

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
 Data File : BP013573.D
 Acq On : 24 Jan 2023 16:28
 Operator : CG/JU
 Sample : 01255-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BORING-1

Quant Time: Jan 25 03:48:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 03:43:27 2023
 Response via : Initial Calibration

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

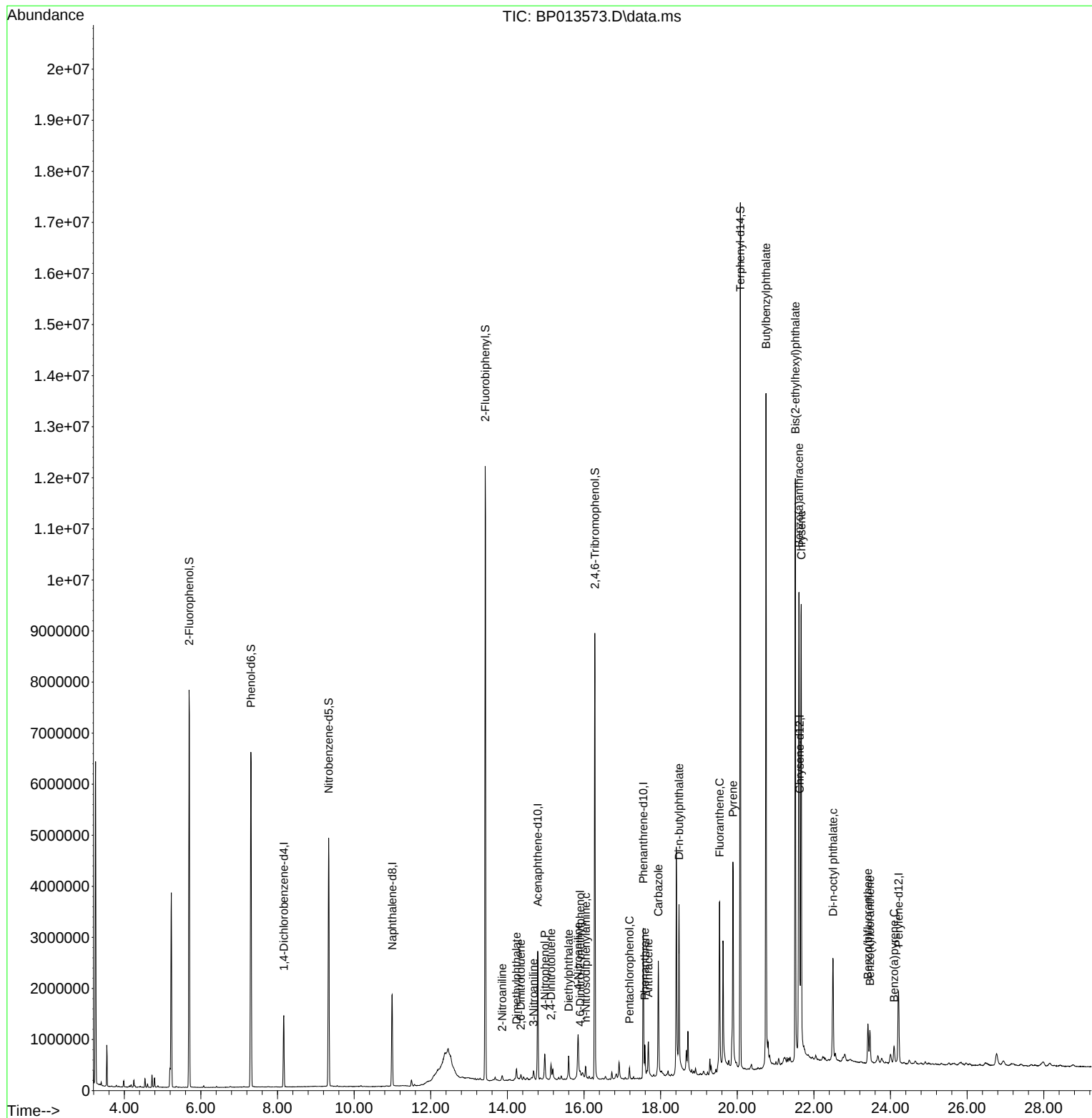
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.163	152	393102	20.000	ng	0.00
21) Naphthalene-d8	10.993	136	1551263	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	874512	20.000	ng	0.00
64) Phenanthrene-d10	17.545	188	1785491	20.000	ng	0.00
76) Chrysene-d12	21.627	240	1267694	20.000	ng	0.00
86) Perylene-d12	24.210	264	1175397	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	3516604	153.273	ng	0.00
7) Phenol-d6	7.305	99	4099504	132.761	ng	0.00
23) Nitrobenzene-d5	9.334	82	2757733	117.360	ng	0.00
42) 2,4,6-Tribromophenol	16.281	330	1795561	204.698	ng	0.00
45) 2-Fluorobiphenyl	13.422	172	6196789	97.266	ng	0.00
79) Terphenyl-d14	20.080	244	8199969	116.367	ng	0.00
Target Compounds						Qvalue
48) 2-Nitroaniline	13.863	65	62465	10.350	ng	98
50) Dimethylphthalate	14.239	163	256568	3.947	ng	99
51) 2,6-Dinitrotoluene	14.351	165	35443	7.654	ng	99
53) 3-Nitroaniline	14.681	138	83732	10.521	ng	91
56) 4-Nitrophenol	14.981	139	196046	21.841	ng	97
57) 2,4-Dinitrotoluene	15.139	165	131447	12.973	ng	97
60) Diethylphthalate	15.598	149	413726	6.516	ng	99
62) 4-Nitroaniline	15.845	138	318362	24.830	ng	98
65) 4,6-Dinitro-2-methylph...	15.898	198	20153	8.331	ng	# 58
66) n-Nitrosodiphenylamine	16.045	169	146542	2.517	ng	97
70) Pentachlorophenol	17.186	266	51346	8.690	ng	96
71) Phenanthrene	17.586	178	515746	5.192	ng	99
72) Anthracene	17.680	178	563065	5.584	ng	99
73) Carbazole	17.939	167	1871471	20.654	ng	100
74) Di-n-butylphthalate	18.480	149	2769682	27.464	ng	100
75) Fluoranthene	19.539	202	2540326	24.046	ng	98
78) Pyrene	19.886	202	2978654	30.729	ng	100
80) Butylbenzylphthalate	20.751	149	4807576	155.776	ng	96
81) Benzo(a)anthracene	21.610	228	5551315	62.858	ng	99
83) Chrysene	21.668	228	5805441	68.728	ng	100
84) Bis(2-ethylhexyl)phtha...	21.516	149	5014646	101.528	ng	99
85) Di-n-octyl phthalate	22.504	149	1395042	17.519	ng	97
88) Benzo(b)fluoranthene	23.410	252	599920	8.297	ng	100
89) Benzo(k)fluoranthene	23.462	252	548372	7.436	ng	99
90) Benzo(a)pyrene	24.092	252	282256	4.024	ng	99

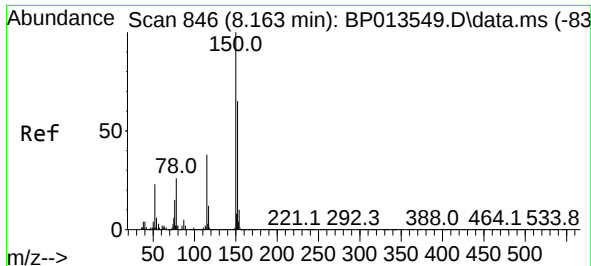
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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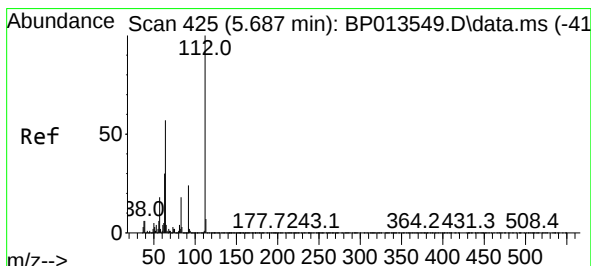
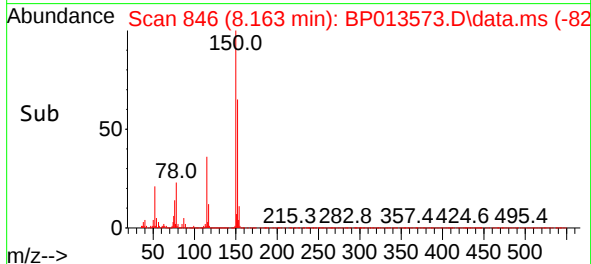
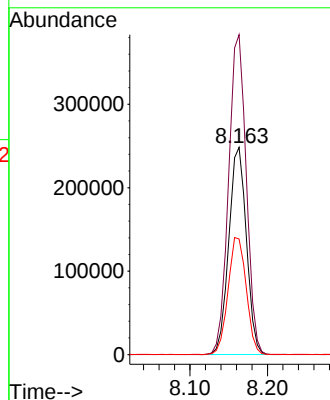
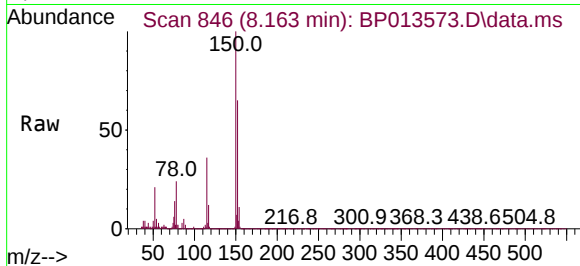




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 846
Delta R.T. -0.001 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

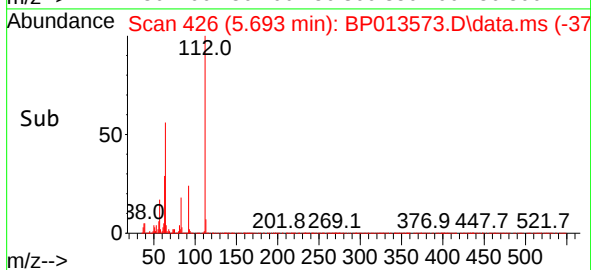
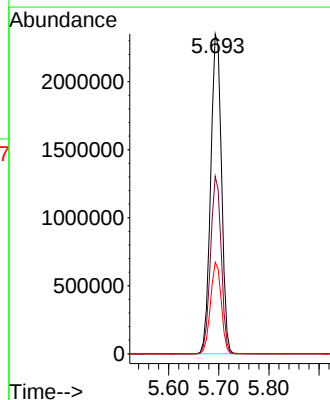
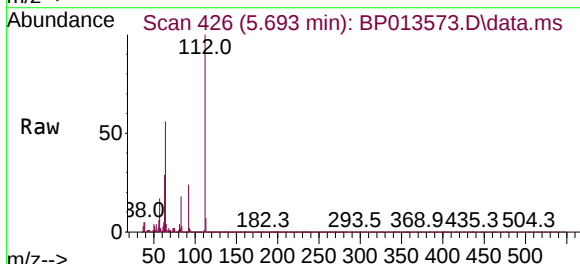
Instrument :
BNA_P
ClientSampleId :
BORING-1

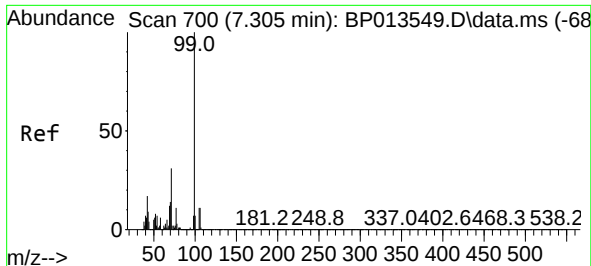
Tgt Ion:152 Resp: 393102
Ion Ratio Lower Upper
152 100
150 154.3 122.4 183.6
115 55.8 46.1 69.1



