

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
 Data File : BP013855.D
 Acq On : 17 Feb 2023 20:50
 Operator : CG/JU
 Sample : 01586-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-2

Quant Time: Feb 17 22:08:16 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)

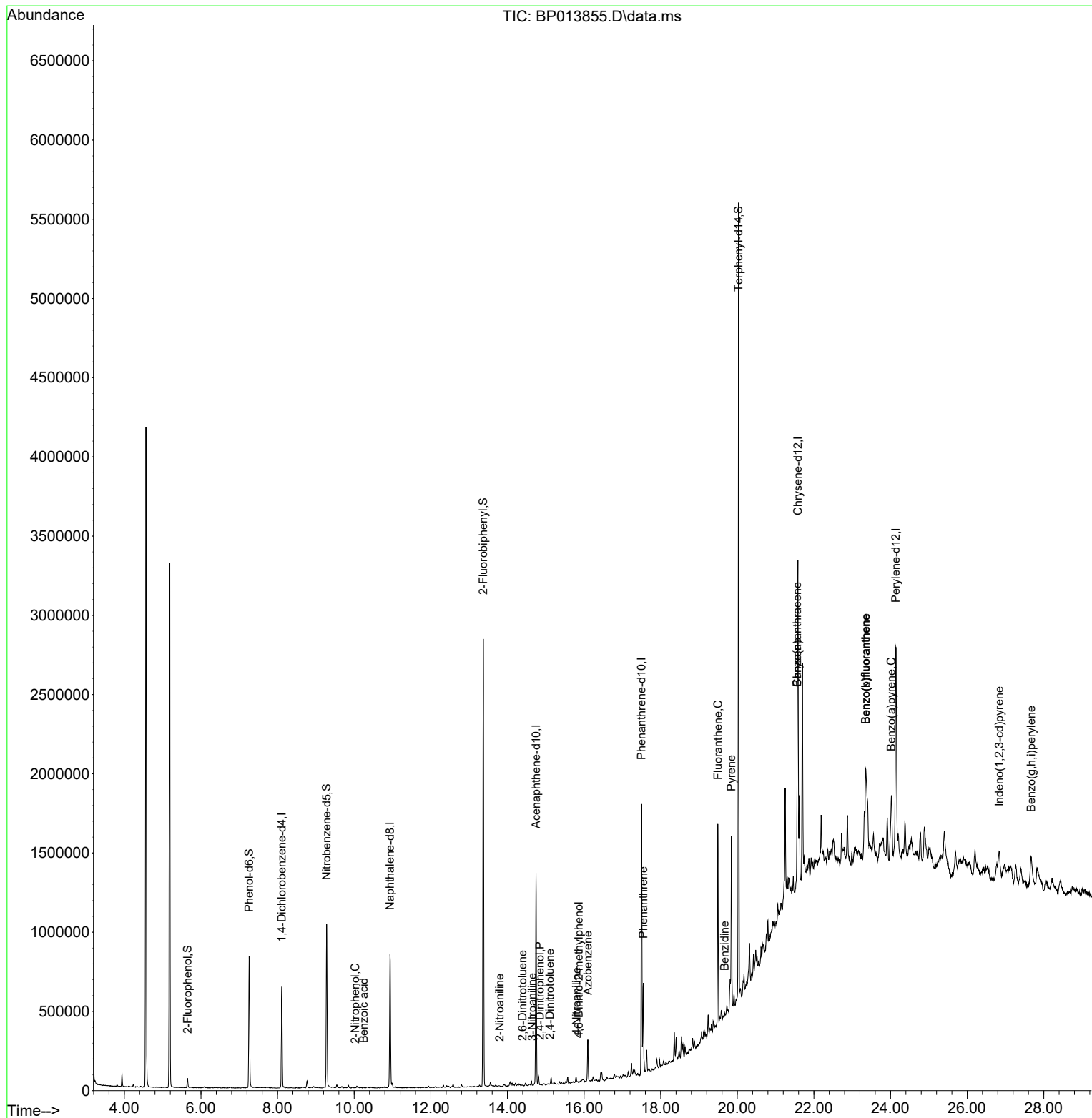
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	173784	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	687096	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	454376	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	1034823	20.000	ng	0.00
76) Chrysene-d12	21.580	240	958810	20.000	ng	0.00
86) Perylene-d12	24.139	264	1152351	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.652	112	26583	2.521	ng	0.00
7) Phenol-d6	7.258	99	489033	36.212	ng	0.00
23) Nitrobenzene-d5	9.281	82	595968	46.838	ng	0.00
42) 2,4,6-Tribromophenol	16.239	330	1155	0.175	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1436261	41.518	ng	0.00
79) Terphenyl-d14	20.033	244	2371736	47.592	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	10.022	139	32	2.773	ng	# 1
32) Benzoic acid	10.246	122	89	5.085	ng	# 22
48) 2-Nitroaniline	13.798	65	134	3.246	ng	# 29
51) 2,6-Dinitrotoluene	14.392	165	234	2.015	ng	# 89
53) 3-Nitroaniline	14.645	138	191	2.030	ng	# 72
54) 2,4-Dinitrophenol	14.845	184	15	5.265	ng	# 1
57) 2,4-Dinitrotoluene	15.110	165	92	2.289	ng	# 70
62) 4-Nitroaniline	15.804	138	516	2.604	ng	# 71
63) Azobenzene	16.098	77	70983	2.176	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.863	198	46	4.630	ng	# 1
71) Phenanthrene	17.545	178	350325	6.043	ng	99
75) Fluoranthene	19.492	202	736172	10.186	ng	99
77) Benzidine	19.669	184	425	2.303	ng	# 1
78) Pyrene	19.845	202	648157	9.892	ng	99
81) Benzo(a)anthracene	21.563	228	381981	5.563	ng	96
83) Chrysene	21.563	228	381981	5.743	ng	97
87) Indeno(1,2,3-cd)pyrene	26.839	276	228169	2.545	ng	# 95
88) Benzo(b)fluoranthene	23.351	252	463658	6.362	ng	# 92
89) Benzo(k)fluoranthene	23.351	252	463658	6.267	ng	# 91
90) Benzo(a)pyrene	24.021	252	323150	4.586	ng	# 94
92) Benzo(g,h,i)perylene	27.668	276	221696	2.985	ng	96

