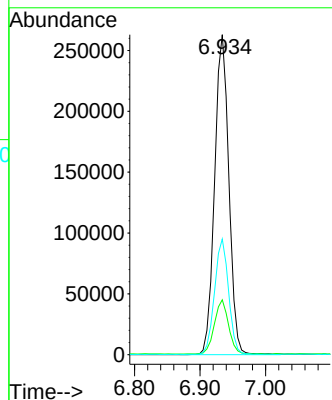
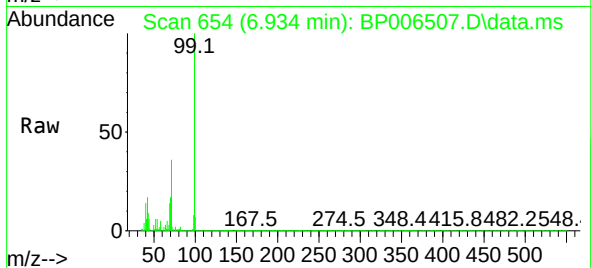




#7
Phenol-d6
Concen: 16.085 ng
RT: 6.934 min Scan# 654
Delta R.T. 0.000 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

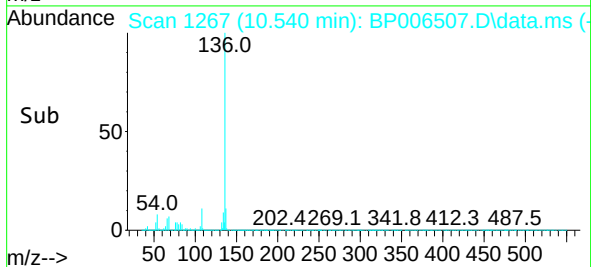
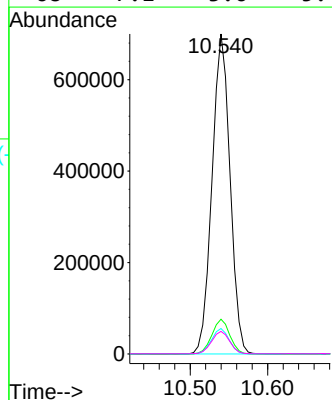
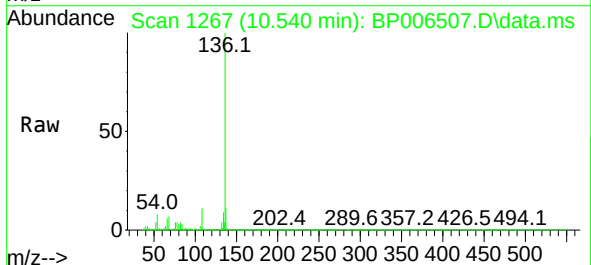
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BNA_P
ClientSampleId :
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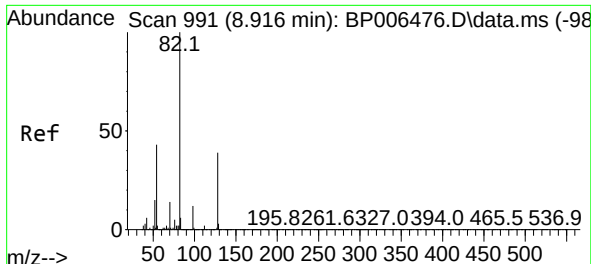
Tgt Ion:	99	Resp:	395709
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.4	20.0
71	36.2	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1267
Delta R.T. -0.006 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

Tgt Ion:	136	Resp:	1130713
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	7.9	4.6	6.8#
68	7.1	3.6	5.4#

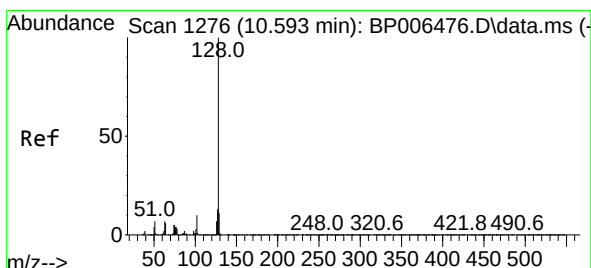
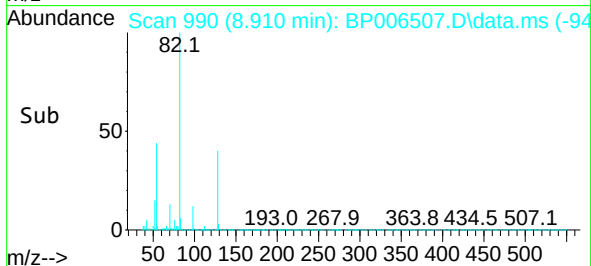
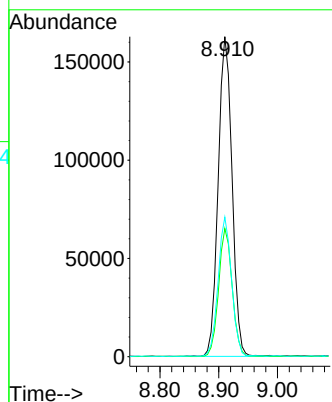
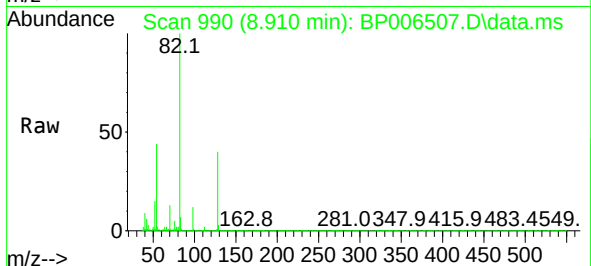




#23
Nitrobenzene-d5
Concen: 10.869 ng
RT: 8.910 min Scan# 990
Delta R.T. -0.006 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

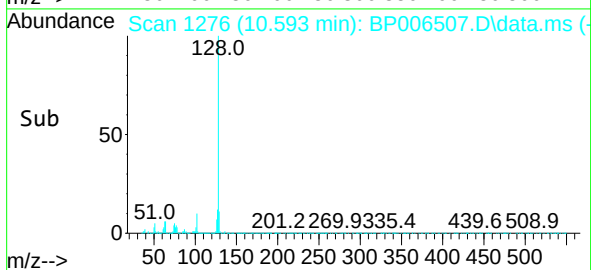
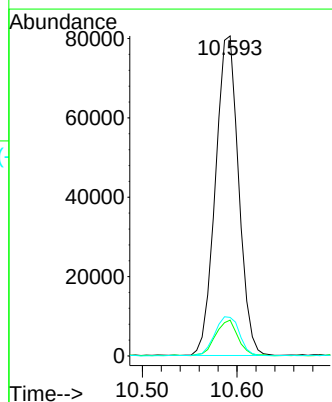
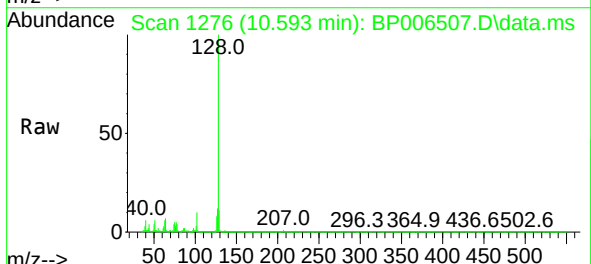
Instrument :
BNA_P
ClientSampleId :
OK-03-080221