#5
2-Fluorophenol
Concen: 153.273 ng
RT: 5.693 min Scan# 426
Delta R.T. 0.006 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

Tgt Ion:112 Resp: 3516604
Ion Ratio Lower Upper
112 100
64 55.5 45.4 68.0
63 28.6 24.1 36.1

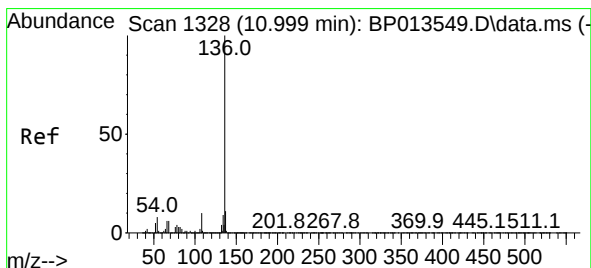
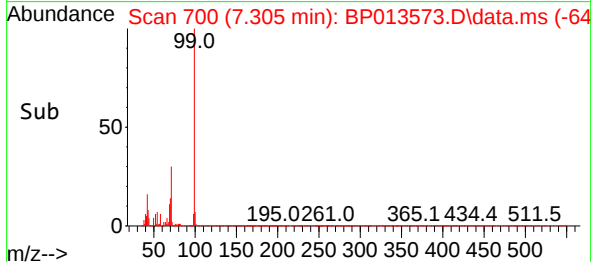
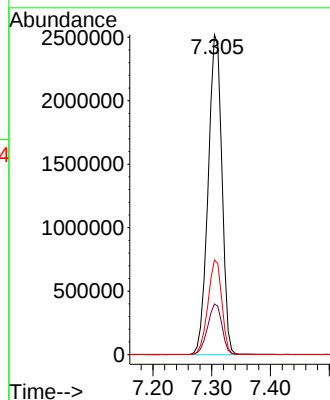
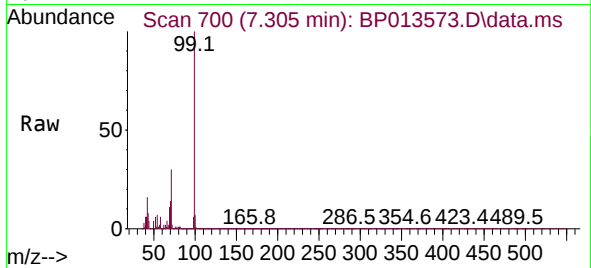




#7
Phenol-d6
Concen: 132.761 ng
RT: 7.305 min Scan# 700
Delta R.T. 0.006 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

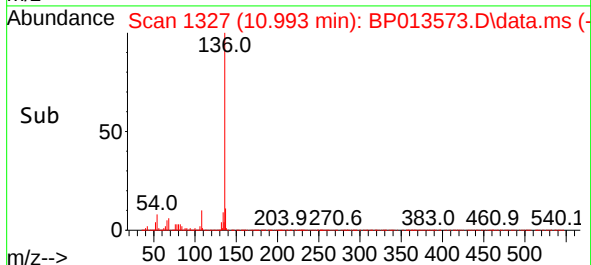
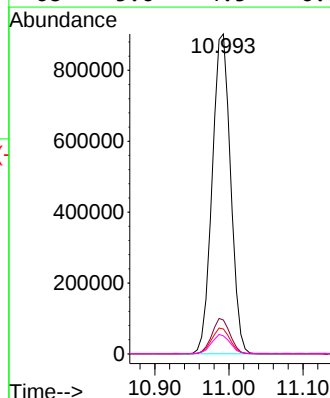
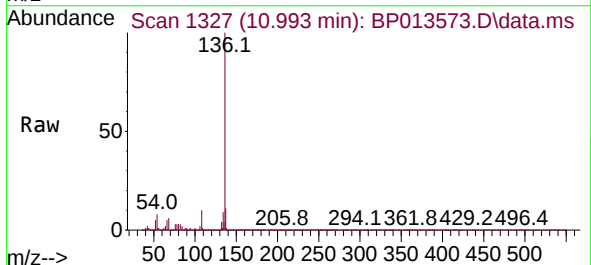
Instrument :
BNA_P
ClientSampleId :
BORING-1

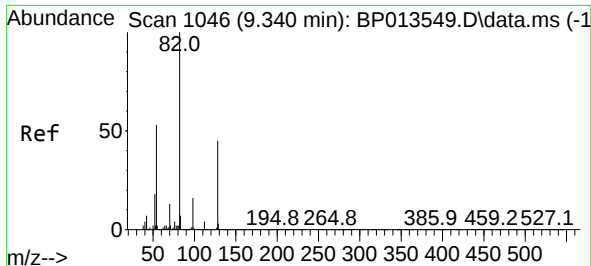
Tgt Ion: 99 Resp: 4099504
Ion Ratio Lower Upper
99 100
42 15.8 14.0 21.0
71 29.6 24.7 37.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.993 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

Tgt Ion: 136 Resp: 1551263
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 7.8 6.6 9.8
68 5.6 4.5 6.7

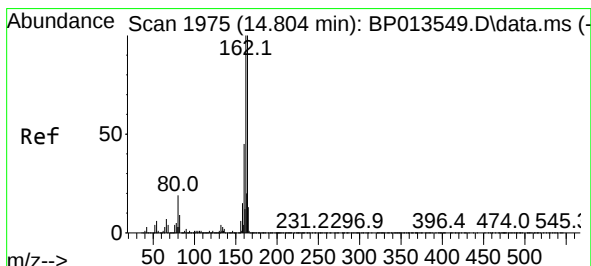
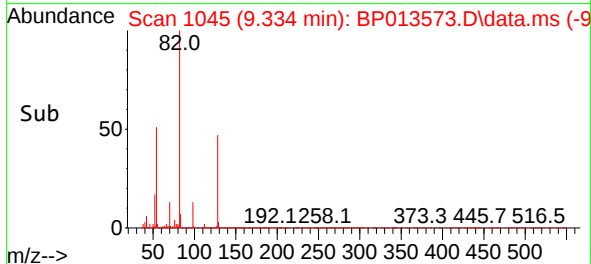
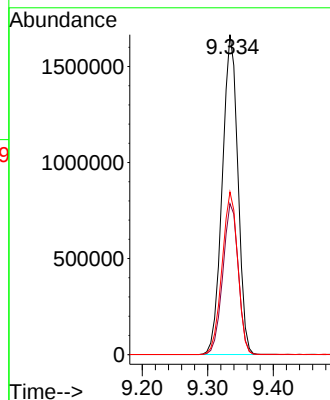
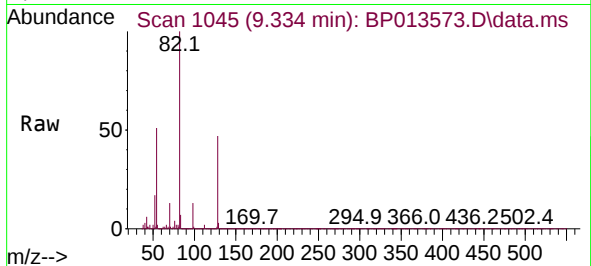




#23
Nitrobenzene-d5
Concen: 117.360 ng
RT: 9.334 min Scan# 1045
Delta R.T. -0.000 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

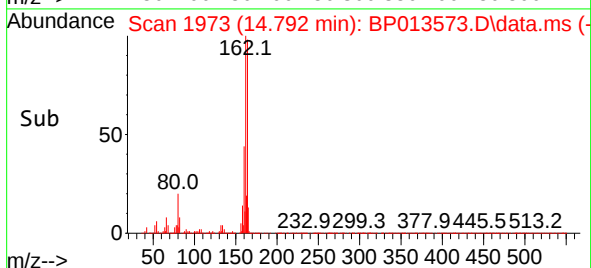
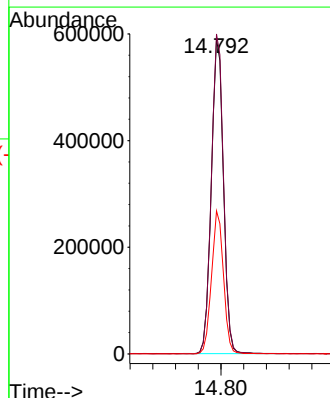
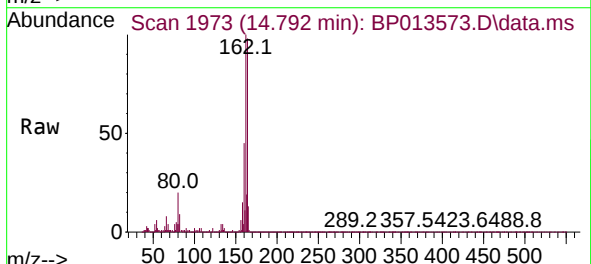
Instrument :
BNA_P
ClientSampleId :
BORING-1

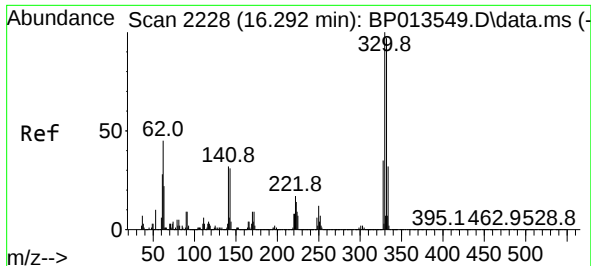
Tgt Ion: 82 Resp: 2757733
Ion Ratio Lower Upper
82 100
128 47.2 35.8 53.6
54 50.8 42.6 64.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.792 min Scan# 1973
Delta R.T. -0.006 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

Tgt Ion:164 Resp: 874512
Ion Ratio Lower Upper
164 100
162 101.6 80.1 120.1
160 45.4 35.9 53.9

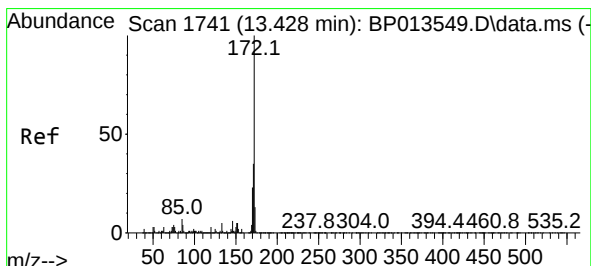
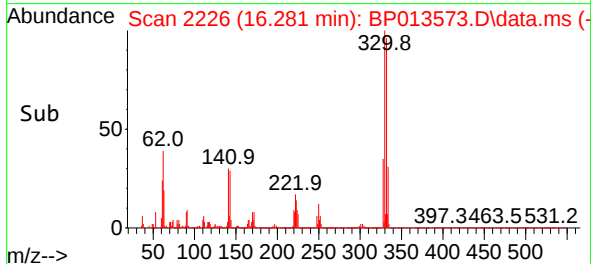
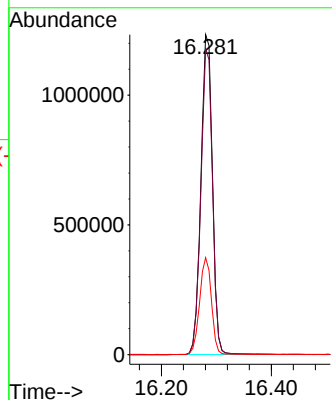
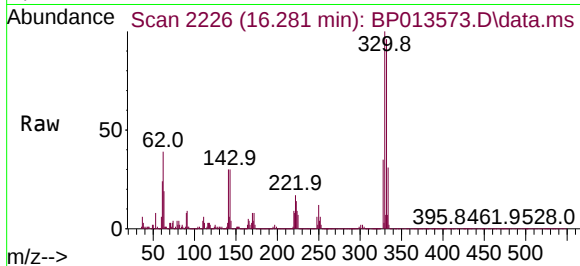




