

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
 Data File : BP013852.D
 Acq On : 17 Feb 2023 19:07
 Operator : CG/JU
 Sample : 01586-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-3

Quant Time: Feb 17 22:07:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 18:05:40 2023
 Response via : Initial Calibration

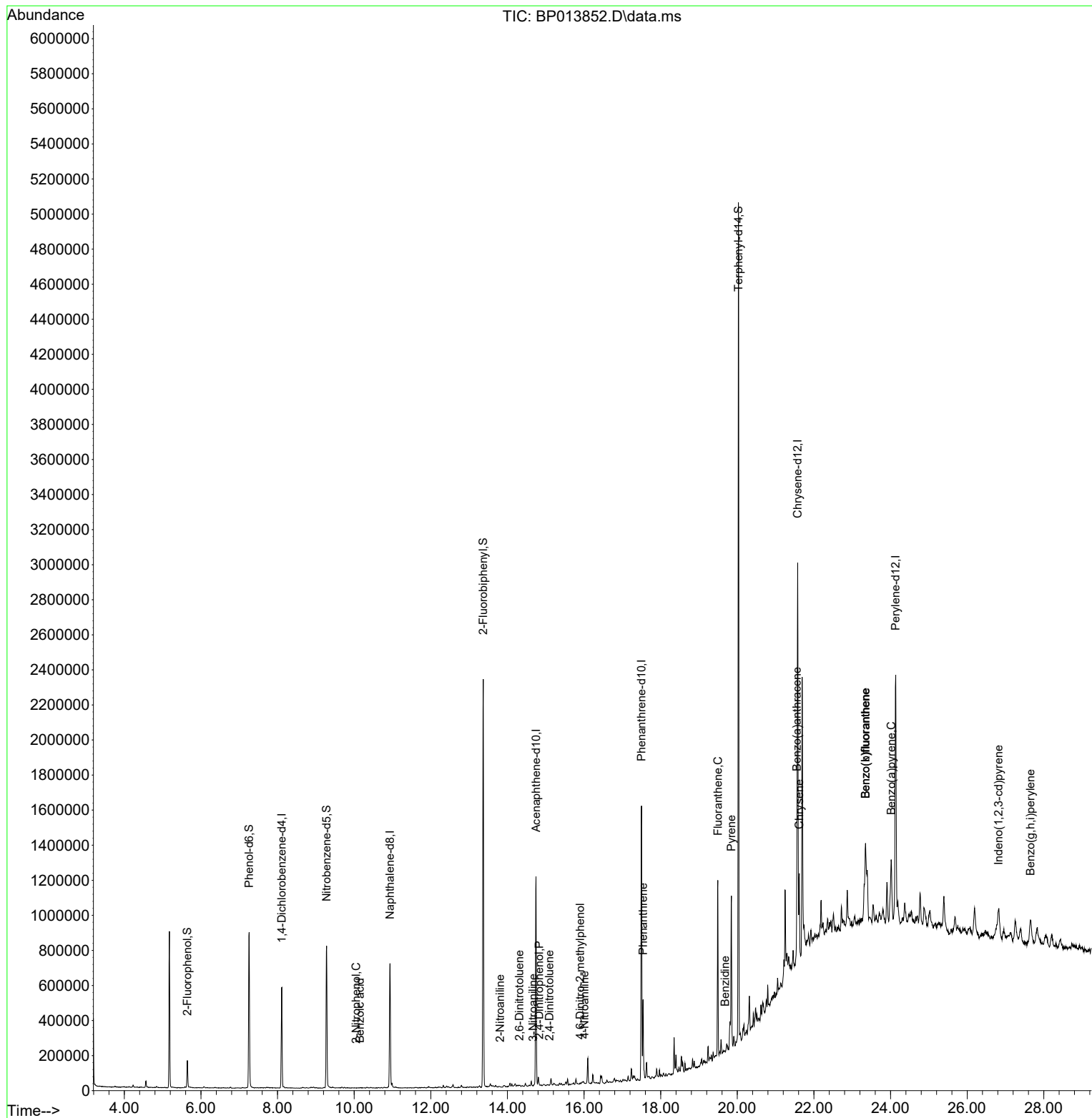
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	159024	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	589976	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	398899	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	953861	20.000	ng	0.00
76) Chrysene-d12	21.574	240	1019288	20.000	ng	0.00
86) Perylene-d12	24.133	264	1159954	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	68466	7.096	ng	0.00
7) Phenol-d6	7.257	99	525293	42.508	ng	0.00
23) Nitrobenzene-d5	9.281	82	490597	44.904	ng	0.00
42) 2,4,6-Tribromophenol	16.228	330	7918	1.364	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1201045	39.547	ng	0.00
79) Terphenyl-d14	20.027	244	2371116	44.757	ng	0.00
Target Compounds						
					Qvalue	
26) 2-Nitrophenol	10.051	139	29	2.773	ng	# 1
32) Benzoic acid	10.151	122	1098	5.217	ng	93
48) 2-Nitroaniline	13.804	65	192	3.256	ng	# 18
51) 2,6-Dinitrotoluene	14.310	165	98	2.001	ng	# 27
53) 3-Nitroaniline	14.669	138	163	2.029	ng	# 76
54) 2,4-Dinitrophenol	14.828	184	18	5.266	ng	# 1
57) 2,4-Dinitrotoluene	15.092	165	409	2.322	ng	# 69
62) 4-Nitroaniline	16.010	138	72	2.556	ng	94
65) 4,6-Dinitro-2-methylph...	15.898	198	33	4.628	ng	# 1
71) Phenanthrene	17.539	178	273218	5.113	ng	99
75) Fluoranthene	19.492	202	583968	8.766	ng	99
77) Benzidine	19.680	184	814	2.320	ng	# 1
78) Pyrene	19.845	202	529170	7.597	ng	100
81) Benzo(a)anthracene	21.557	228	319511	4.377	ng	98
83) Chrysene	21.616	228	298832	4.226	ng	98
87) Indeno(1,2,3-cd)pyrene	26.821	276	200009	2.217	ng	95
88) Benzo(b)fluoranthene	23.345	252	411013	5.603	ng	# 92
89) Benzo(k)fluoranthene	23.345	252	411013	5.519	ng	# 92
90) Benzo(a)pyrene	24.015	252	267230	3.768	ng	# 93
92) Benzo(g,h,i)perylene	27.651	276	206778	2.766	ng	95

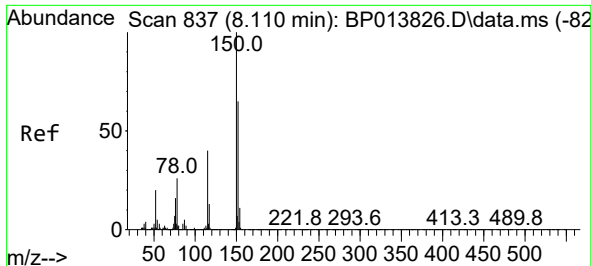
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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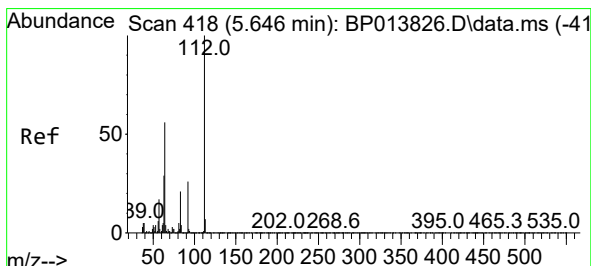
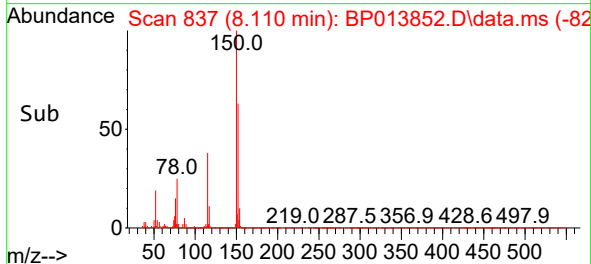
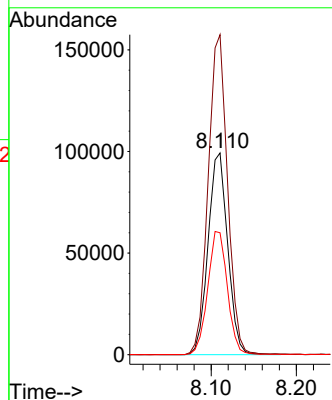
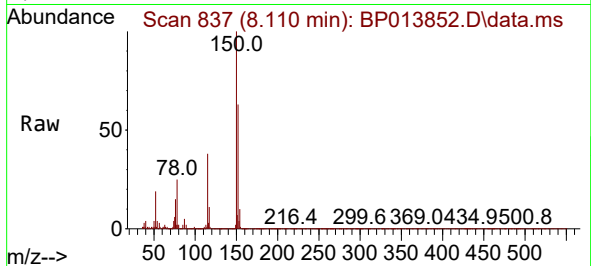