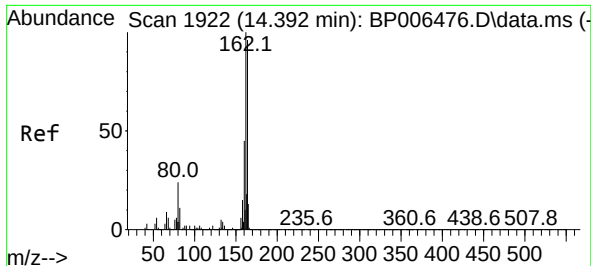
Tgt Ion: 82 Resp: 266264
Ion Ratio Lower Upper
82 100
128 40.1 35.7 53.5
54 43.6 35.0 52.4



#31
Naphthalene
Concen: 2.254 ng
RT: 10.593 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

Tgt Ion: 128 Resp: 136969
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 12.1 10.7 16.1

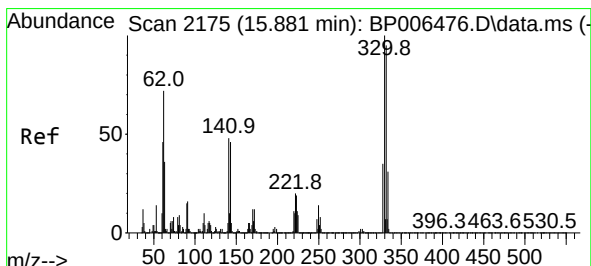
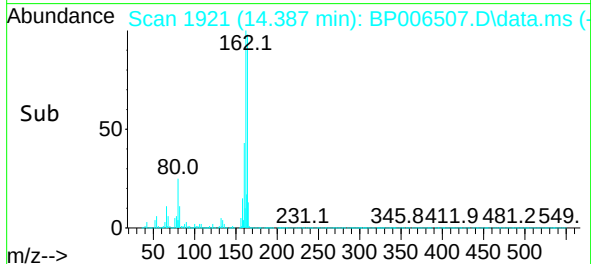
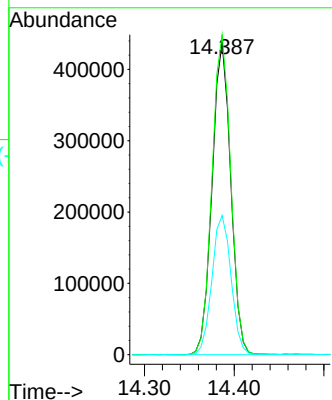
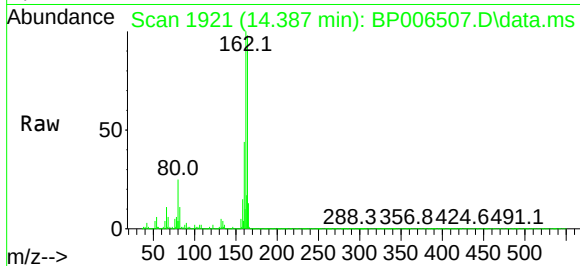




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

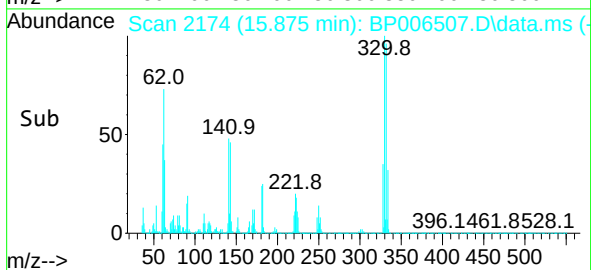
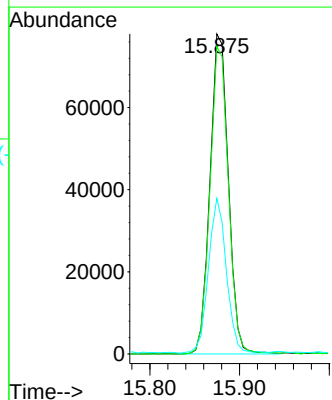
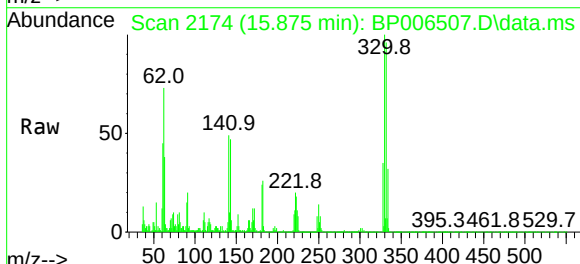
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ClientSampleId :
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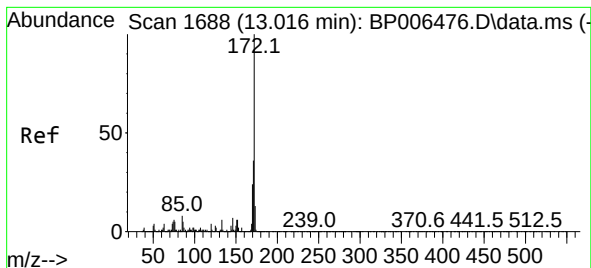
Tgt Ion:164 Resp: 630077
Ion Ratio Lower Upper
164 100
162 102.6 80.2 120.2
160 44.6 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 16.829 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

Tgt Ion:330 Resp: 110818
Ion Ratio Lower Upper
330 100
332 96.3 77.8 116.8
141 47.3 25.4 38.2#

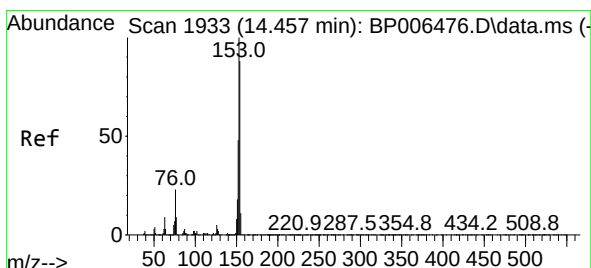
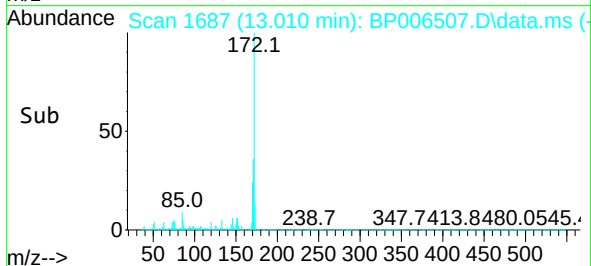
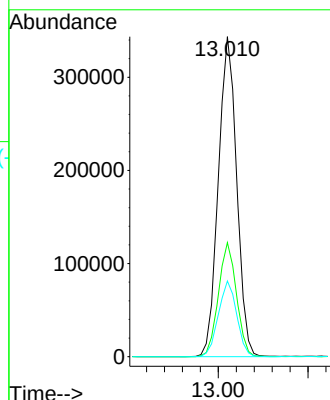
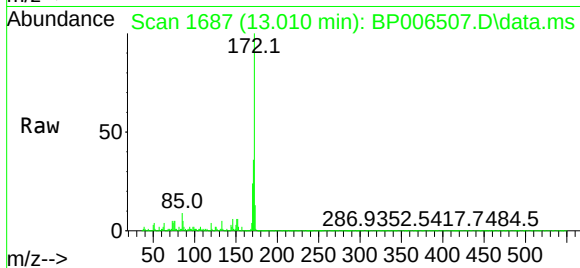