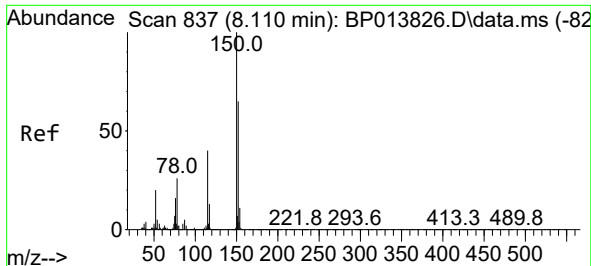
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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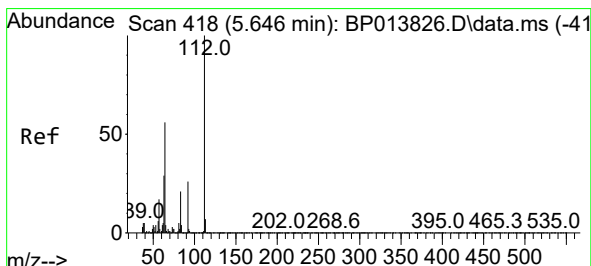
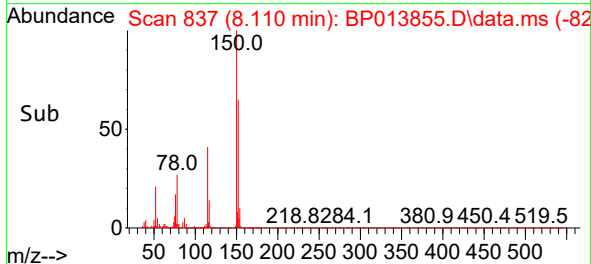
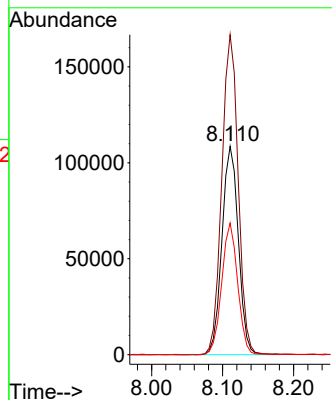
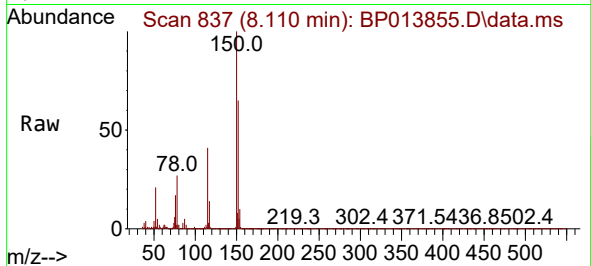




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

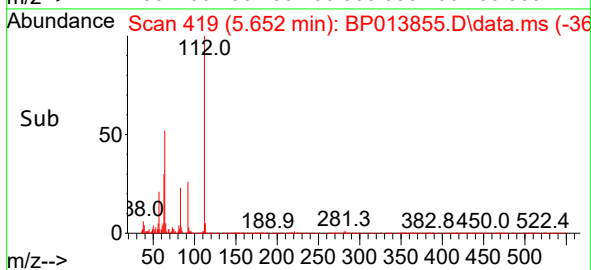
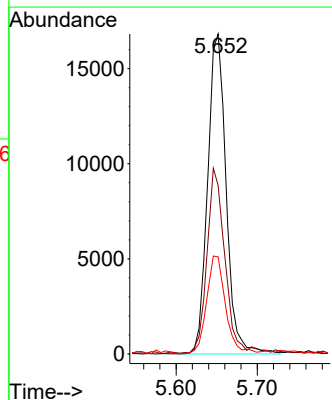
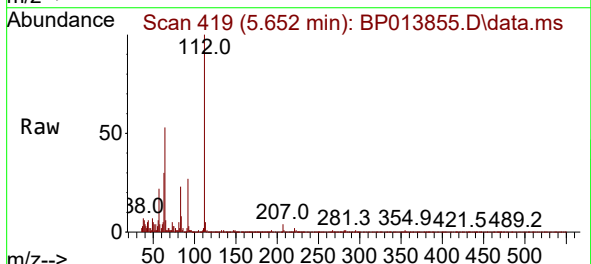
Instrument :
BNA_P
ClientSampleId :
COMP-2

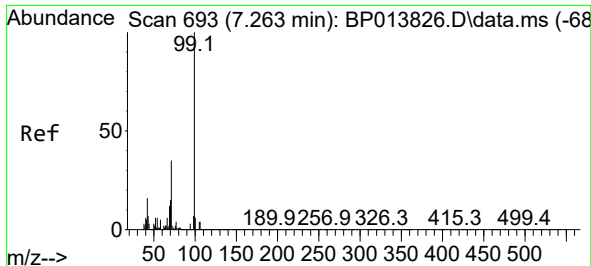
Tgt Ion:152 Resp: 173784
Ion Ratio Lower Upper
152 100
150 153.6 122.8 184.2
115 63.2 49.0 73.6



#5
2-Fluorophenol
Concen: 2.521 ng
RT: 5.652 min Scan# 419
Delta R.T. 0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

Tgt Ion:112 Resp: 26583
Ion Ratio Lower Upper
112 100
64 52.7 44.6 66.8
63 30.4 23.6 35.4