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

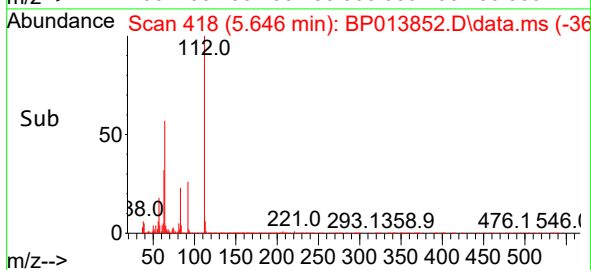
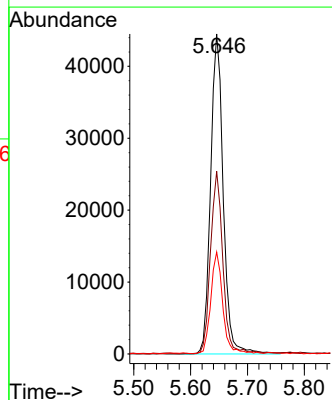
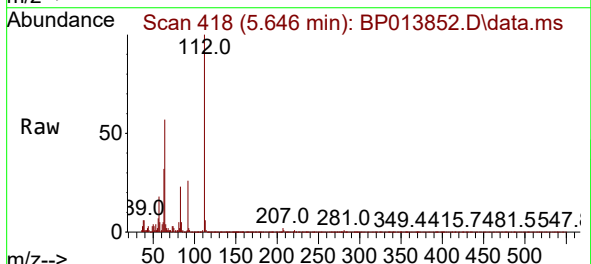
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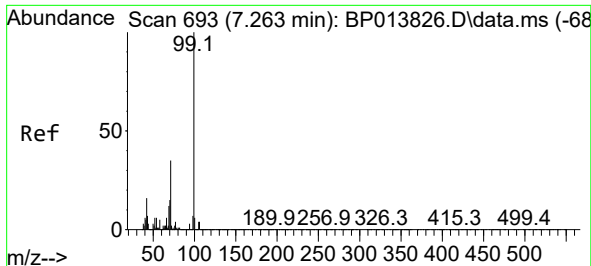
Tgt Ion:152 Resp: 159024
Ion Ratio Lower Upper
152 100
150 158.6 122.8 184.2
115 60.4 49.0 73.6



#5
2-Fluorophenol
Concen: 7.096 ng
RT: 5.646 min Scan# 418
Delta R.T. 0.000 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Tgt Ion:112 Resp: 68466
Ion Ratio Lower Upper
112 100
64 57.1 44.6 66.8
63 31.8 23.6 35.4

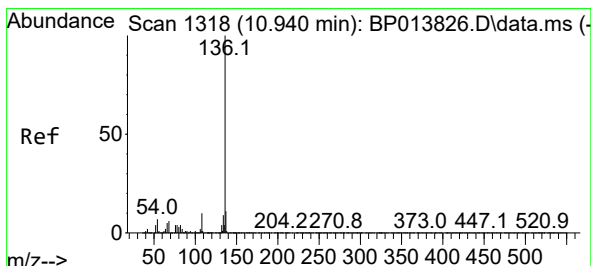
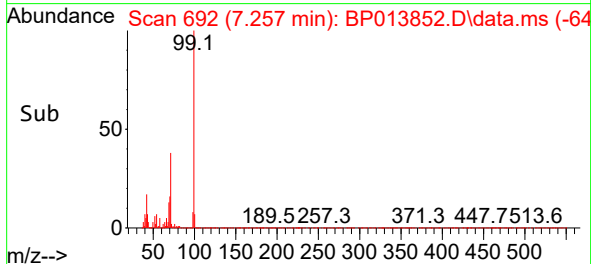
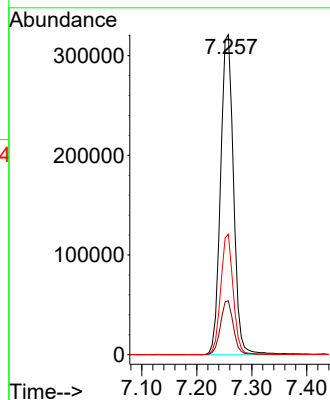
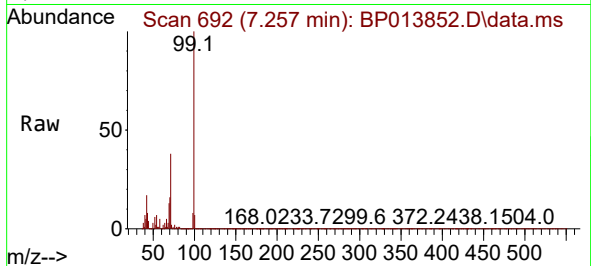




#7
Phenol-d6
Concen: 42.508 ng
RT: 7.257 min Scan# 691
Delta R.T. -0.006 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

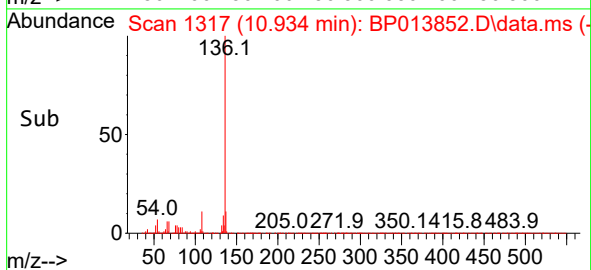
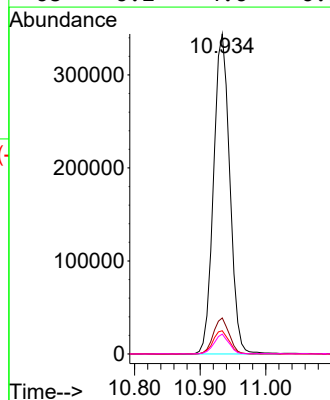
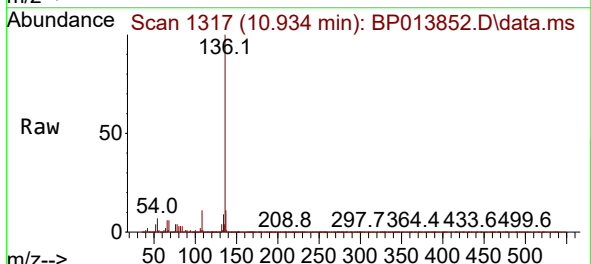
Instrument :
BNA_P
ClientSampleId :
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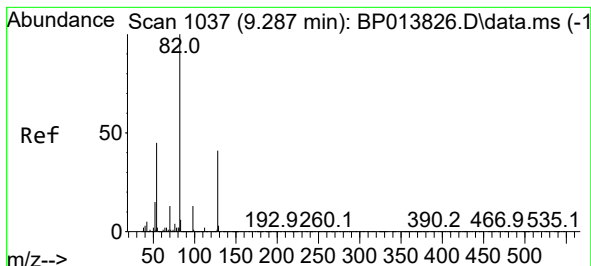
Tgt Ion: 99 Resp: 525293
Ion Ratio Lower Upper
99 100
42 16.9 12.5 18.7
71 37.7 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Tgt Ion: 136 Resp: 589976
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 7.3 5.8 8.6
68 6.2 4.6 6.8

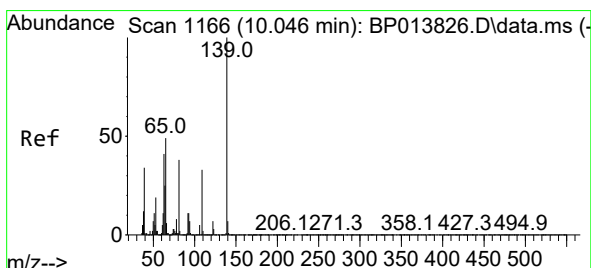
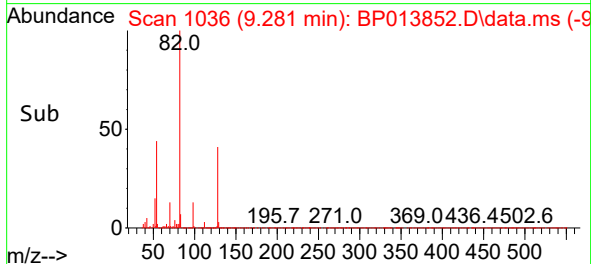
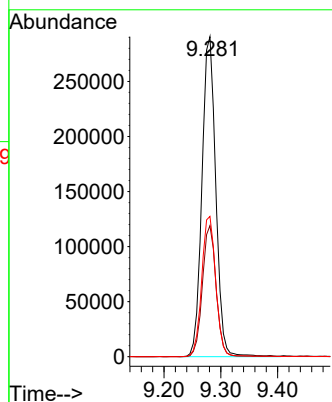
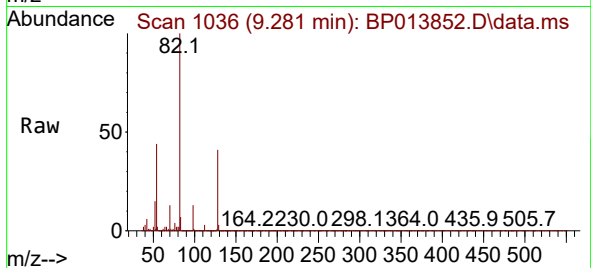




#23
Nitrobenzene-d5
Concen: 44.904 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

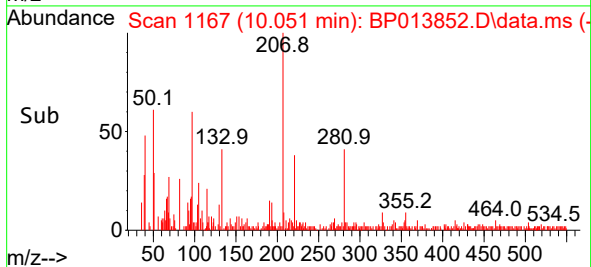
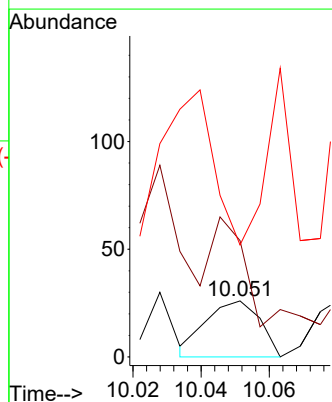
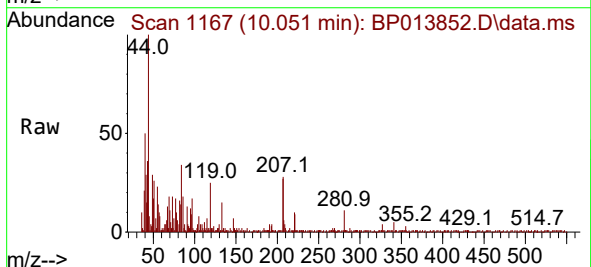
Instrument :
BNA_P
ClientSampleId :
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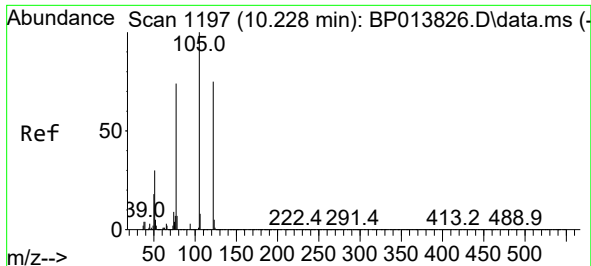
Tgt Ion: 82 Resp: 490597
Ion Ratio Lower Upper
82 100
128 41.0 32.9 49.3
54 43.8 35.6 53.4