#45
2-Fluorobiphenyl
Concen: 11.602 ng
RT: 13.010 min Scan# 1687
Delta R.T. -0.006 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

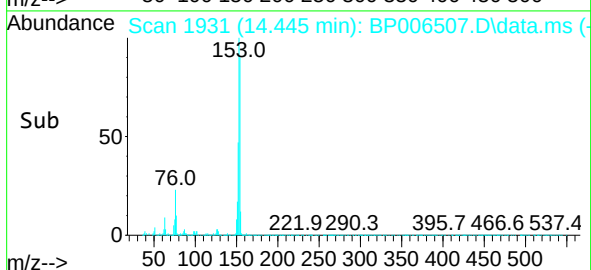
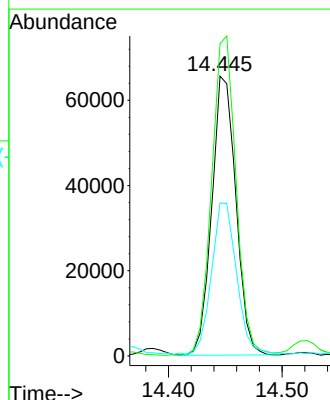
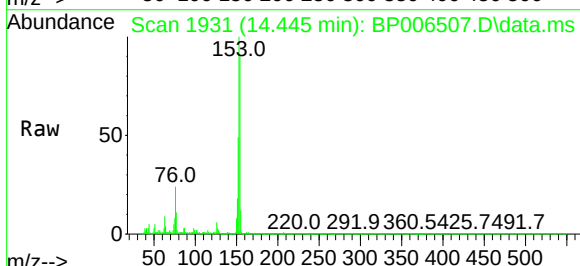
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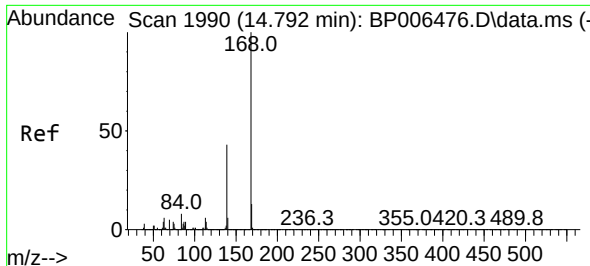
Tgt Ion:172 Resp: 488598
Ion Ratio Lower Upper
172 100
171 35.6 27.9 41.9
170 23.7 18.6 27.8



#52
Acenaphthene
Concen: 2.673 ng
RT: 14.445 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

Tgt Ion:154 Resp: 96342
Ion Ratio Lower Upper
154 100
153 111.6 89.4 134.2
152 54.6 43.0 64.4

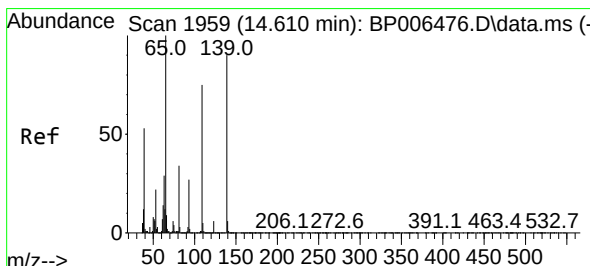
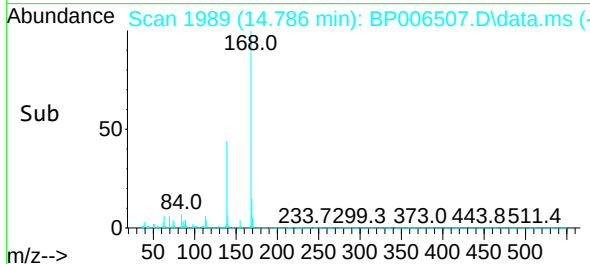
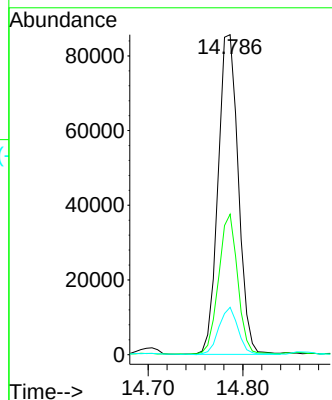
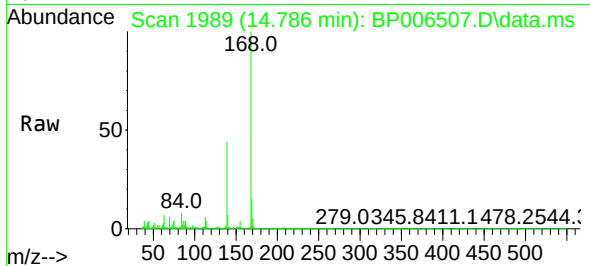




#55
Dibenzenofuran
Concen: 2.245 ng
RT: 14.786 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

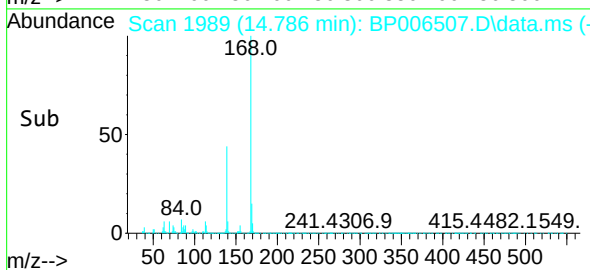
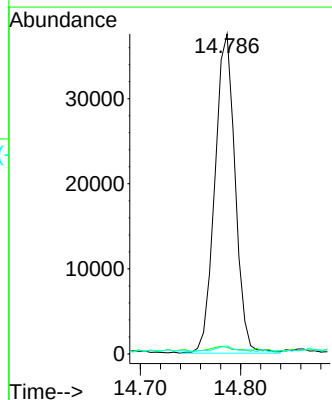
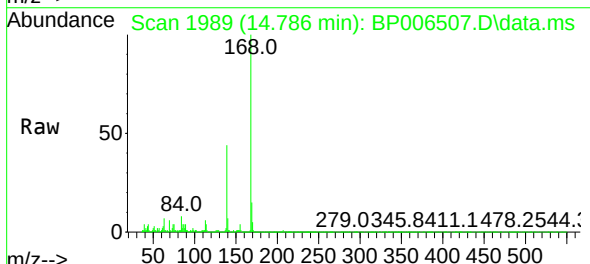
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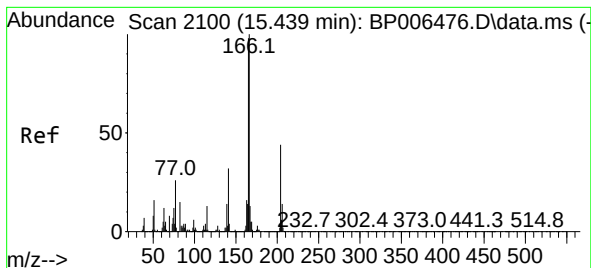
Tgt Ion:168 Resp: 127297
Ion Ratio Lower Upper
168 100
139 43.9 31.0 46.6
169 14.8 10.8 16.2



