

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
 Data File : BP013856.D
 Acq On : 17 Feb 2023 21:24
 Operator : CG/JU
 Sample : 01586-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-5

Quant Time: Feb 17 22:08:40 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)

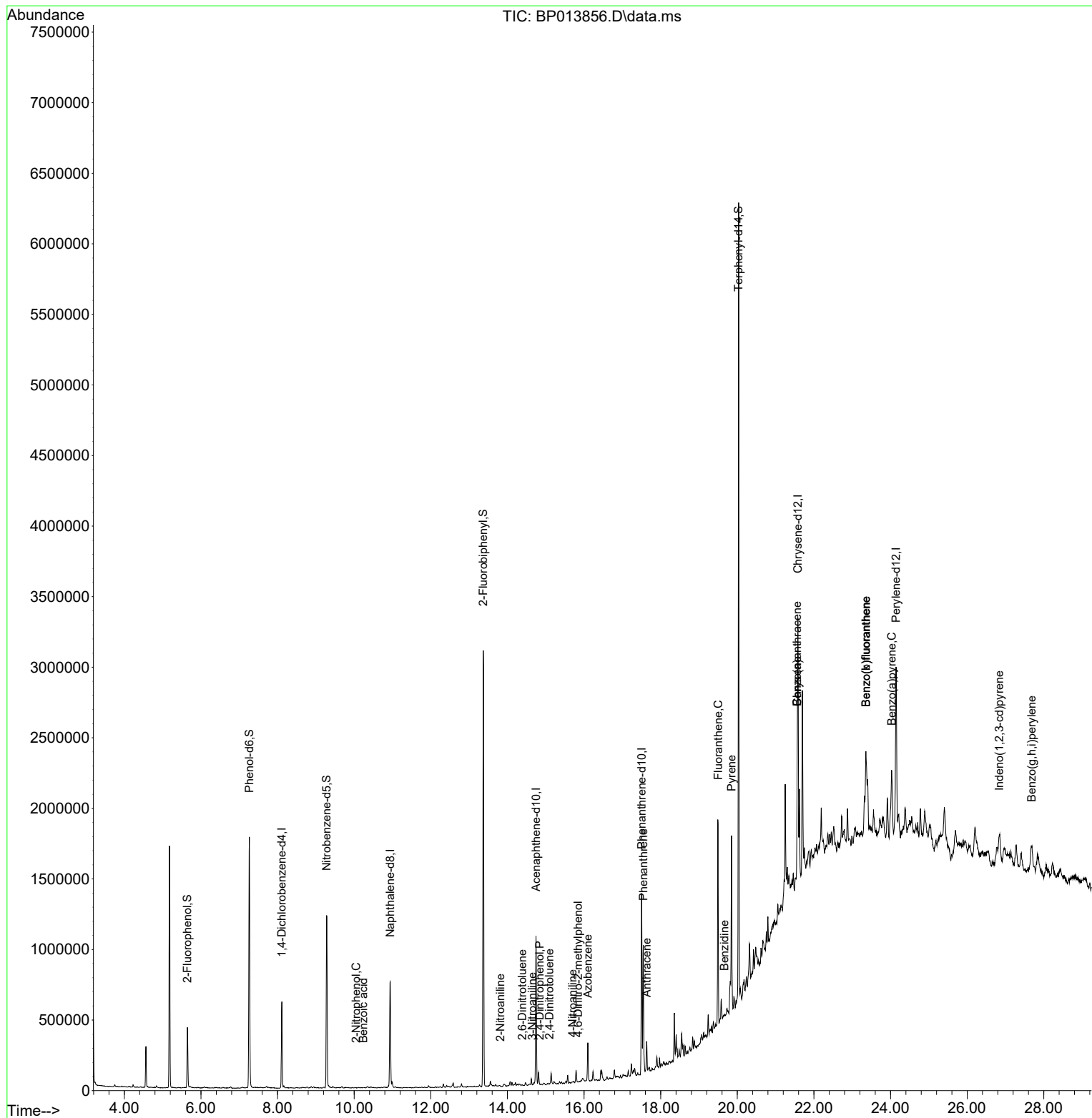
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	164702	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	638102	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	354681	20.000	ng	0.00
64) Phenanthrene-d10	17.504	188	799094	20.000	ng	0.00
76) Chrysene-d12	21.580	240	835372	20.000	ng	0.00
86) Perylene-d12	24.145	264	1016219	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	185684	18.581	ng	0.00
7) Phenol-d6	7.263	99	1023210	79.946	ng	0.00
23) Nitrobenzene-d5	9.281	82	743545	62.923	ng	0.00
42) 2,4,6-Tribromophenol	16.234	330	8025	1.554	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1597114	59.145	ng	0.00
79) Terphenyl-d14	20.033	244	2627361	60.512	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	10.052	139	64	2.779	ng	# 1
32) Benzoic acid	10.234	122	181	5.097	ng	# 31
48) 2-Nitroaniline	13.816	65	71	3.241	ng	# 34
51) 2,6-Dinitrotoluene	14.387	165	119	2.006	ng	95
53) 3-Nitroaniline	14.645	138	59	2.016	ng	# 62
54) 2,4-Dinitrophenol	14.840	184	46	5.272	ng	# 1
57) 2,4-Dinitrotoluene	15.098	165	371	2.322	ng	# 94
62) 4-Nitroaniline	15.698	138	45	2.553	ng	83
63) Azobenzene	16.098	77	73812	2.899	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.839	198	98	4.640	ng	# 1
71) Phenanthrene	17.545	178	555076	12.399	ng	100
72) Anthracene	17.634	178	136291	3.045	ng	100
75) Fluoranthene	19.498	202	885851	15.874	ng	99
77) Benzidine	19.663	184	282	2.298	ng	# 1
78) Pyrene	19.851	202	745436	13.058	ng	99
81) Benzo(a)anthracene	21.563	228	432674	7.233	ng	97
83) Chrysene	21.563	228	432674	7.466	ng	96
87) Indeno(1,2,3-cd)pyrene	26.839	276	261323	3.306	ng	96
88) Benzo(b)fluoranthene	23.357	252	505740	7.869	ng	# 91
89) Benzo(k)fluoranthene	23.357	252	505740	7.752	ng	# 90
90) Benzo(a)pyrene	24.027	252	371682	5.982	ng	# 91
92) Benzo(g,h,i)perylene	27.680	276	260438	3.977	ng	95

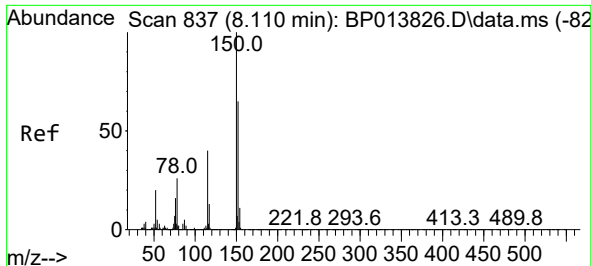
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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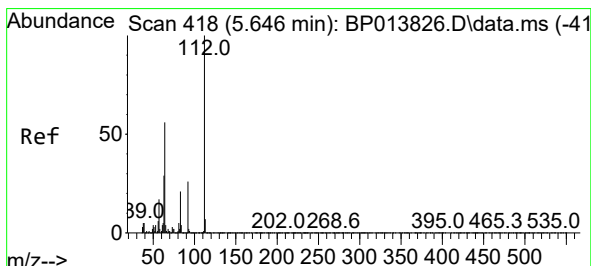
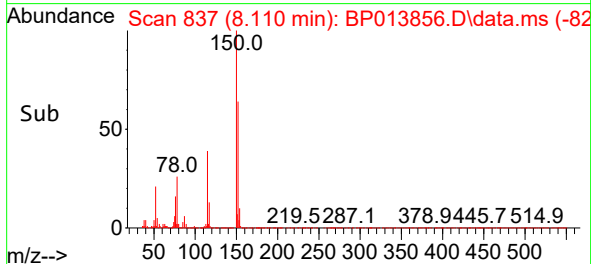
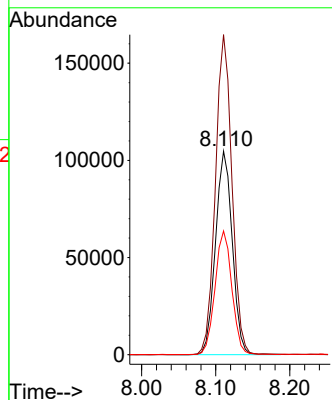
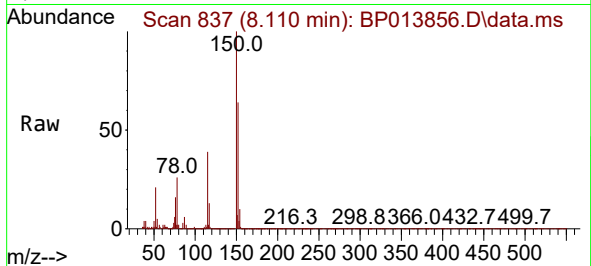




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

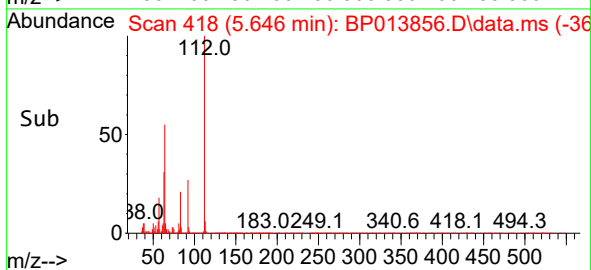
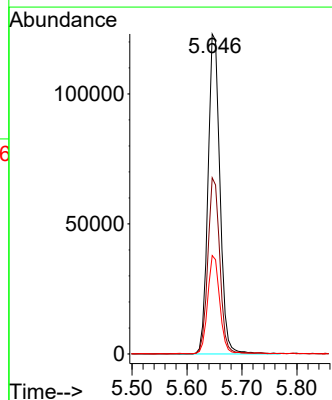
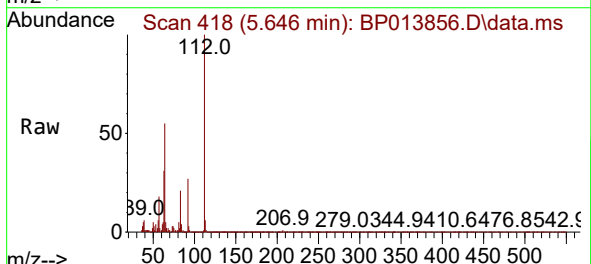
Instrument :
BNA_P
ClientSampleId :
COMP-5