#26
2-Nitrophenol
Concen: 2.773 ng
RT: 10.051 min Scan# 1167
Delta R.T. 0.005 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Tgt Ion:139 Resp: 29
Ion Ratio Lower Upper
139 100
109 207.7 26.7 40.1#
65 200.0 39.4 59.2#

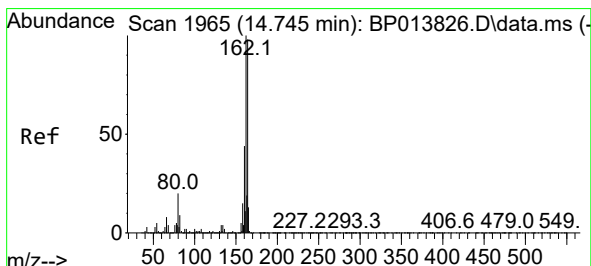
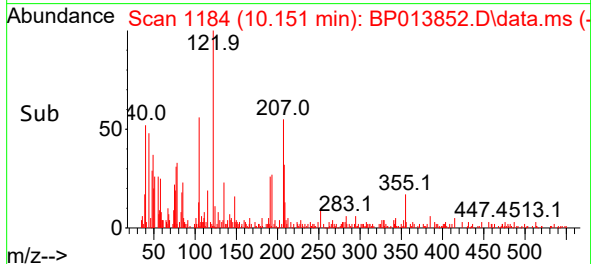
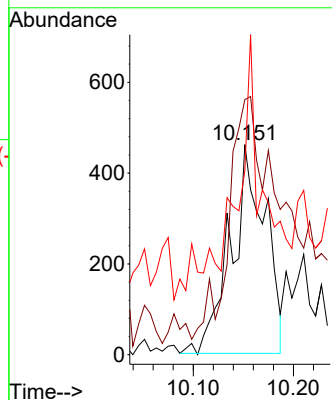
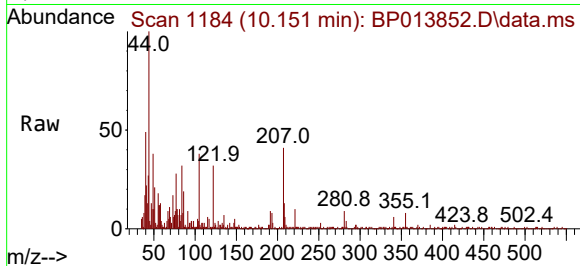




#32
Benzoic acid
Concen: 5.217 ng
RT: 10.151 min Scan# 1184
Delta R.T. -0.077 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

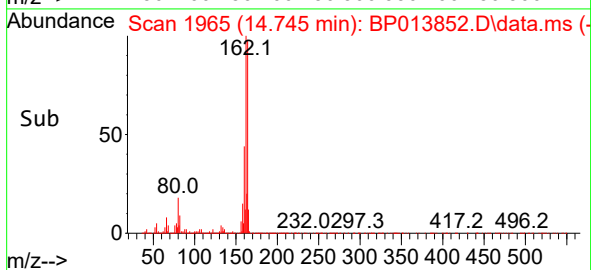
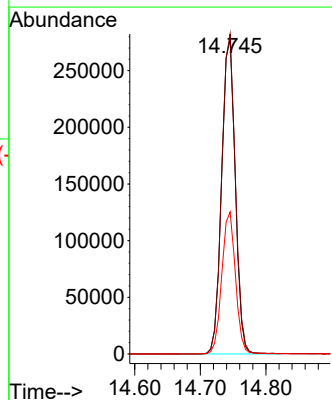
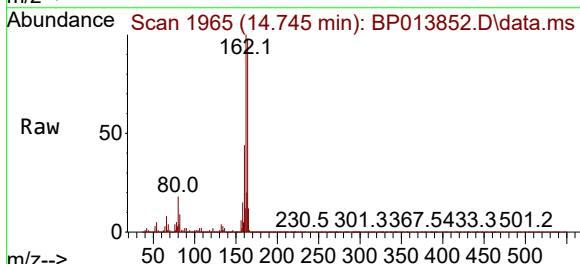
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ClientSampleId :
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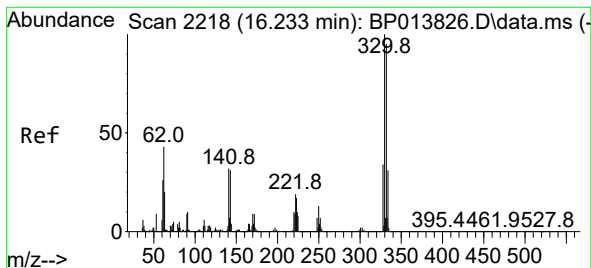
Tgt Ion:122 Resp: 1098
Ion Ratio Lower Upper
122 100
105 121.4 107.4 147.4
77 87.5 76.0 116.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.745 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Tgt Ion:164 Resp: 398899
Ion Ratio Lower Upper
164 100
162 101.7 81.7 122.5
160 45.1 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 1.364 ng

RT: 16.228 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

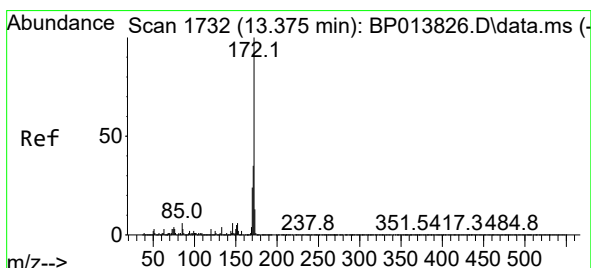
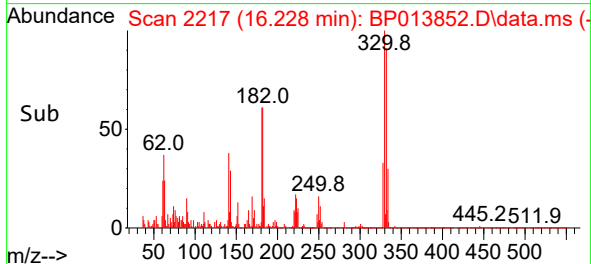
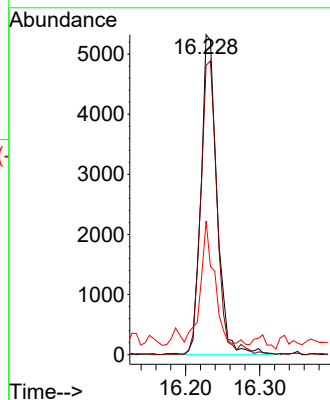
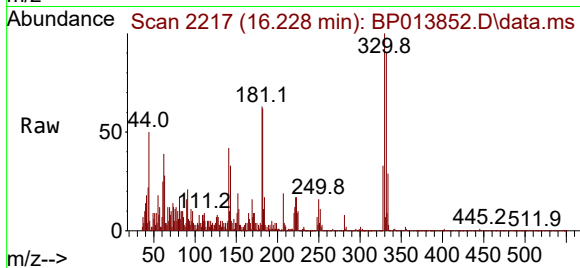
Tgt Ion:330 Resp: 7918

Ion Ratio Lower Upper

330 100

332 93.0 76.7 115.1

141 32.5 25.1 37.7



#45

2-Fluorobiphenyl

Concen: 39.547 ng

RT: 13.369 min Scan# 1731

Delta R.T. -0.006 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

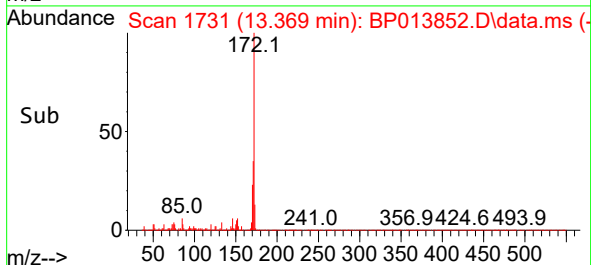
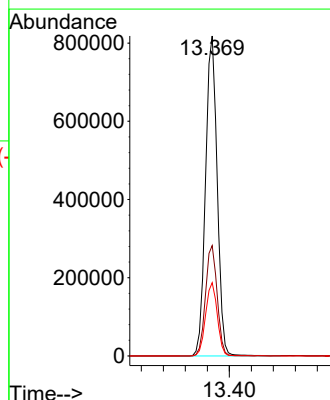
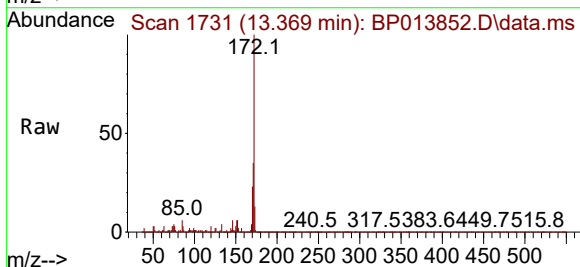
Tgt Ion:172 Resp: 1201045