#42
2,4,6-Tribromophenol
Concen: 204.698 ng
RT: 16.281 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

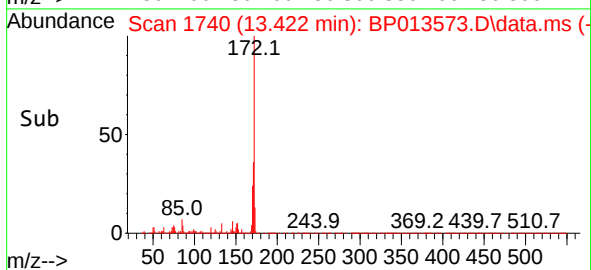
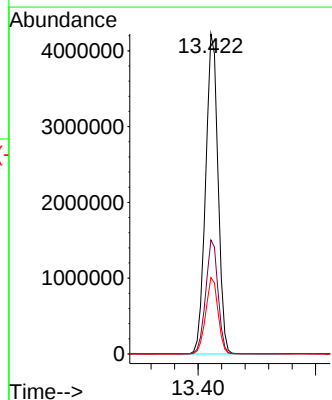
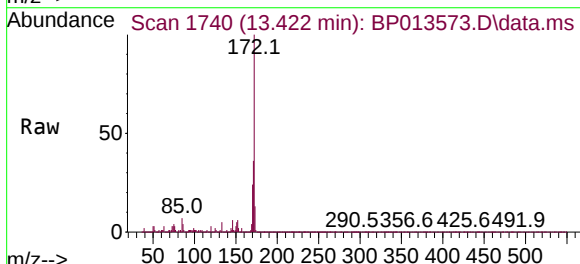
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BNA_P
ClientSampleId :
BORING-1

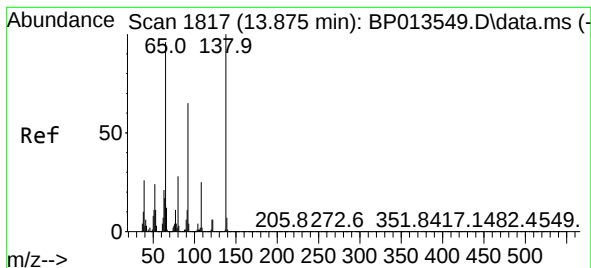
Tgt Ion:330 Resp: 1795561
Ion Ratio Lower Upper
330 100
332 95.8 77.4 116.2
141 30.8 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 97.266 ng
RT: 13.422 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

Tgt Ion:172 Resp: 6196789
Ion Ratio Lower Upper
172 100
171 35.6 27.8 41.8
170 23.9 18.6 27.8





#48

2-Nitroaniline

Concen: 10.350 ng

RT: 13.863 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

Instrument :

BNA_P

ClientSampleId :

BORING-1

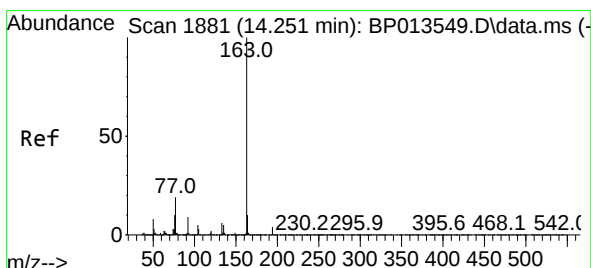
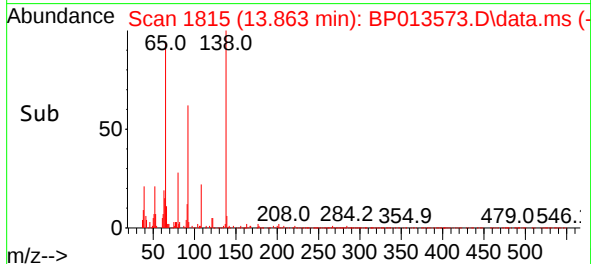
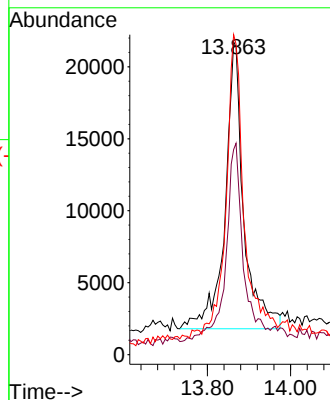
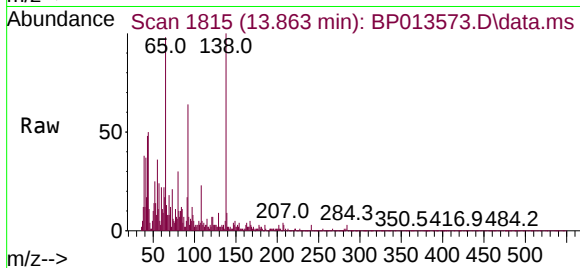
Tgt Ion: 65 Resp: 62465

Ion Ratio Lower Upper

65 100

92 65.6 54.1 81.1

138 102.3 83.6 125.4



#50

Dimethylphthalate

Concen: 3.947 ng

RT: 14.239 min Scan# 1879

Delta R.T. -0.006 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

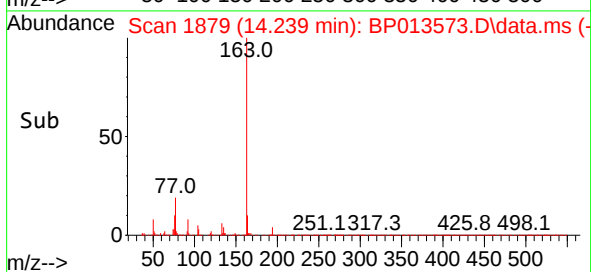
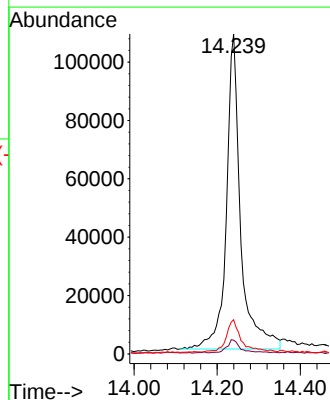
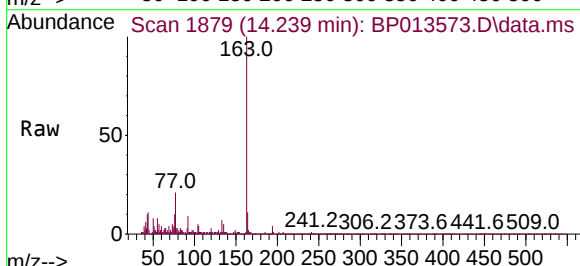
Tgt Ion: 163 Resp: 256568

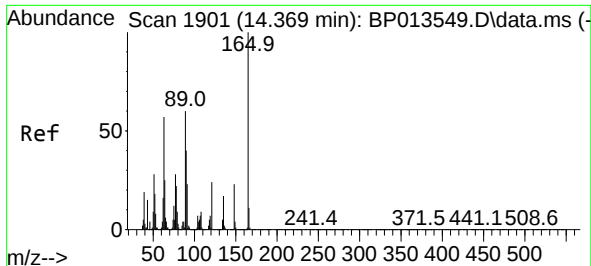
Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

164 10.7 8.1 12.1

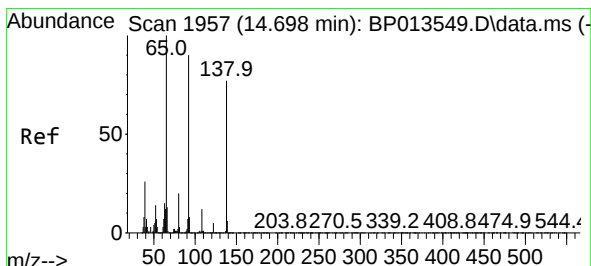
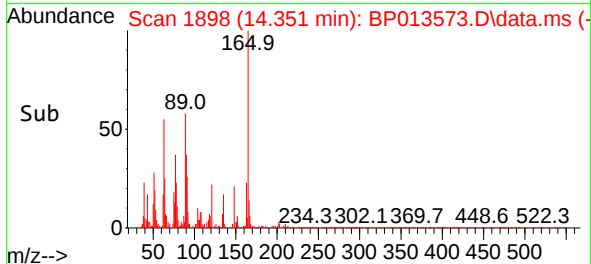
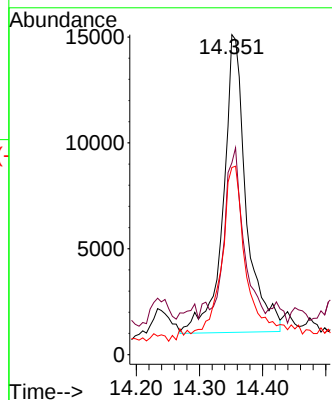
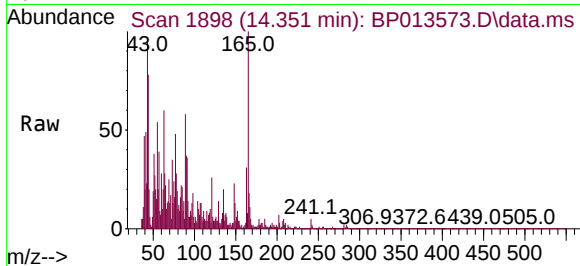




#51
2,6-Dinitrotoluene
Concen: 7.654 ng
RT: 14.351 min Scan# 1898
Delta R.T. -0.012 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

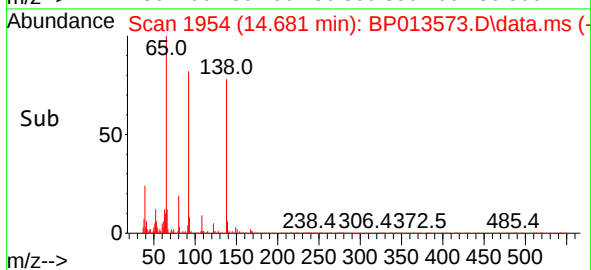
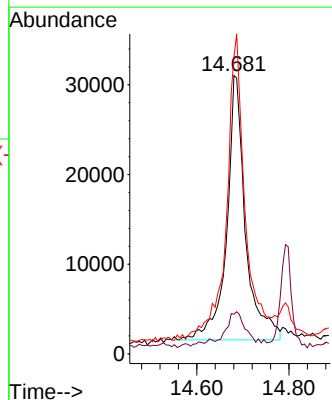
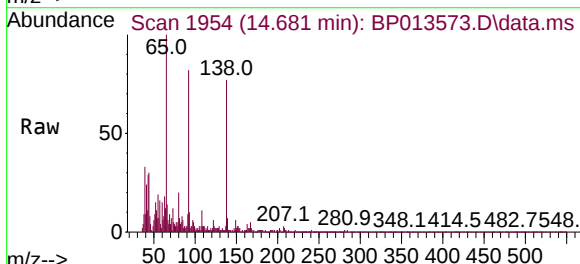
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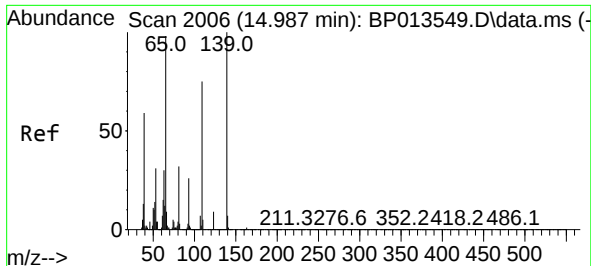
Tgt Ion:165 Resp: 35443
Ion Ratio Lower Upper
165 100
63 59.9 47.2 70.8
89 58.5 47.8 71.6