#56
4-Nitrophenol
Concen: 5.349 ng
RT: 14.786 min Scan# 1989
Delta R.T. 0.176 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

Tgt Ion:139 Resp: 52692
Ion Ratio Lower Upper
139 100
109 2.1 72.3 112.3#
65 2.6 72.5 112.5#

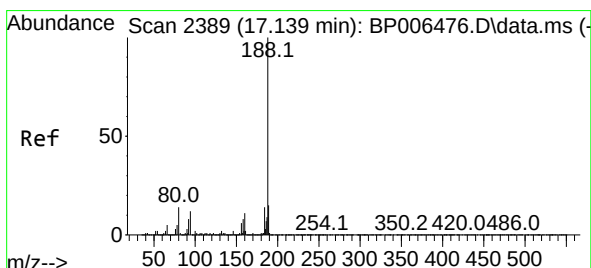
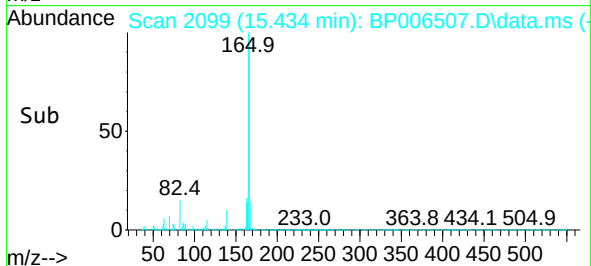
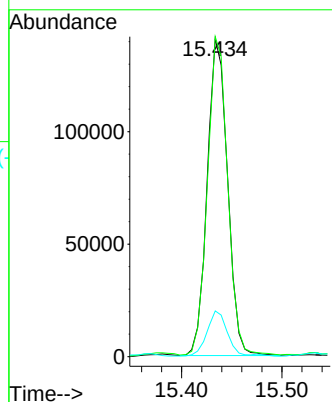
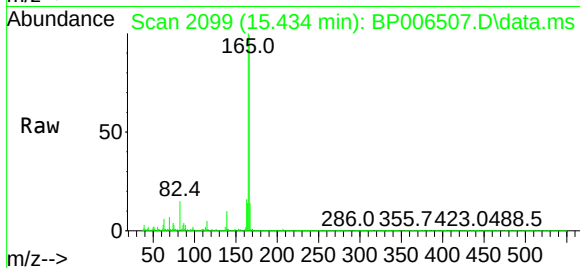




#58
Fluorene
Concen: 4.393 ng
RT: 15.434 min Scan# 2099
Delta R.T. -0.006 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

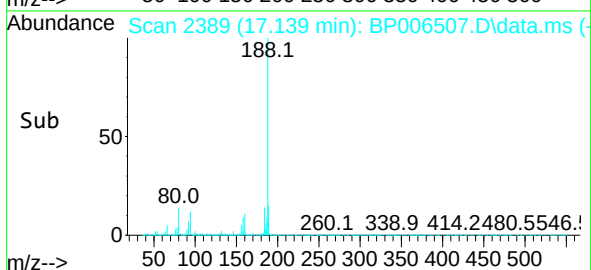
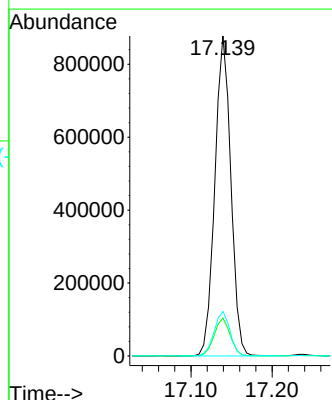
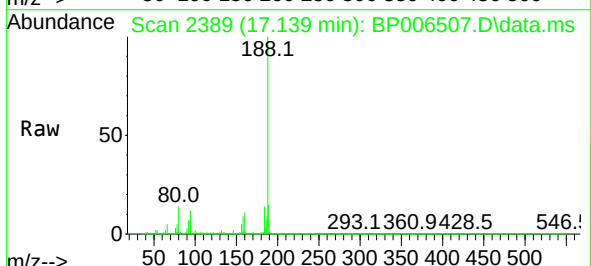
Instrument :
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OK-03-080221

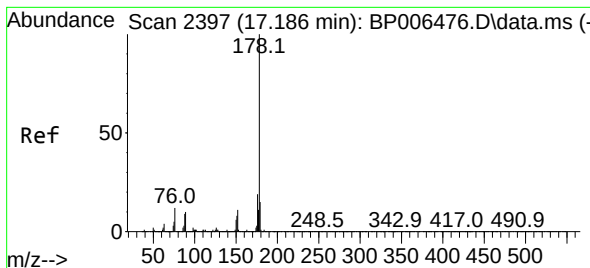
Tgt Ion:166 Resp: 199071
Ion Ratio Lower Upper
166 100
165 100.6 78.0 117.0
167 14.4 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2389
Delta R.T. 0.000 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

Tgt Ion:188 Resp: 1200065
Ion Ratio Lower Upper
188 100
94 11.9 5.6 8.4#
80 13.9 6.3 9.5#

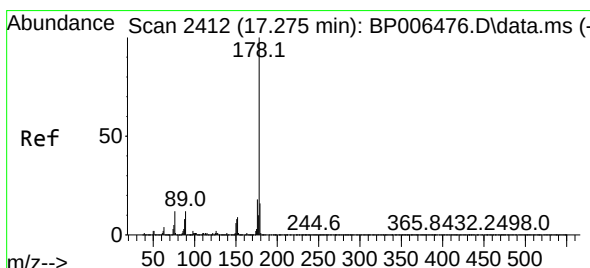
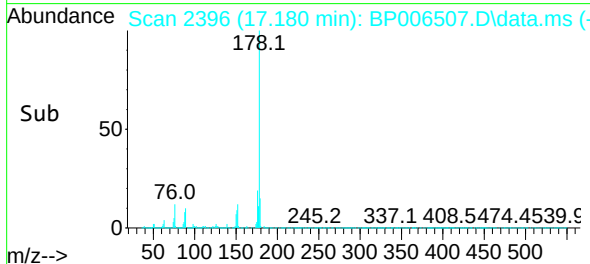
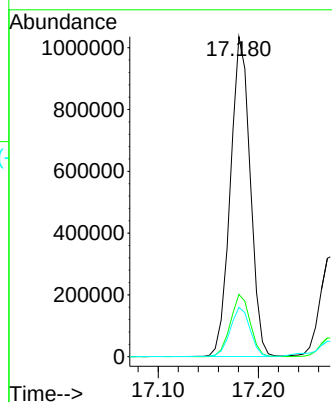
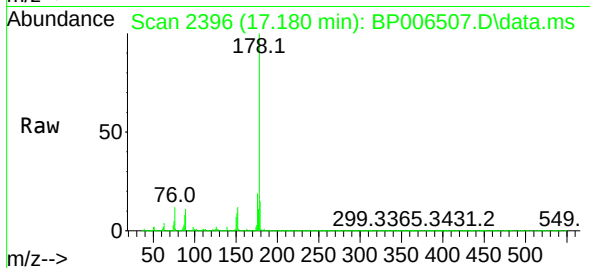




#71
Phenanthrene
Concen: 21.012 ng
RT: 17.180 min Scan# 2396
Delta R.T. -0.006 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