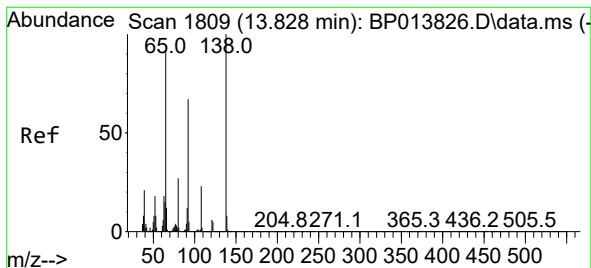
Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.4

170 22.9 19.0 28.4

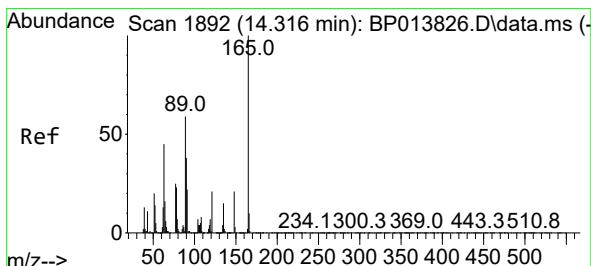
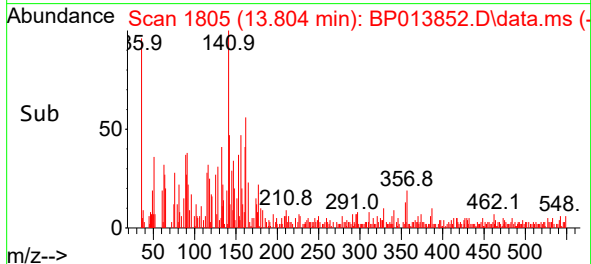
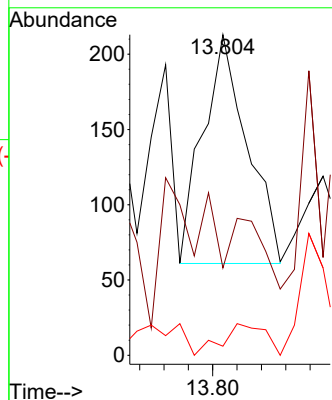
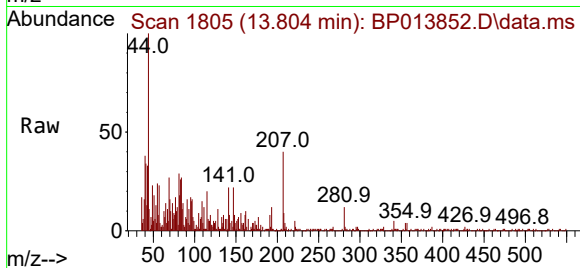




#48
2-Nitroaniline
Concen: 3.256 ng
RT: 13.804 min Scan# 1805
Delta R.T. -0.024 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

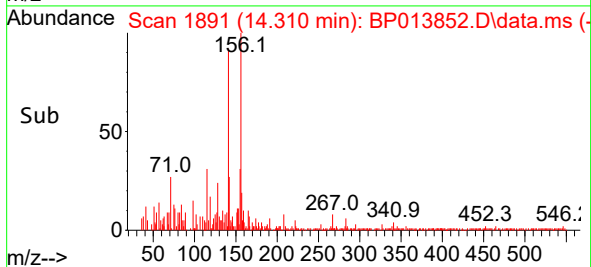
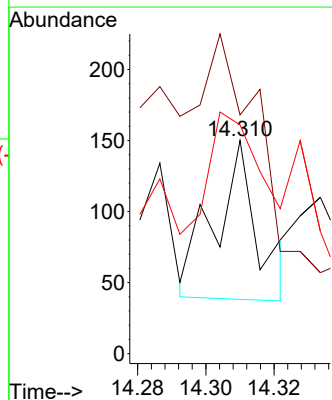
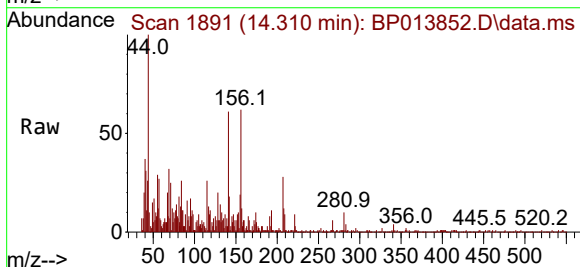
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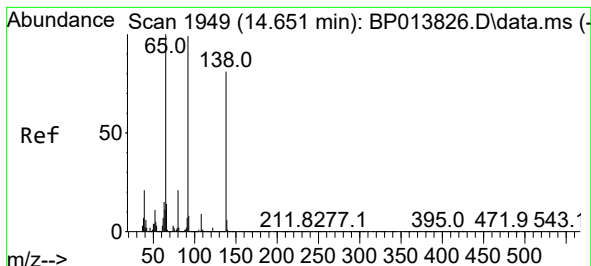
Tgt Ion: 65 Resp: 192
Ion Ratio Lower Upper
65 100
92 27.2 58.7 88.1#
138 2.8 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.001 ng
RT: 14.310 min Scan# 1891
Delta R.T. -0.006 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Tgt Ion: 165 Resp: 98
Ion Ratio Lower Upper
165 100
63 112.0 42.6 63.8#
89 107.3 47.1 70.7#

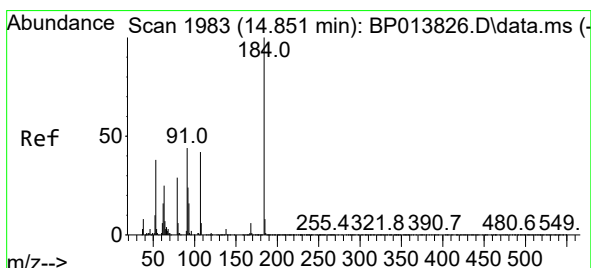
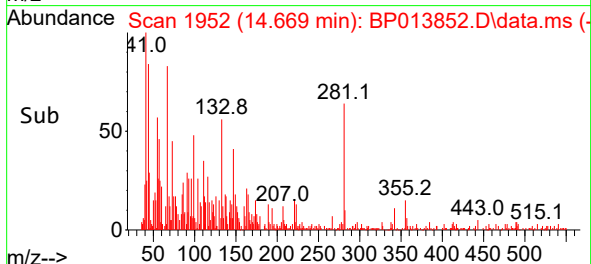
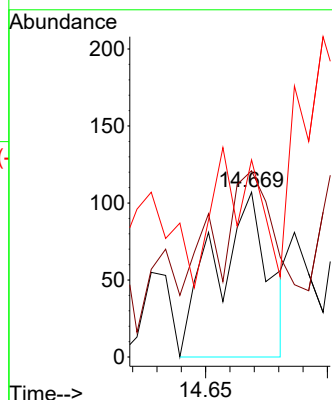
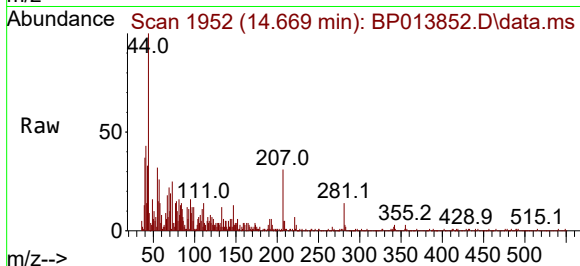




#53
3-Nitroaniline
Concen: 2.029 ng
RT: 14.669 min Scan# 1952
Delta R.T. 0.018 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

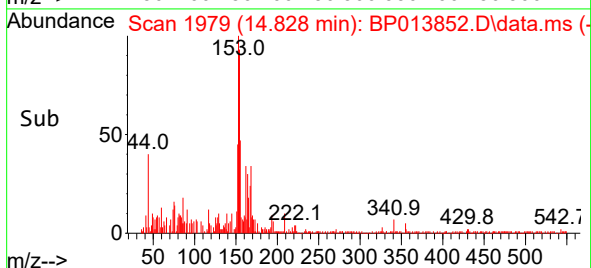
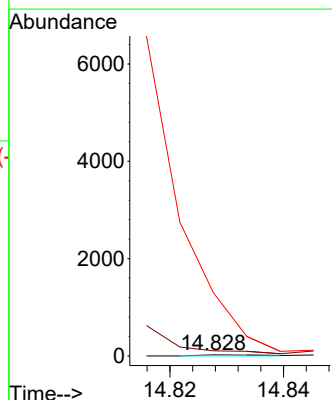
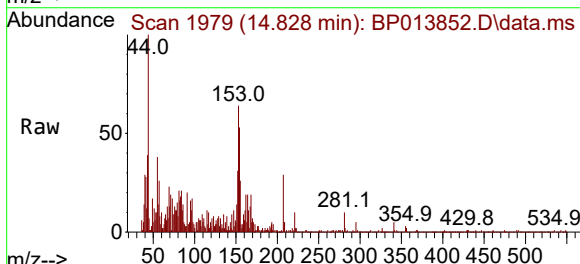
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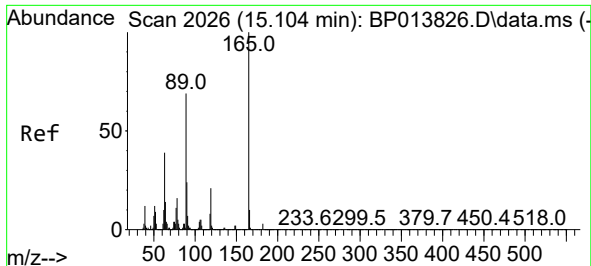
Tgt Ion:138 Resp: 163
Ion Ratio Lower Upper
138 100
108 113.1 9.0 13.4#
92 119.6 97.1 145.7



#54
2,4-Dinitrophenol
Concen: 5.266 ng
RT: 14.828 min Scan# 1979
Delta R.T. -0.023 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Tgt Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 460.9 47.0 70.4#
154 5660.9 51.5 77.3#