#53
3-Nitroaniline
Concen: 10.521 ng
RT: 14.681 min Scan# 1954
Delta R.T. -0.012 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

Tgt Ion:138 Resp: 83732
Ion Ratio Lower Upper
138 100
108 14.3 12.8 19.2
92 106.6 93.3 139.9

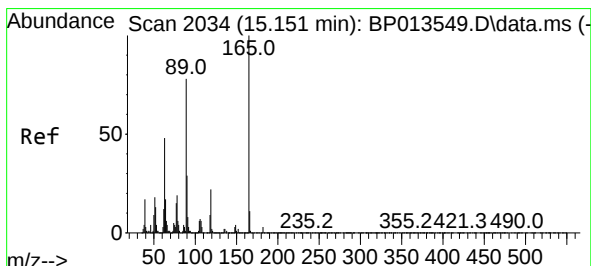
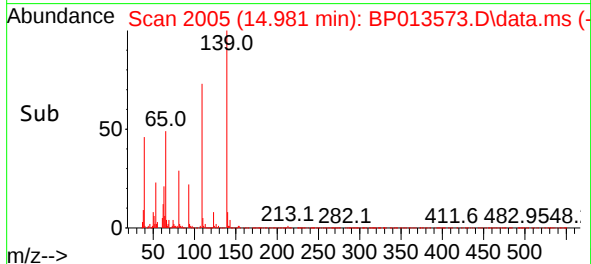
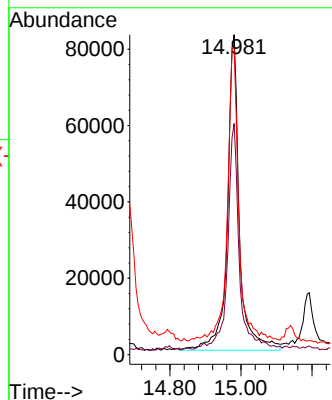
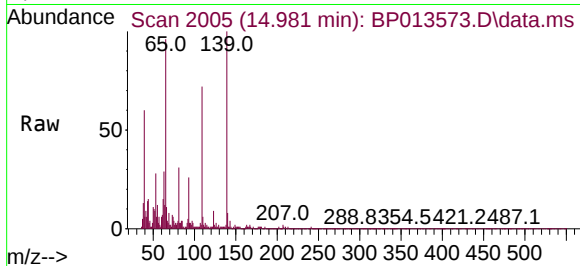




#56
4-Nitrophenol
Concen: 21.841 ng
RT: 14.981 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

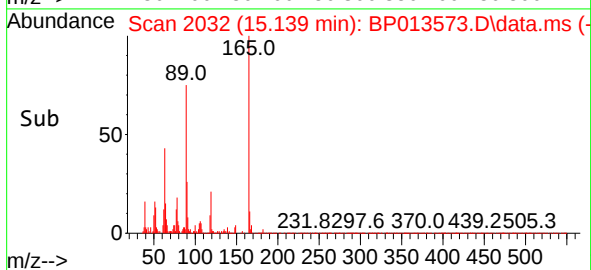
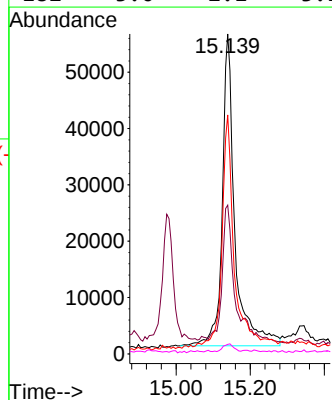
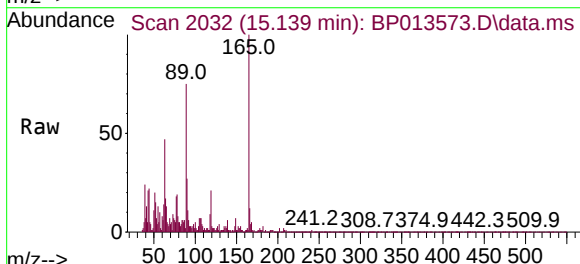
Instrument :
BNA_P
ClientSampleId :
BORING-1

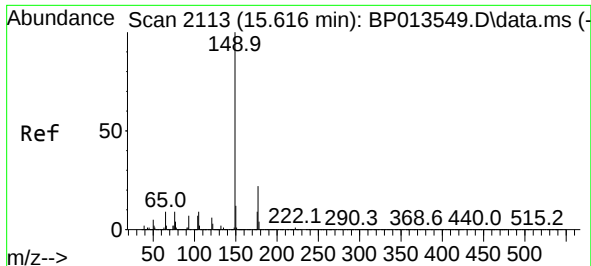
Tgt Ion:139 Resp: 196046
Ion Ratio Lower Upper
139 100
109 72.2 55.0 95.0
65 95.6 77.7 117.7



#57
2,4-Dinitrotoluene
Concen: 12.973 ng
RT: 15.139 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

Tgt Ion:165 Resp: 131447
Ion Ratio Lower Upper
165 100
63 46.5 38.3 57.5
89 74.7 62.1 93.1
182 3.0 2.1 3.1

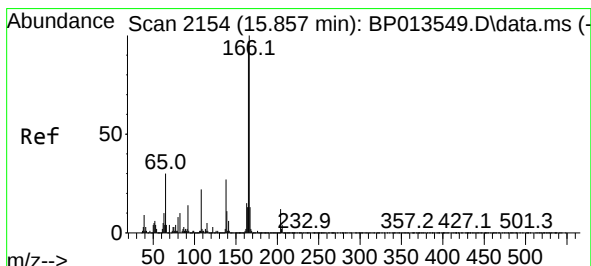
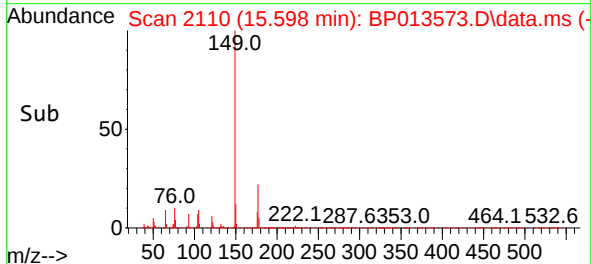
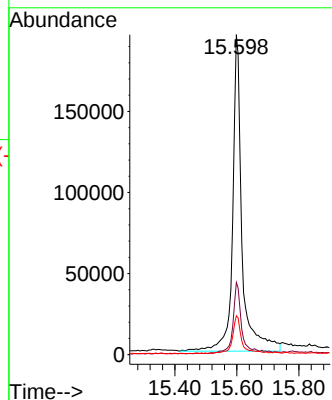
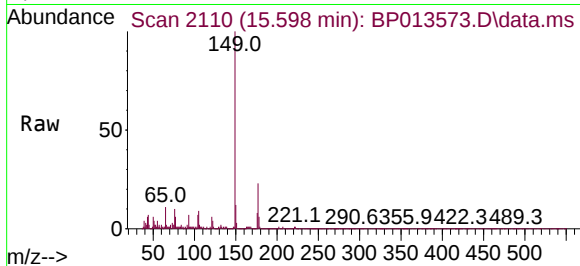




#60
Diethylphthalate
Concen: 6.516 ng
RT: 15.598 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

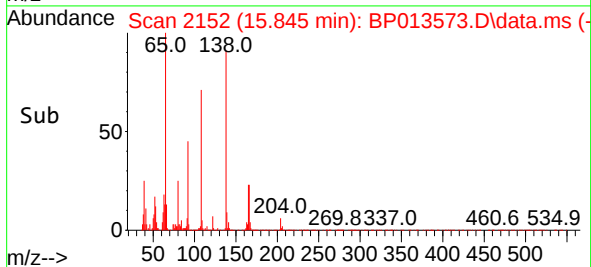
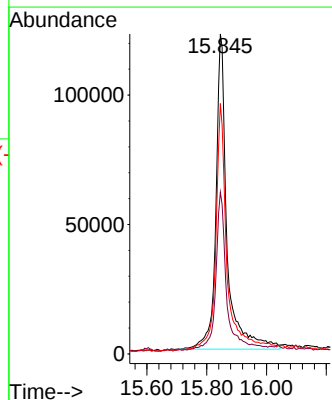
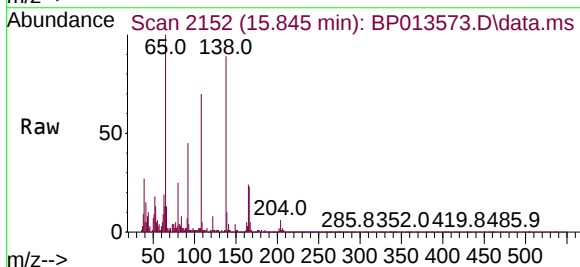
Instrument :
BNA_P
ClientSampleId :
BORING-1

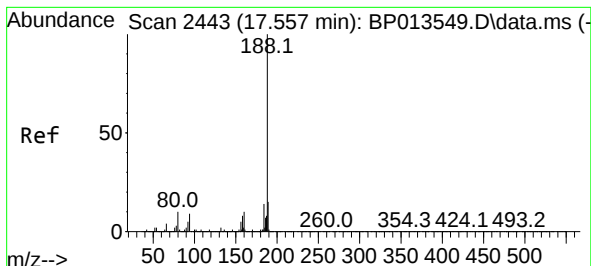
Tgt Ion:149 Resp: 413726
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.6
150 12.1 9.8 14.6



#62
4-Nitroaniline
Concen: 24.830 ng
RT: 15.845 min Scan# 2152
Delta R.T. -0.012 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

Tgt Ion:138 Resp: 318362
Ion Ratio Lower Upper
138 100
92 50.5 32.3 72.3
108 78.2 59.2 99.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.545 min Scan# 2443

Delta R.T. -0.006 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

Instrument :

BNA_P

ClientSampleId :

BORING-1

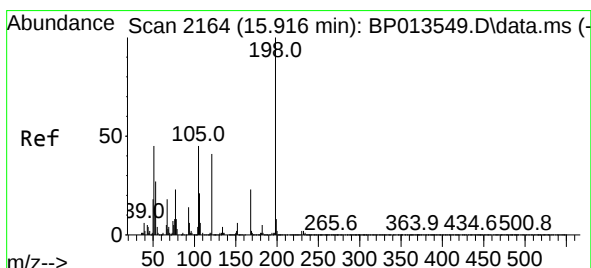
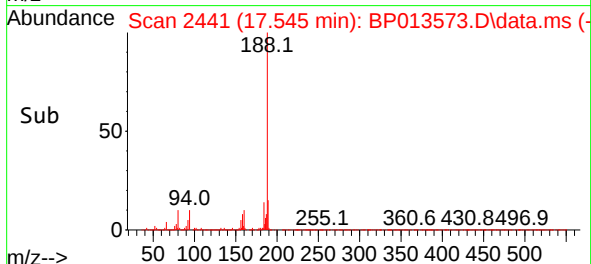
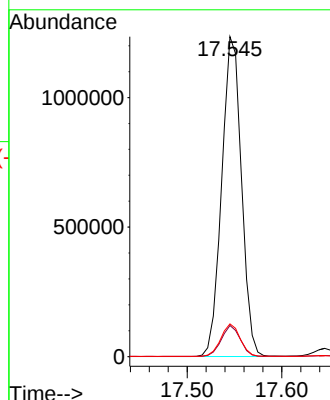
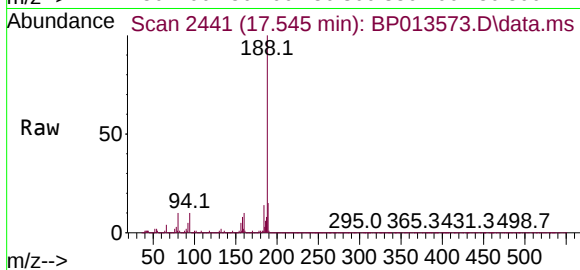
Tgt Ion:188 Resp: 1785491