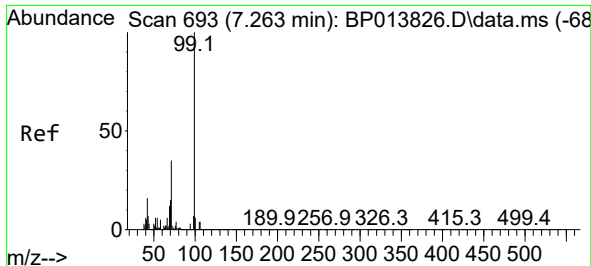
Tgt Ion:152 Resp: 164702
Ion Ratio Lower Upper
152 100
150 157.2 122.8 184.2
115 60.7 49.0 73.6



#5
2-Fluorophenol
Concen: 18.581 ng
RT: 5.646 min Scan# 418
Delta R.T. 0.000 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

Tgt Ion:112 Resp: 185684
Ion Ratio Lower Upper
112 100
64 55.1 44.6 66.8
63 30.7 23.6 35.4

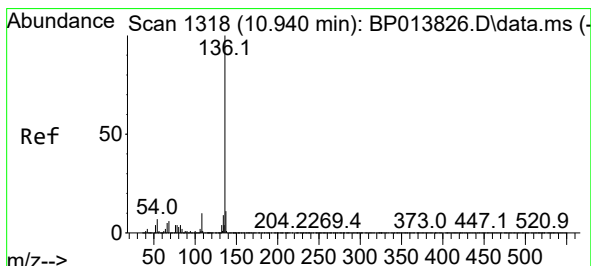
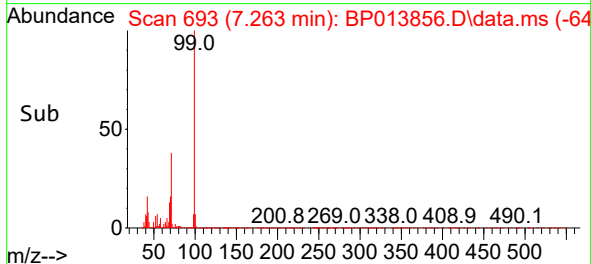
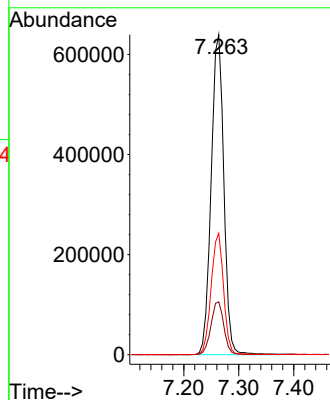
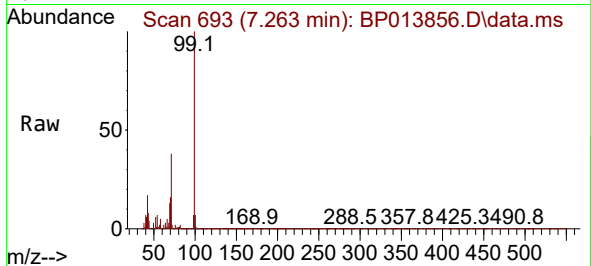




#7
Phenol-d6
Concen: 79.946 ng
RT: 7.263 min Scan# 693
Delta R.T. 0.000 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

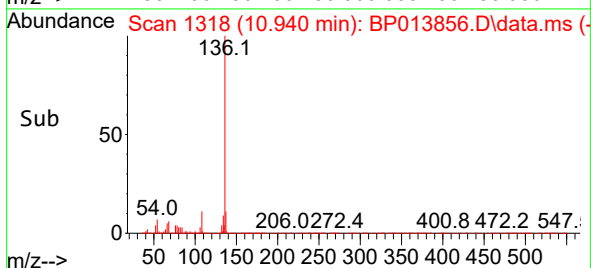
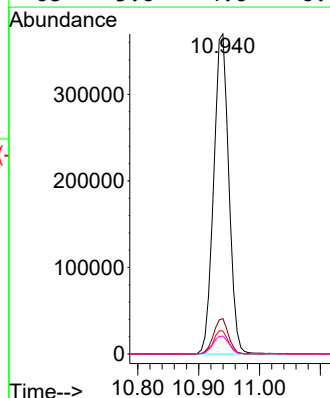
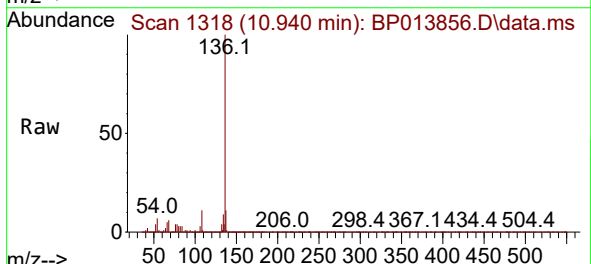
Instrument :
BNA_P
ClientSampleId :
COMP-5

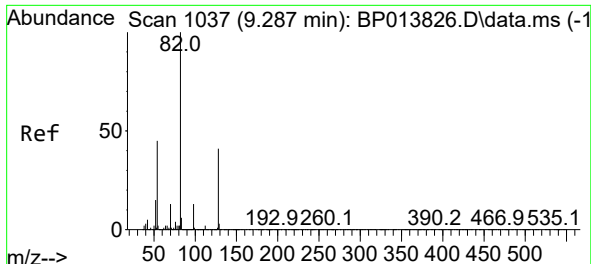
Tgt Ion: 99 Resp: 1023210
Ion Ratio Lower Upper
99 100
42 16.5 12.5 18.7
71 37.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.940 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

Tgt Ion: 136 Resp: 638102
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 7.2 5.8 8.6
68 5.6 4.6 6.8

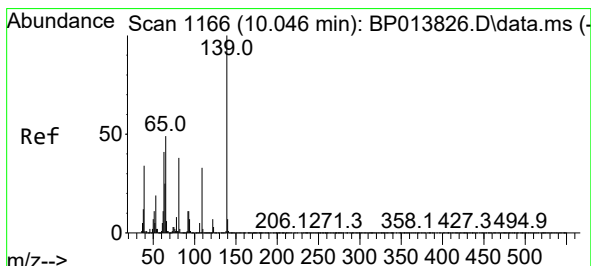
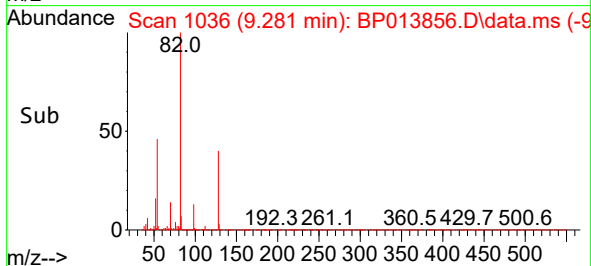
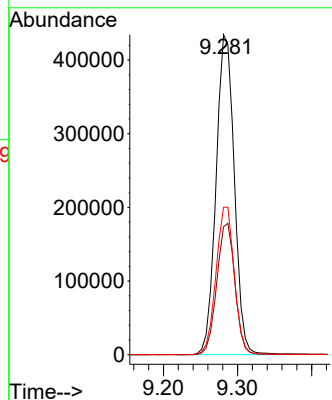
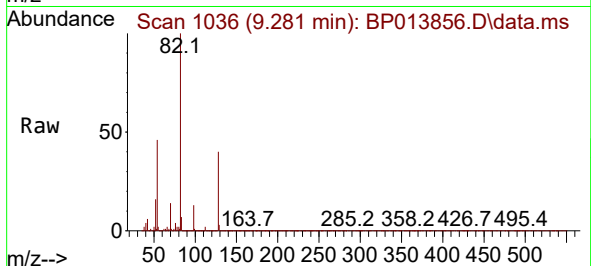




#23
Nitrobenzene-d5
Concen: 62.923 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

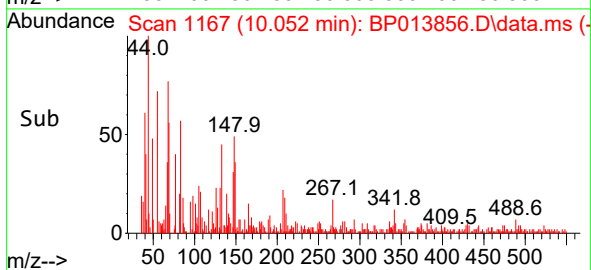
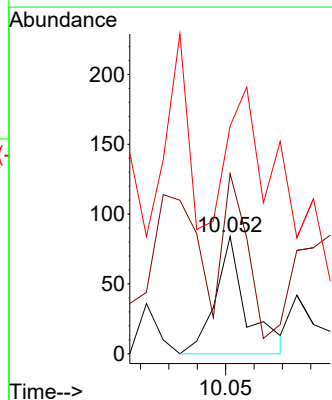
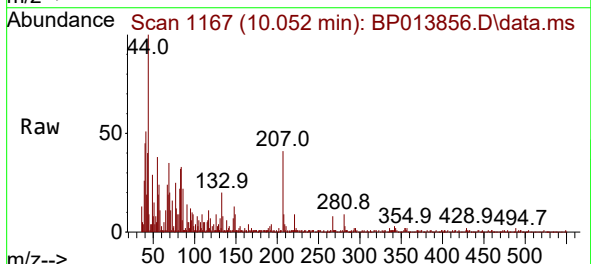
Instrument :
BNA_P
ClientSampleId :
COMP-5

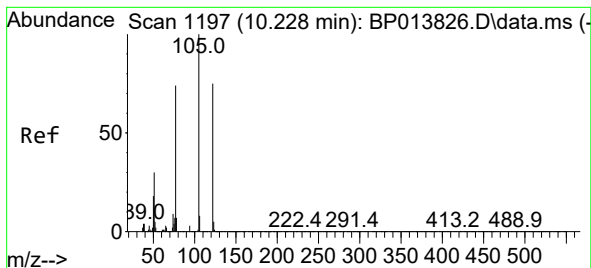
Tgt Ion: 82 Resp: 743545
Ion Ratio Lower Upper
82 100
128 40.0 32.9 49.3
54 46.1 35.6 53.4



#26
2-Nitrophenol
Concen: 2.779 ng
RT: 10.052 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

Tgt Ion:139 Resp: 64
Ion Ratio Lower Upper
139 100
109 178.6 26.7 40.1#
65 207.1 39.4 59.2#





