

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
 Data File : BP013854.D
 Acq On : 17 Feb 2023 20:15
 Operator : CG/JU
 Sample : 01586-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-1

Quant Time: Feb 17 22:07:54 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)

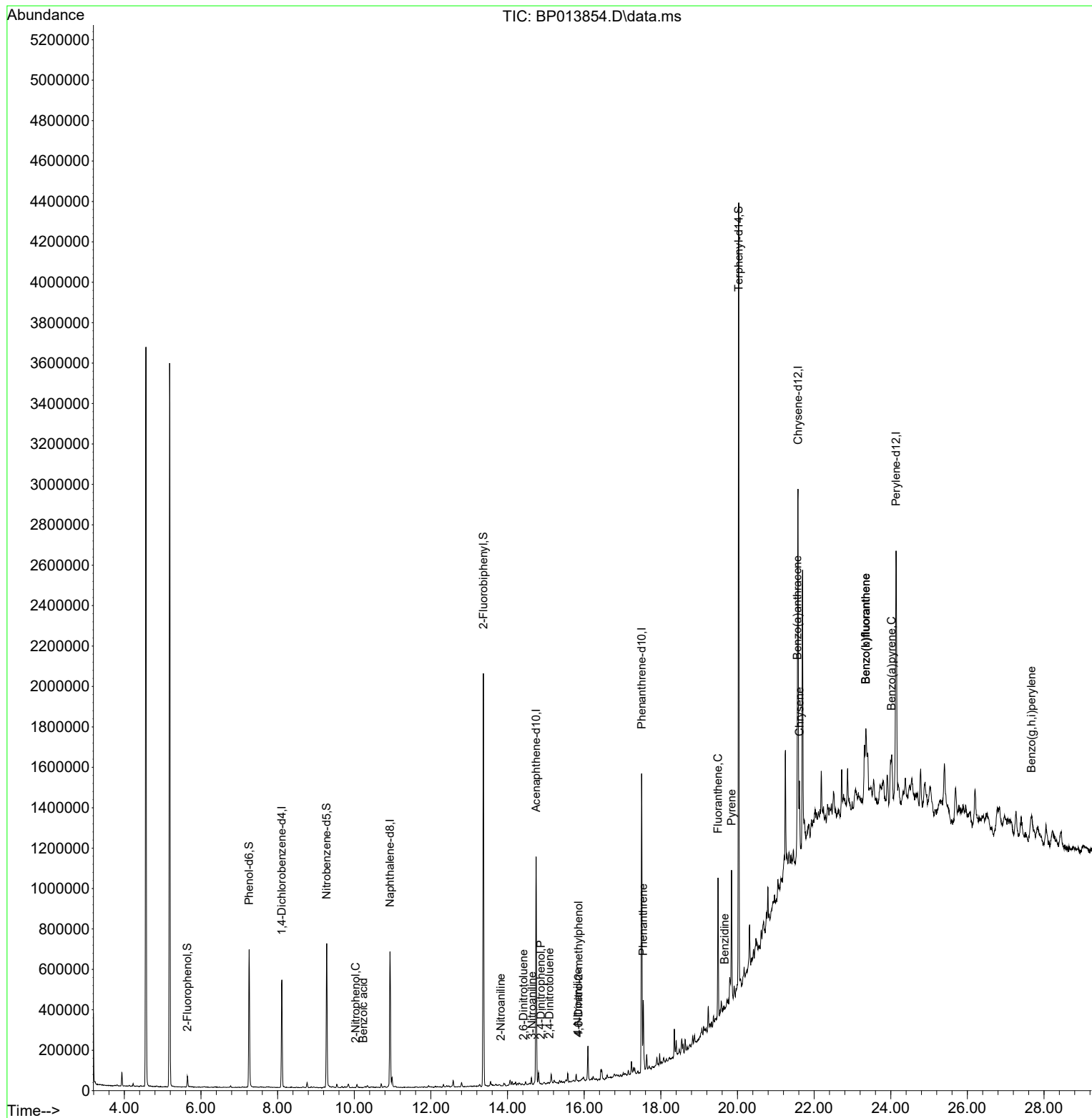
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.111	152	148153	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	547970	20.000	ng	0.00
39) Acenaphthene-d10	14.746	164	378988	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	891139	20.000	ng	0.00
76) Chrysene-d12	21.580	240	875608	20.000	ng	0.00
86) Perylene-d12	24.139	264	1025991	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	24755	2.754	ng	0.00
7) Phenol-d6	7.258	99	398648	34.626	ng	0.00
23) Nitrobenzene-d5	9.281	82	407036	40.112	ng	0.00
42) 2,4,6-Tribromophenol	16.240	330	1236	0.224	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1029145	35.667	ng	0.00
79) Terphenyl-d14	20.034	244	1955748	42.974	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	10.034	139	48	2.777	ng	# 1
32) Benzoic acid	10.234	122	78	5.086	ng	# 48
48) 2-Nitroaniline	13.822	65	95	3.243	ng	# 31
51) 2,6-Dinitrotoluene	14.416	165	109	2.003	ng	98
53) 3-Nitroaniline	14.640	138	163	2.030	ng	# 45
54) 2,4-Dinitrophenol	14.869	184	39	5.270	ng	# 1
57) 2,4-Dinitrotoluene	15.093	165	163	2.298	ng	# 54
62) 4-Nitroaniline	15.834	138	65	2.556	ng	89
65) 4,6-Dinitro-2-methylph...	15.851	198	61	4.633	ng	# 1
71) Phenanthrene	17.540	178	213533	4.277	ng	99
75) Fluoranthene	19.492	202	403240	6.479	ng	99
77) Benzidine	19.669	184	637	2.317	ng	# 1
78) Pyrene	19.845	202	362605	6.060	ng	99
81) Benzo(a)anthracene	21.563	228	197808	3.155	ng	96
83) Chrysene	21.616	228	189109	3.113	ng	95
88) Benzo(b)fluoranthene	23.351	252	252881	3.897	ng	# 85
89) Benzo(k)fluoranthene	23.351	252	252881	3.839	ng	# 84
90) Benzo(a)pyrene	24.022	252	175226	2.793	ng	# 86
92) Benzo(g,h,i)perylene	27.668	276	143652	2.172	ng	# 93

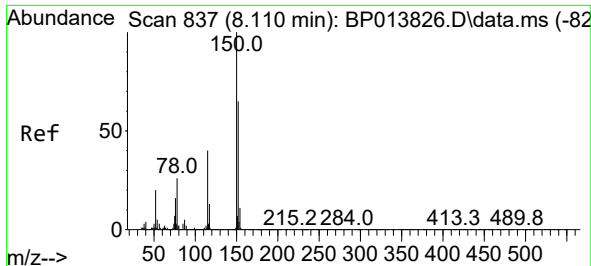
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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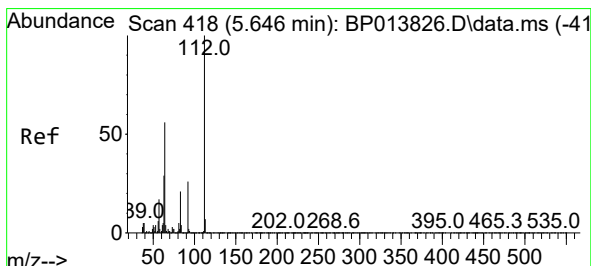
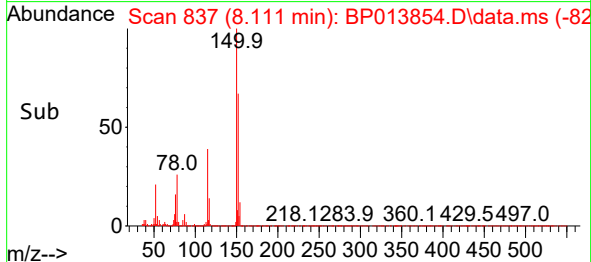
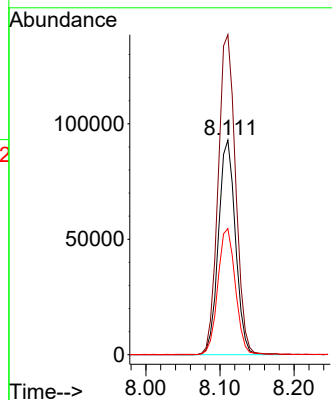
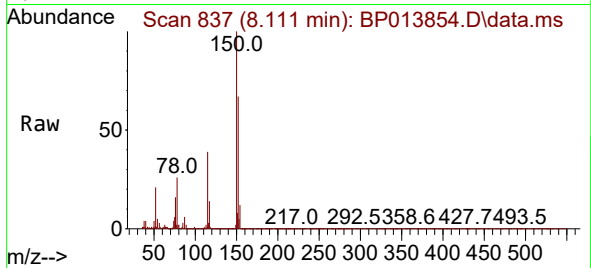




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.111 min Scan# 81
Delta R.T. 0.001 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

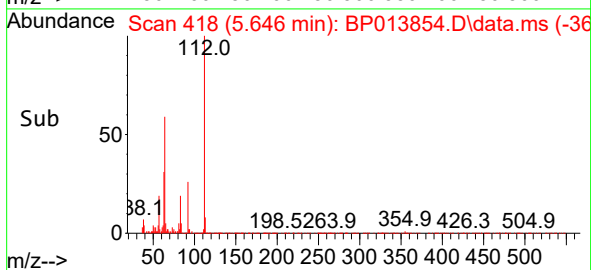
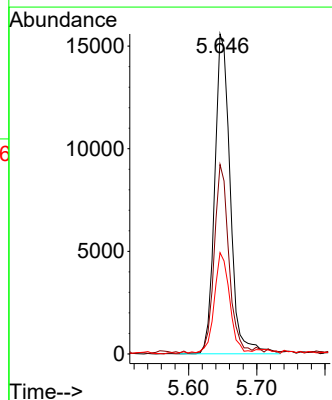
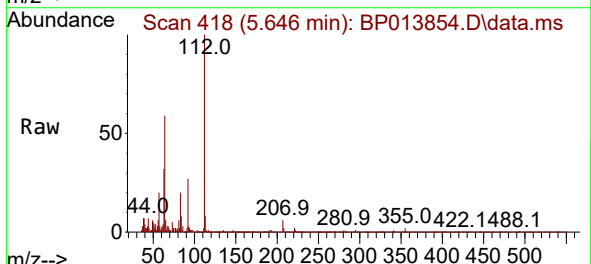
Instrument :
BNA_P
ClientSampleId :
COMP-1