Ion Ratio Lower Upper

188 100

94 9.7 7.2 10.8

80 10.2 8.2 12.2



#65

4,6-Dinitro-2-methylphenol

Concen: 8.331 ng

RT: 15.898 min Scan# 2161

Delta R.T. -0.012 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

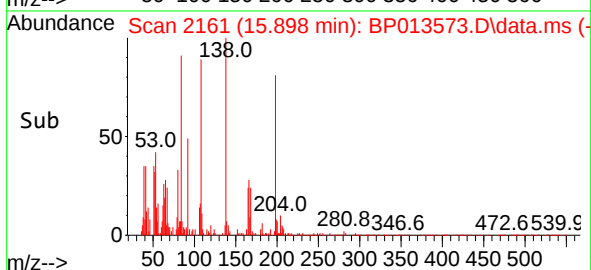
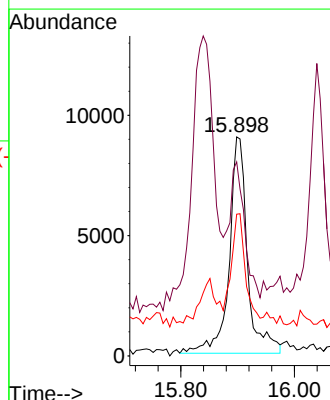
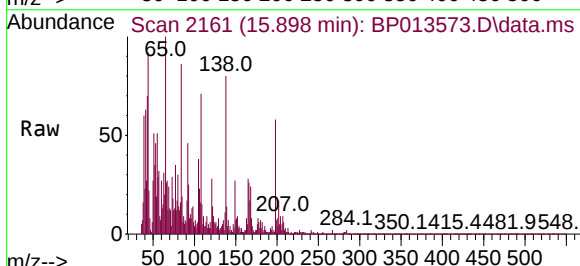
Tgt Ion:198 Resp: 20153

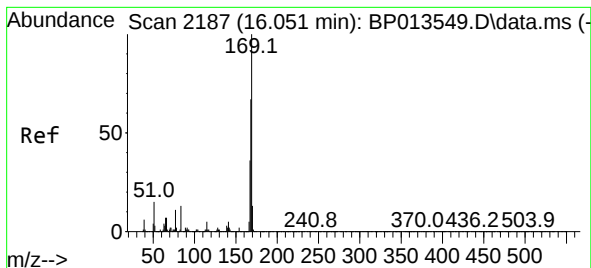
Ion Ratio Lower Upper

198 100

51 88.6 30.4 70.4#

105 64.7 26.4 66.4





#66

n-Nitrosodiphenylamine

Concen: 2.517 ng

RT: 16.045 min Scan# 2187

Delta R.T. -0.000 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

Instrument :

BNA_P

ClientSampleId :

BORING-1

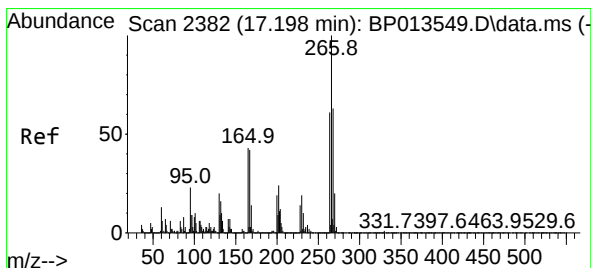
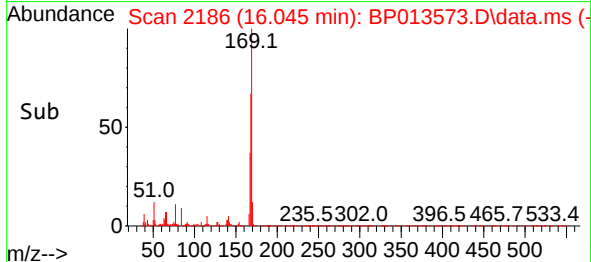
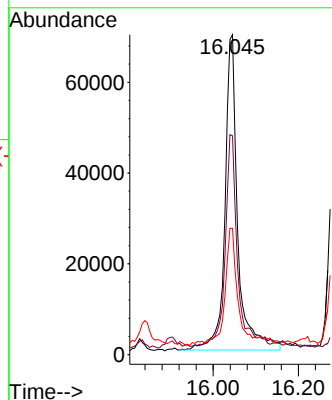
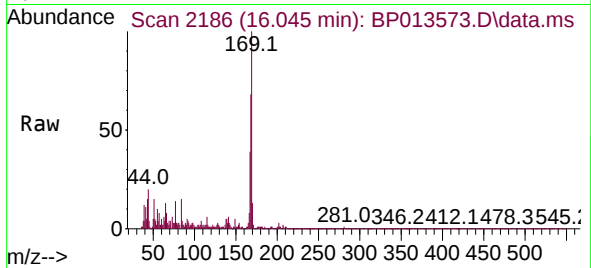
Tgt Ion:169 Resp: 146542

Ion Ratio Lower Upper

169 100

168 68.4 54.0 81.0

167 39.5 29.0 43.6



#70

Pentachlorophenol

Concen: 8.690 ng

RT: 17.186 min Scan# 2380

Delta R.T. -0.006 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

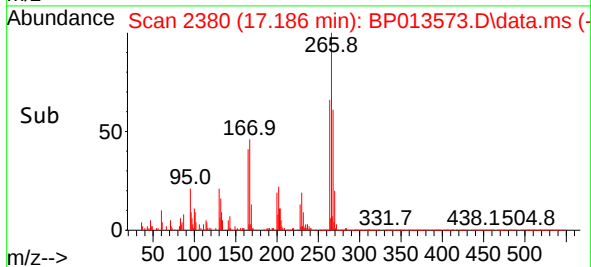
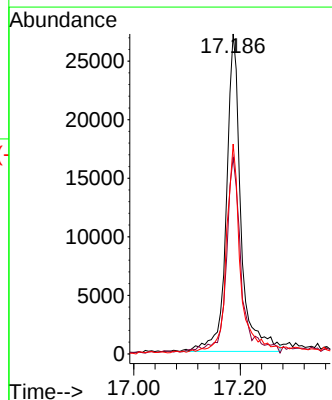
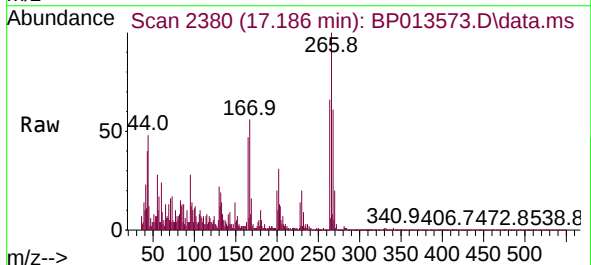
Tgt Ion:266 Resp: 51346

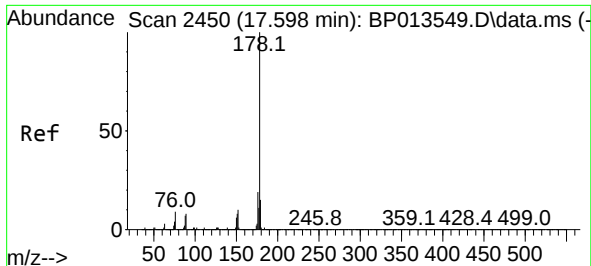
Ion Ratio Lower Upper

266 100

268 61.4 50.7 76.1

264 65.6 48.9 73.3

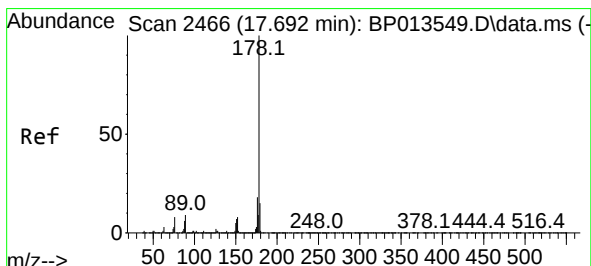
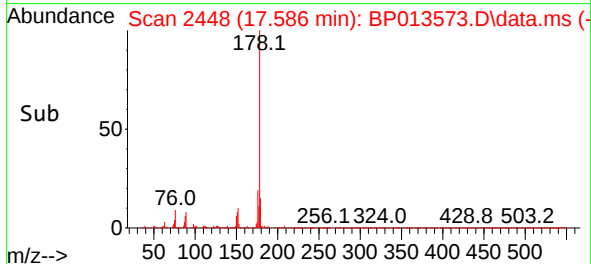
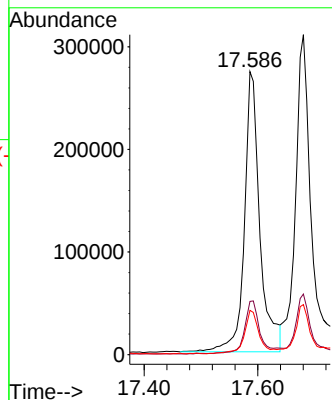
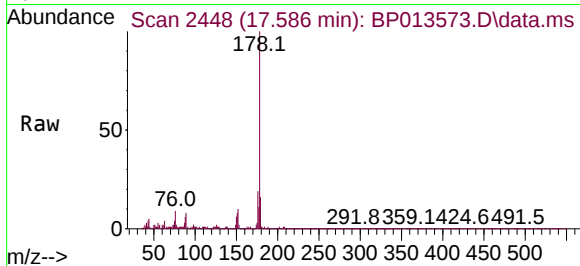




#71
Phenanthrene
Concen: 5.192 ng
RT: 17.586 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

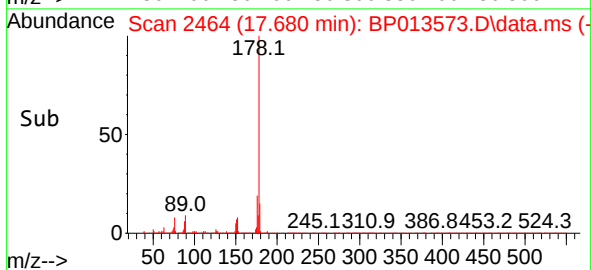
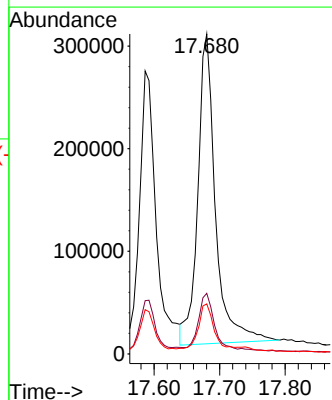
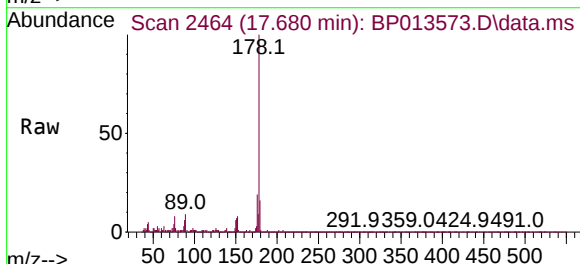
Instrument :
BNA_P
ClientSampleId :
BORING-1