#32

Benzoic acid

Concen: 5.097 ng

RT: 10.234 min Scan# 1198

Delta R.T. 0.006 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

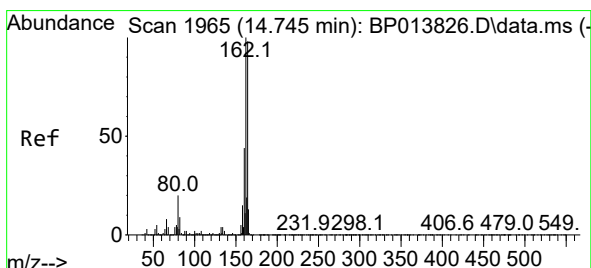
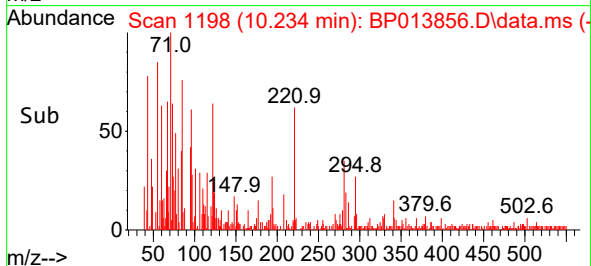
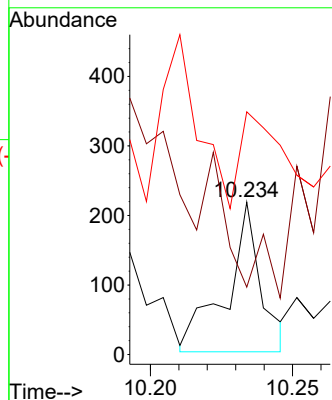
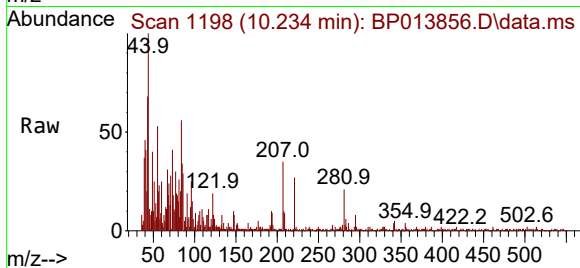
Tgt Ion:122 Resp: 181

Ion Ratio Lower Upper

122 100

105 44.3 107.4 147.4#

77 159.4 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: BP013856.D

Acq: 17 Feb 2023 21:24

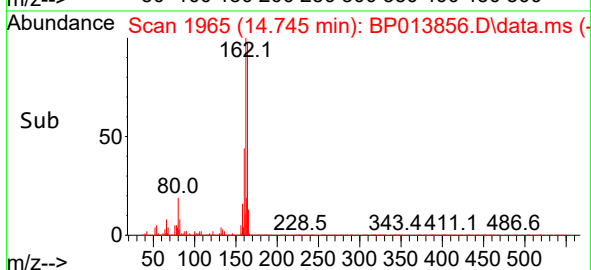
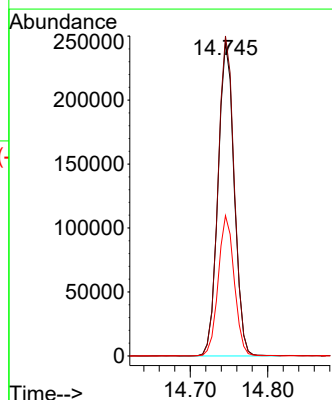
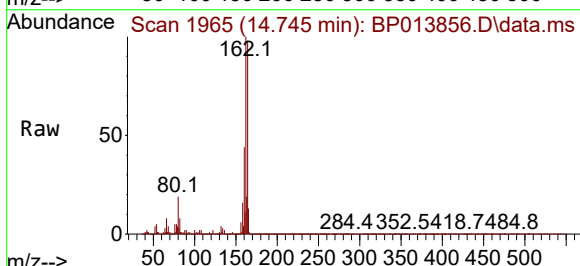
Tgt Ion:164 Resp: 354681

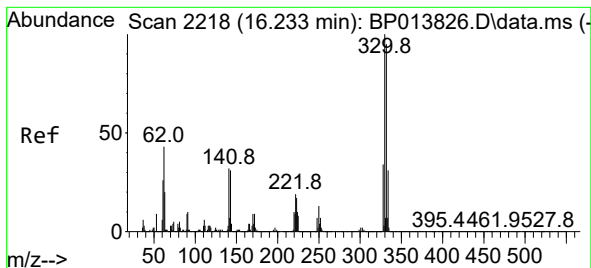
Ion Ratio Lower Upper

164 100

162 102.1 81.7 122.5

160 44.8 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 1.554 ng

RT: 16.234 min Scan# 2218

Delta R.T. 0.000 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

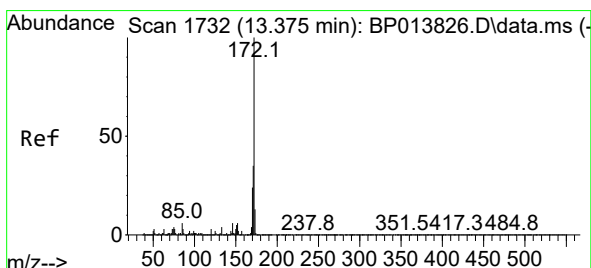
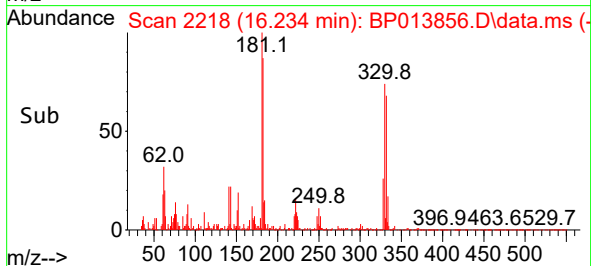
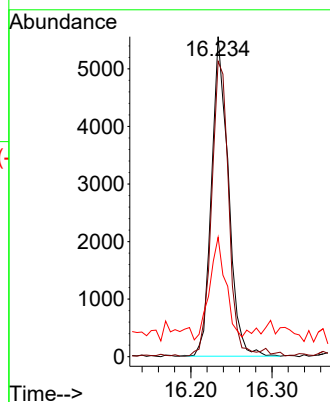
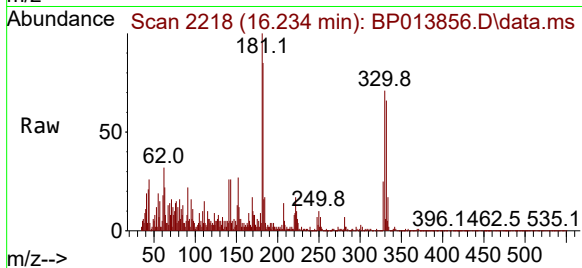
Tgt Ion:330 Resp: 8025

Ion Ratio Lower Upper

330 100

332 93.0 76.7 115.1

141 30.9 25.1 37.7



#45

2-Fluorobiphenyl

Concen: 59.145 ng

RT: 13.369 min Scan# 1731

Delta R.T. -0.006 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

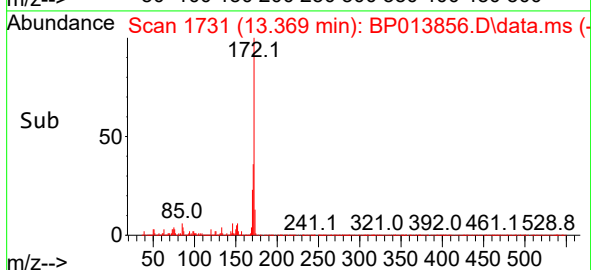
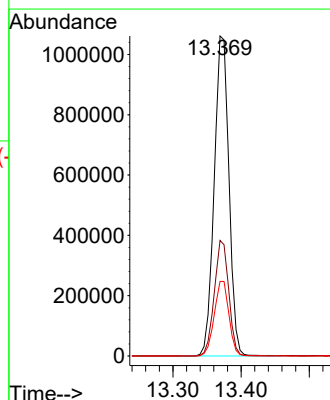
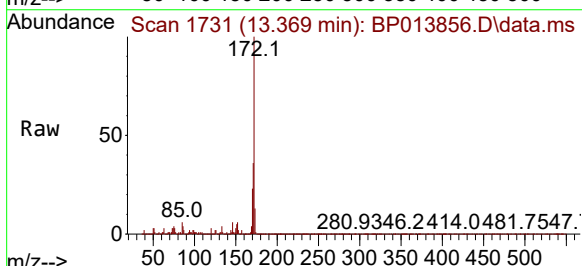
Tgt Ion:172 Resp: 1597114

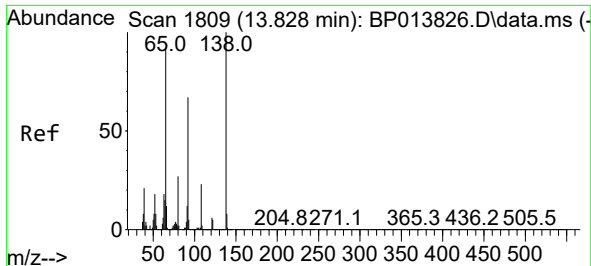
Ion Ratio Lower Upper

172 100

171 36.1 28.2 42.4

170 23.3 19.0 28.4

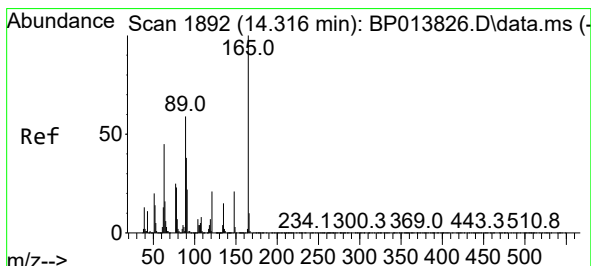
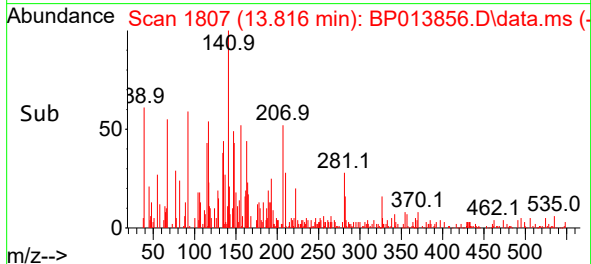
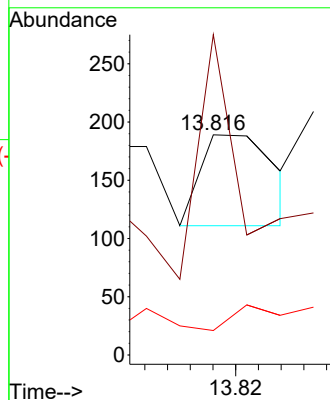
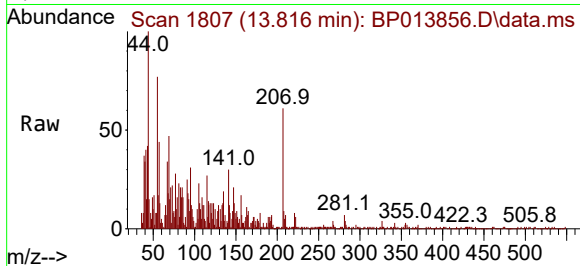