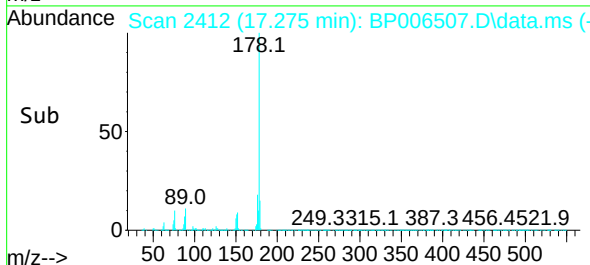
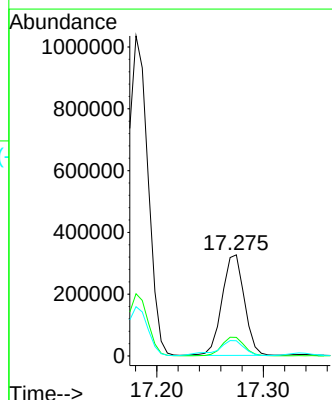
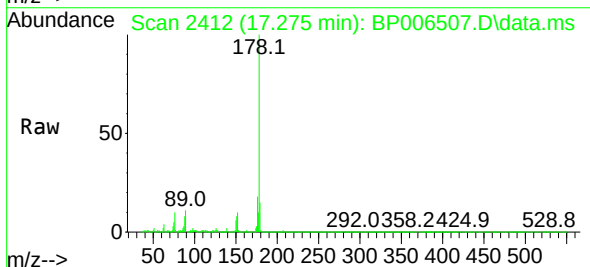
Instrument :
BNA_P
ClientSampleId :
OK-03-080221

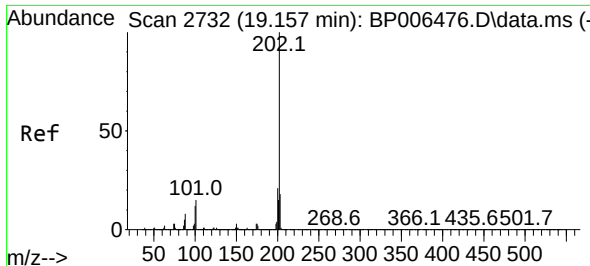
Tgt Ion:178 Resp: 1422344
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.4 12.4 18.6



#72
Anthracene
Concen: 7.239 ng
RT: 17.275 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

Tgt Ion:178 Resp: 473460
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.0 12.2 18.2

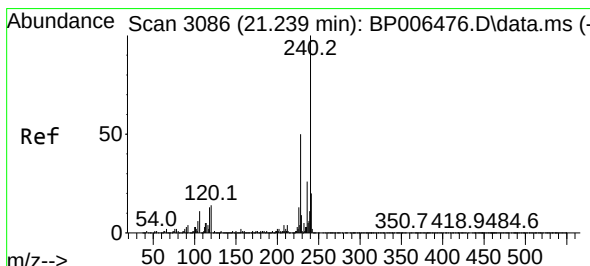
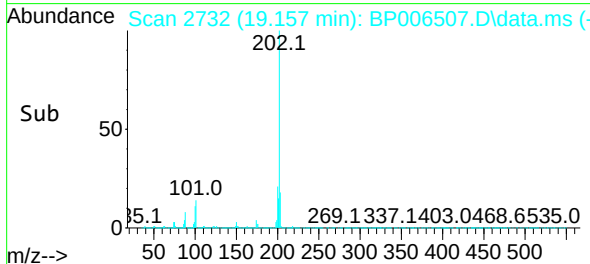
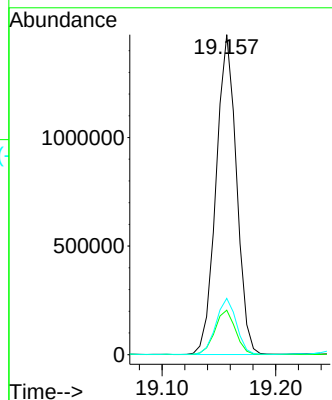
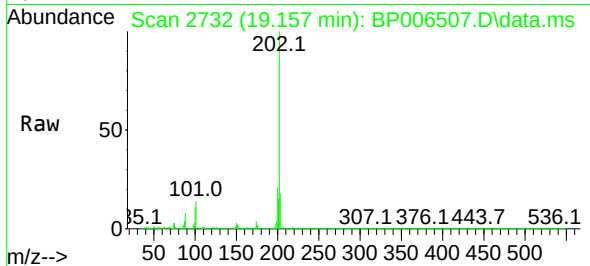




#75
Fluoranthene
Concen: 24.212 ng
RT: 19.157 min Scan# 2732
Delta R.T. 0.000 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

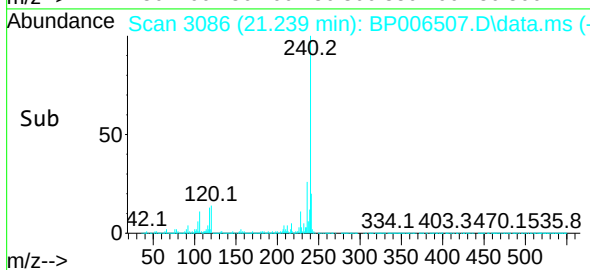
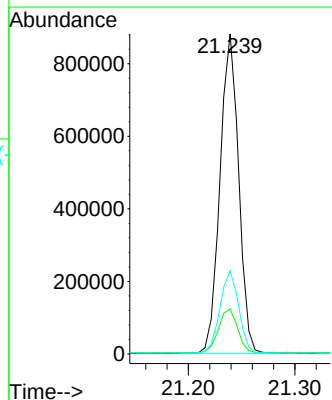
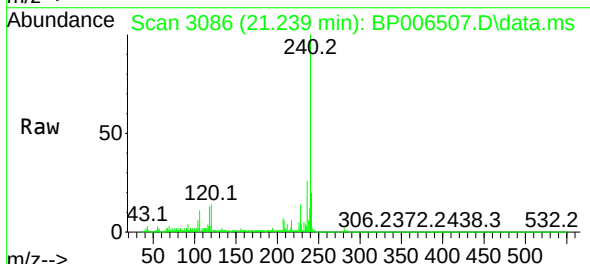
Instrument :
BNA_P
ClientSampleId :
OK-03-080221

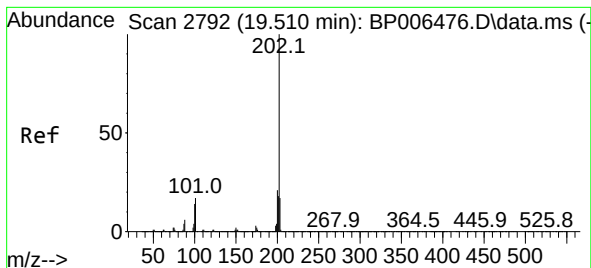
Tgt Ion:202 Resp: 1839527
Ion Ratio Lower Upper
202 100
101 13.9 0.0 27.6
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.239 min Scan# 3086
Delta R.T. 0.000 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

Tgt Ion:240 Resp: 1067770
Ion Ratio Lower Upper
240 100
120 14.1 6.5 9.7#
236 26.0 20.6 31.0