#57

2,4-Dinitrotoluene

Concen: 2.322 ng

RT: 15.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

Tgt Ion:165 Resp: 409

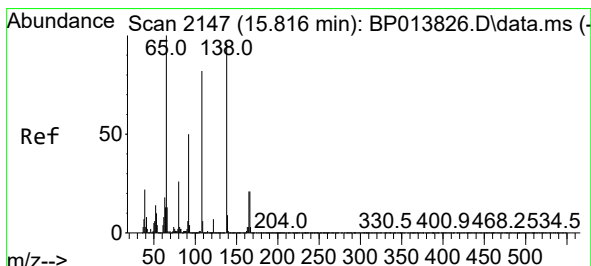
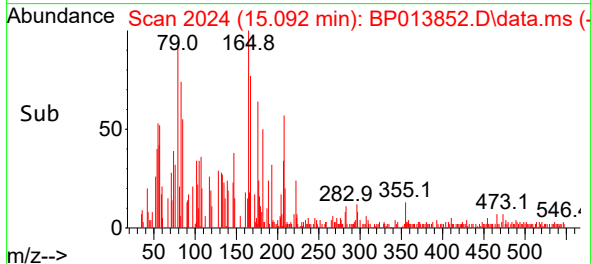
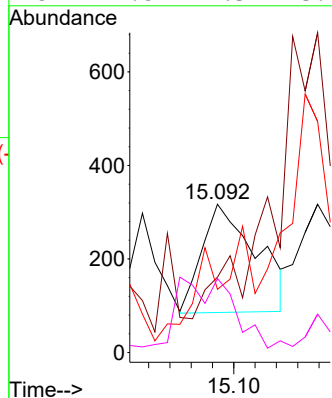
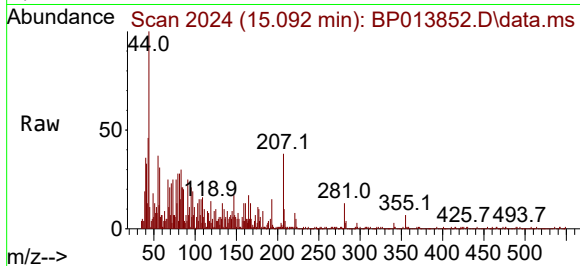
Ion Ratio Lower Upper

165 100

63 50.8 31.1 46.7#

89 42.6 54.9 82.3#

182 49.8 2.5 3.7#



#62

4-Nitroaniline

Concen: 2.556 ng

RT: 16.010 min Scan# 2180

Delta R.T. 0.194 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

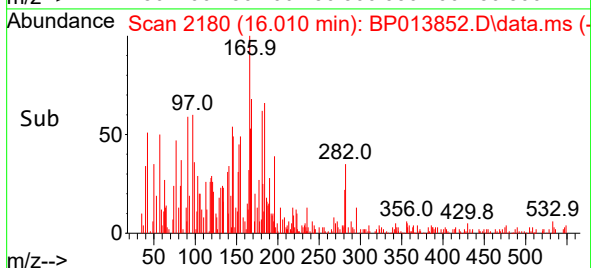
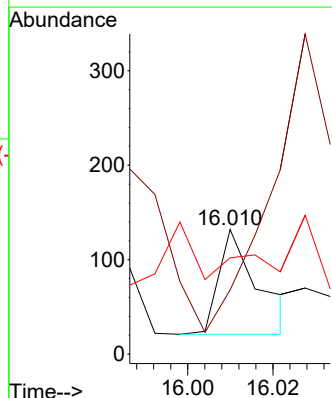
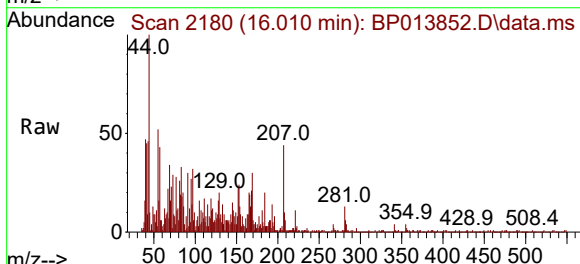
Tgt Ion:138 Resp: 72

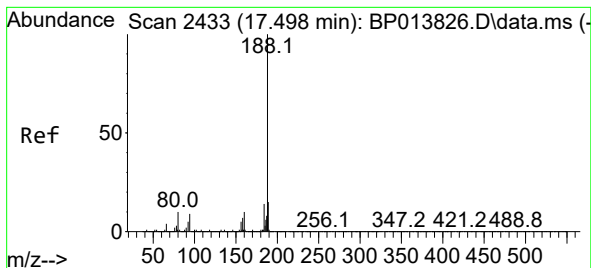
Ion Ratio Lower Upper

138 100

92 51.5 32.0 72.0

108 77.3 65.6 105.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.498 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

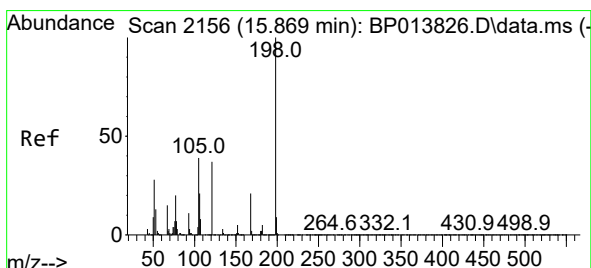
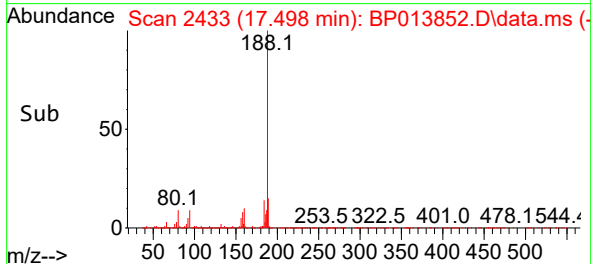
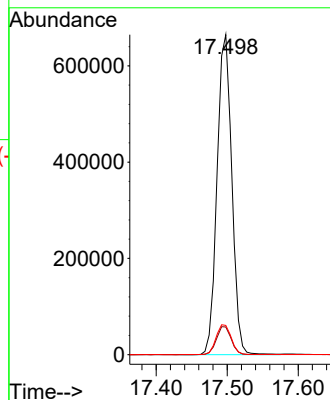
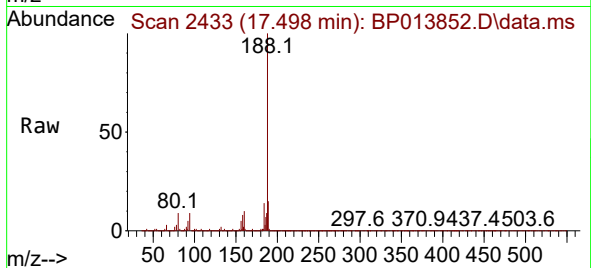
Tgt Ion:188 Resp: 953861

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

80 9.2 7.8 11.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.628 ng

RT: 15.898 min Scan# 2161

Delta R.T. 0.029 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

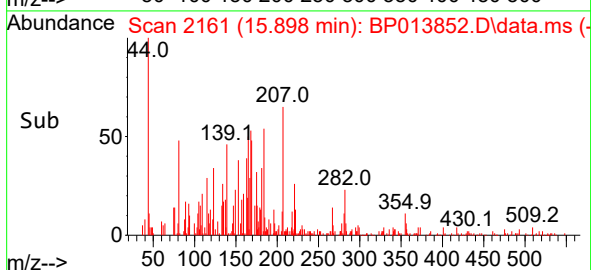
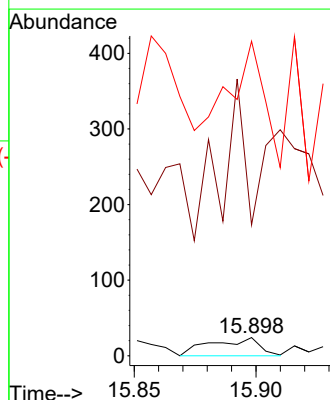
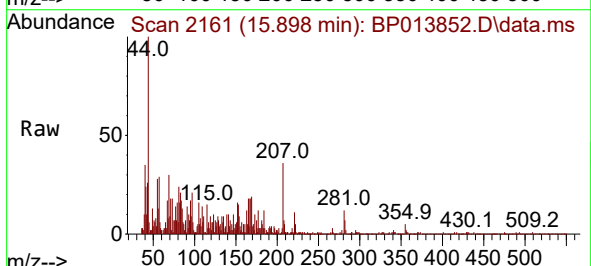
Tgt Ion:198 Resp: 33