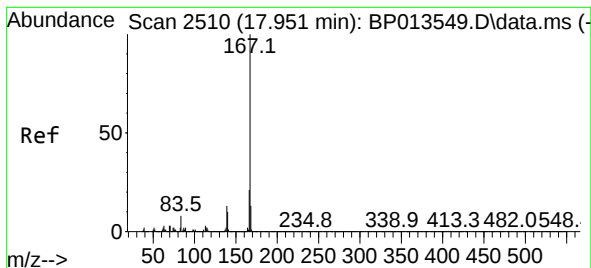
Tgt Ion:178 Resp: 515746
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.6 12.2 18.4



#72
Anthracene
Concen: 5.584 ng
RT: 17.680 min Scan# 2464
Delta R.T. -0.006 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

Tgt Ion:178 Resp: 563065
Ion Ratio Lower Upper
178 100
176 18.9 14.6 22.0
179 15.6 12.3 18.5





#73

Carbazole

Concen: 20.654 ng

RT: 17.939 min Scan# 2510

Delta R.T. -0.006 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

Instrument :

BNA_P

ClientSampleId :

BORING-1

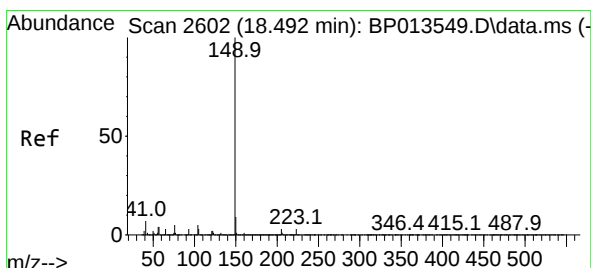
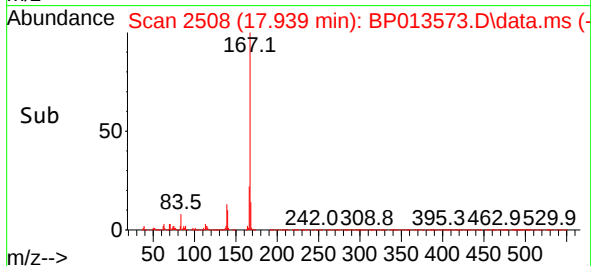
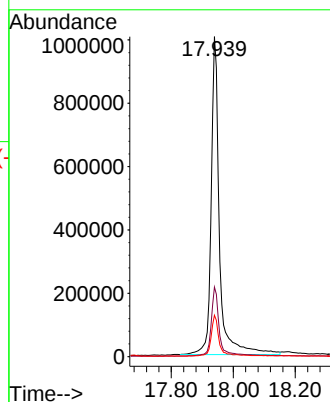
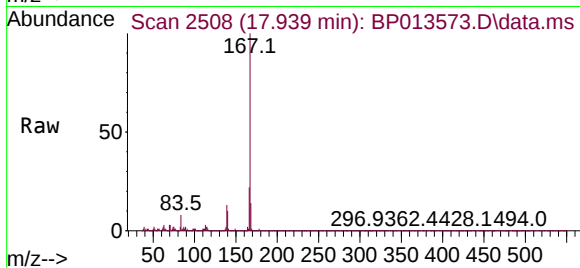
Tgt Ion:167 Resp: 1871471

Ion Ratio Lower Upper

167 100

166 21.7 17.2 25.8

139 13.0 10.3 15.5



#74

Di-n-butylphthalate

Concen: 27.464 ng

RT: 18.480 min Scan# 2600

Delta R.T. -0.006 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

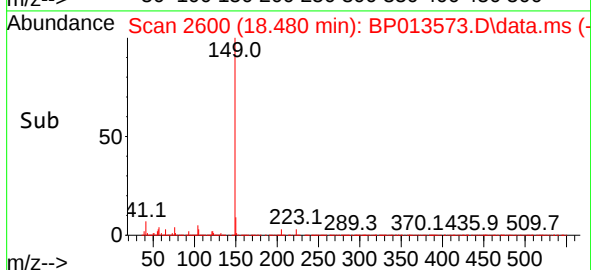
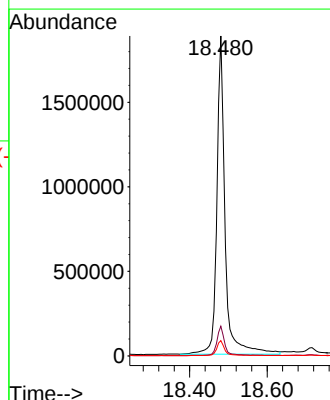
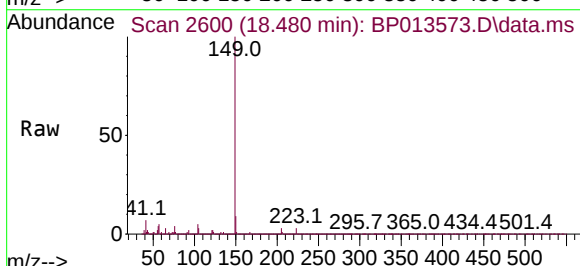
Tgt Ion:149 Resp: 2769682

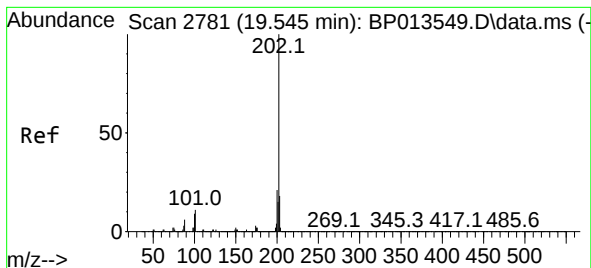
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 4.8 3.9 5.9





#75

Fluoranthene

Concen: 24.046 ng

RT: 19.539 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

Instrument :

BNA_P

ClientSampleId :

BORING-1

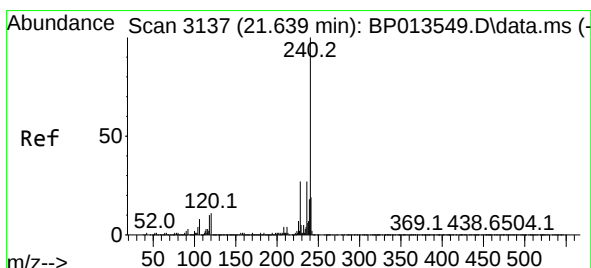
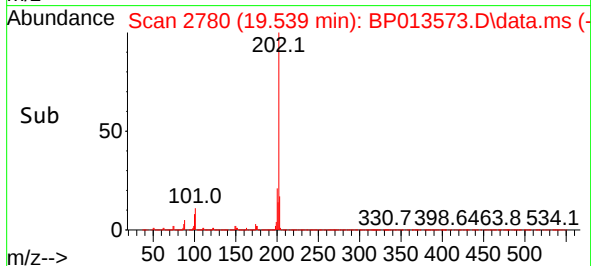
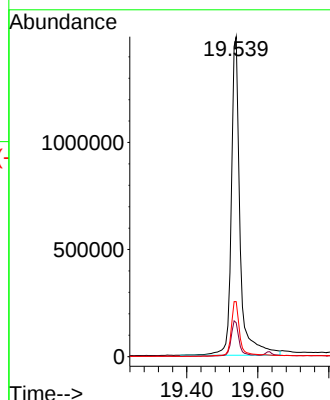
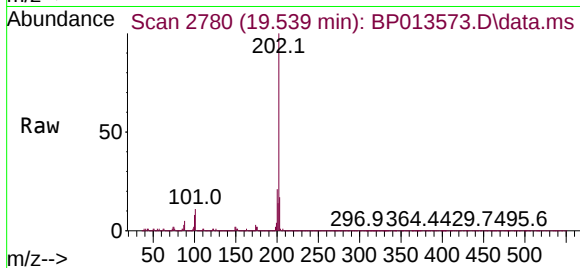
Tgt Ion:202 Resp: 2540326

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.4

203 17.2 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.627 min Scan# 3135

Delta R.T. -0.000 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

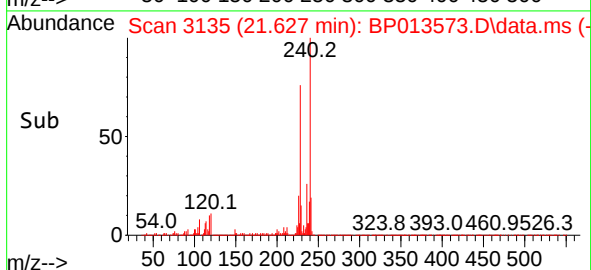
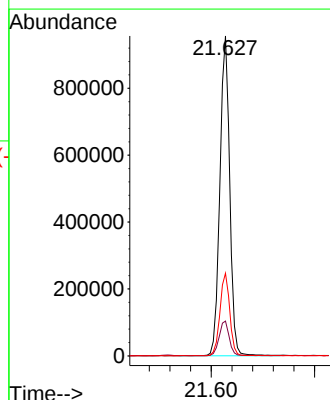
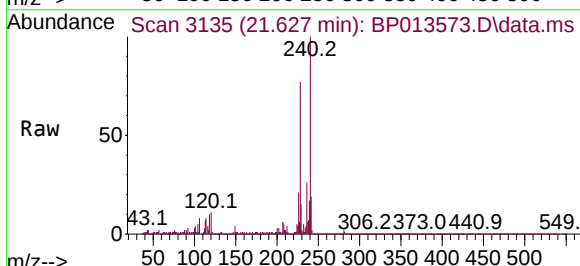
Tgt Ion:240 Resp: 1267694

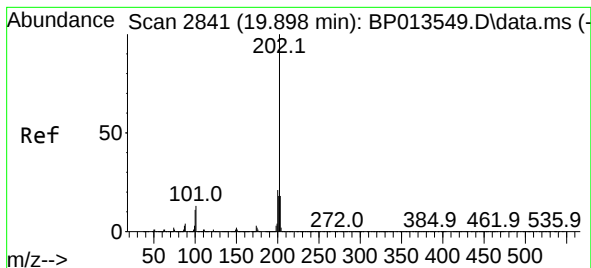
Ion Ratio Lower Upper

240 100

120 10.9 8.6 13.0

236 25.8 21.3 31.9





#78

Pyrene

Concen: 30.729 ng

RT: 19.886 min Scan# 2839

Delta R.T. -0.006 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

Instrument :

BNA_P

ClientSampleId :