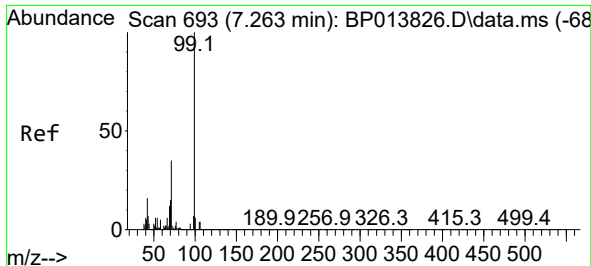
Tgt Ion:152 Resp: 148153
Ion Ratio Lower Upper
152 100
150 149.1 122.8 184.2
115 58.7 49.0 73.6



#5
2-Fluorophenol
Concen: 2.754 ng
RT: 5.646 min Scan# 418
Delta R.T. 0.000 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

Tgt Ion:112 Resp: 24755
Ion Ratio Lower Upper
112 100
64 59.2 44.6 66.8
63 31.6 23.6 35.4

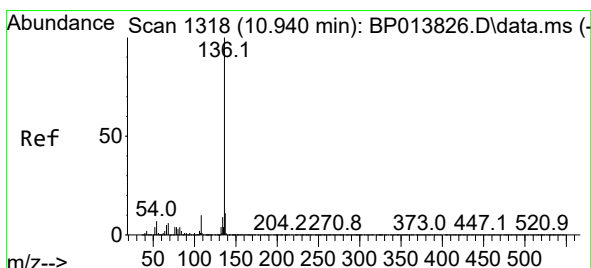
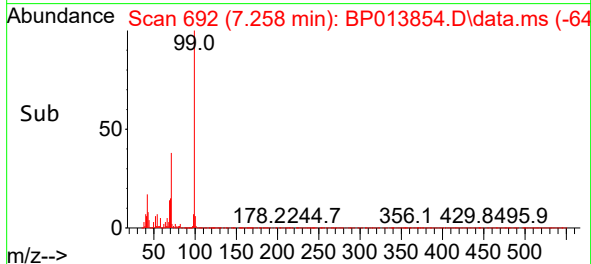
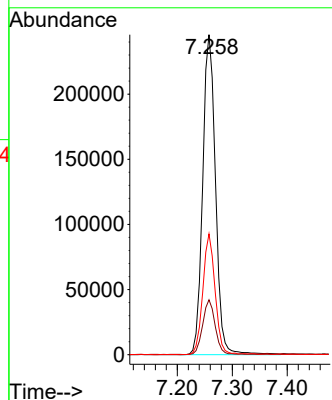
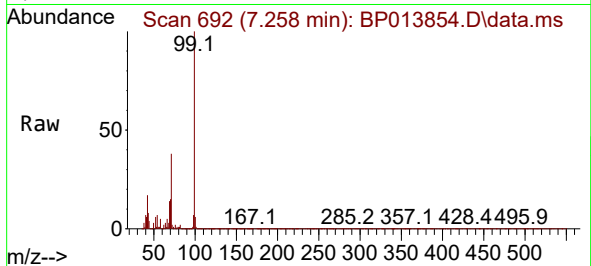




#7
Phenol-d6
Concen: 34.626 ng
RT: 7.258 min Scan# 691
Delta R.T. -0.006 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

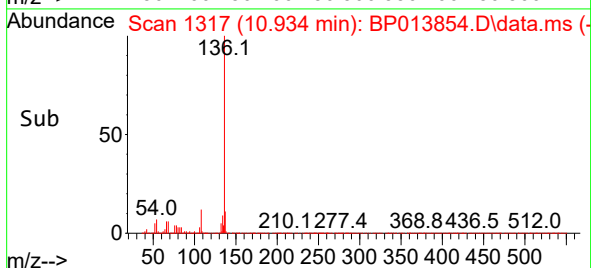
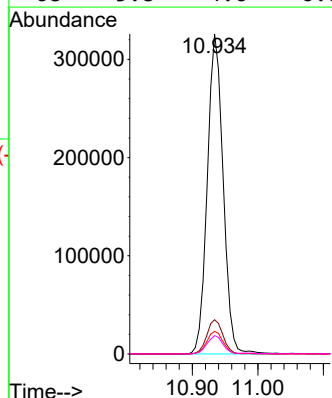
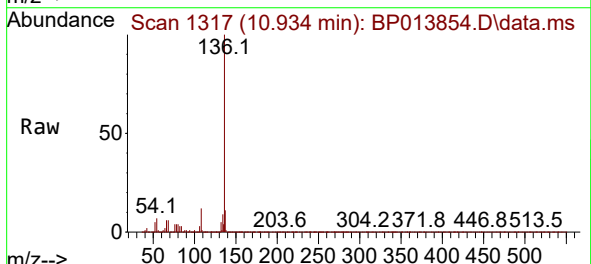
Instrument :
BNA_P
ClientSampleId :
COMP-1

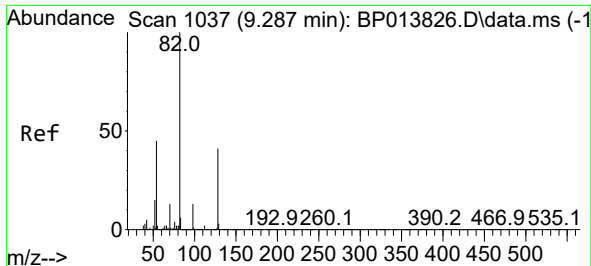
Tgt Ion: 99 Resp: 398648
Ion Ratio Lower Upper
99 100
42 17.2 12.5 18.7
71 37.7 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

Tgt Ion: 136 Resp: 547970
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.1 5.8 8.6
68 5.8 4.6 6.8

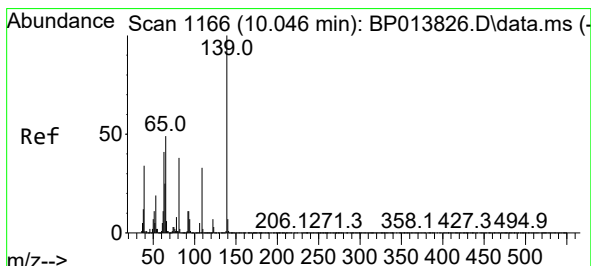
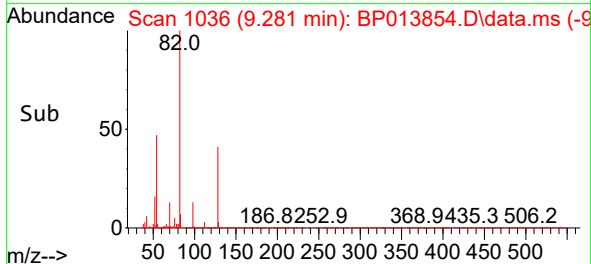
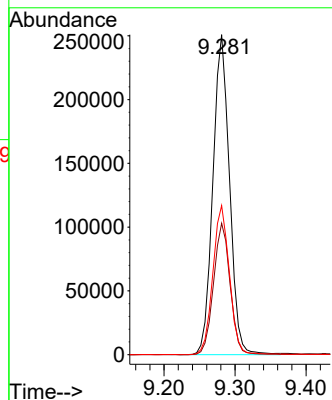
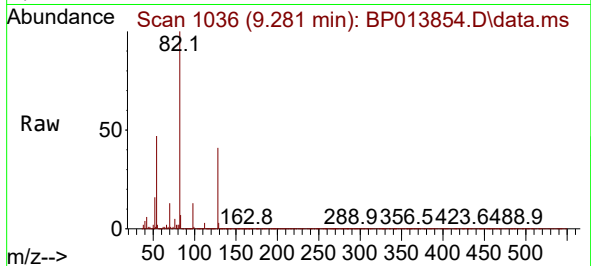




#23
Nitrobenzene-d5
Concen: 40.112 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

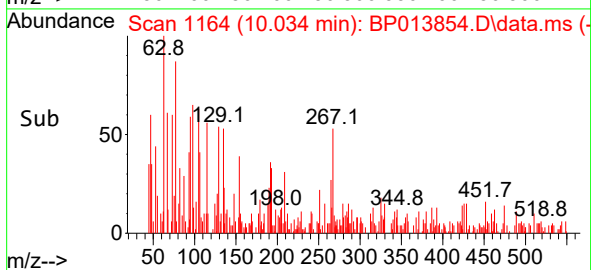
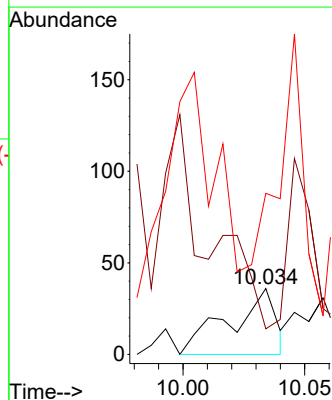
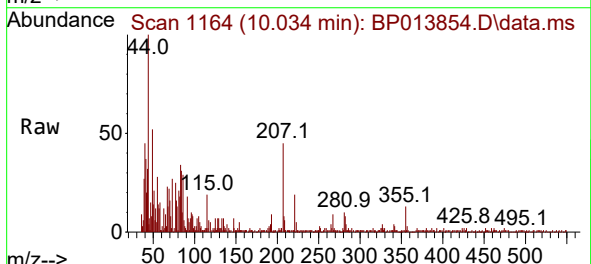
Instrument :
BNA_P
ClientSampleId :
COMP-1