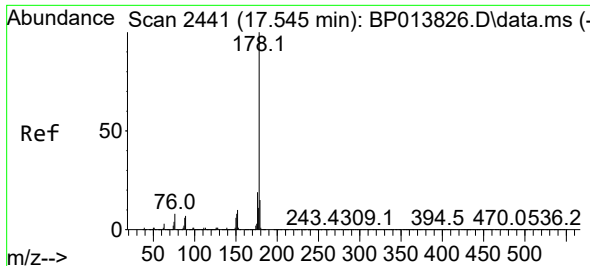
Ion Ratio Lower Upper

198 100

51 720.8 14.3 54.3#

105 1733.3 20.5 60.5#

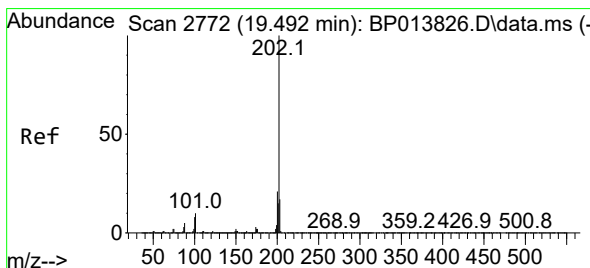
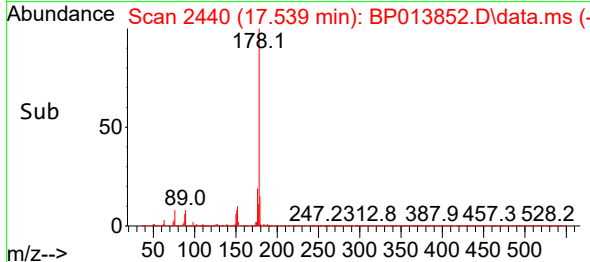
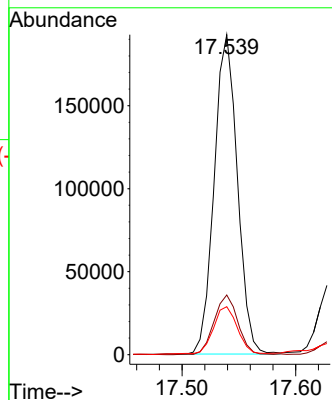
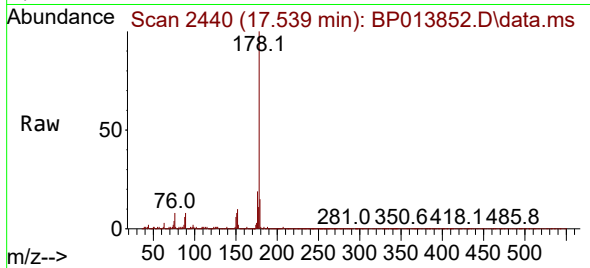




#71
Phenanthrene
Concen: 5.113 ng
RT: 17.539 min Scan# 2441
Delta R.T. -0.006 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

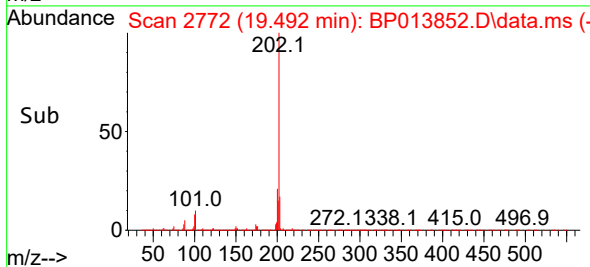
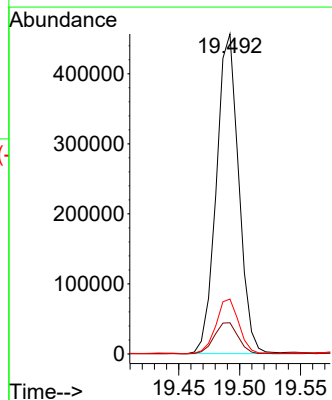
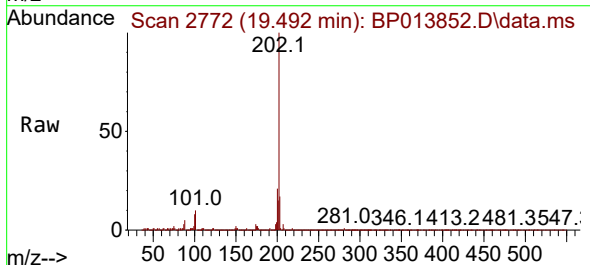
Instrument :
BNA_P
ClientSampleId :
COMP-3

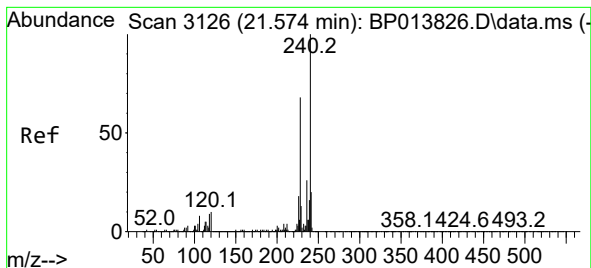
Tgt Ion:178 Resp: 273218
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.0 12.2 18.4



#75
Fluoranthene
Concen: 8.766 ng
RT: 19.492 min Scan# 2772
Delta R.T. 0.000 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Tgt Ion:202 Resp: 583968
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.0
203 17.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 3126

Delta R.T. 0.000 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

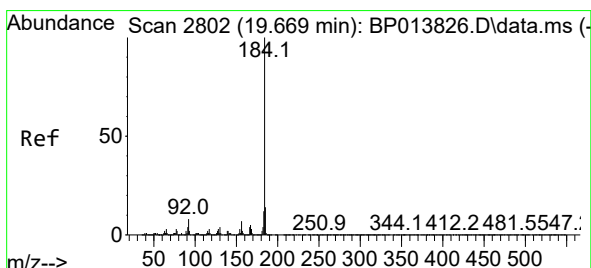
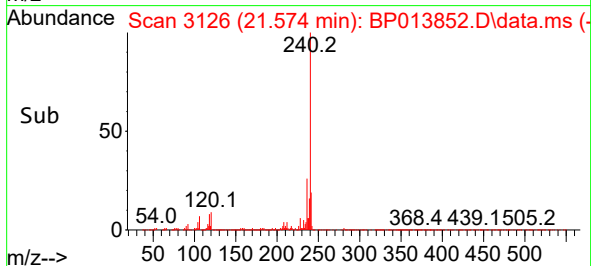
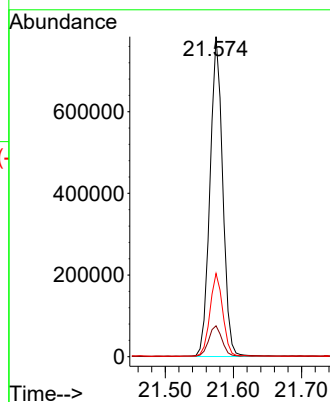
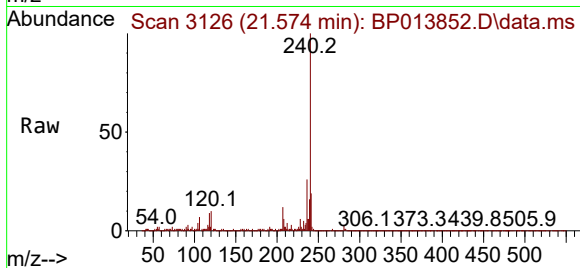
Tgt Ion:240 Resp: 1019288

Ion Ratio Lower Upper

240 100

120 9.6 7.9 11.9

236 26.0 20.9 31.3



#77

Benzidine

Concen: 2.320 ng

RT: 19.680 min Scan# 2804

Delta R.T. 0.011 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

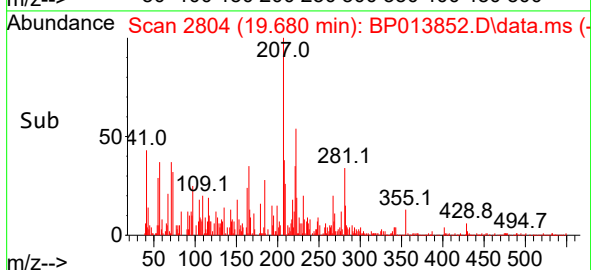
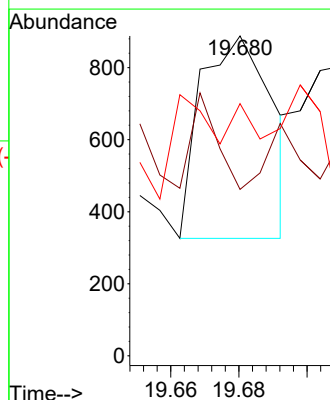
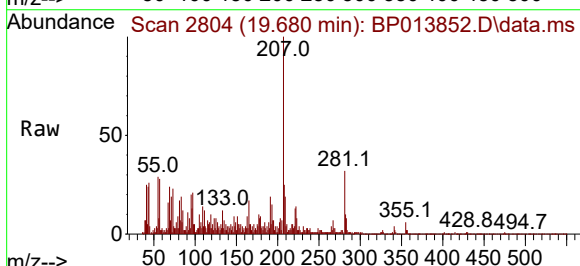
Tgt Ion:184 Resp: 814

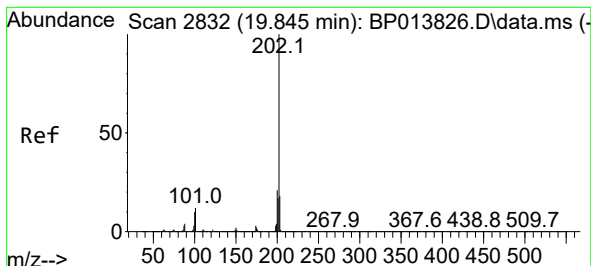
Ion Ratio Lower Upper

184 100

185 52.0 11.4 17.0#

183 78.8 9.6 14.4#





#78

Pyrene

Concen: 7.597 ng

RT: 19.845 min Scan# 2832

Delta R.T. 0.000 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

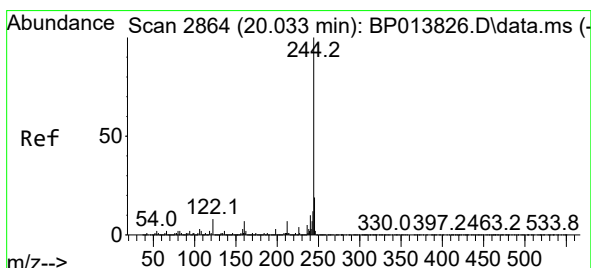
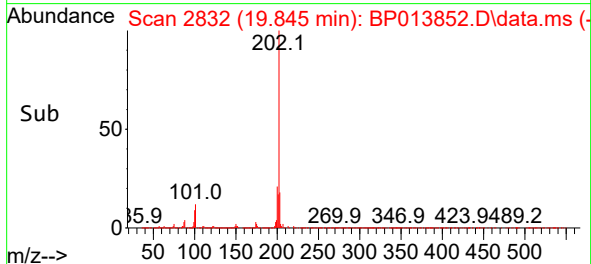
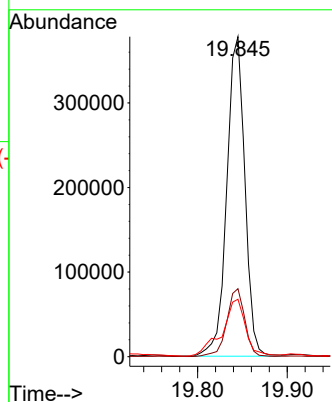
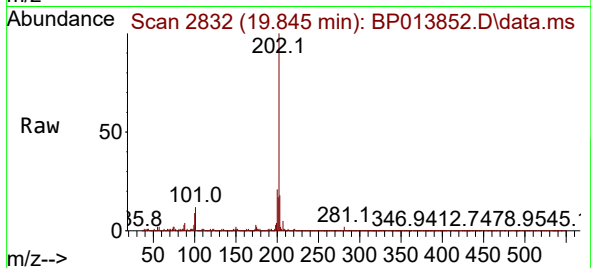
Tgt Ion:202 Resp: 529170