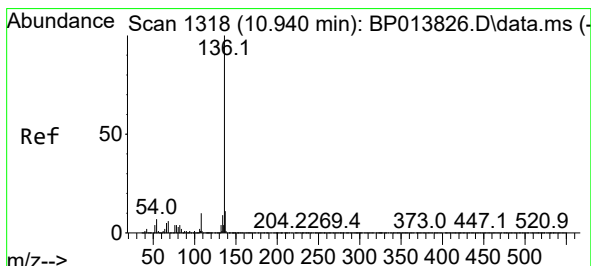
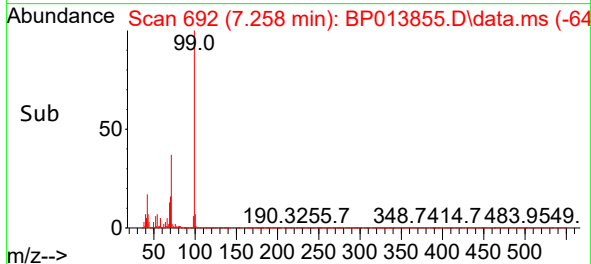
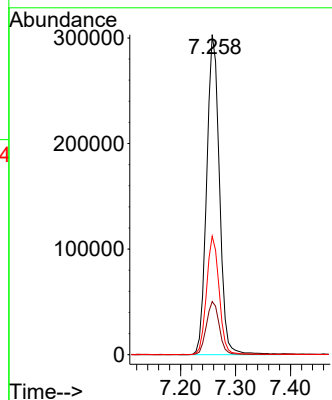
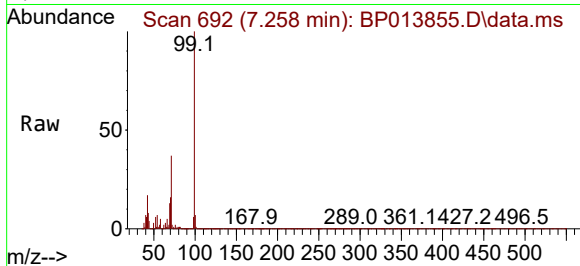




#7
Phenol-d6
Concen: 36.212 ng
RT: 7.258 min Scan# 692
Delta R.T. -0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

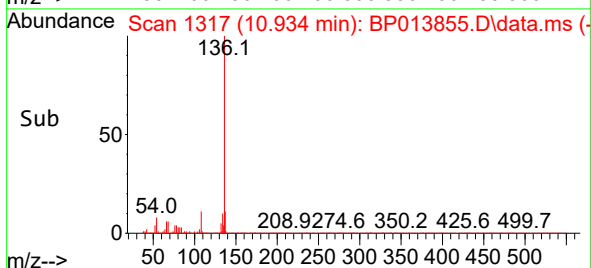
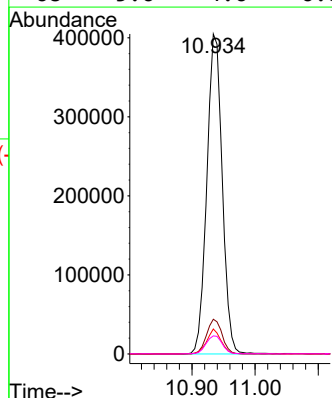
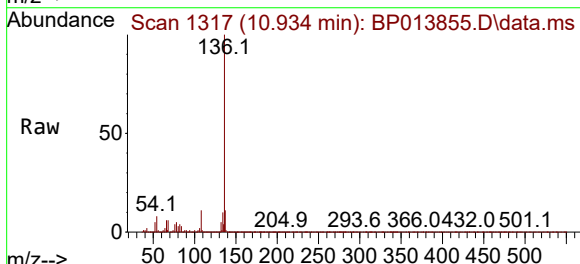
Instrument :
BNA_P
ClientSampleId :
COMP-2

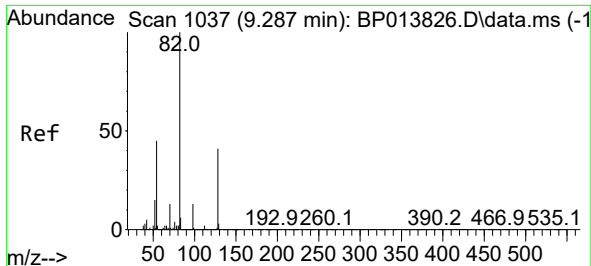
Tgt Ion: 99 Resp: 489033
Ion Ratio Lower Upper
99 100
42 16.6 12.5 18.7
71 37.1 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

Tgt Ion: 136 Resp: 687096
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 7.8 5.8 8.6
68 5.6 4.6 6.8

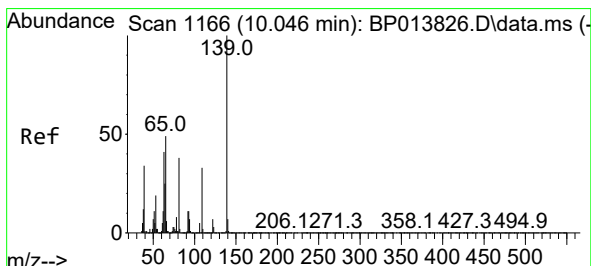
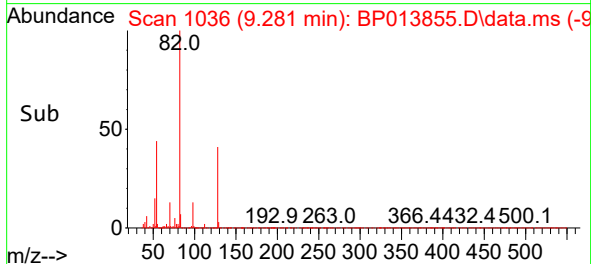
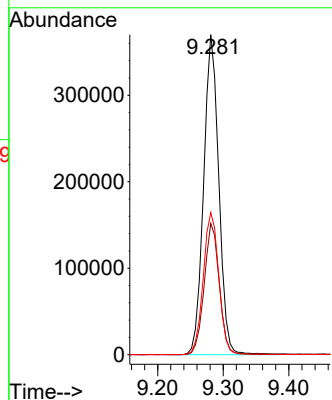
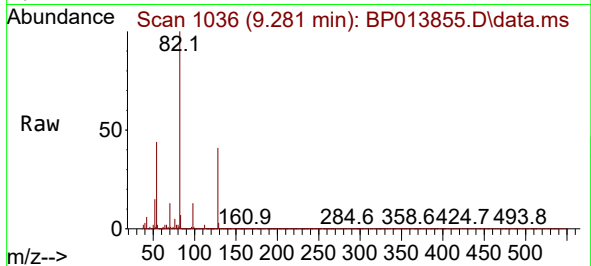




#23
Nitrobenzene-d5
Concen: 46.838 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