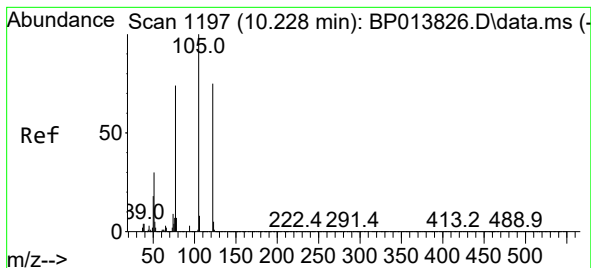
Tgt Ion: 82 Resp: 407036
Ion Ratio Lower Upper
82 100
128 41.1 32.9 49.3
54 46.6 35.6 53.4



#26
2-Nitrophenol
Concen: 2.777 ng
RT: 10.034 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

Tgt Ion:139 Resp: 48
Ion Ratio Lower Upper
139 100
109 38.9 26.7 40.1
65 244.4 39.4 59.2#





#32

Benzoic acid

Concen: 5.086 ng

RT: 10.234 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

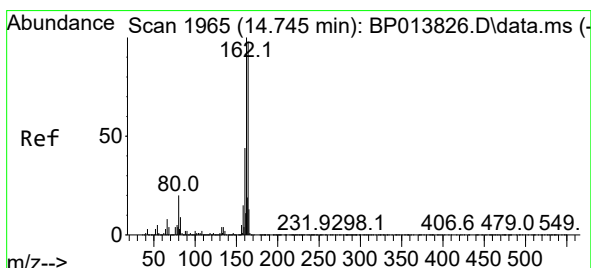
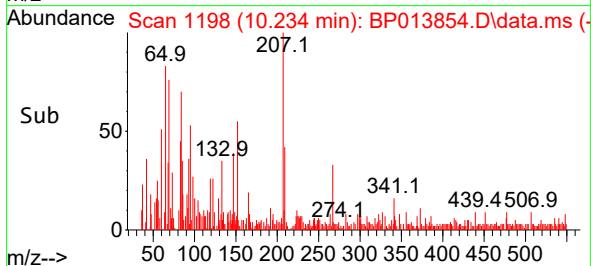
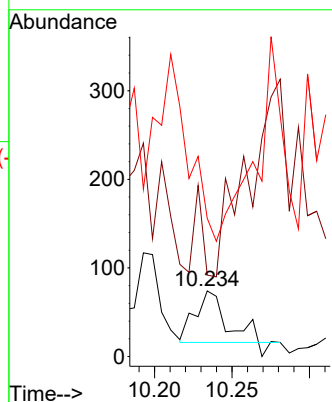
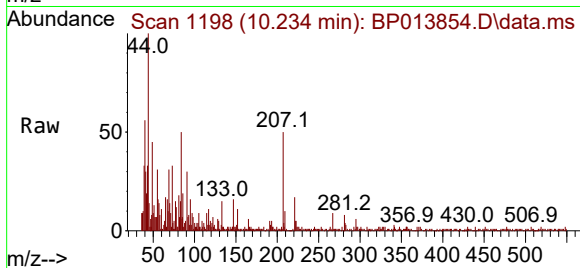
Tgt Ion:122 Resp: 78

Ion Ratio Lower Upper

122 100

105 124.3 107.4 147.4

77 210.8 76.0 116.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.746 min Scan# 1965

Delta R.T. 0.000 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

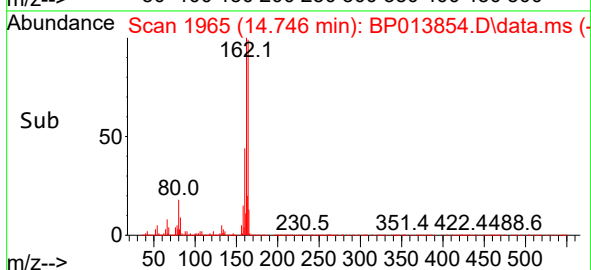
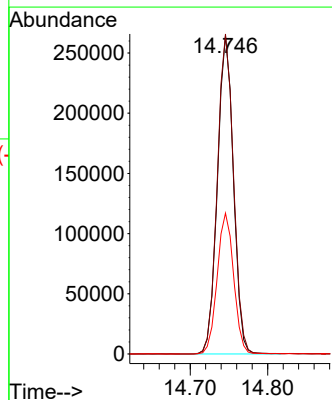
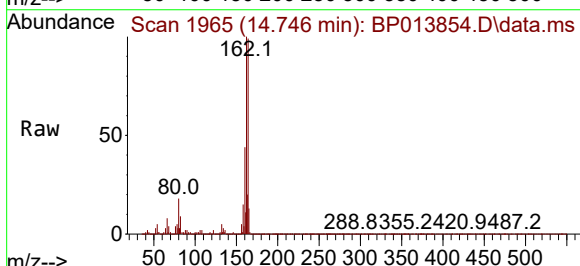
Tgt Ion:164 Resp: 378988

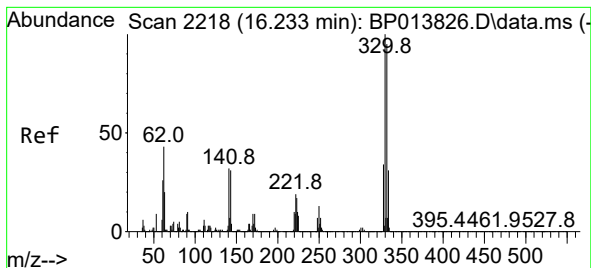
Ion Ratio Lower Upper

164 100

162 100.5 81.7 122.5

160 44.2 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 0.224 ng

RT: 16.240 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

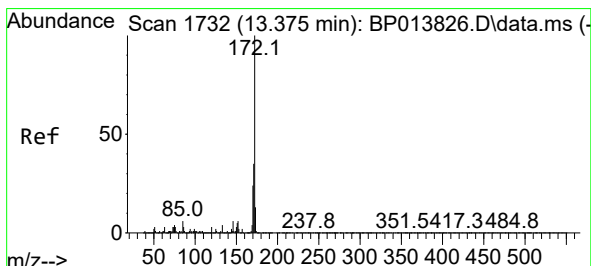
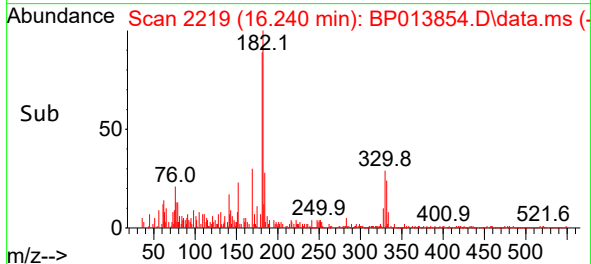
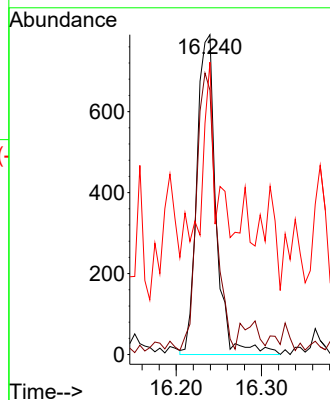
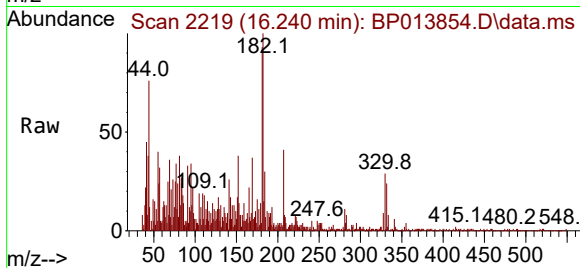
Tgt Ion:330 Resp: 1236

Ion Ratio Lower Upper

330 100

332 87.5 76.7 115.1

141 41.7 25.1 37.7#



#45

2-Fluorobiphenyl

Concen: 35.667 ng

RT: 13.369 min Scan# 1731

Delta R.T. -0.006 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

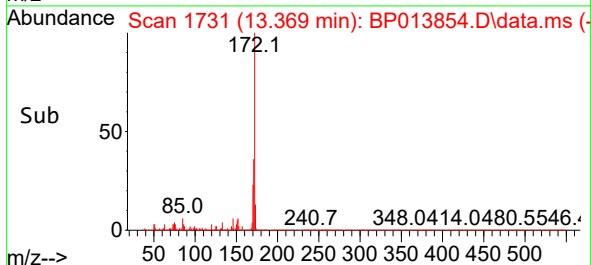
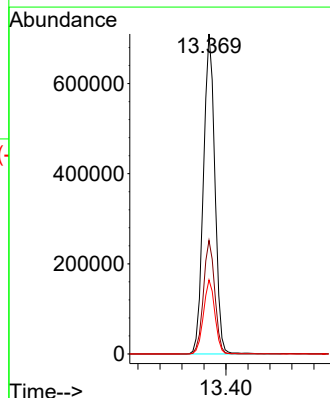
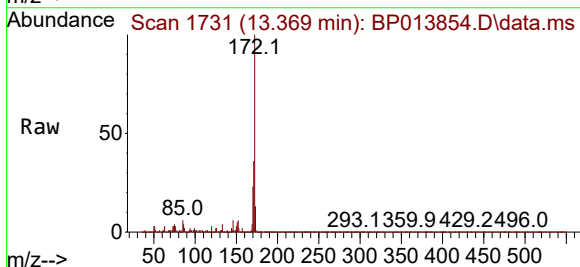
Tgt Ion:172 Resp: 1029145