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

203 18.0 14.2 21.2



#79

Terphenyl-d14

Concen: 44.757 ng

RT: 20.027 min Scan# 2863

Delta R.T. -0.006 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

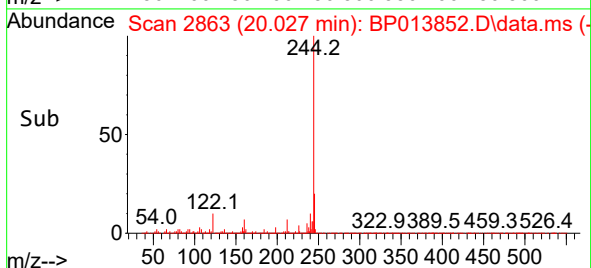
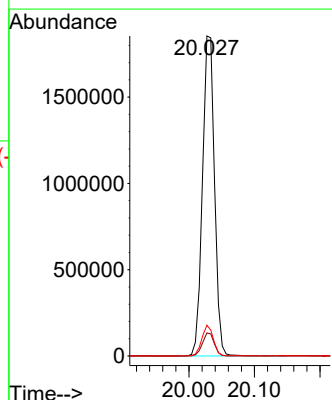
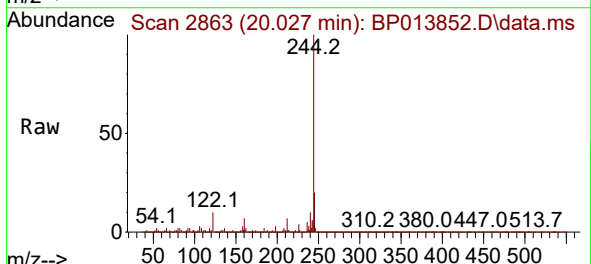
Tgt Ion:244 Resp: 2371116

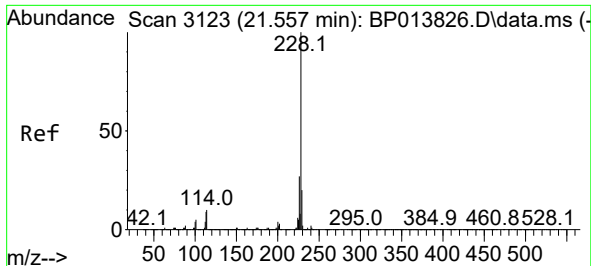
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.6 6.7 10.1

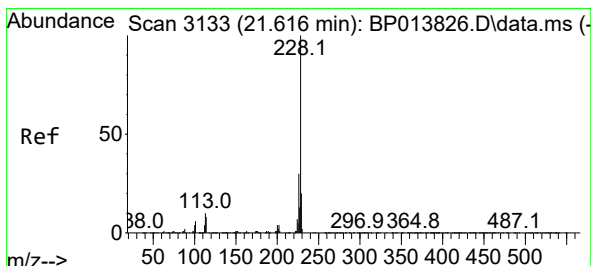
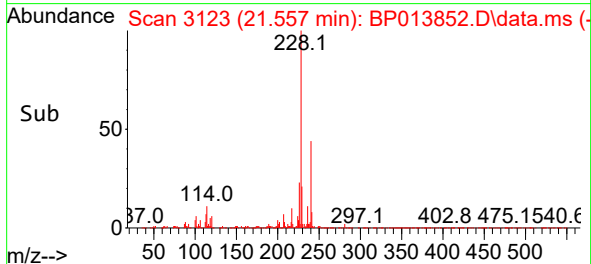
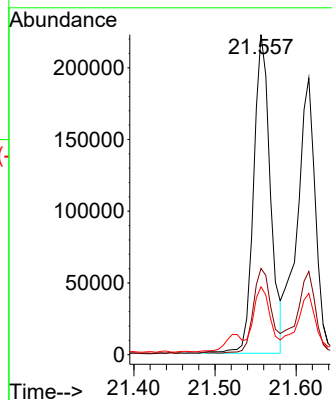
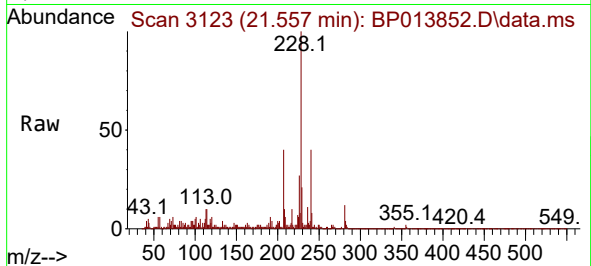




#81
Benzo(a)anthracene
Concen: 4.377 ng
RT: 21.557 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

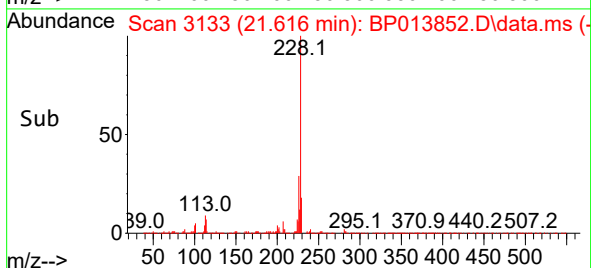
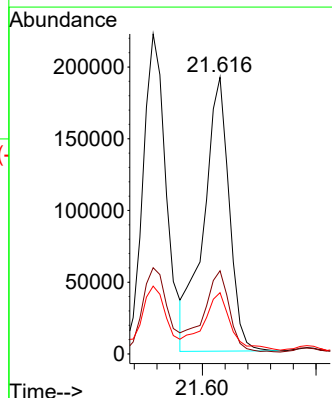
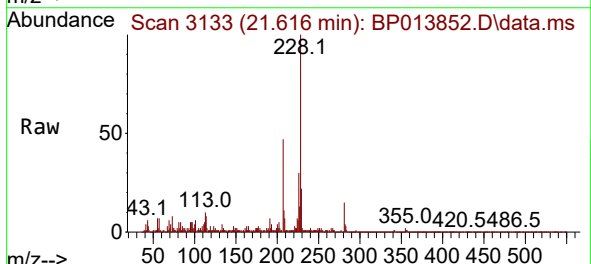
Instrument :
BNA_P
ClientSampleId :
COMP-3

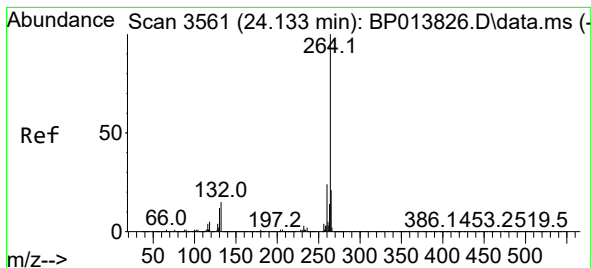
Tgt Ion:228 Resp: 319511
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 21.2 15.8 23.6



#83
Chrysene
Concen: 4.226 ng
RT: 21.616 min Scan# 3133
Delta R.T. 0.000 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Tgt Ion:228 Resp: 298832
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.8
229 22.2 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.133 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

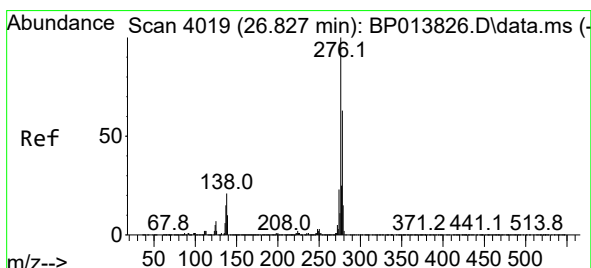
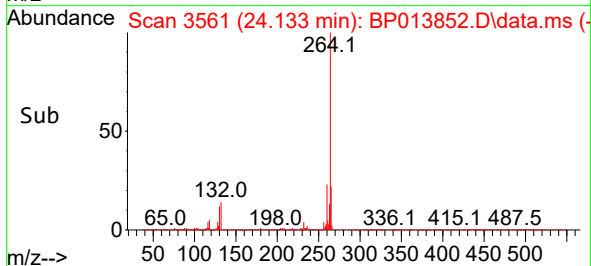
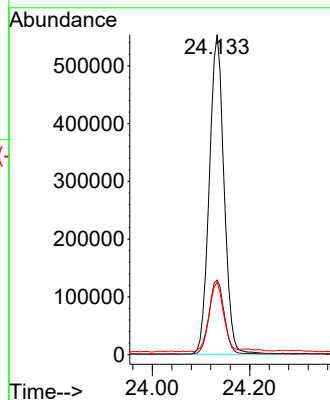
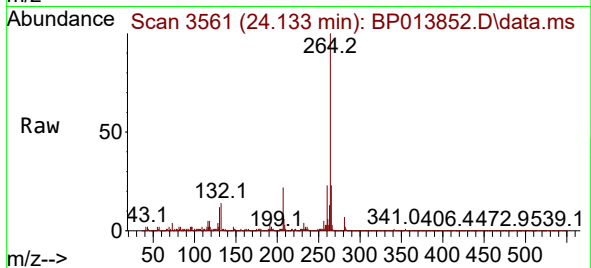
Tgt Ion:264 Resp: 1159954