#78

Pyrene

Concen: 21.074 ng

RT: 19.510 min Scan# 2792

Delta R.T. 0.000 min

Lab File: BP006507.D

Acq: 05 Aug 2021 15:07

Tgt Ion:202 Resp: 1502998

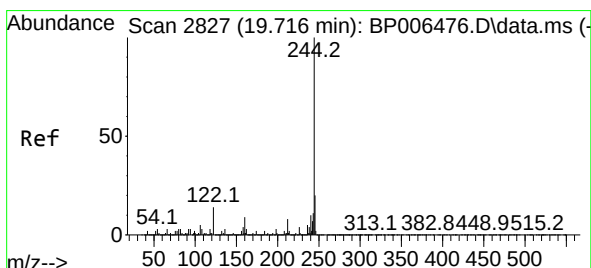
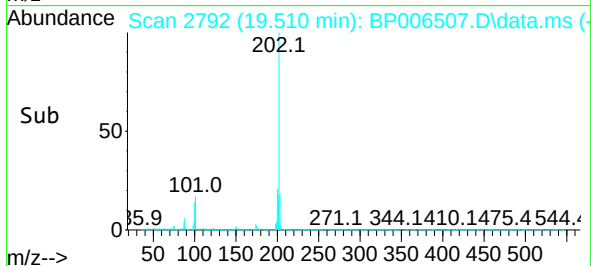
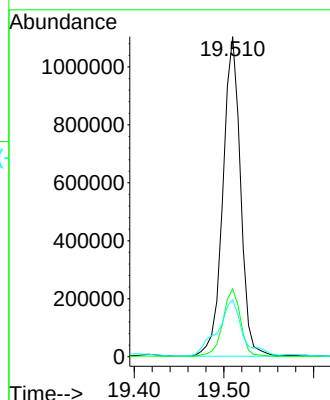
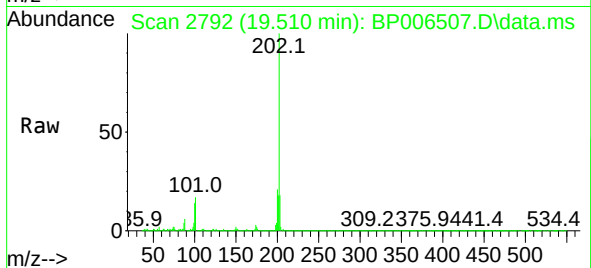
Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.3	24.5
203	17.8	14.2	21.2

Instrument :

BNA_P

ClientSampleId :

OK-03-080221



#79

Terphenyl-d14

Concen: 12.203 ng

RT: 19.716 min Scan# 2827

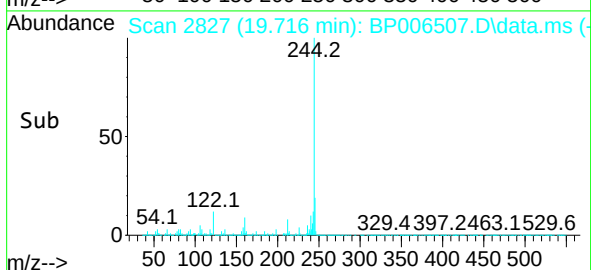
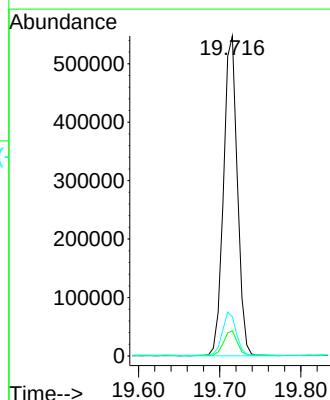
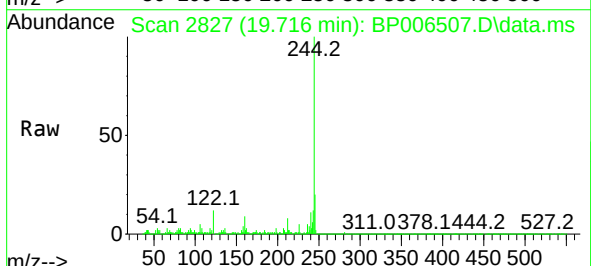
Delta R.T. 0.000 min

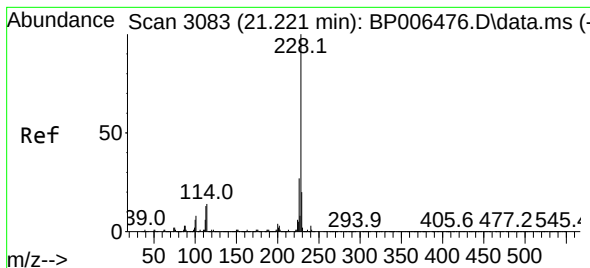
Lab File: BP006507.D

Acq: 05 Aug 2021 15:07

Tgt Ion:244 Resp: 650262

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	12.3	7.1	10.7





#81

Benzo(a)anthracene

Concen: 11.794 ng

RT: 21.221 min Scan# 3083

Delta R.T. 0.000 min

Lab File: BP006507.D

Acq: 05 Aug 2021 15:07

Instrument :

BNA_P

ClientSampleId :

OK-03-080221

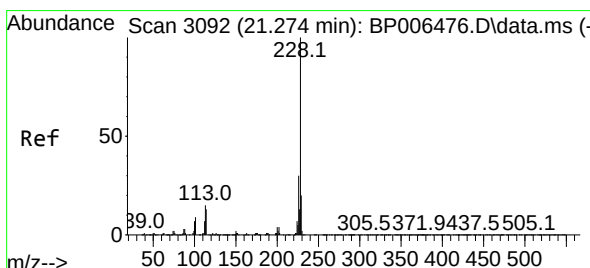
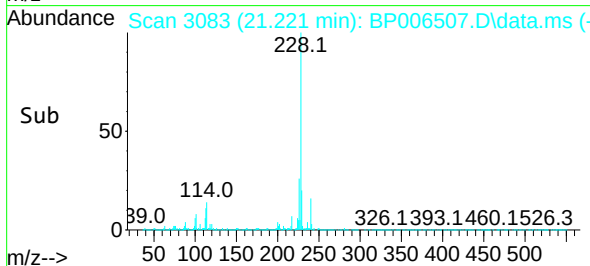
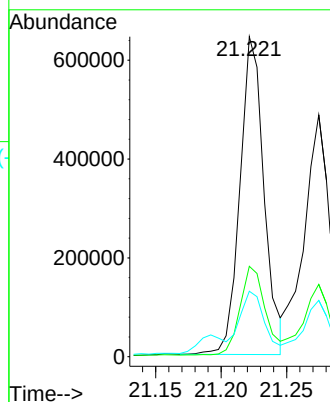
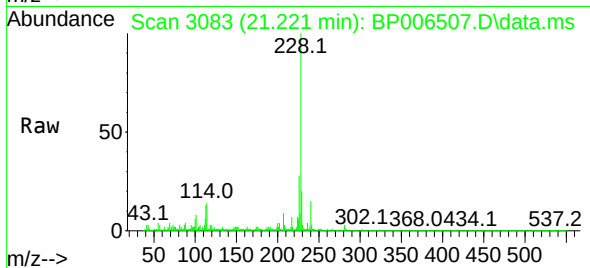
Tgt Ion:228 Resp: 823046