#48
2-Nitroaniline
Concen: 3.241 ng
RT: 13.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

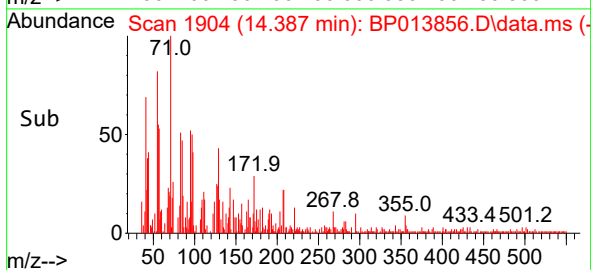
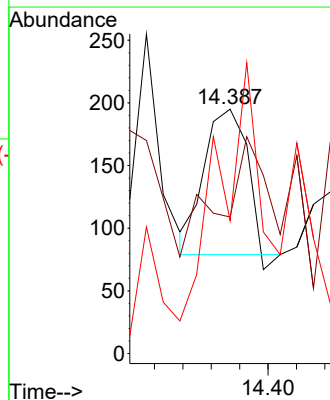
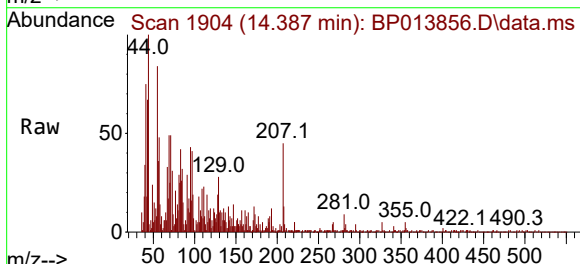
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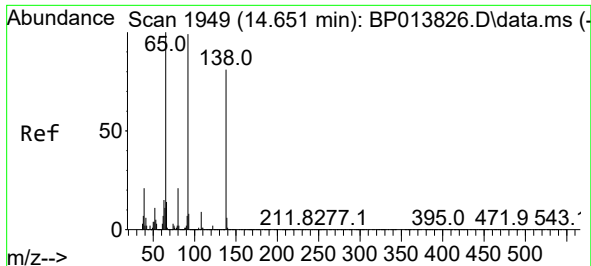
Tgt Ion: 65 Resp: 71
Ion Ratio Lower Upper
65 100
92 90.5 58.7 88.1#
138 6.9 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.006 ng
RT: 14.387 min Scan# 1904
Delta R.T. 0.071 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

Tgt Ion: 165 Resp: 119
Ion Ratio Lower Upper
165 100
63 55.9 42.6 63.8
89 54.4 47.1 70.7

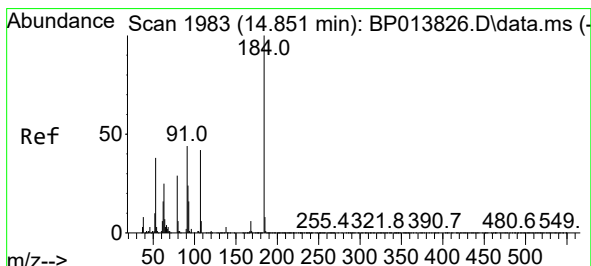
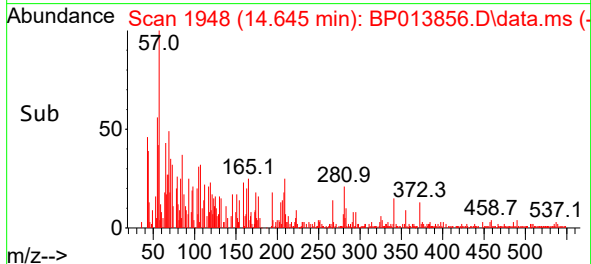
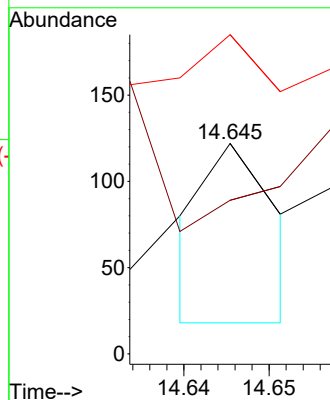
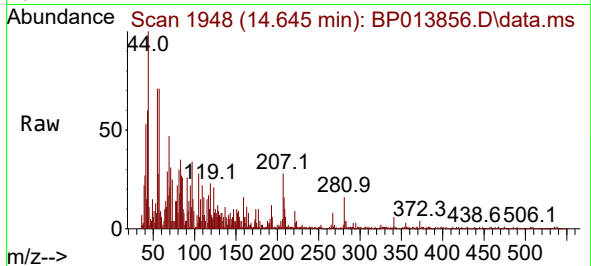




#53
3-Nitroaniline
Concen: 2.016 ng
RT: 14.645 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

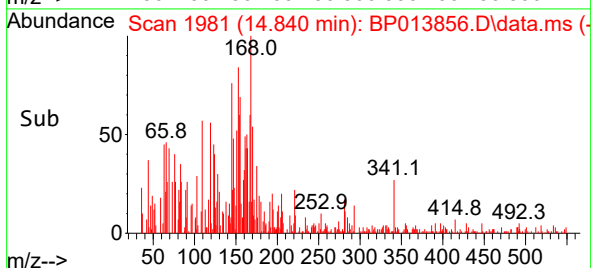
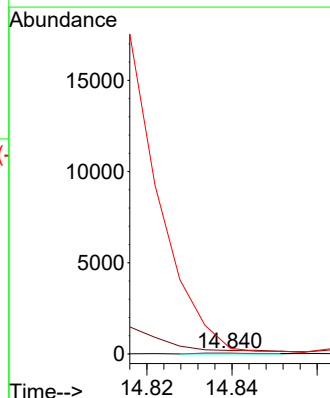
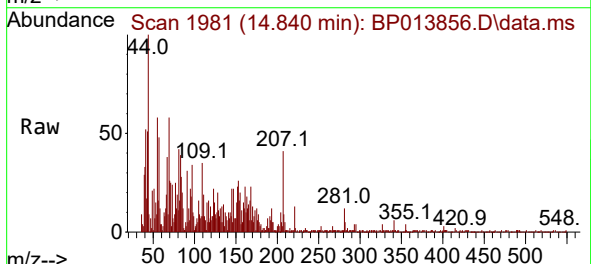
Instrument :
BNA_P
ClientSampleId :
COMP-5

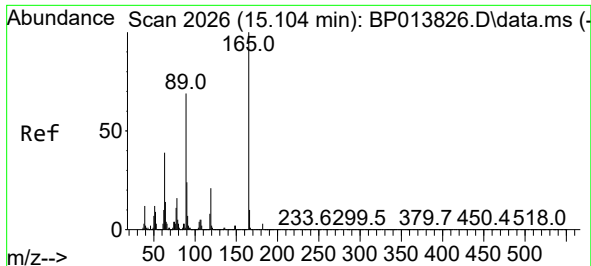
Tgt Ion:138 Resp: 59
Ion Ratio Lower Upper
138 100
108 73.0 9.0 13.4#
92 151.6 97.1 145.7#



#54
2,4-Dinitrophenol
Concen: 5.272 ng
RT: 14.840 min Scan# 1981
Delta R.T. -0.011 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

Tgt Ion:184 Resp: 46
Ion Ratio Lower Upper
184 100
63 414.9 47.0 70.4#
154 666.0 51.5 77.3#

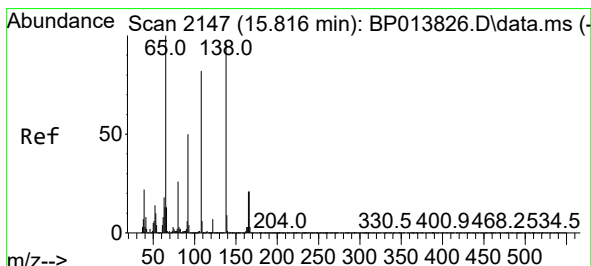
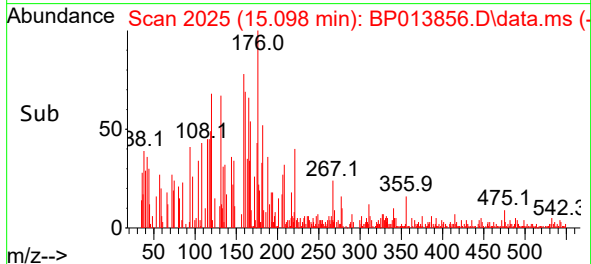
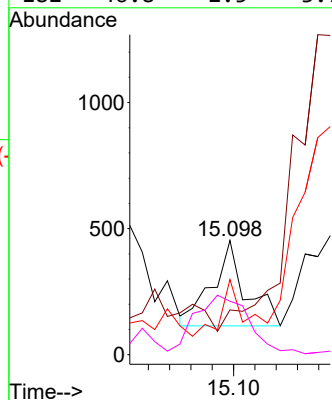
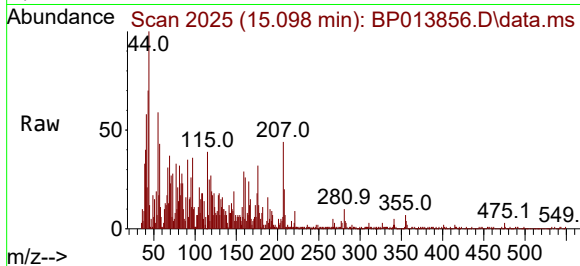




#57
2,4-Dinitrotoluene
Concen: 2.322 ng
RT: 15.098 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