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.0

265 22.7 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.217 ng

RT: 26.821 min Scan# 4018

Delta R.T. -0.006 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

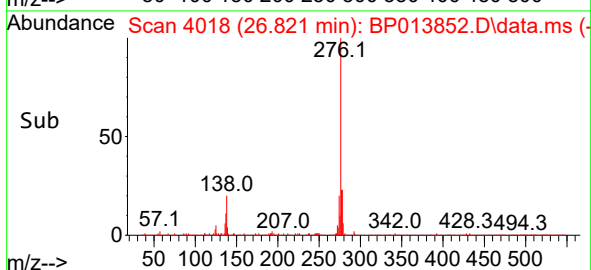
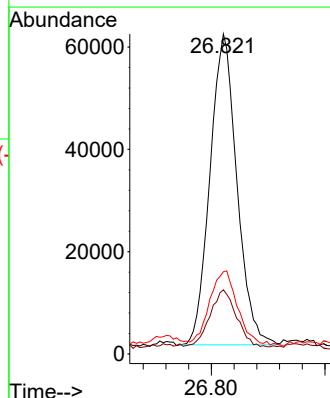
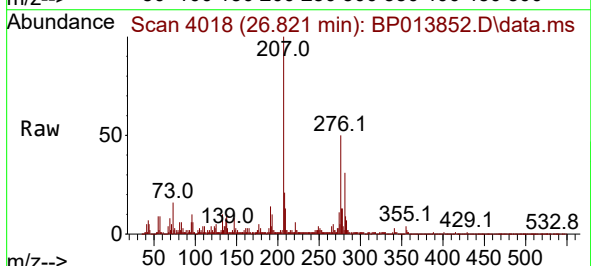
Tgt Ion:276 Resp: 200009

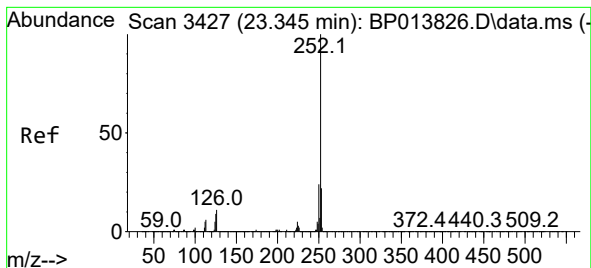
Ion Ratio Lower Upper

276 100

138 17.9 17.8 26.8

277 25.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 5.603 ng

RT: 23.345 min Scan# 3427

Delta R.T. 0.000 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

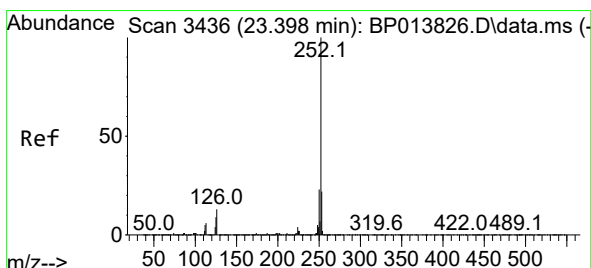
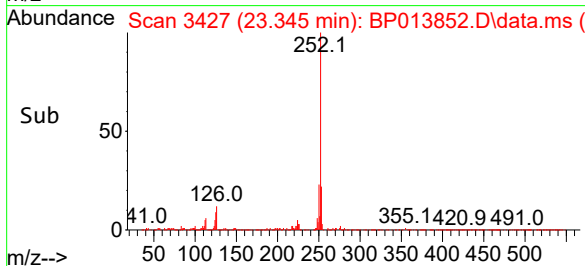
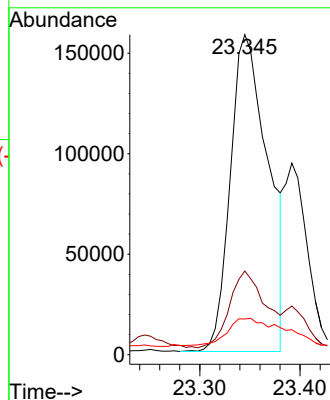
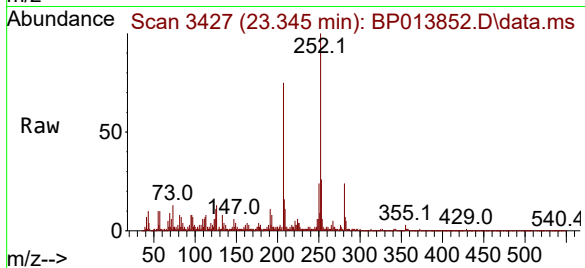
Tgt Ion:252 Resp: 411013

Ion Ratio Lower Upper

252 100

253 26.1 17.8 26.6

125 11.1 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 5.519 ng

RT: 23.345 min Scan# 3427

Delta R.T. -0.053 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

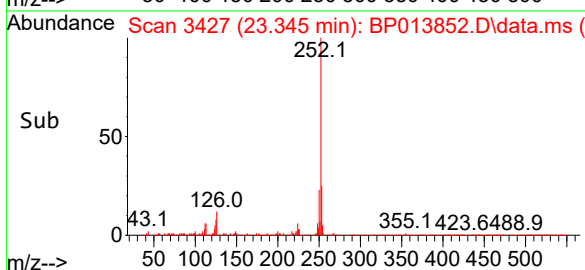
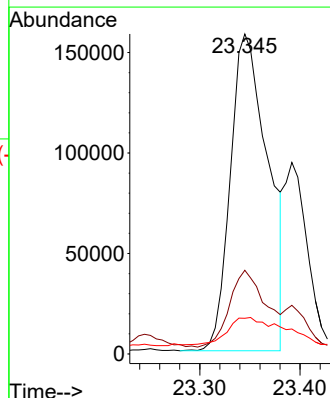
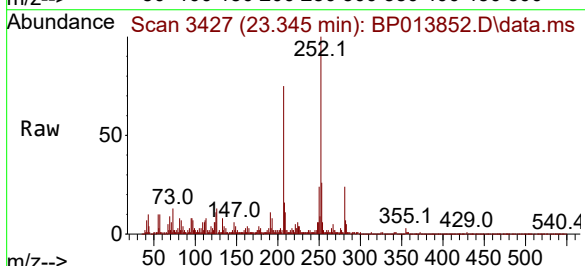
Tgt Ion:252 Resp: 411013

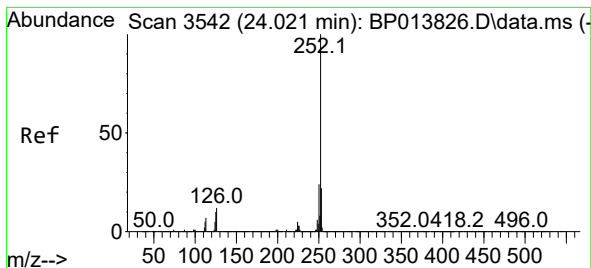
Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

125 11.1 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 3.768 ng

RT: 24.015 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

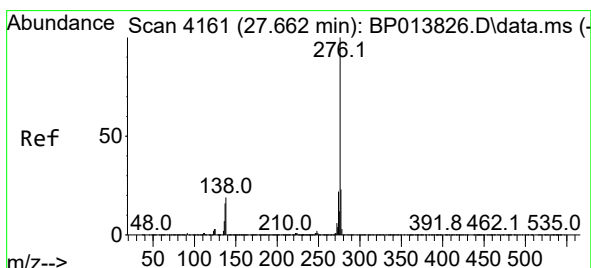
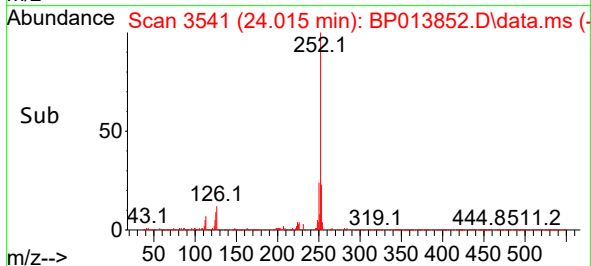
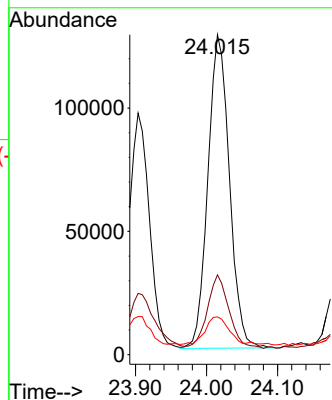
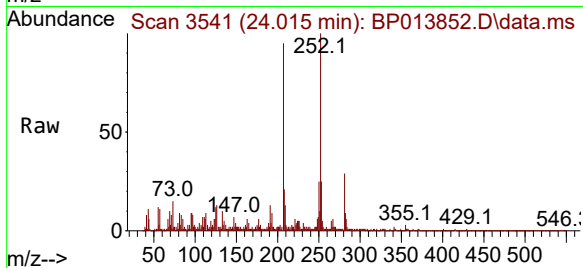
Tgt Ion:252 Resp: 267230

Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.0

125 11.8 7.7 11.5#



#92

Benzo(g,h,i)perylene

Concen: 2.766 ng

RT: 27.651 min Scan# 4159

Delta R.T. -0.012 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Tgt Ion:276 Resp: 206778

Ion Ratio Lower Upper

276 100

277 26.5 18.7 28.1

138 20.6 15.5 23.3