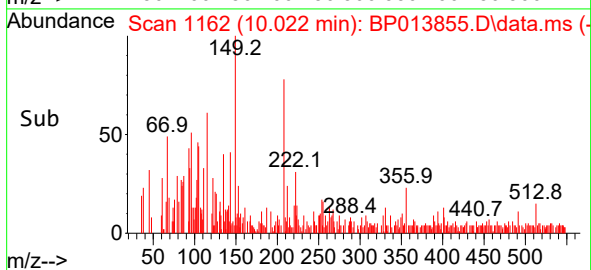
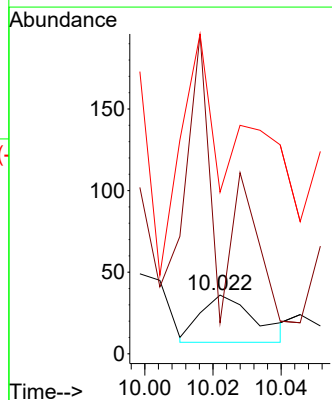
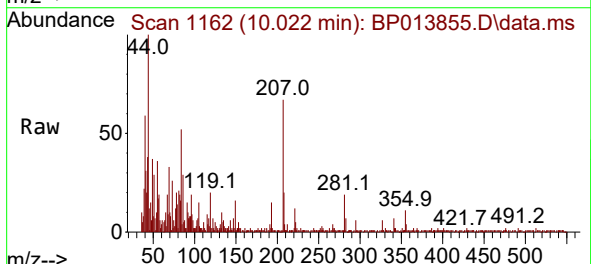
Instrument :
BNA_P
ClientSampleId :
COMP-2

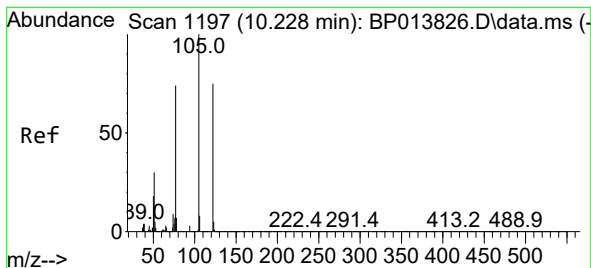
Tgt Ion: 82 Resp: 595968
Ion Ratio Lower Upper
82 100
128 41.0 32.9 49.3
54 44.4 35.6 53.4



#26
2-Nitrophenol
Concen: 2.773 ng
RT: 10.022 min Scan# 1162
Delta R.T. -0.024 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

Tgt Ion:139 Resp: 32
Ion Ratio Lower Upper
139 100
109 83.3 26.7 40.1#
65 347.2 39.4 59.2#





#32

Benzoic acid

Concen: 5.085 ng

RT: 10.246 min Scan# 1197

Delta R.T. 0.018 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

Instrument :

BNA_P

ClientSampleId :

COMP-2

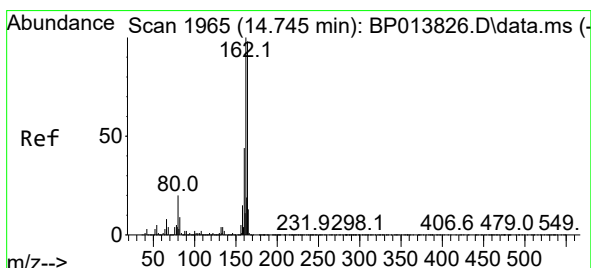
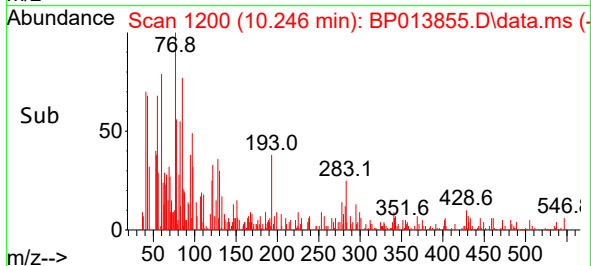
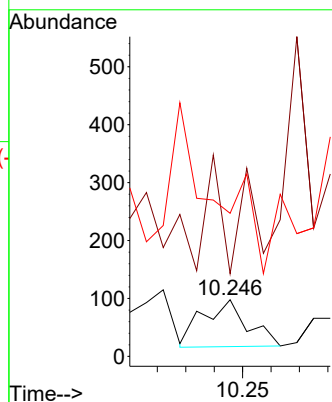
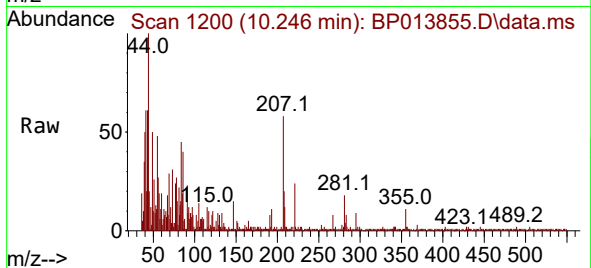
Tgt Ion:122 Resp: 89

Ion Ratio Lower Upper

122 100

105 145.9 107.4 147.4

77 252.0 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: BP013855.D

Acq: 17 Feb 2023 20:50

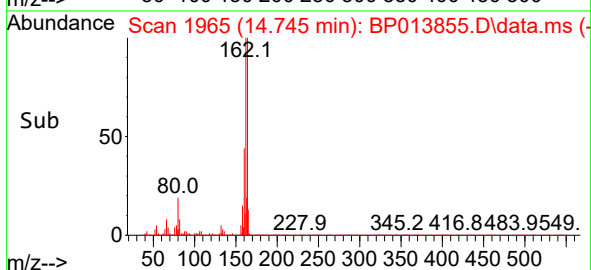
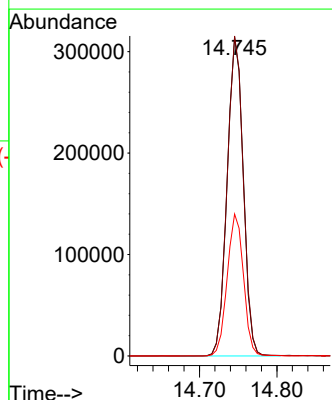
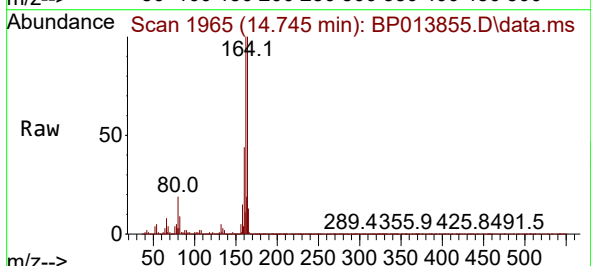
Tgt Ion:164 Resp: 454376