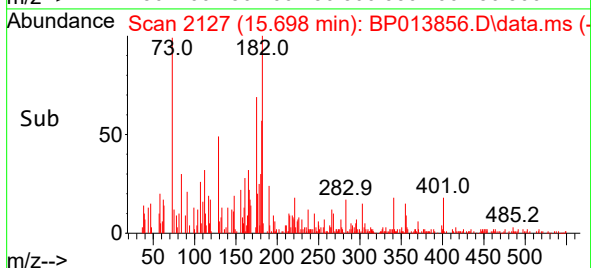
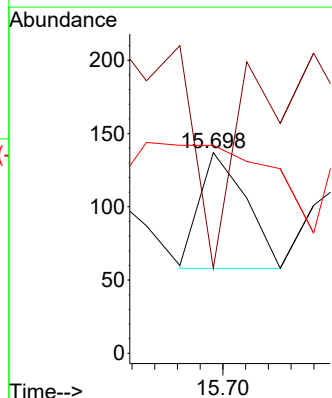
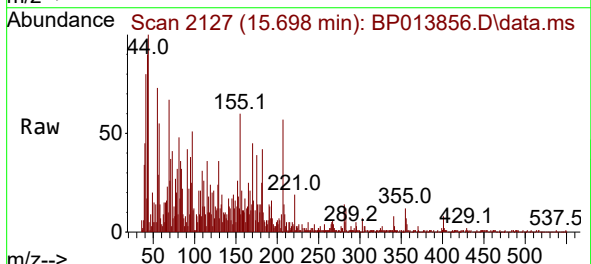
Instrument :
BNA_P
ClientSampleId :
COMP-5

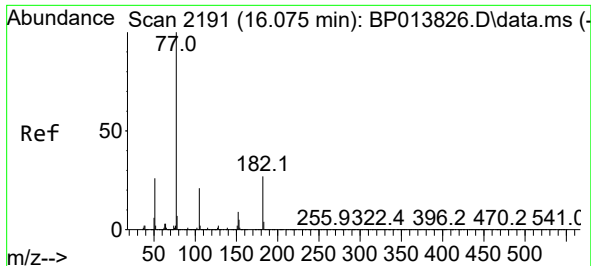
Tgt Ion:165 Resp: 371
Ion Ratio Lower Upper
165 100
63 39.3 31.1 46.7
89 65.8 54.9 82.3
182 46.8 2.5 3.7#



#62
4-Nitroaniline
Concen: 2.553 ng
RT: 15.698 min Scan# 2127
Delta R.T. -0.118 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

Tgt Ion:138 Resp: 45
Ion Ratio Lower Upper
138 100
92 42.3 32.0 72.0
108 103.6 65.6 105.6

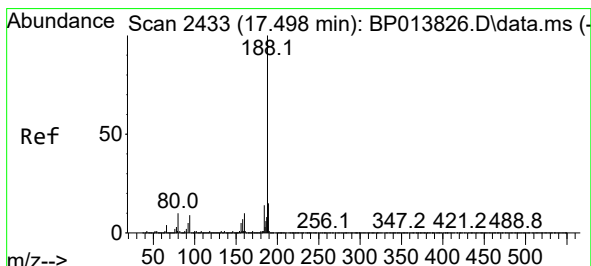
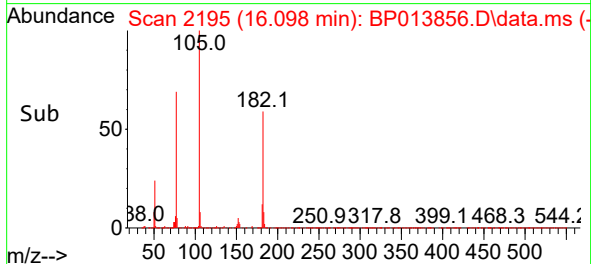
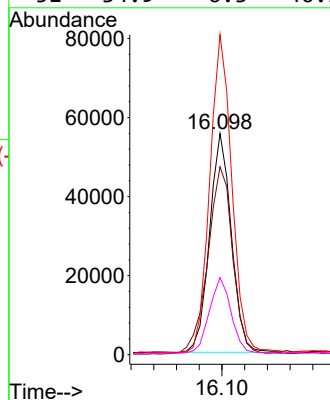
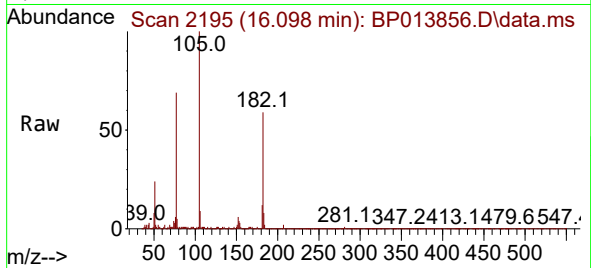




#63
Azobenzene
Concen: 2.899 ng
RT: 16.098 min Scan# 2191
Delta R.T. 0.024 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

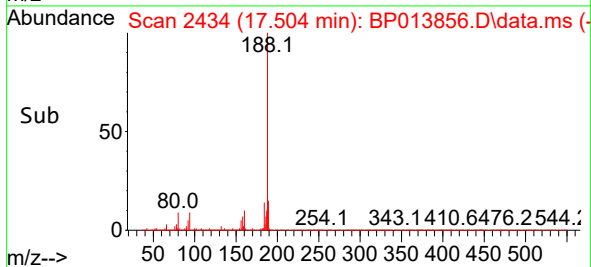
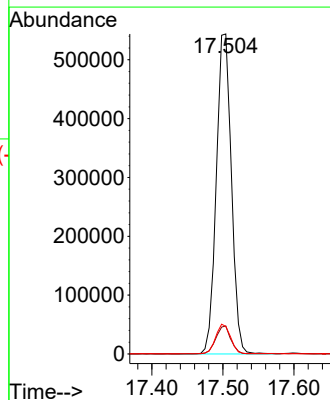
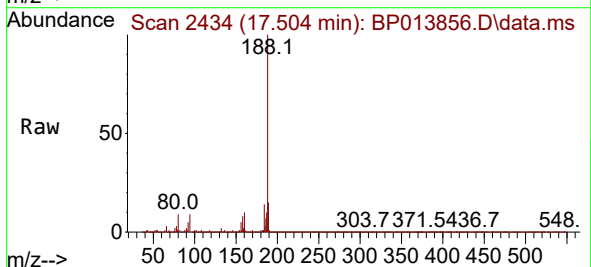
Instrument :
BNA_P
ClientSampleId :
COMP-5

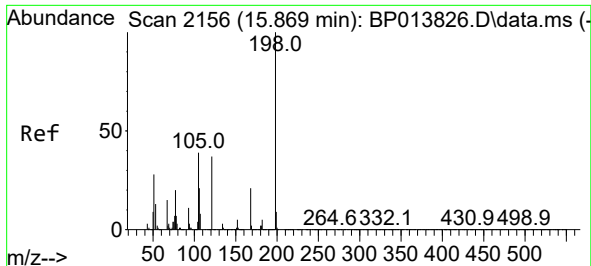
Tgt Ion: 77 Resp: 73812
Ion Ratio Lower Upper
77 100
182 84.9 6.9 46.9#
105 144.7 1.1 41.1#
51 34.9 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.504 min Scan# 2434
Delta R.T. 0.006 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

Tgt Ion: 188 Resp: 799094
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 8.6 7.8 11.8

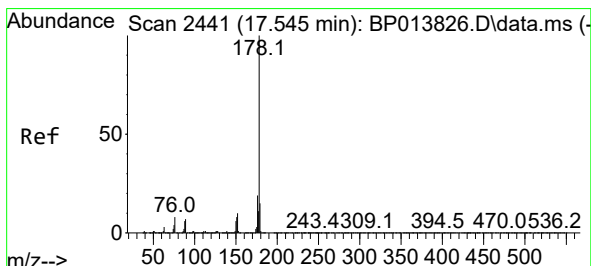
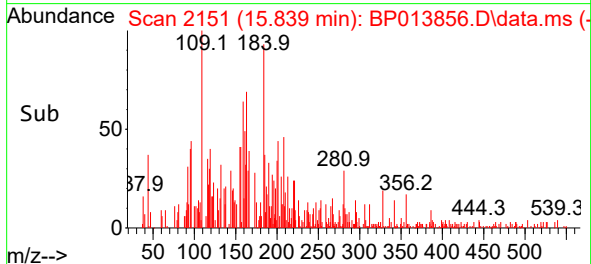
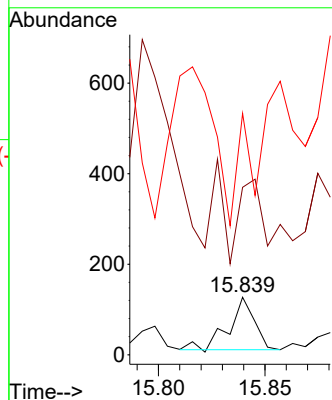
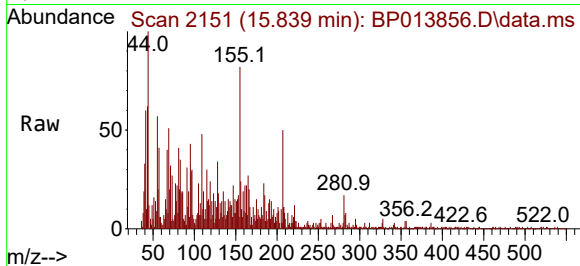




#65
4,6-Dinitro-2-methylphenol
Concen: 4.640 ng
RT: 15.839 min Scan# 2156
Delta R.T. -0.030 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

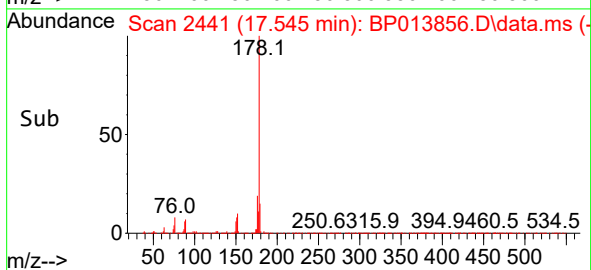
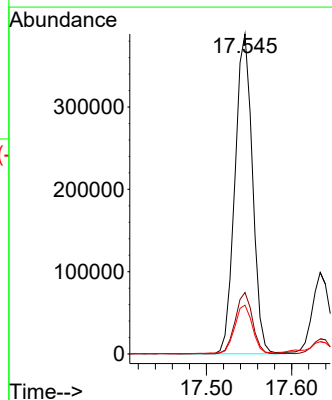
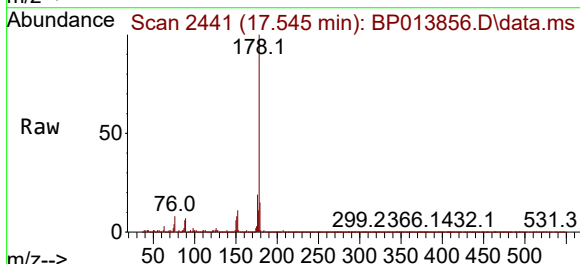
Instrument :
BNA_P
ClientSampleId :
COMP-5