BORING-1

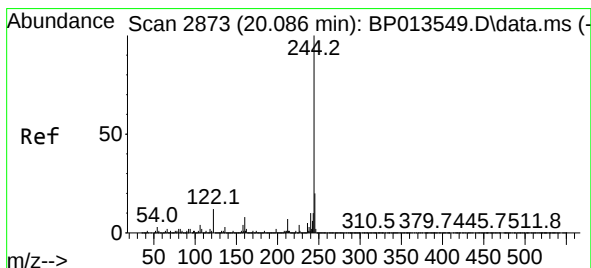
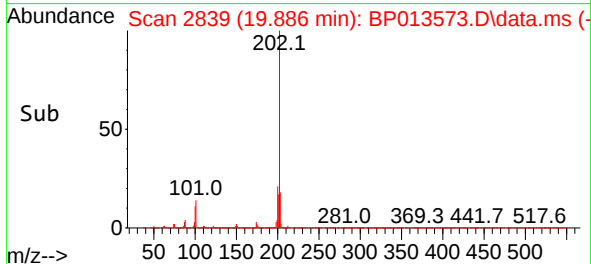
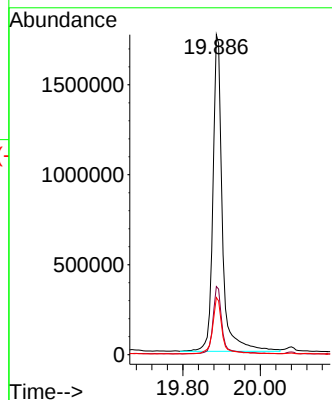
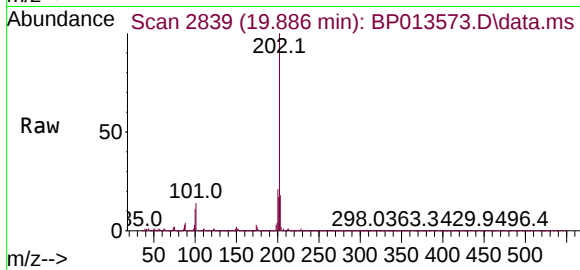
Tgt Ion:202 Resp: 2978654

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

203 17.8 14.2 21.2



#79

Terphenyl-d14

Concen: 116.367 ng

RT: 20.080 min Scan# 2872

Delta R.T. -0.000 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

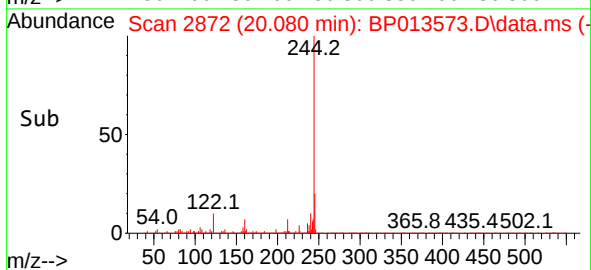
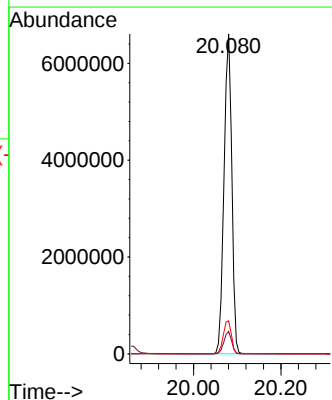
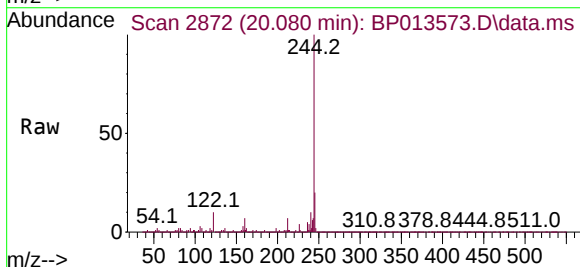
Tgt Ion:244 Resp: 8199969

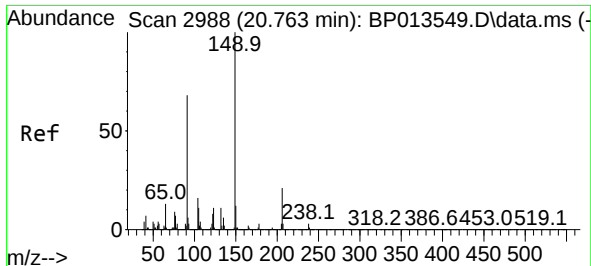
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 10.3 9.2 13.8

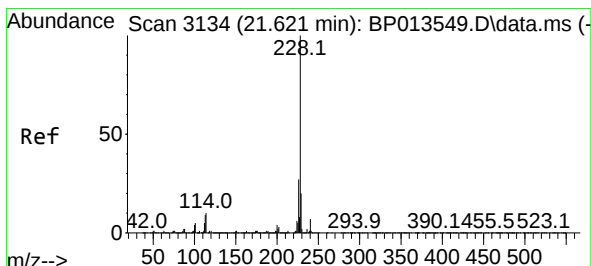
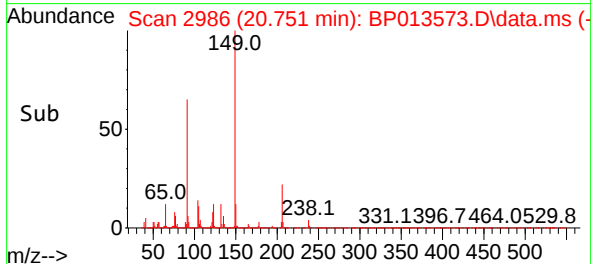
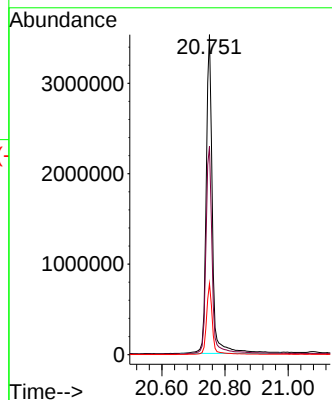
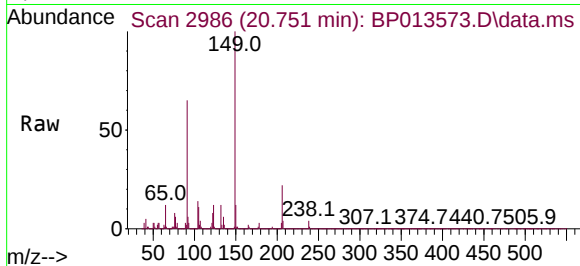




#80
Butylbenzylphthalate
Concen: 155.776 ng
RT: 20.751 min Scan# 2988
Delta R.T. -0.000 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

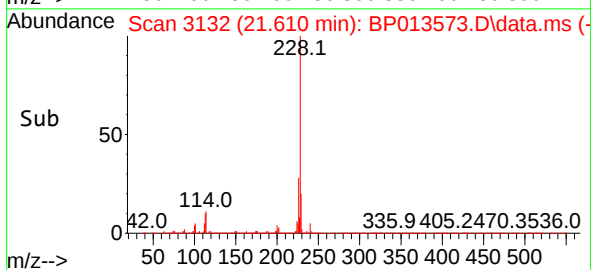
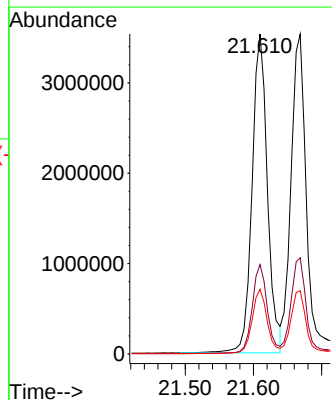
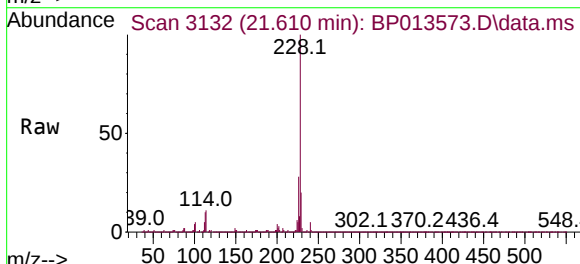
Instrument :
BNA_P
ClientSampleId :
BORING-1

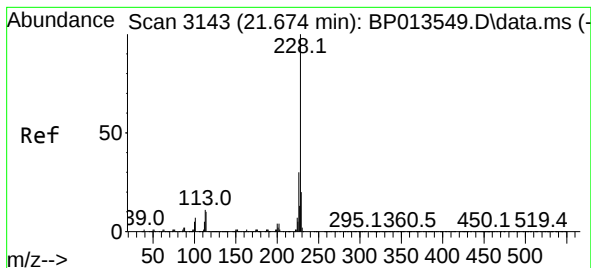
Tgt Ion:149 Resp: 4807576
Ion Ratio Lower Upper
149 100
91 65.1 54.6 81.8
206 22.2 16.7 25.1



#81
Benzo(a)anthracene
Concen: 62.858 ng
RT: 21.610 min Scan# 3132
Delta R.T. -0.000 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

Tgt Ion:228 Resp: 5551315
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 20.2 15.8 23.6





#83

Chrysene

Concen: 68.728 ng

RT: 21.668 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

Instrument :

BNA_P

ClientSampleId :

BORING-1

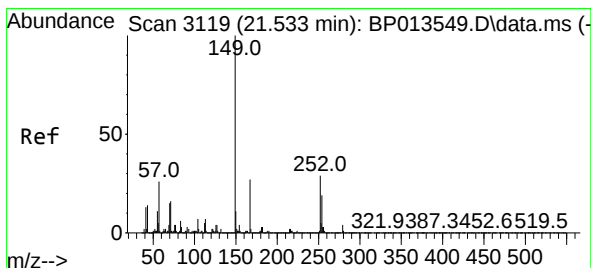
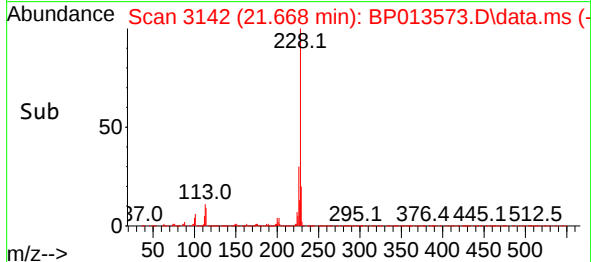
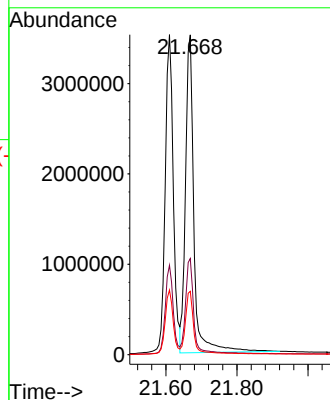
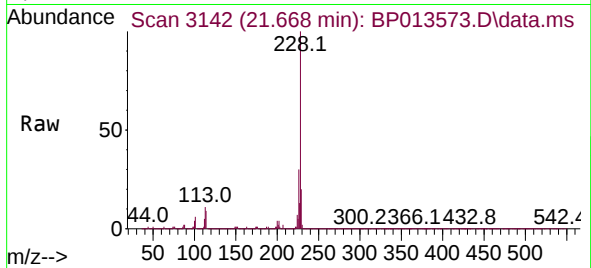
Tgt Ion:228 Resp: 5805441

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 19.8 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 101.528 ng

RT: 21.516 min Scan# 3116

Delta R.T. -0.000 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

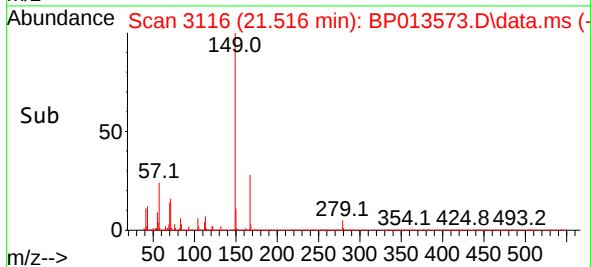
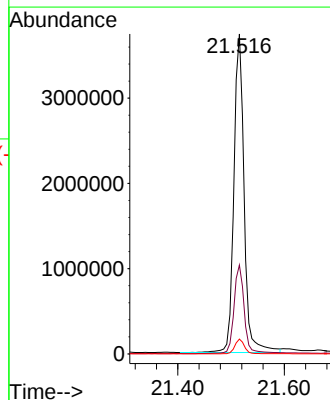
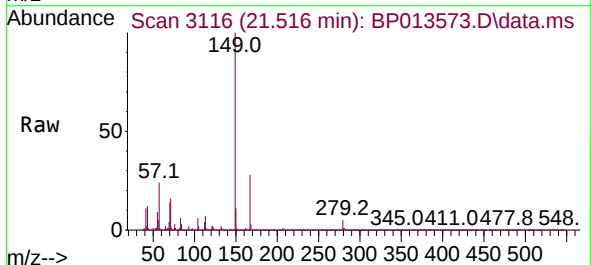
Tgt Ion:149 Resp: 5014646