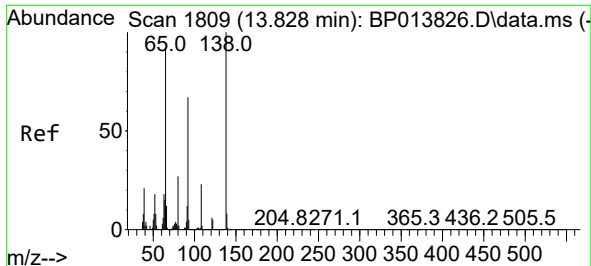
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.1 19.0 28.4

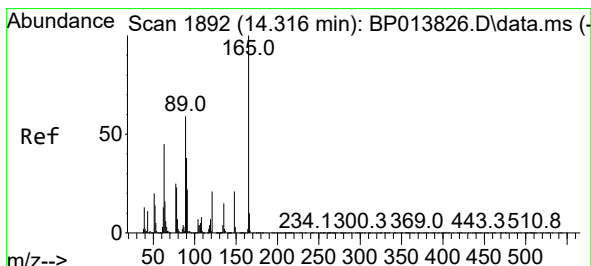
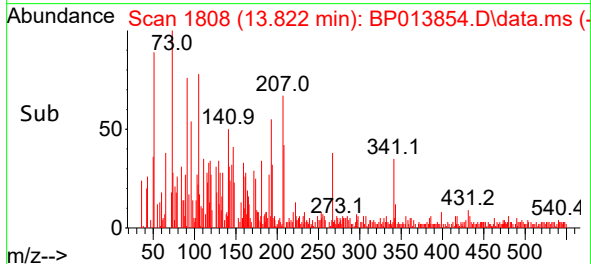
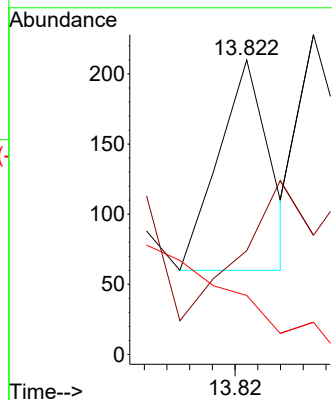
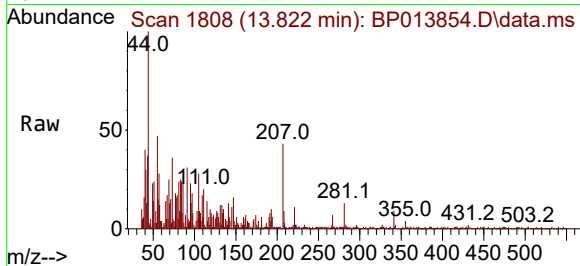




#48
2-Nitroaniline
Concen: 3.243 ng
RT: 13.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

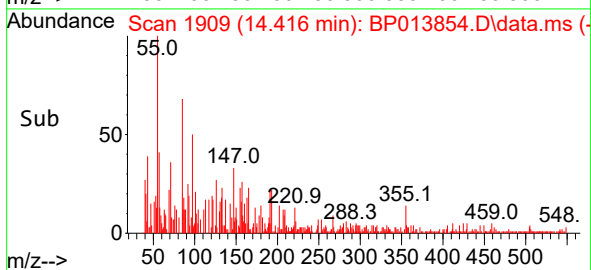
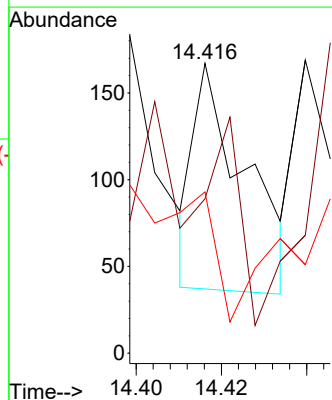
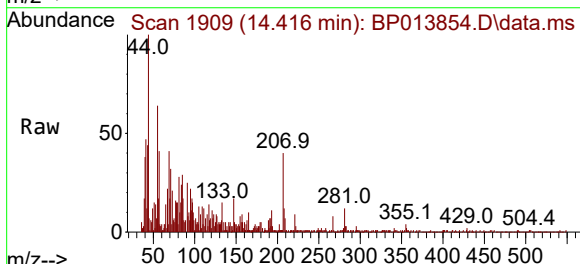
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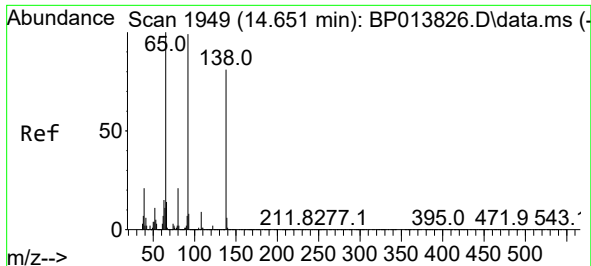
Tgt Ion: 65 Resp: 95
Ion Ratio Lower Upper
65 100
92 35.2 58.7 88.1#
138 20.0 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.003 ng
RT: 14.416 min Scan# 1909
Delta R.T. 0.100 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

Tgt Ion: 165 Resp: 109
Ion Ratio Lower Upper
165 100
63 53.3 42.6 63.8
89 55.7 47.1 70.7

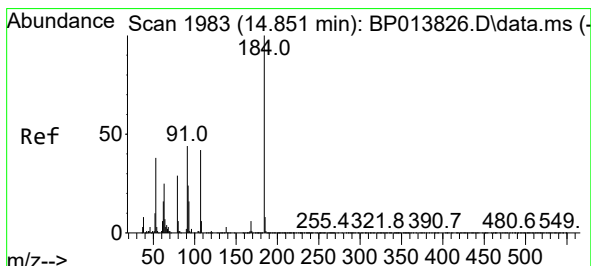
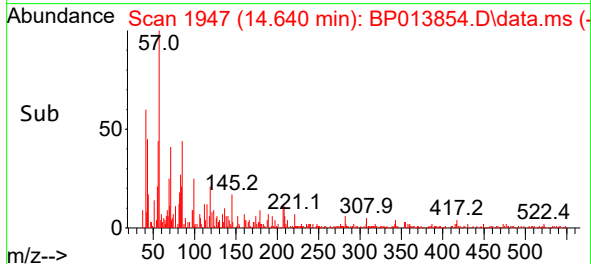
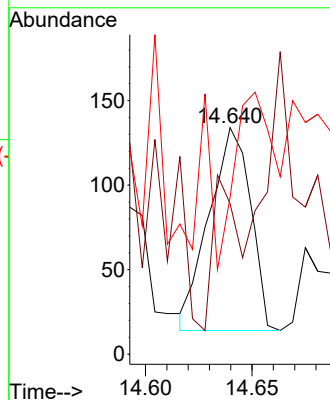
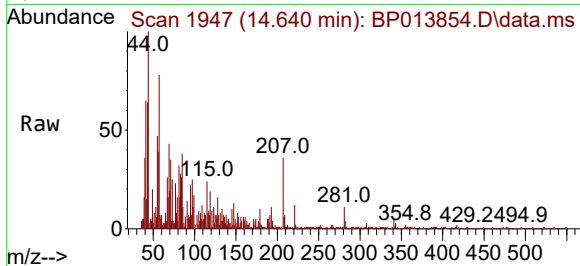




#53
3-Nitroaniline
Concen: 2.030 ng
RT: 14.640 min Scan# 1947
Delta R.T. -0.011 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

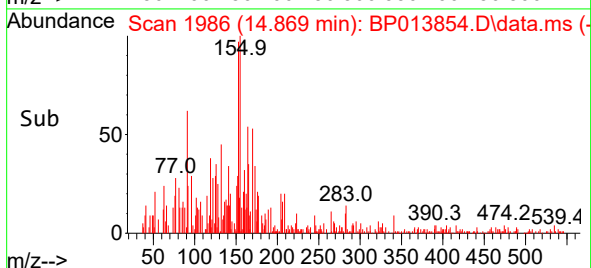
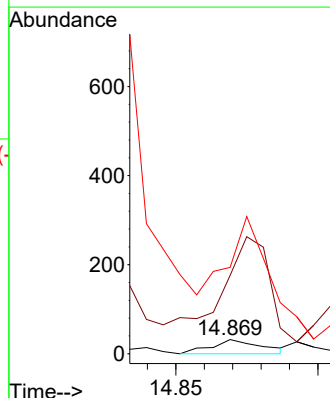
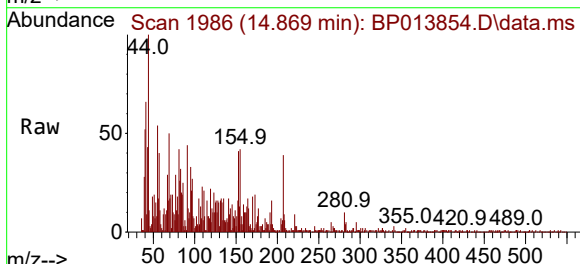
Instrument :
BNA_P
ClientSampleId :
COMP-1

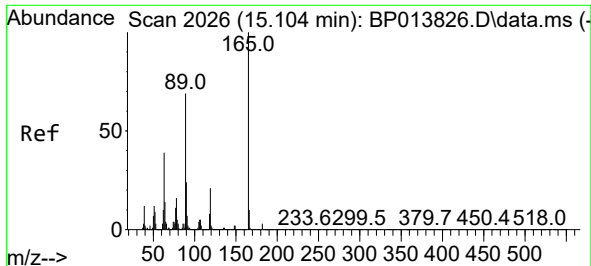
Tgt Ion:138 Resp: 163
Ion Ratio Lower Upper
138 100
108 66.4 9.0 13.4#
92 69.4 97.1 145.7#