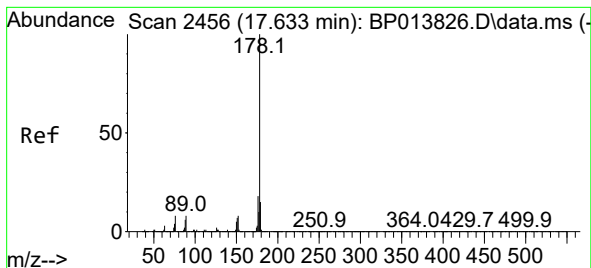
Tgt Ion:198 Resp: 98
Ion Ratio Lower Upper
198 100
51 291.3 14.3 54.3#
105 419.7 20.5 60.5#



#71
Phenanthrene
Concen: 12.399 ng
RT: 17.545 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

Tgt Ion:178 Resp: 555076
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.2 18.4





#72

Anthracene

Concen: 3.045 ng

RT: 17.634 min Scan# 2456

Delta R.T. 0.000 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

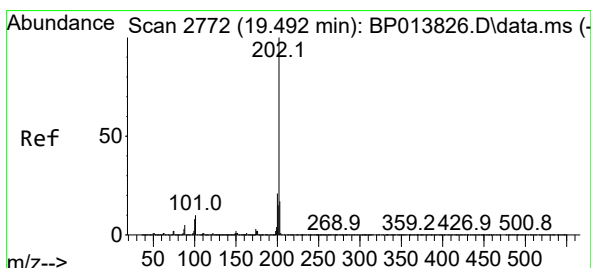
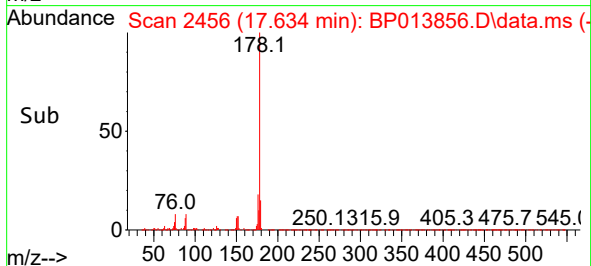
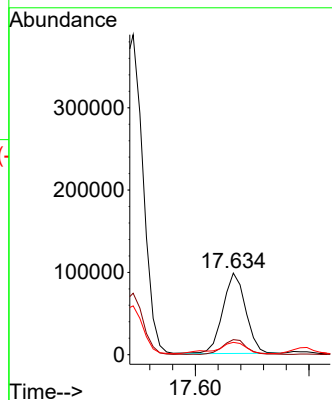
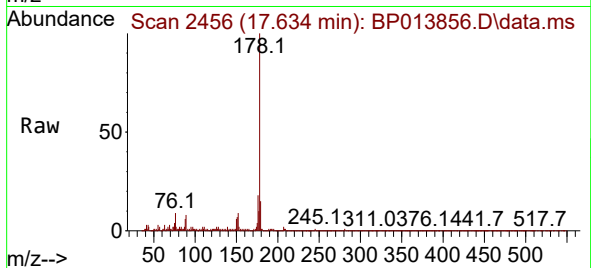
Tgt Ion:178 Resp: 136291

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

179 15.2 12.4 18.6



#75

Fluoranthene

Concen: 15.874 ng

RT: 19.498 min Scan# 2773

Delta R.T. 0.006 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

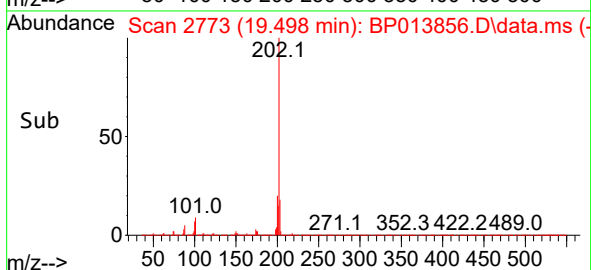
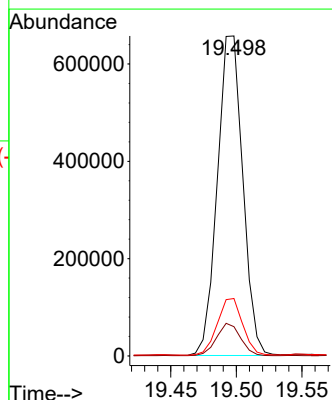
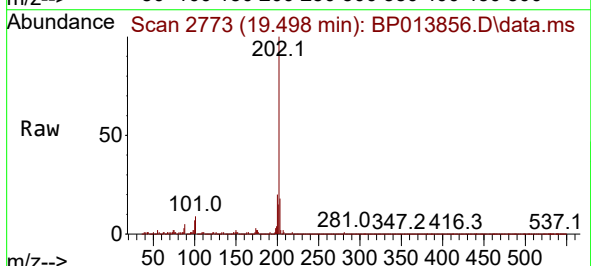
Tgt Ion:202 Resp: 885851

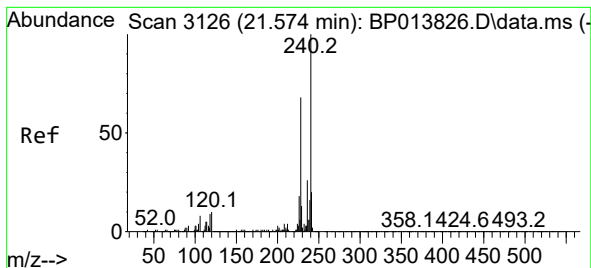
Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.0

203 18.0 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: BP013856.D

Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

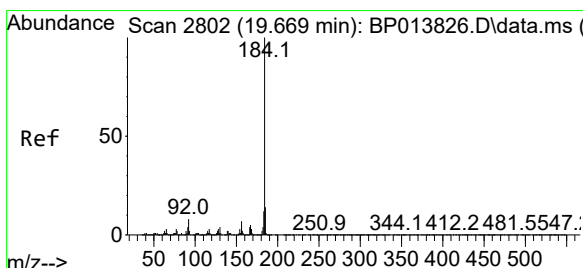
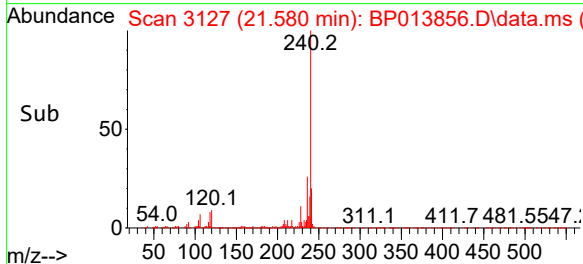
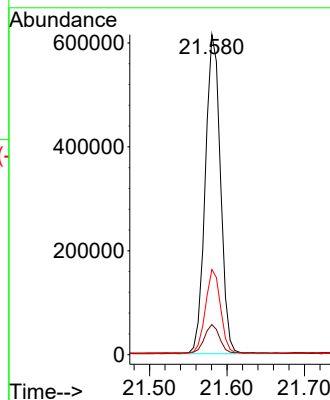
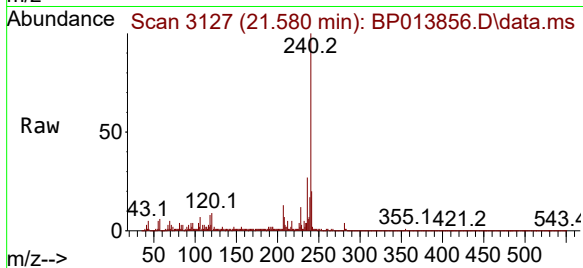
Tgt Ion:240 Resp: 835372

Ion Ratio Lower Upper

240 100

120 9.4 7.9 11.9

236 26.6 20.9 31.3



#77

Benzidine

Concen: 2.298 ng

RT: 19.663 min Scan# 2801

Delta R.T. -0.006 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

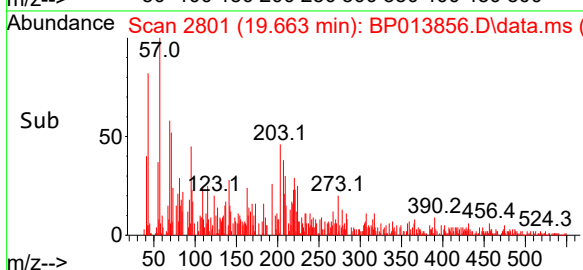
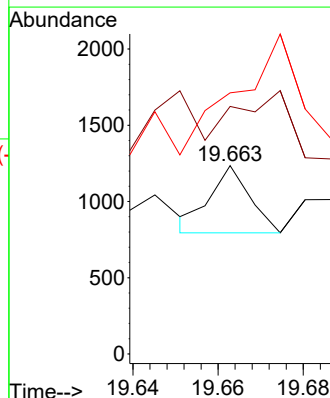
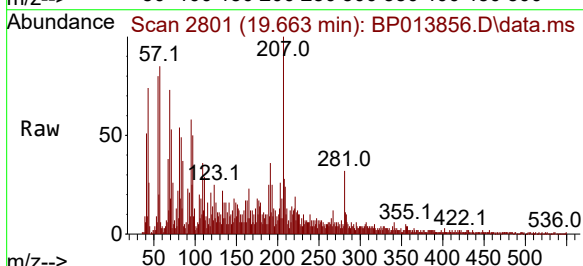
Tgt Ion:184 Resp: 282