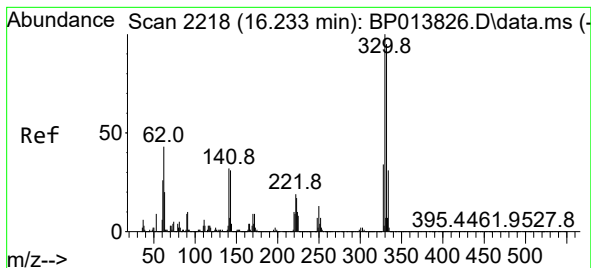
Ion Ratio Lower Upper

164 100

162 100.5 81.7 122.5

160 44.6 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 0.175 ng

RT: 16.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

Instrument :

BNA_P

ClientSampleId :

COMP-2

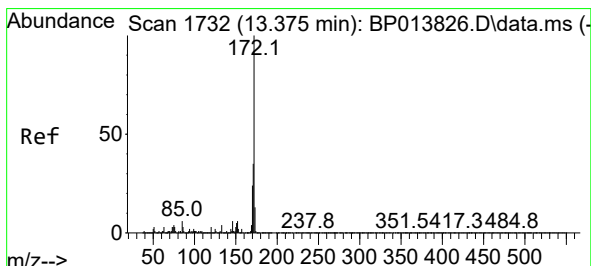
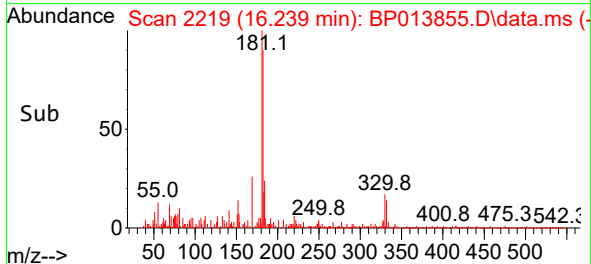
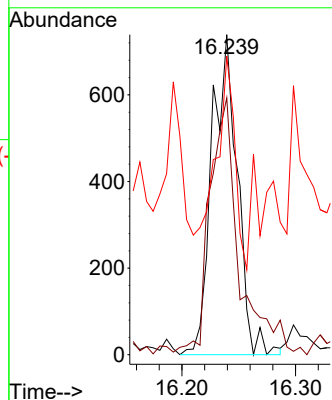
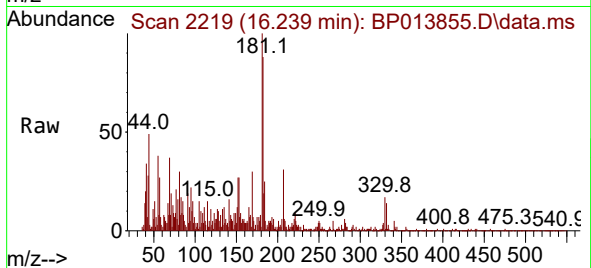
Tgt Ion:330 Resp: 1155

Ion Ratio Lower Upper

330 100

332 89.1 76.7 115.1

141 51.3 25.1 37.7#



#45

2-Fluorobiphenyl

Concen: 41.518 ng

RT: 13.369 min Scan# 1731

Delta R.T. -0.006 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

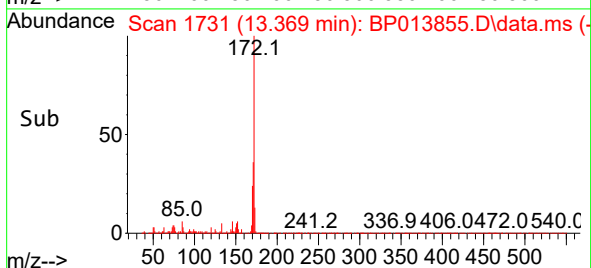
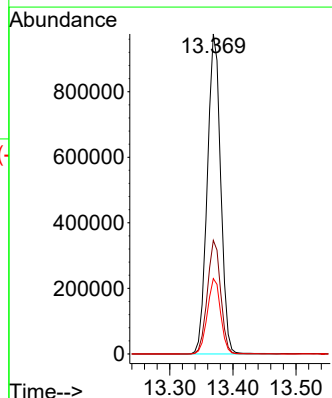
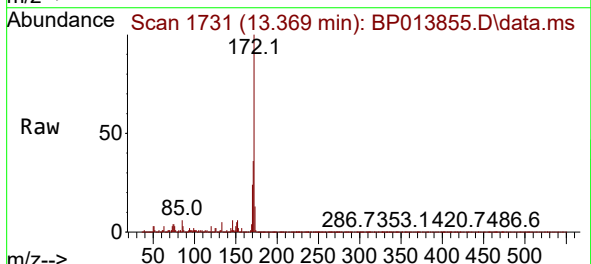
Tgt Ion:172 Resp: 1436261

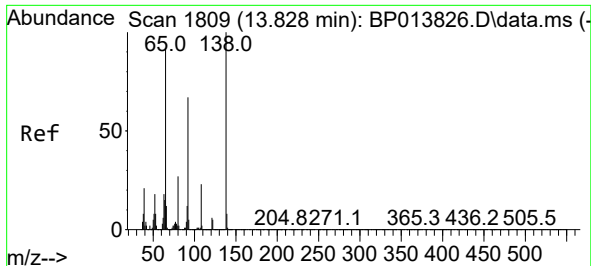
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.6 19.0 28.4