#54
2,4-Dinitrophenol
Concen: 5.270 ng
RT: 14.869 min Scan# 1986
Delta R.T. 0.018 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

Tgt Ion:184 Resp: 39
Ion Ratio Lower Upper
184 100
63 550.0 47.0 70.4#
154 606.3 51.5 77.3#

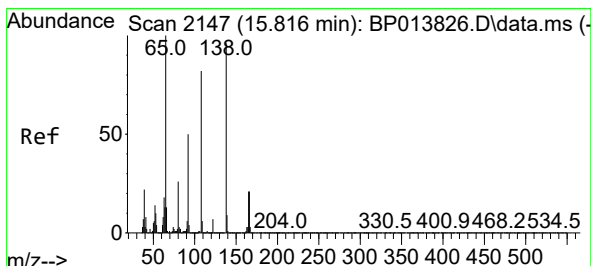
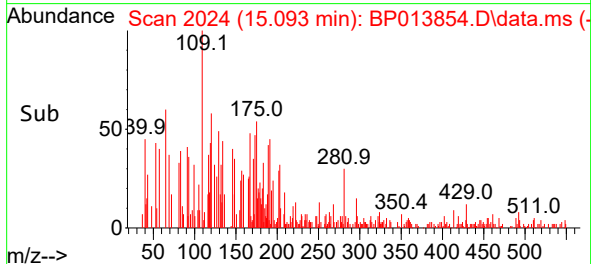
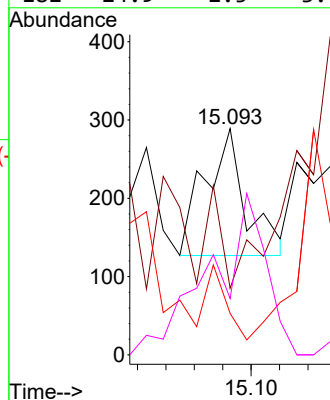
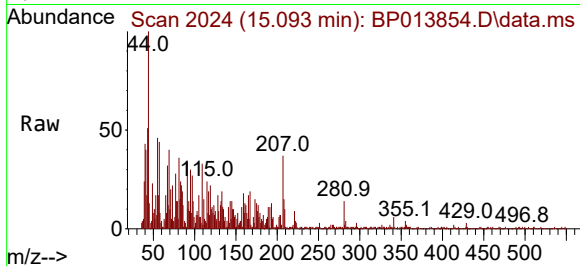




#57
2,4-Dinitrotoluene
Concen: 2.298 ng
RT: 15.093 min Scan# 20
Delta R.T. -0.011 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

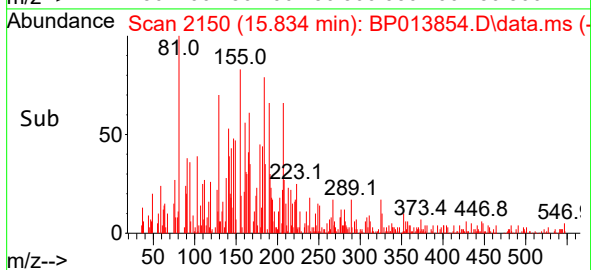
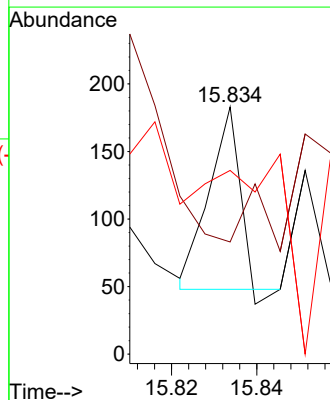
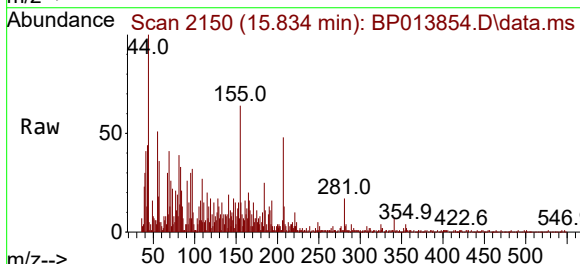
Instrument :
BNA_P
ClientSampleId :
COMP-1

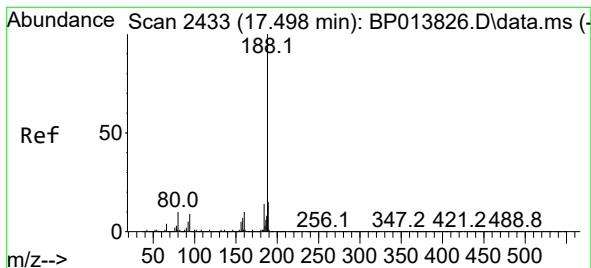
Tgt Ion:165 Resp: 163
Ion Ratio Lower Upper
165 100
63 29.4 31.1 46.7#
89 18.3 54.9 82.3#
182 24.9 2.5 3.7#



#62
4-Nitroaniline
Concen: 2.556 ng
RT: 15.834 min Scan# 2150
Delta R.T. 0.018 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

Tgt Ion:138 Resp: 65
Ion Ratio Lower Upper
138 100
92 45.4 32.0 72.0
108 74.3 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: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

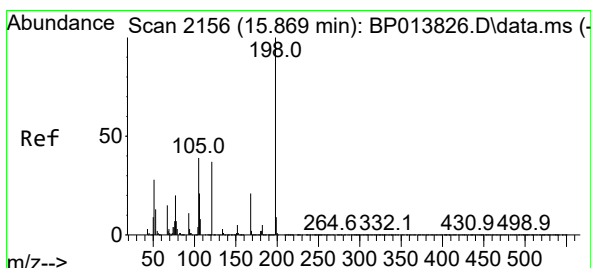
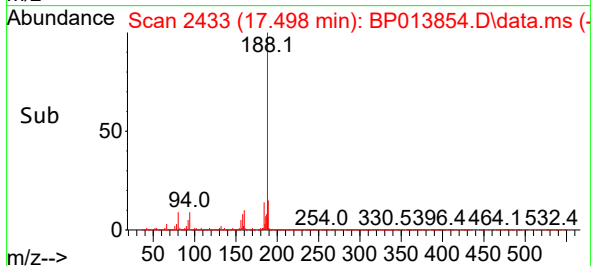
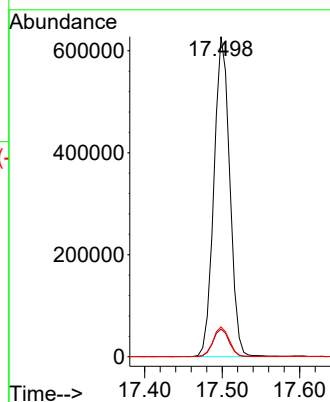
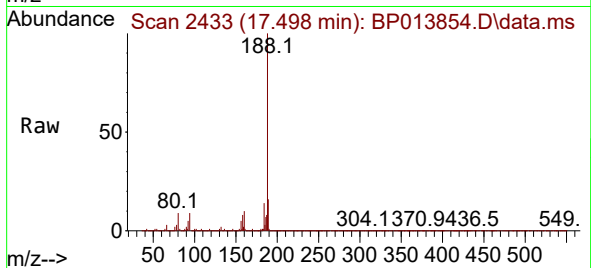
Tgt Ion:188 Resp: 891139

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

80 9.3 7.8 11.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.633 ng

RT: 15.851 min Scan# 2153

Delta R.T. -0.018 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

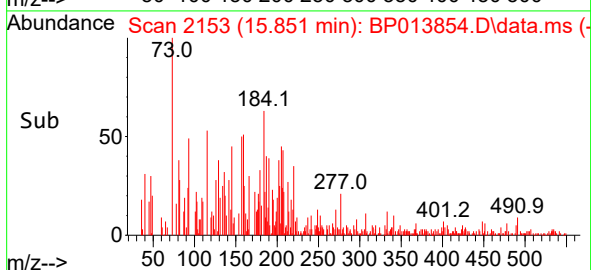
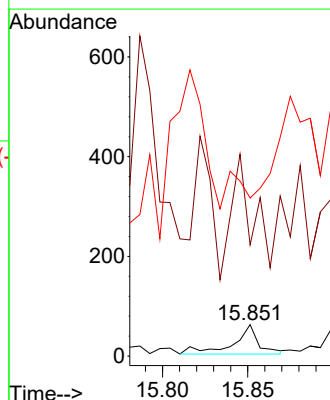
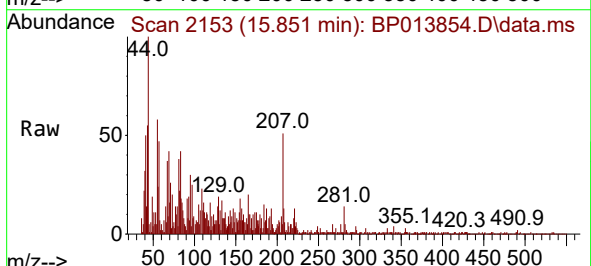
Tgt Ion:198 Resp: 61