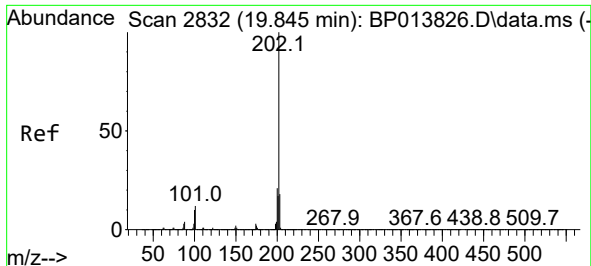
Ion Ratio Lower Upper

184 100

185 131.5 11.4 17.0#

183 138.7 9.6 14.4#

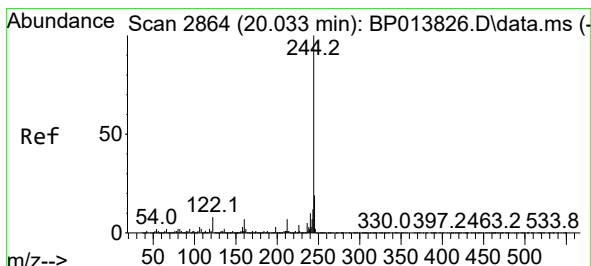
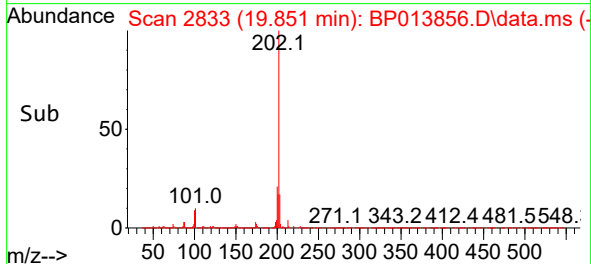
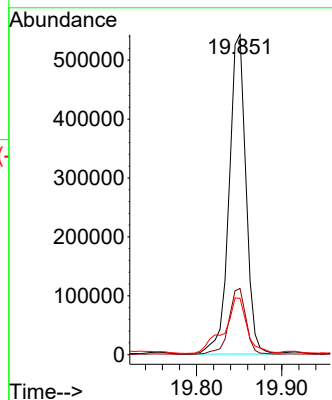
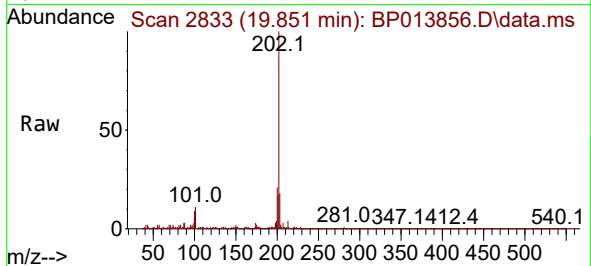




#78
 Pyrene
 Concen: 13.058 ng
 RT: 19.851 min Scan# 2833
 Delta R.T. 0.006 min
 Lab File: BP013856.D
 Acq: 17 Feb 2023 21:24

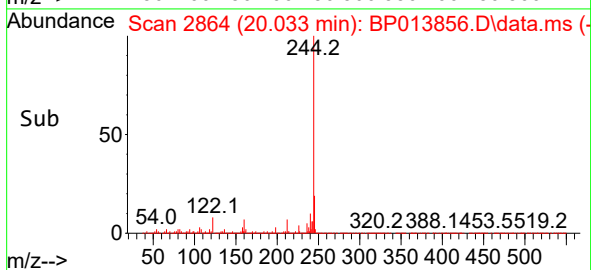
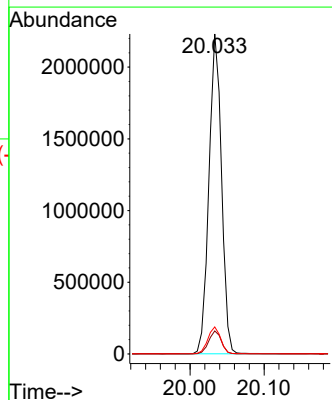
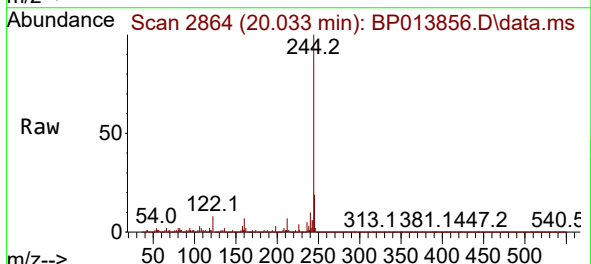
Instrument :
 BNA_P
 ClientSampleId :
 COMP-5

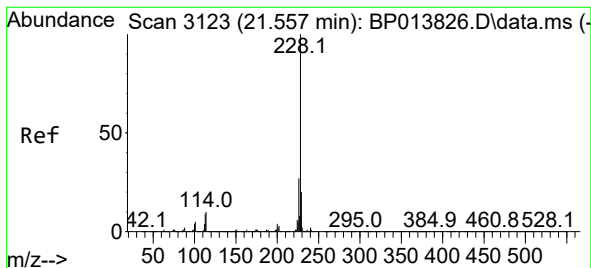
Tgt Ion:202 Resp: 745436
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.9 25.3
 203 17.6 14.2 21.2



#79
 Terphenyl-d14
 Concen: 60.512 ng
 RT: 20.033 min Scan# 2864
 Delta R.T. 0.000 min
 Lab File: BP013856.D
 Acq: 17 Feb 2023 21:24

Tgt Ion:244 Resp: 2627361
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 8.4 6.7 10.1





#81

Benzo(a)anthracene

Concen: 7.233 ng

RT: 21.563 min Scan# 3124

Delta R.T. 0.006 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

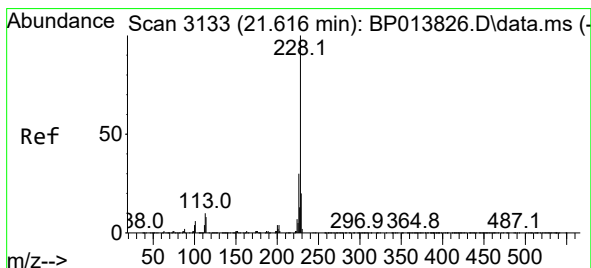
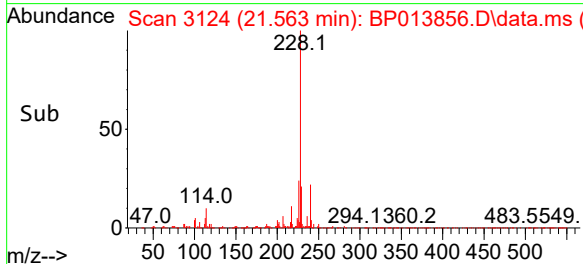
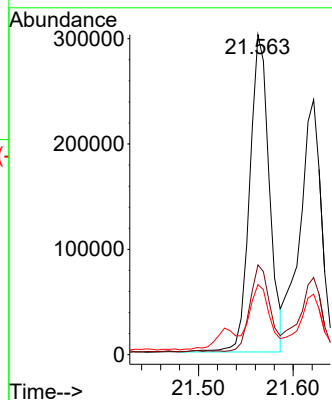
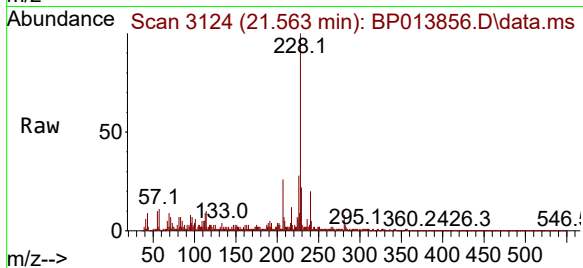
Tgt Ion:228 Resp: 432674

Ion Ratio Lower Upper

228 100

226 28.0 21.7 32.5

229 21.9 15.8 23.6



#83

Chrysene

Concen: 7.466 ng

RT: 21.563 min Scan# 3124

Delta R.T. -0.053 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

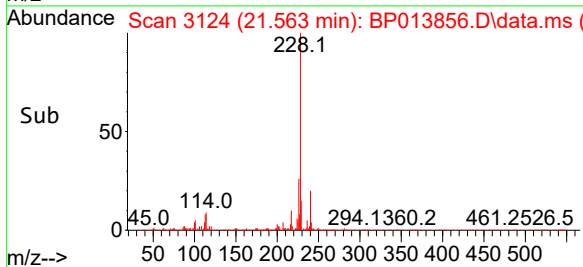
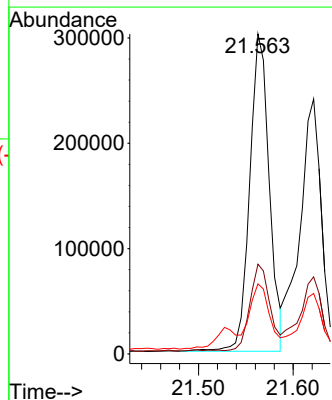
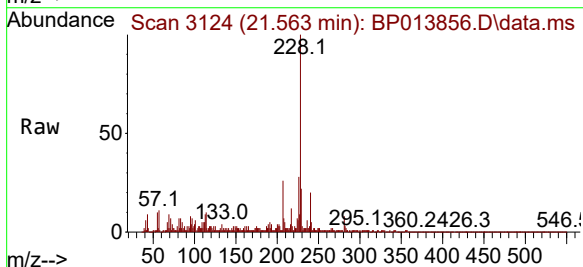
Tgt Ion:228 Resp: 432674

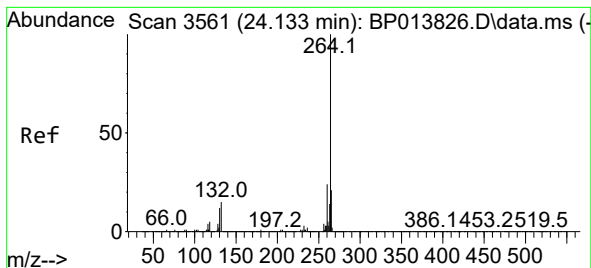
Ion Ratio Lower Upper

228 100

226 28.0 23.8 35.8

229 21.9 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.145 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

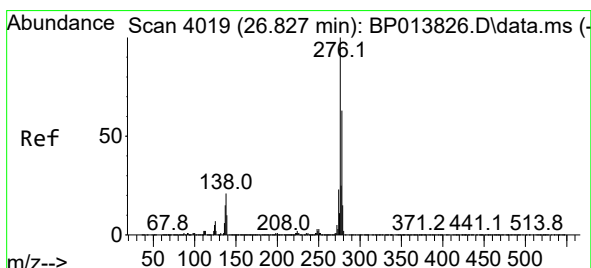
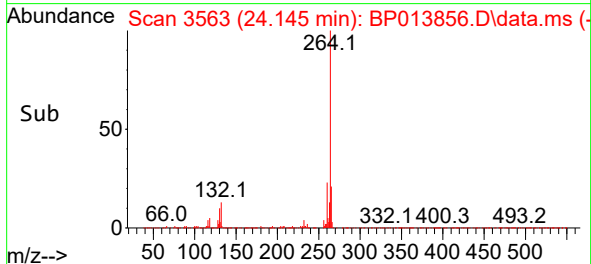
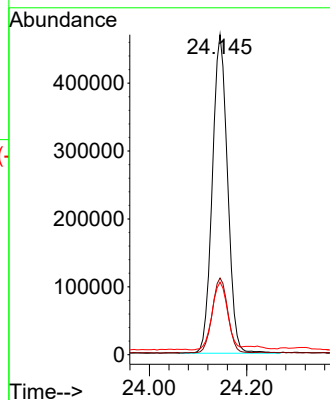
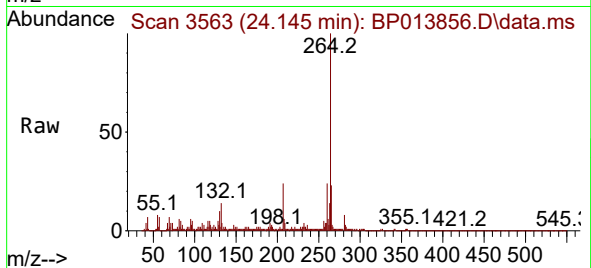
Tgt Ion:264 Resp: 1016219