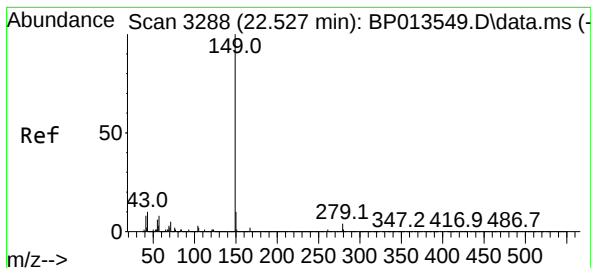
Ion Ratio Lower Upper

149 100

167 27.8 22.0 33.0

279 4.6 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 17.519 ng

RT: 22.504 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

Instrument :

BNA_P

ClientSampleId :

BORING-1

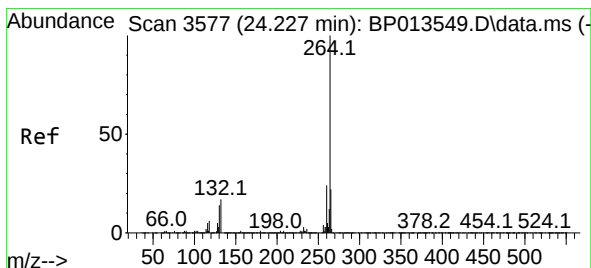
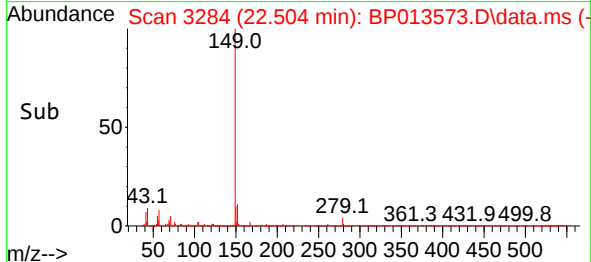
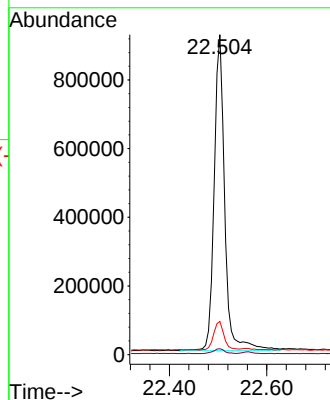
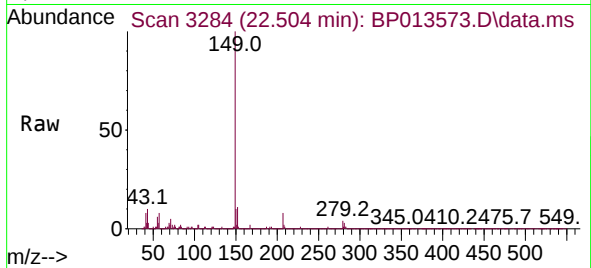
Tgt Ion:149 Resp: 1395042

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 8.9 8.2 12.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.210 min Scan# 3574

Delta R.T. -0.006 min

Lab File: BP013573.D

Acq: 24 Jan 2023 16:28

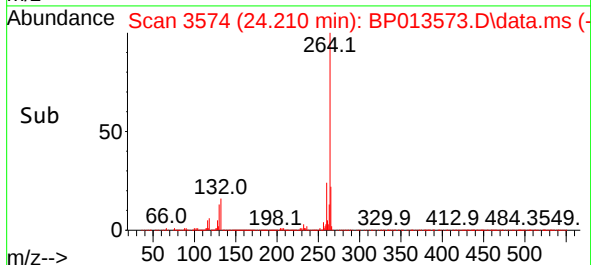
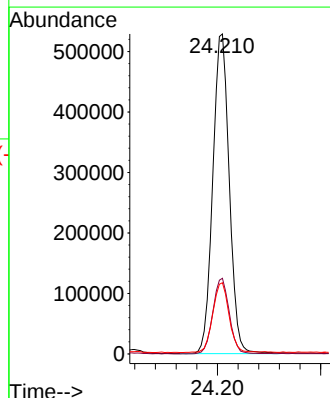
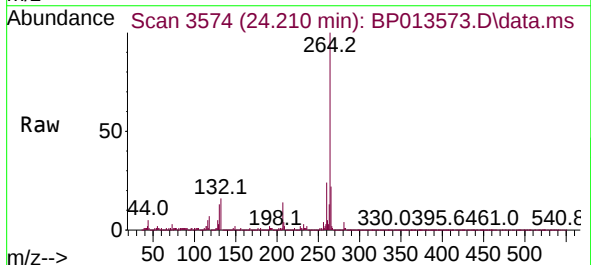
Tgt Ion:264 Resp: 1175397

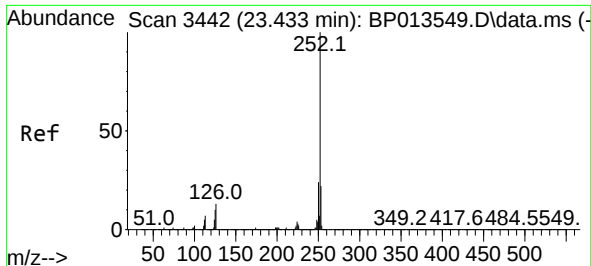
Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 22.2 17.4 26.2

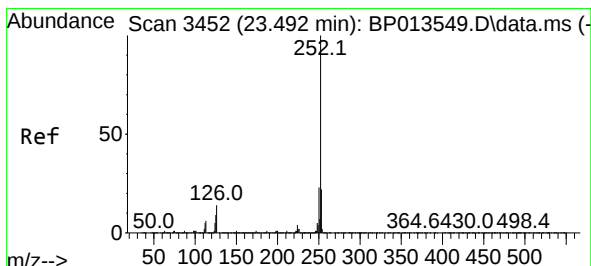
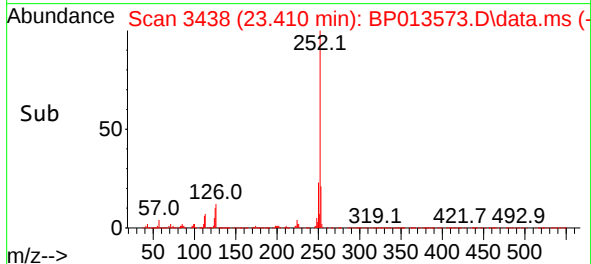
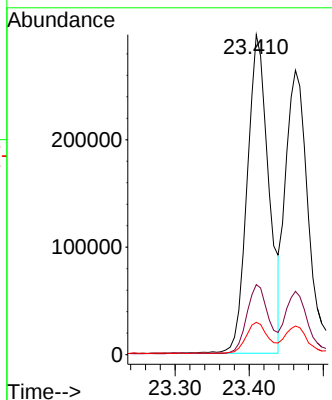
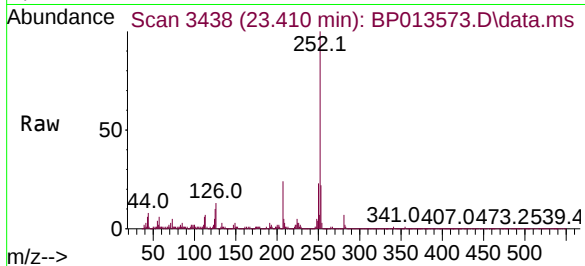




#88
Benzo(b)fluoranthene
Concen: 8.297 ng
RT: 23.410 min Scan# 3442
Delta R.T. -0.012 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

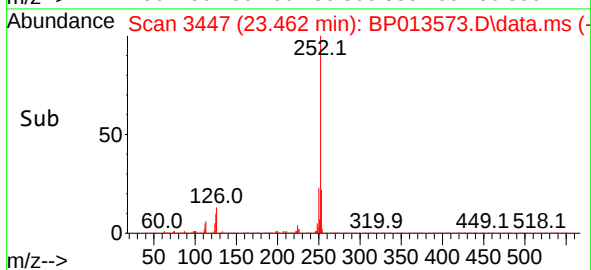
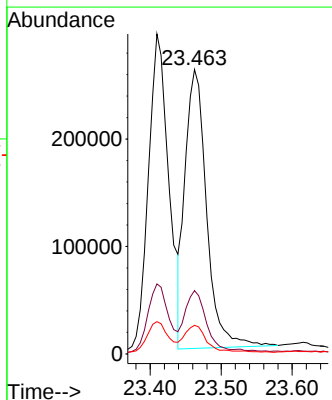
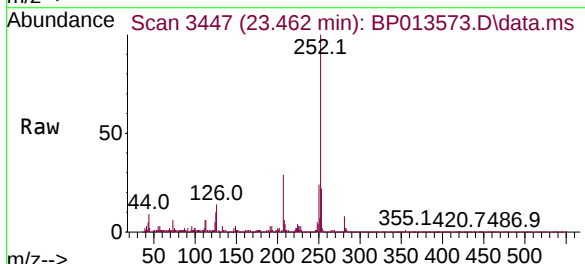
Instrument :
BNA_P
ClientSampleId :
BORING-1

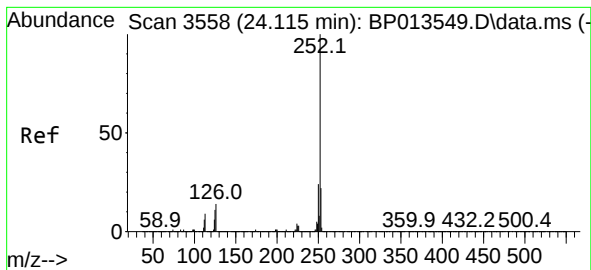
Tgt Ion:252	Resp:	599920
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.5 26.3
125	10.1	8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 7.436 ng
RT: 23.462 min Scan# 3447
Delta R.T. -0.012 min
Lab File: BP013573.D
Acq: 24 Jan 2023 16:28

Tgt Ion:252	Resp:	548372
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.7 26.5
125	10.1	7.5 11.3





#90

Benzo(a)pyrene

Concen: 4.024 ng

RT: 24.092 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP013573.D

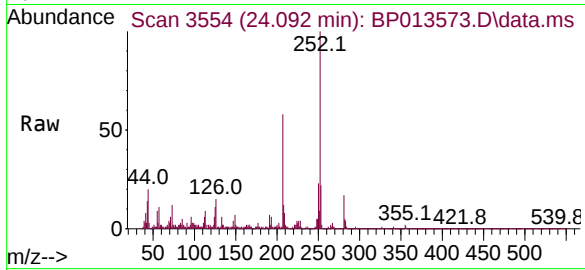
Acq: 24 Jan 2023 16:28

Instrument :

BNA_P

ClientSampleId :

BORING-1



Tgt Ion:252 Resp: 282256

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 11.5 8.9 13.3