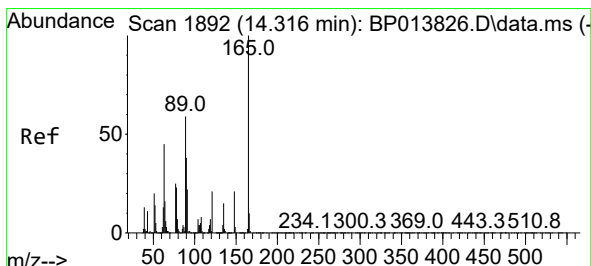
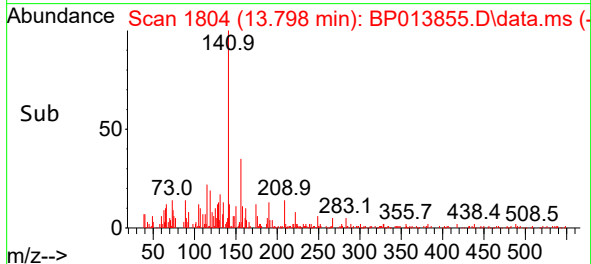
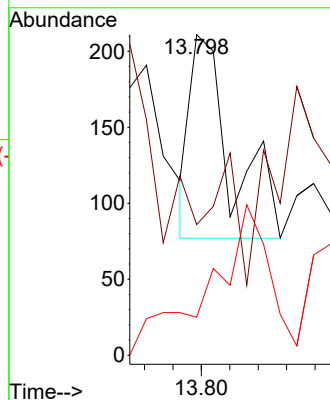
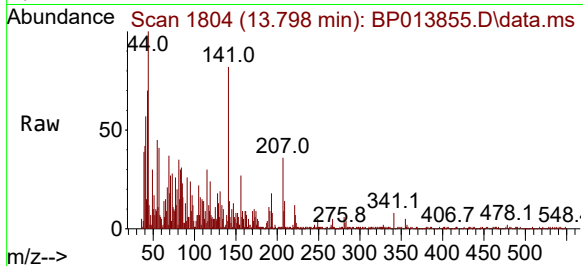




#48
2-Nitroaniline
Concen: 3.246 ng
RT: 13.798 min Scan# 11
Delta R.T. -0.030 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

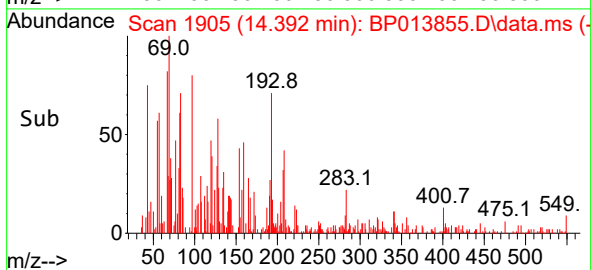
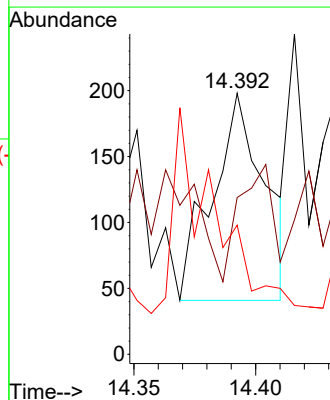
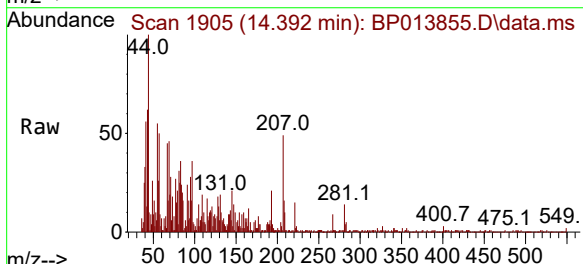
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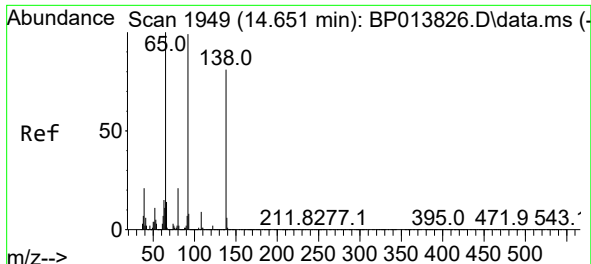
Tgt Ion: 65 Resp: 134
Ion Ratio Lower Upper
65 100
92 40.8 58.7 88.1#
138 11.8 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.015 ng
RT: 14.392 min Scan# 1905
Delta R.T. 0.076 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

Tgt Ion: 165 Resp: 234
Ion Ratio Lower Upper
165 100
63 60.1 42.6 63.8
89 49.5 47.1 70.7

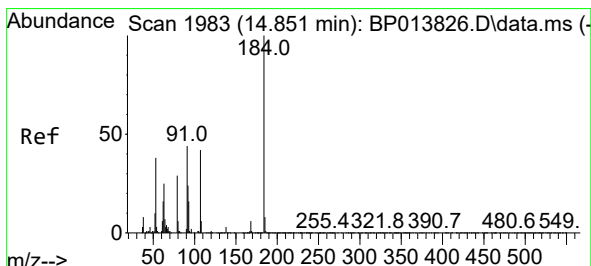
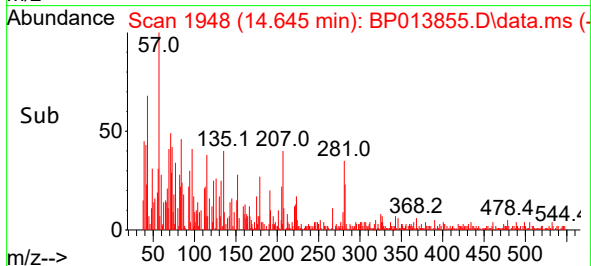
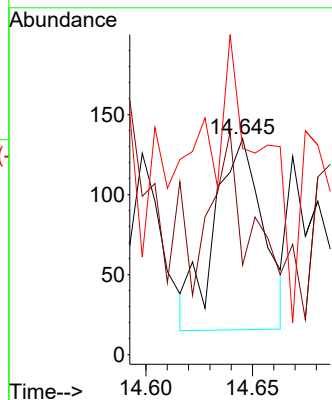
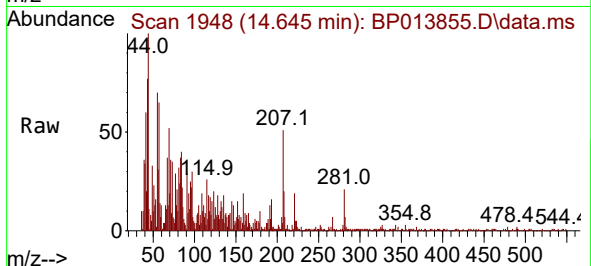




#53
3-Nitroaniline
Concen: 2.030 ng
RT: 14.645 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