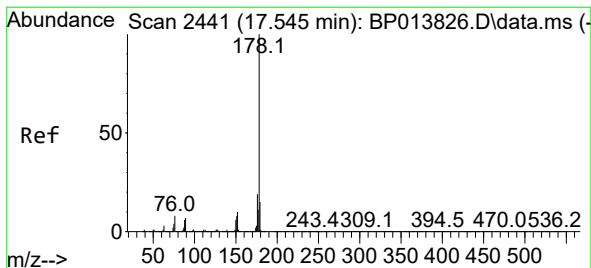
Ion Ratio Lower Upper

198 100

51 354.0 14.3 54.3#

105 503.2 20.5 60.5#





#71

Phenanthrene

Concen: 4.277 ng

RT: 17.540 min Scan# 2441

Delta R.T. -0.006 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

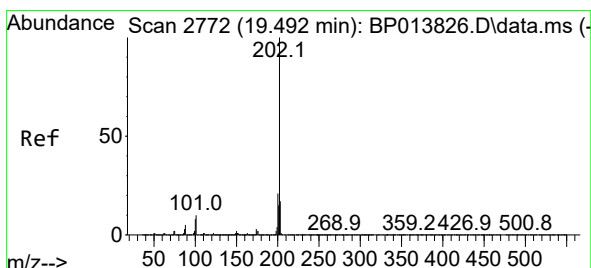
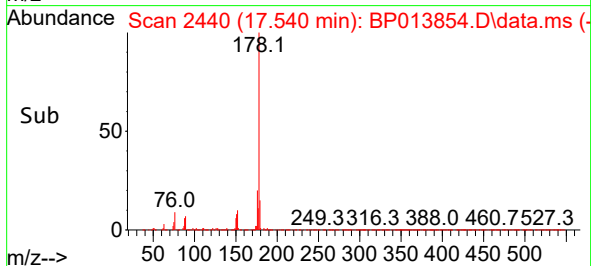
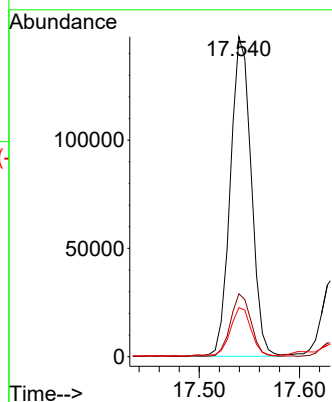
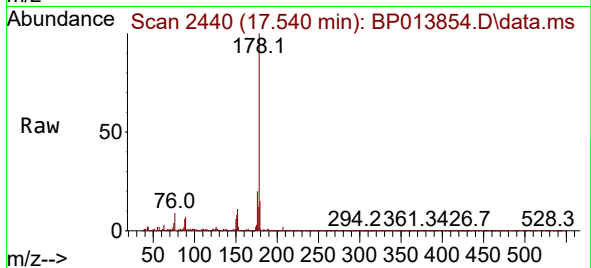
Tgt Ion:178 Resp: 213533

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

179 15.4 12.2 18.4



#75

Fluoranthene

Concen: 6.479 ng

RT: 19.492 min Scan# 2772

Delta R.T. 0.000 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

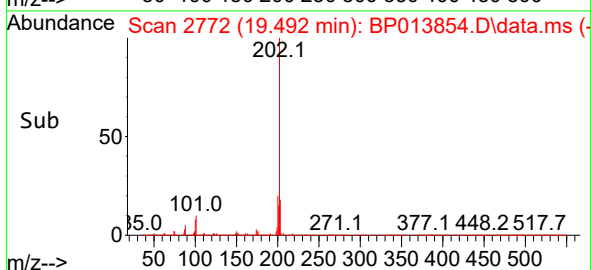
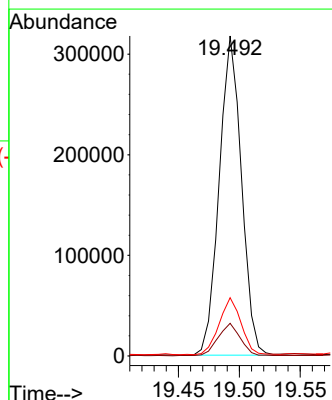
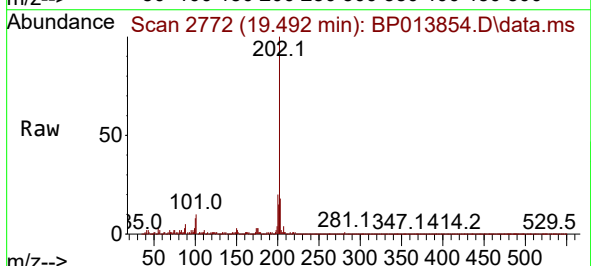
Tgt Ion:202 Resp: 403240

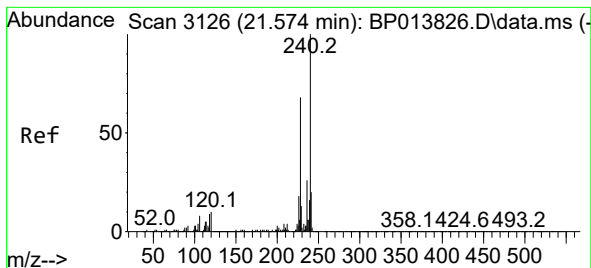
Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.0

203 18.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.580 min Scan# 3126

Delta R.T. 0.006 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

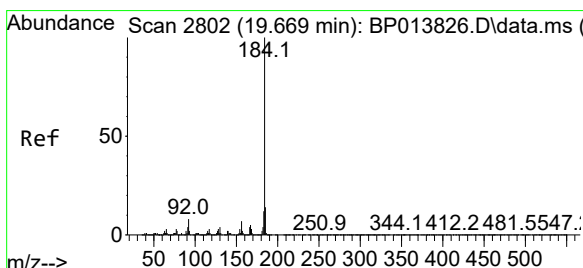
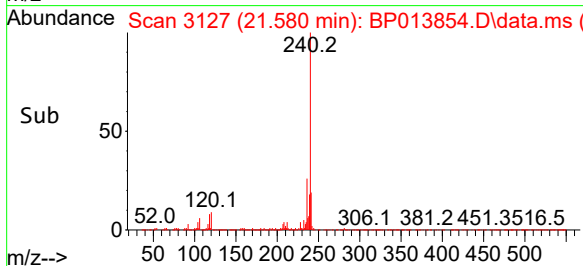
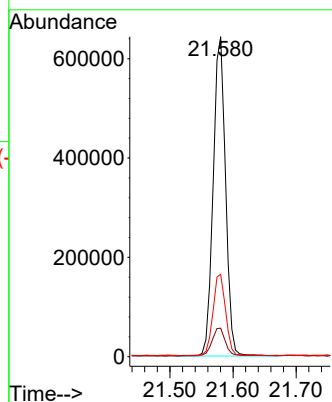
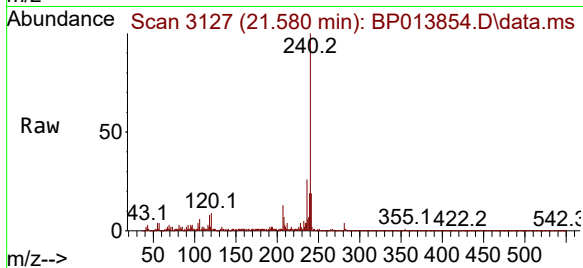
Tgt Ion:240 Resp: 875608

Ion Ratio Lower Upper

240 100

120 8.9 7.9 11.9

236 25.7 20.9 31.3



#77

Benzidine

Concen: 2.317 ng

RT: 19.669 min Scan# 2802

Delta R.T. -0.000 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

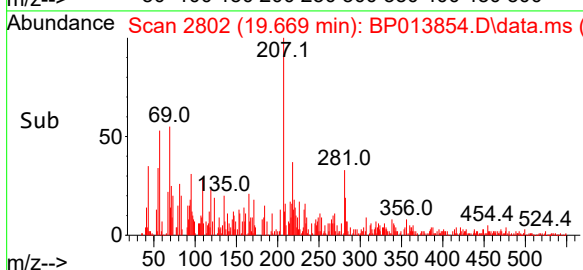
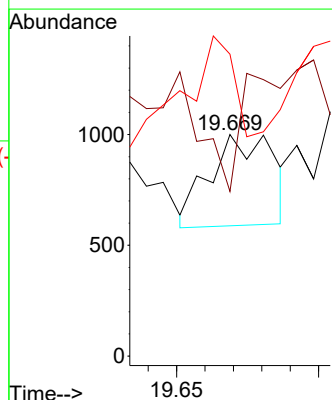
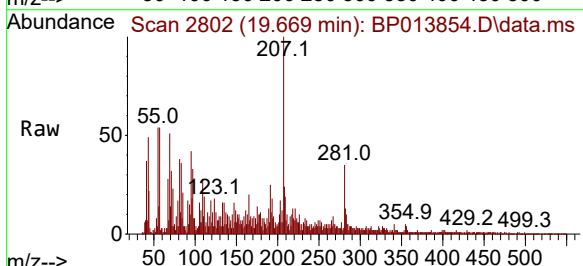
Tgt Ion:184 Resp: 637