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.0

265 22.7 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.306 ng

RT: 26.839 min Scan# 4021

Delta R.T. 0.012 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

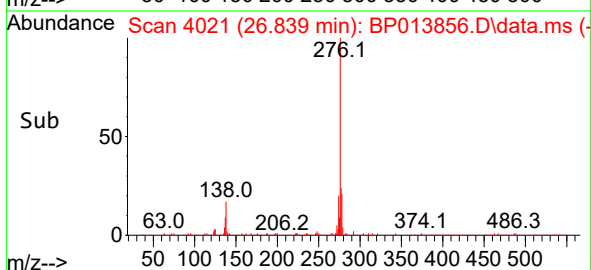
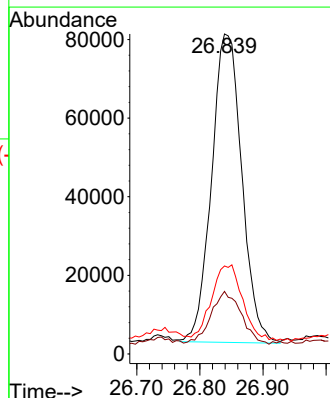
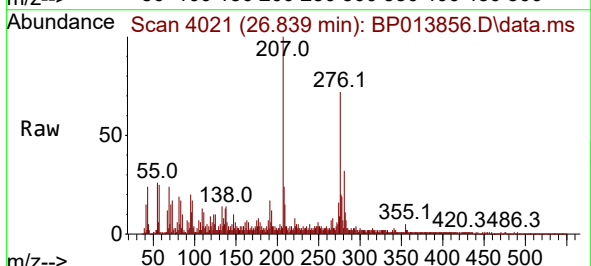
Tgt Ion:276 Resp: 261323

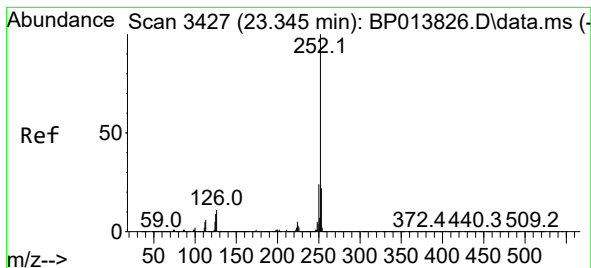
Ion Ratio Lower Upper

276 100

138 18.2 17.8 26.8

277 24.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 7.869 ng

RT: 23.357 min Scan# 3427

Delta R.T. 0.012 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

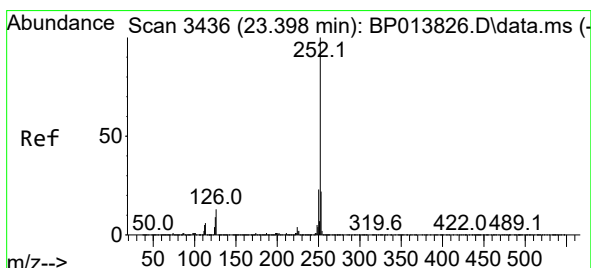
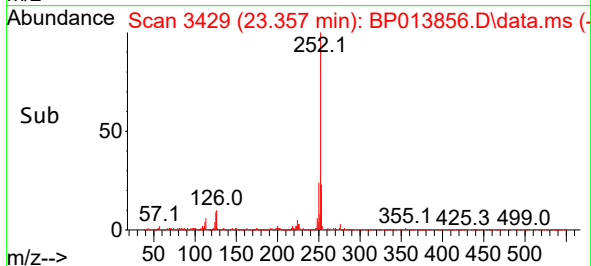
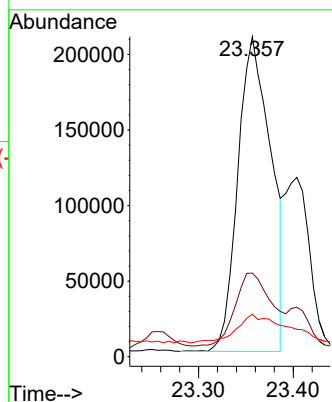
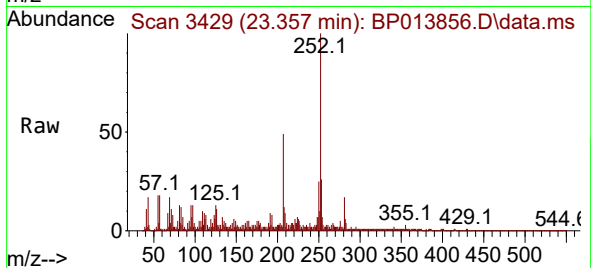
Tgt Ion:252 Resp: 505740

Ion Ratio Lower Upper

252 100

253 26.1 17.8 26.6

125 13.3 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 7.752 ng

RT: 23.357 min Scan# 3429

Delta R.T. -0.041 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

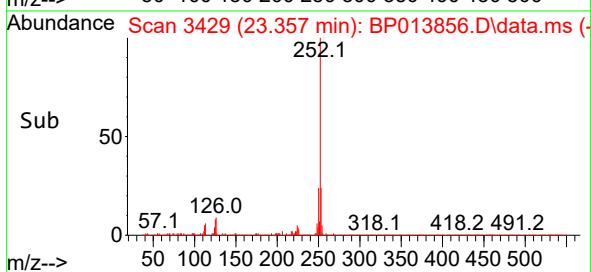
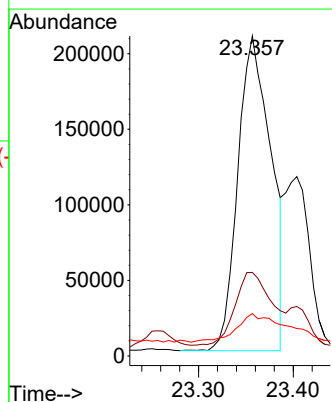
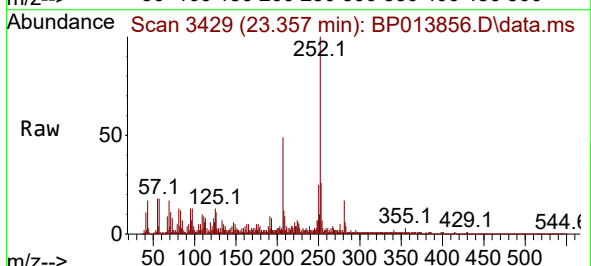
Tgt Ion:252 Resp: 505740

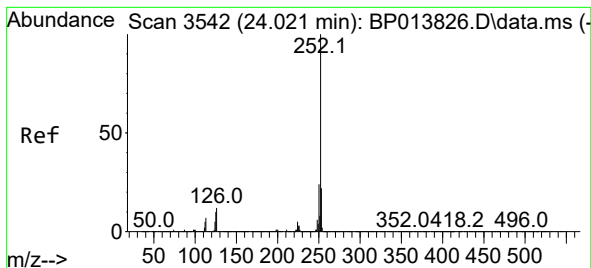
Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

125 13.3 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 5.982 ng

RT: 24.027 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

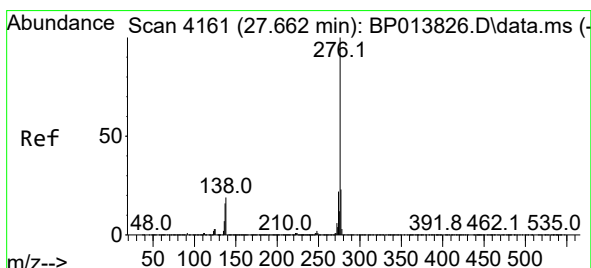
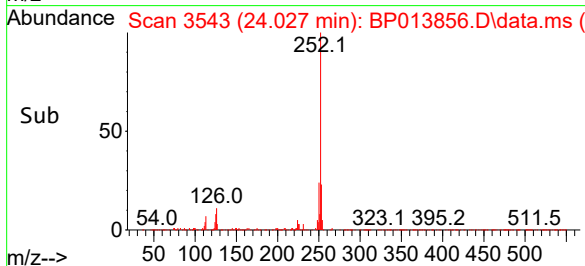
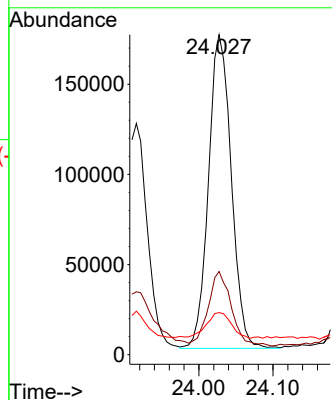
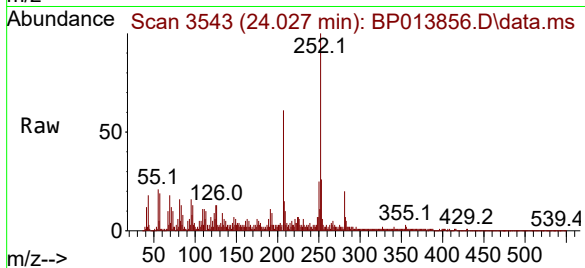
Tgt Ion:252 Resp: 371682

Ion Ratio Lower Upper

252 100

253 26.0 17.4 26.0

125 13.1 7.7 11.5#



#92

Benzo(g,h,i)perylene

Concen: 3.977 ng

RT: 27.680 min Scan# 4164

Delta R.T. 0.018 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Tgt Ion:276 Resp: 260438

Ion Ratio Lower Upper

276 100

277 27.1 18.7 28.1

138 18.3 15.5 23.3