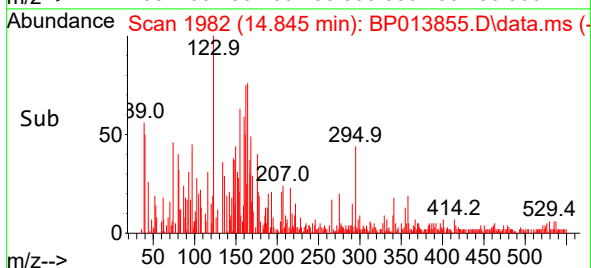
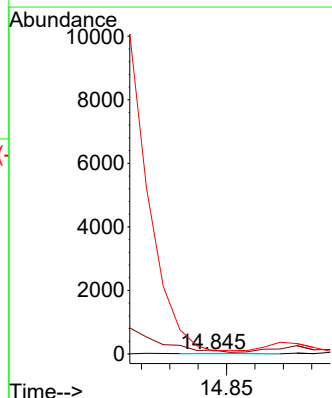
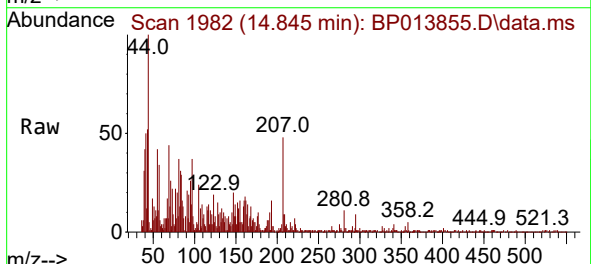
Instrument :
BNA_P
ClientSampleId :
COMP-2

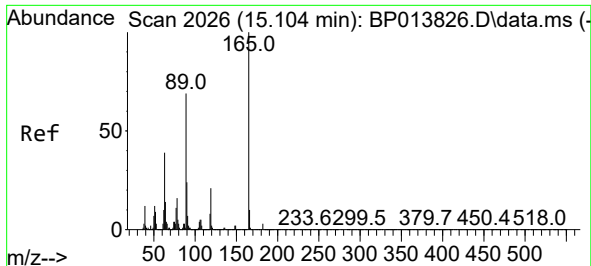
Tgt Ion:138 Resp: 191
Ion Ratio Lower Upper
138 100
108 41.5 9.0 13.4#
92 95.6 97.1 145.7#



#54
2,4-Dinitrophenol
Concen: 5.265 ng
RT: 14.845 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

Tgt Ion:184 Resp: 15
Ion Ratio Lower Upper
184 100
63 717.6 47.0 70.4#
154 570.6 51.5 77.3#

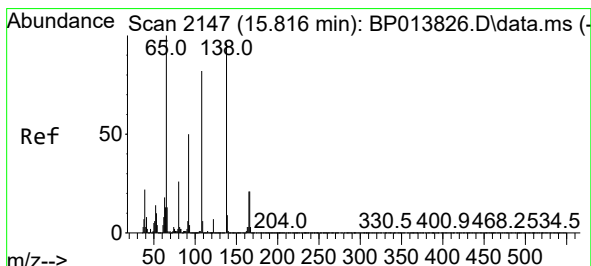
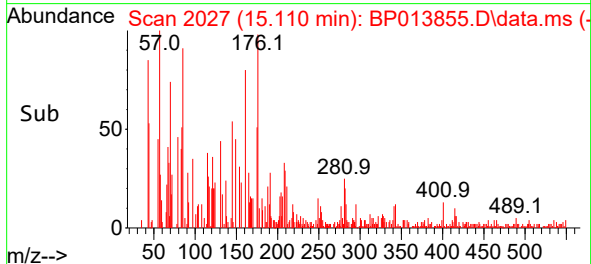
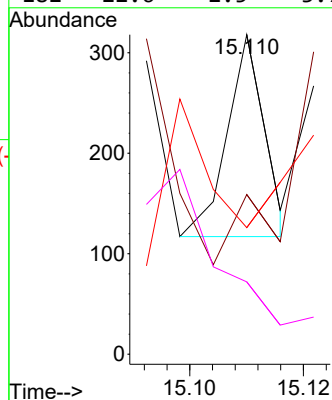
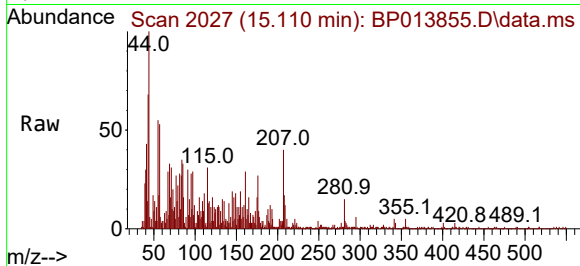




#57
2,4-Dinitrotoluene
Concen: 2.289 ng
RT: 15.110 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

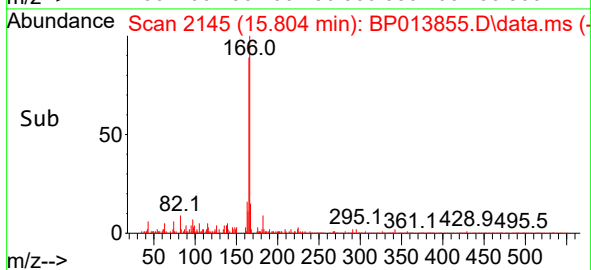
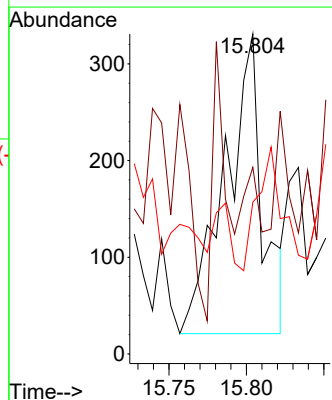
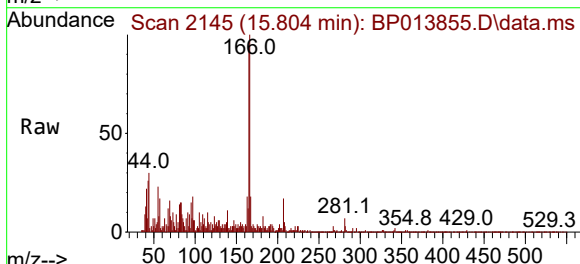
Instrument :
BNA_P
ClientSampleId :
COMP-2