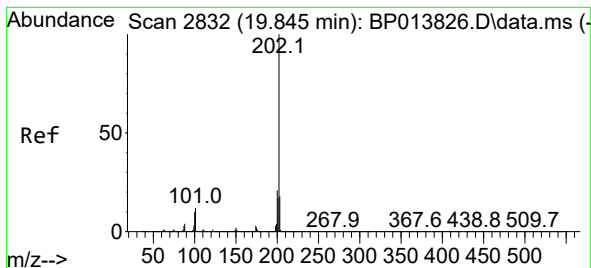
Ion Ratio Lower Upper

184 100

185 74.3 11.4 17.0#

183 136.3 9.6 14.4#





#78

Pyrene

Concen: 6.060 ng

RT: 19.845 min Scan# 2832

Delta R.T. 0.000 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

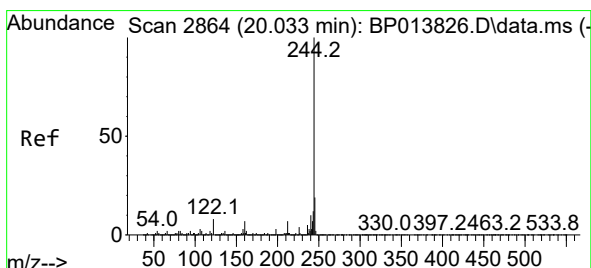
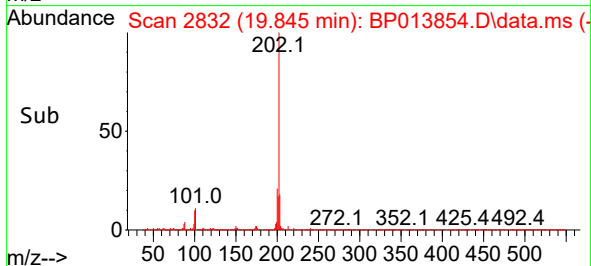
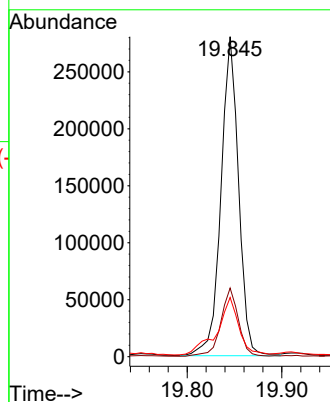
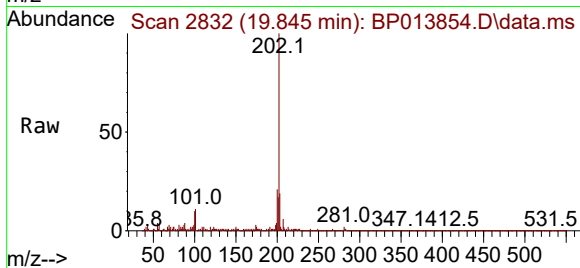
Tgt Ion:202 Resp: 362605

Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 18.5 14.2 21.2



#79

Terphenyl-d14

Concen: 42.974 ng

RT: 20.034 min Scan# 2864

Delta R.T. 0.000 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

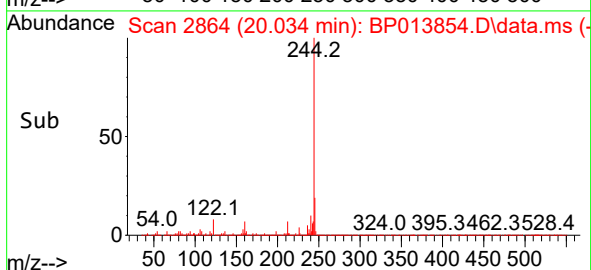
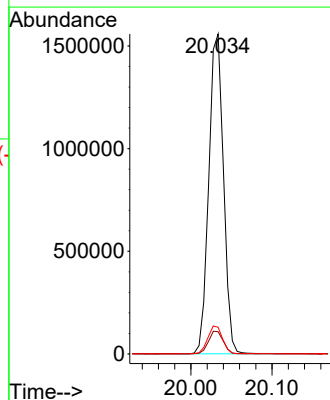
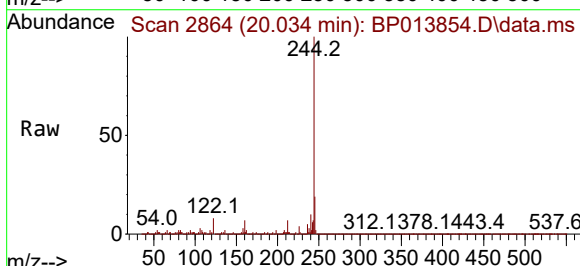
Tgt Ion:244 Resp: 1955748

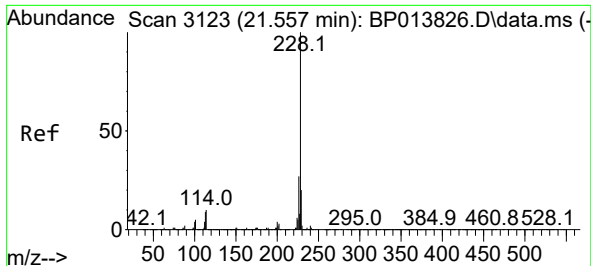
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 8.3 6.7 10.1

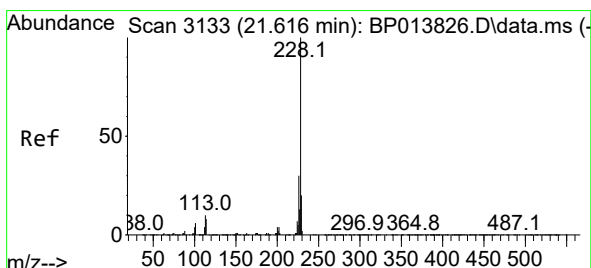
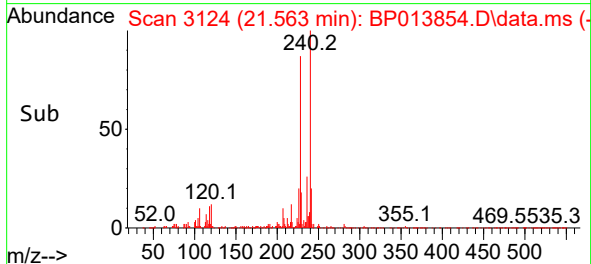
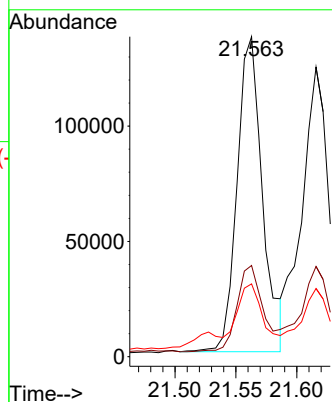
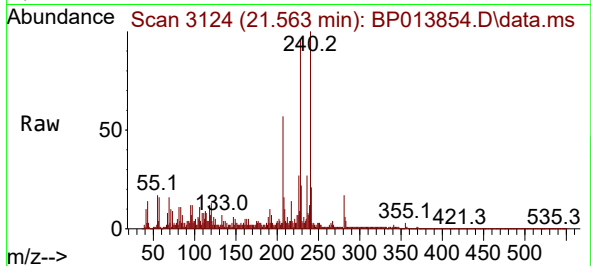




#81
Benzo(a)anthracene
Concen: 3.155 ng
RT: 21.563 min Scan# 3124
Delta R.T. 0.006 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

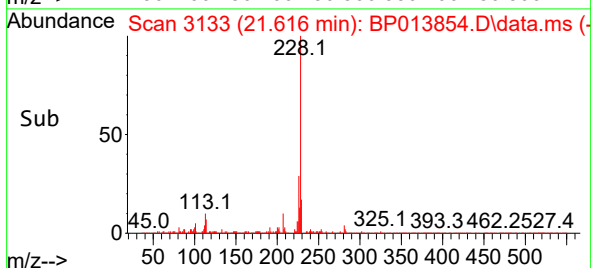
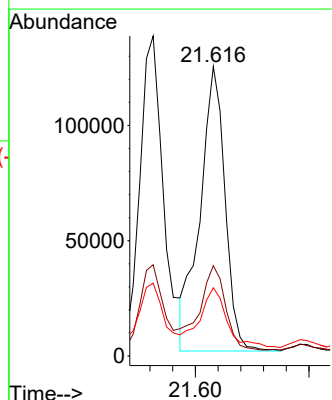
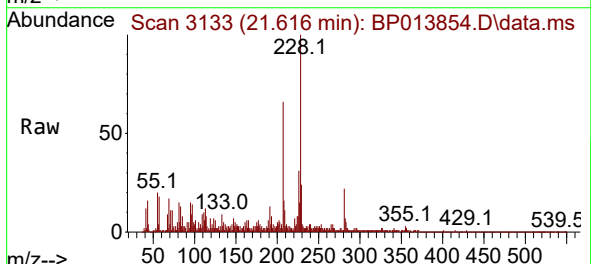
Instrument :
BNA_P
ClientSampleId :
COMP-1

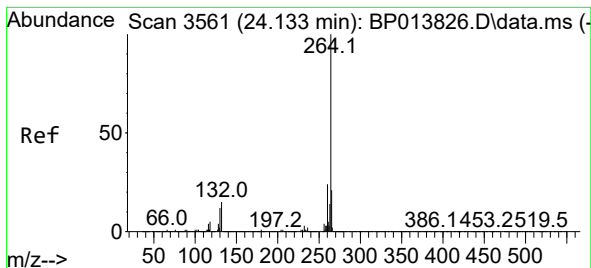
Tgt Ion:228 Resp: 197808
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 22.8 15.8 23.6



#83
Chrysene
Concen: 3.113 ng
RT: 21.616 min Scan# 3133
Delta R.T. 0.000 min
Lab File: BP013854.D
Acq: 17 Feb 2023 20:15

Tgt Ion:228 Resp: 189109
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.8
229 23.5 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.139 min Scan# 3561