Ion Ratio Lower Upper

228 100

226 28.2 21.6 32.4

229 20.4 15.8 23.6



#83

Chrysene

Concen: 12.166 ng

RT: 21.221 min Scan# 3083

Delta R.T. -0.053 min

Lab File: BP006507.D

Acq: 05 Aug 2021 15:07

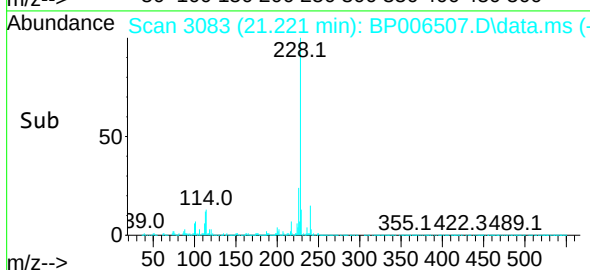
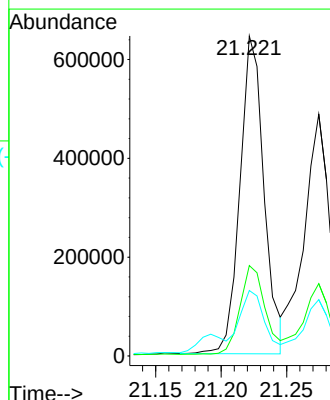
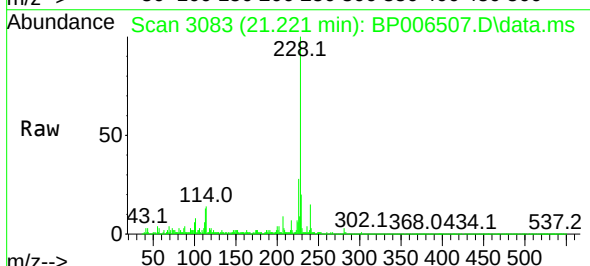
Tgt Ion:228 Resp: 823046

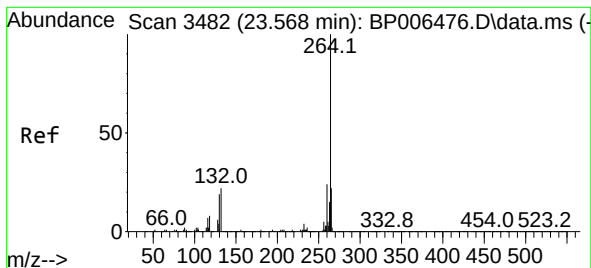
Ion Ratio Lower Upper

228 100

226 28.2 23.8 35.6

229 20.4 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.574 min Scan# 3483

Delta R.T. 0.006 min

Lab File: BP006507.D

Acq: 05 Aug 2021 15:07

Tgt Ion:264 Resp: 1142088

Ion Ratio Lower Upper

264 100

260 24.3 18.6 28.0

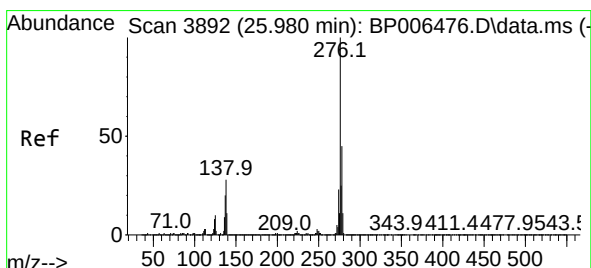
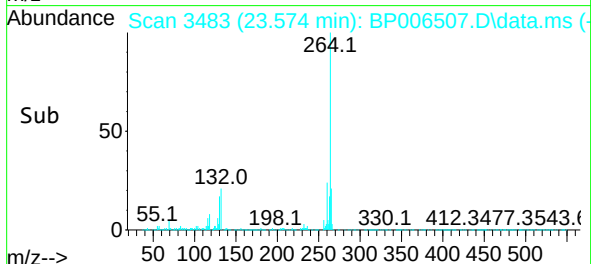
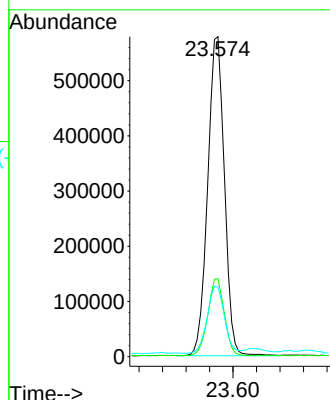
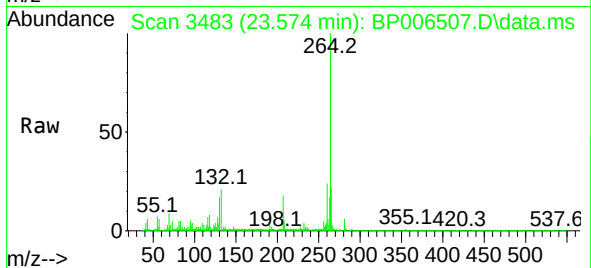
265 21.8 17.6 26.4

Instrument :

BNA_P

ClientSampleId :

OK-03-080221



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.372 ng

RT: 25.980 min Scan# 3892

Delta R.T. 0.000 min

Lab File: BP006507.D

Acq: 05 Aug 2021 15:07

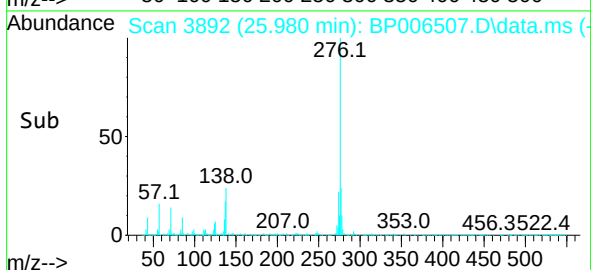
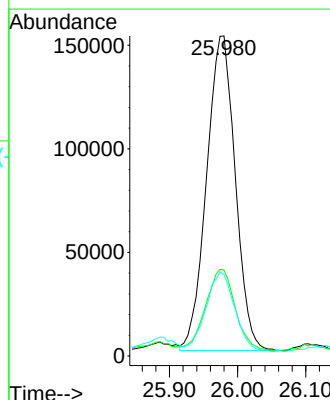
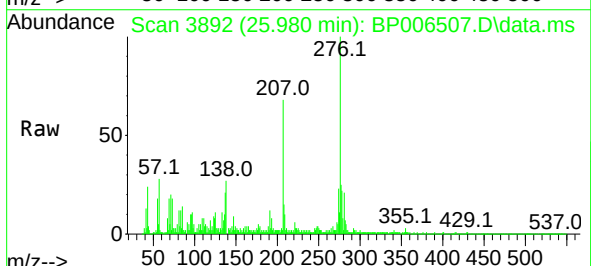
Tgt Ion:276 Resp: 444835