Delta R.T. 0.006 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

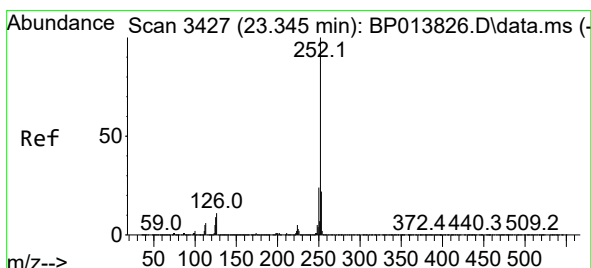
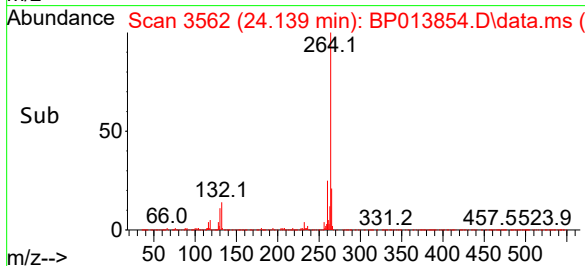
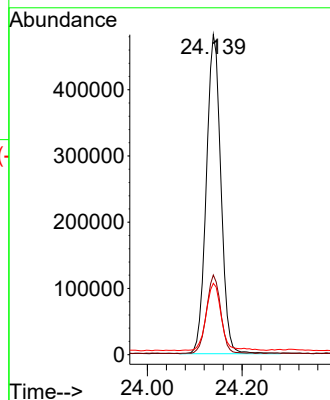
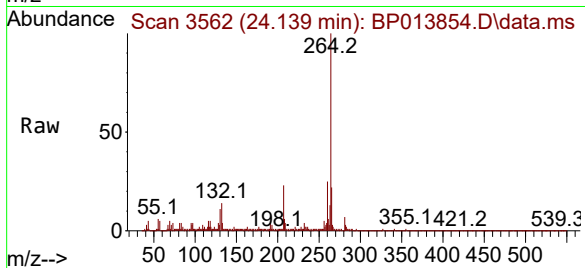
Tgt Ion:264 Resp: 1025991

Ion Ratio Lower Upper

264 100

260 24.9 19.4 29.0

265 22.3 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 3.897 ng

RT: 23.351 min Scan# 3428

Delta R.T. 0.006 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

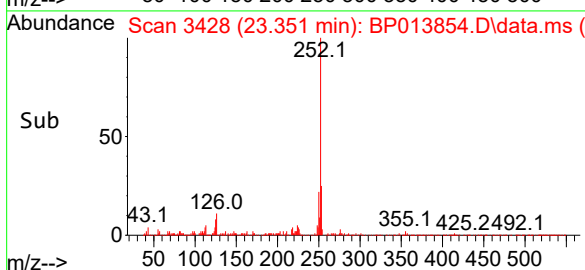
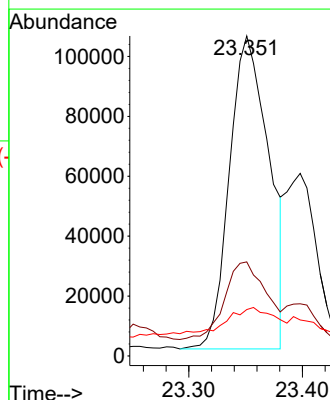
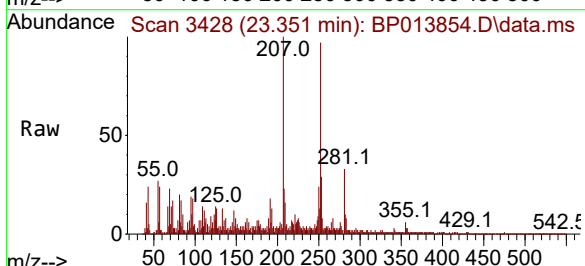
Tgt Ion:252 Resp: 252881

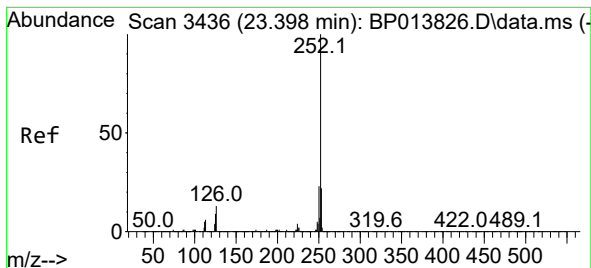
Ion Ratio Lower Upper

252 100

253 29.4 17.8 26.6#

125 14.5 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 3.839 ng

RT: 23.351 min Scan# 3436

Delta R.T. -0.047 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1

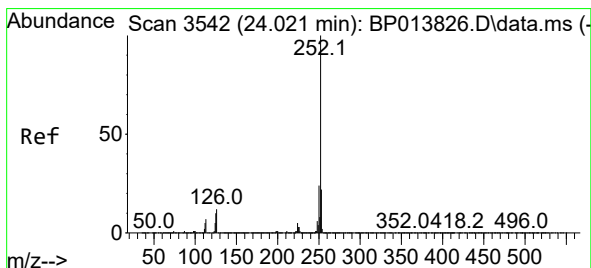
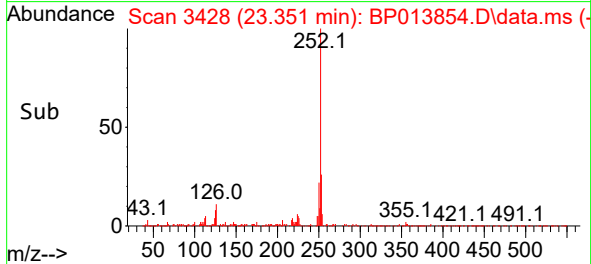
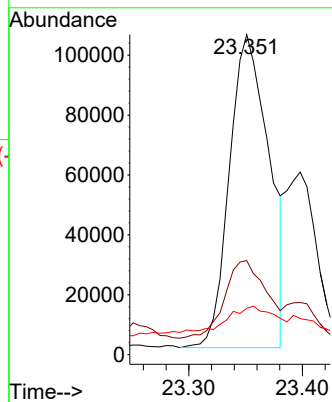
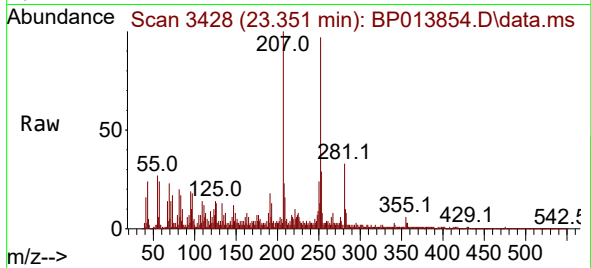
Tgt Ion:252 Resp: 252881

Ion Ratio Lower Upper

252 100

253 29.4 17.5 26.3#

125 14.5 7.0 10.4#



#90

Benzo(a)pyrene

Concen: 2.793 ng

RT: 24.022 min Scan# 3542

Delta R.T. 0.000 min

Lab File: BP013854.D

Acq: 17 Feb 2023 20:15

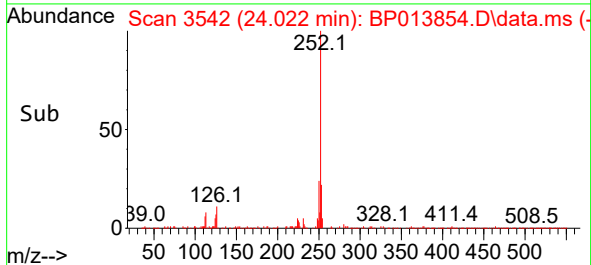
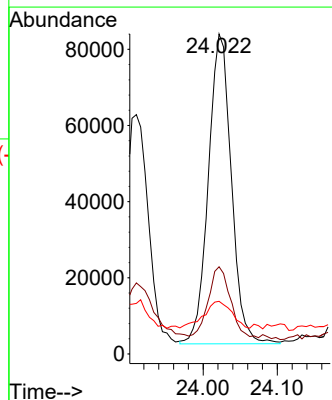
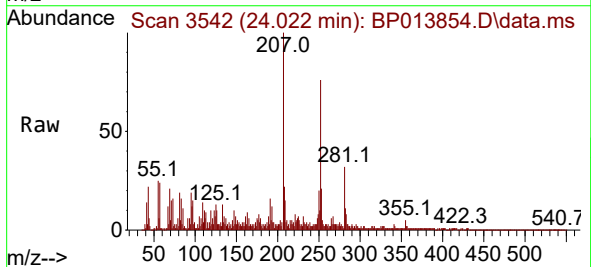
Tgt Ion:252 Resp: 175226

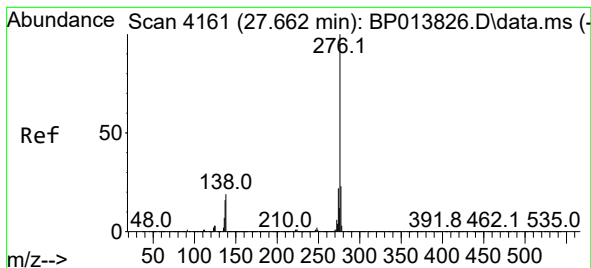
Ion Ratio Lower Upper

252 100

253 27.3 17.4 26.0#

125 16.4 7.7 11.5#





#92

Benzo(g,h,i)perylene

Concen: 2.172 ng

RT: 27.668 min Scan# 4162

Delta R.T. 0.006 min

Lab File: BP013854.D

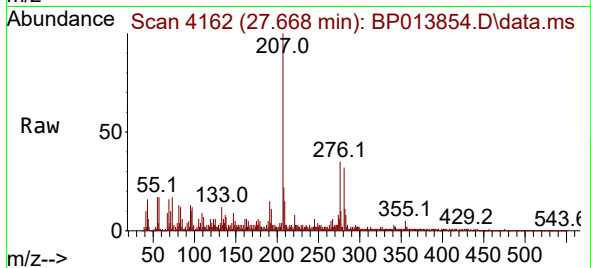
Acq: 17 Feb 2023 20:15

Instrument :

BNA_P

ClientSampleId :

COMP-1



Tgt Ion:276 Resp: 143652

Ion Ratio Lower Upper

276 100

277 28.7 18.7 28.1#

138 20.1 15.5 23.3