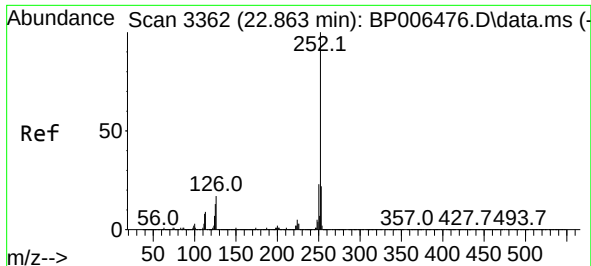
Ion Ratio Lower Upper

276 100

138 26.5 15.3 22.9#

277 25.5 20.4 30.6

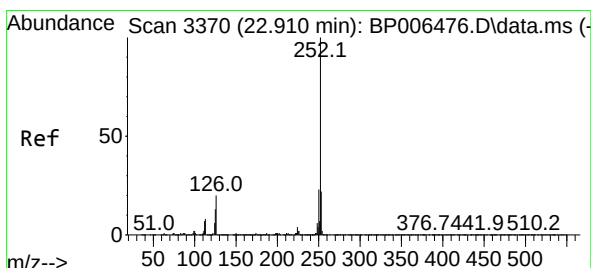
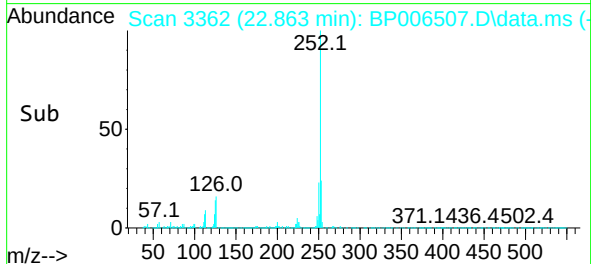
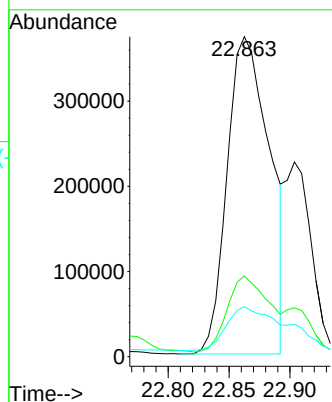
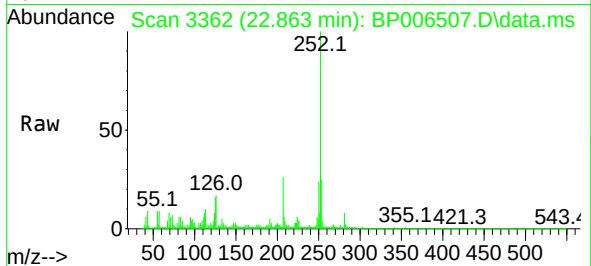




#88
Benzo(b)fluoranthene
Concen: 12.195 ng
RT: 22.863 min Scan# 3362
Delta R.T. 0.000 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

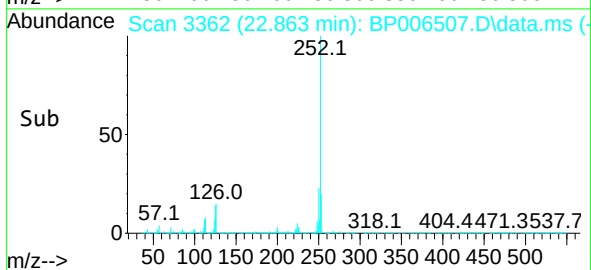
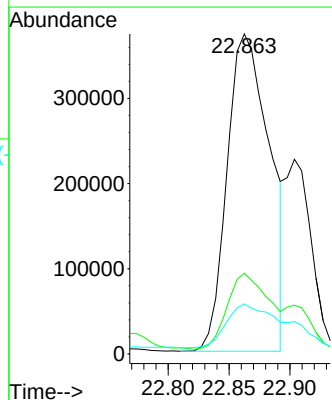
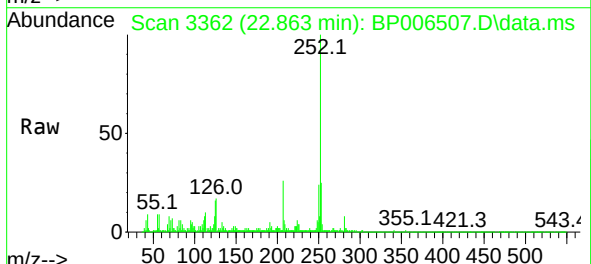
Instrument :
BNA_P
ClientSampleId :
OK-03-080221

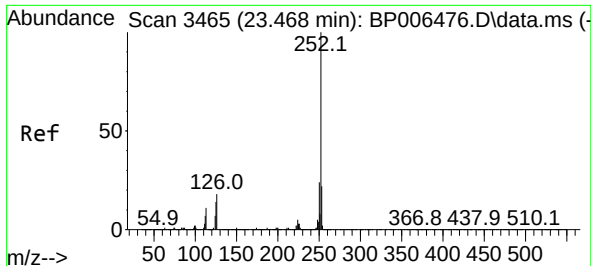
Tgt Ion:252 Resp: 905190
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 15.6 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 12.701 ng
RT: 22.863 min Scan# 3362
Delta R.T. -0.047 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

Tgt Ion:252 Resp: 905190
Ion Ratio Lower Upper
252 100
253 25.3 17.6 26.4
125 15.6 6.0 9.0#

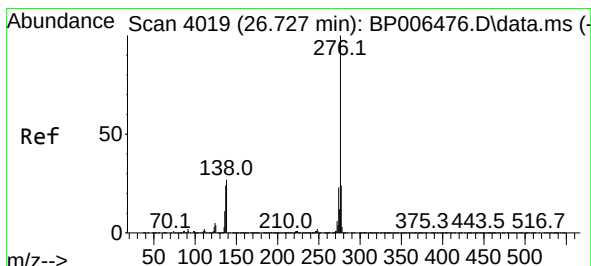
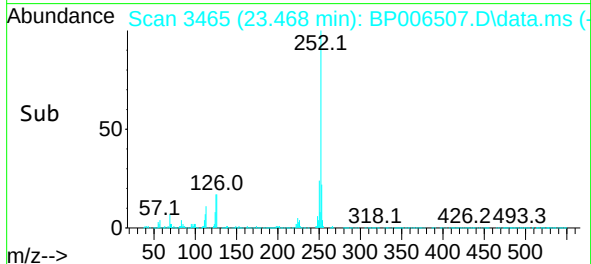
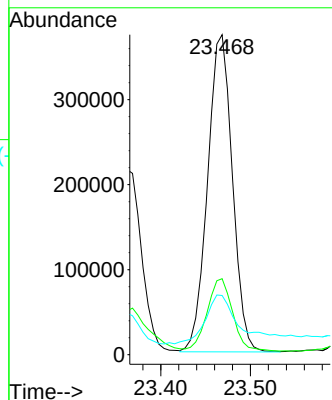
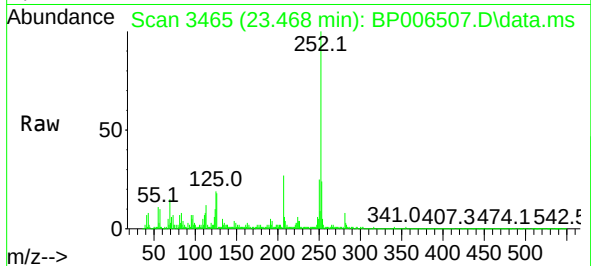




#90
Benzo(a)pyrene
Concen: 10.777 ng
RT: 23.468 min Scan# 3465
Delta R.T. 0.000 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

Instrument :
BNA_P
ClientSampleId :
OK-03-080221

Tgt Ion:252 Resp: 717525
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 18.5 6.5 9.7#



#92
Benzo(g,h,i)perylene
Concen: 6.158 ng
RT: 26.709 min Scan# 4016
Delta R.T. -0.018 min
Lab File: BP006507.D
Acq: 05 Aug 2021 15:07

Tgt Ion:276 Resp: 422494
Ion Ratio Lower Upper
276 100
277 25.5 18.9 28.3
138 27.3 12.6 18.8#