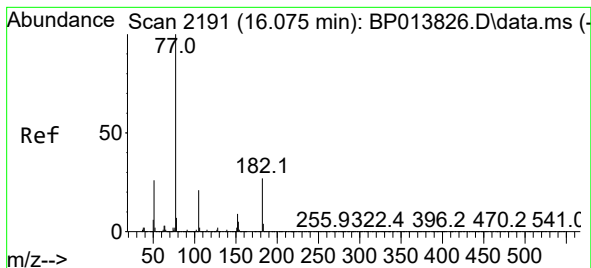
Tgt Ion:165 Resp: 92
Ion Ratio Lower Upper
165 100
63 50.0 31.1 46.7#
89 39.6 54.9 82.3#
182 22.6 2.5 3.7#



#62
4-Nitroaniline
Concen: 2.604 ng
RT: 15.804 min Scan# 2145
Delta R.T. -0.012 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

Tgt Ion:138 Resp: 516
Ion Ratio Lower Upper
138 100
92 58.3 32.0 72.0
108 47.4 65.6 105.6#





#63

Azobenzene

Concen: 2.176 ng

RT: 16.098 min Scan# 2191

Delta R.T. 0.024 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

Instrument :

BNA_P

ClientSampleId :

COMP-2

Tgt Ion: 77 Resp: 70983

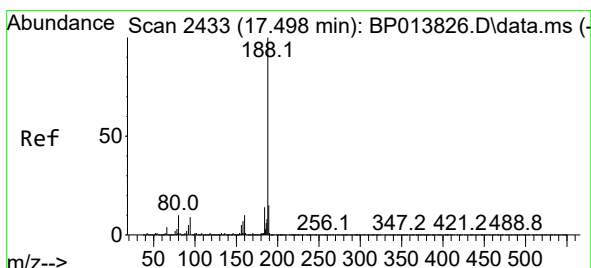
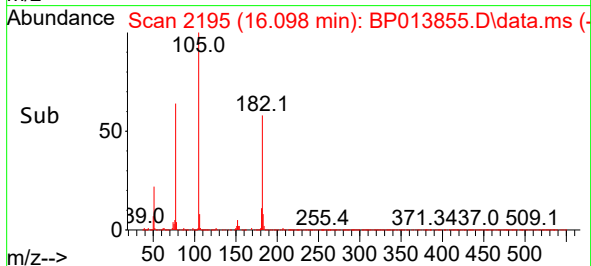
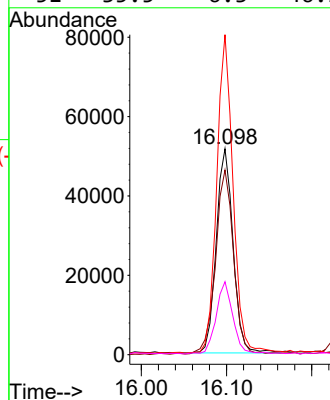
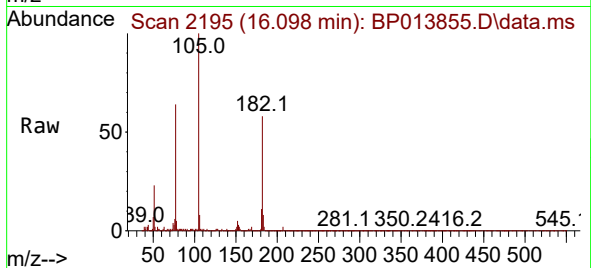
Ion Ratio Lower Upper

77 100

182 89.7 6.9 46.9#

105 155.5 1.1 41.1#

51 35.5 6.3 46.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.498 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

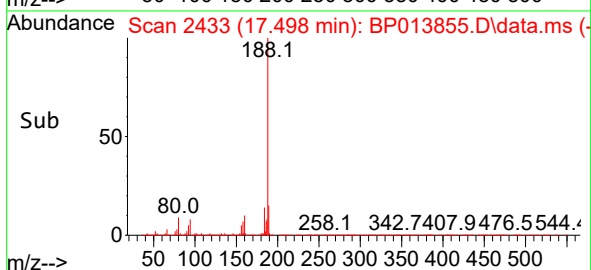
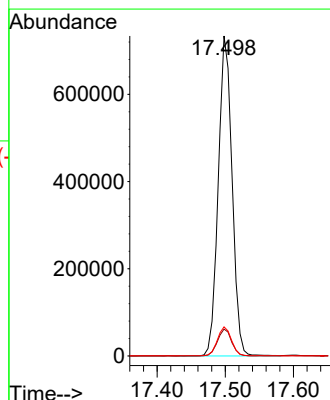
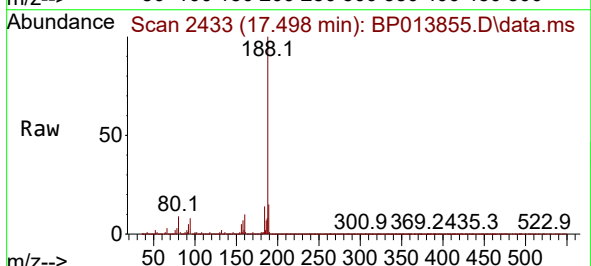
Tgt Ion: 188 Resp: 1034823

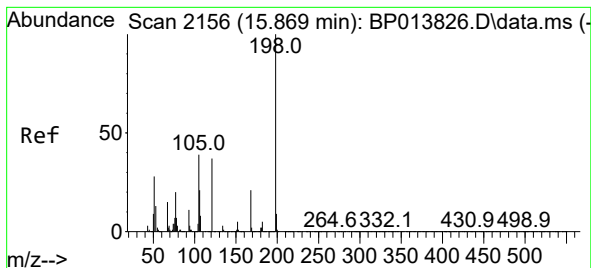
Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

80 9.1 7.8 11.8

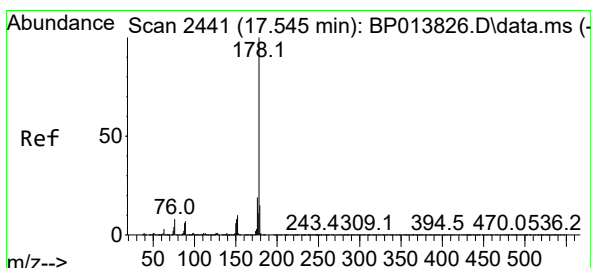
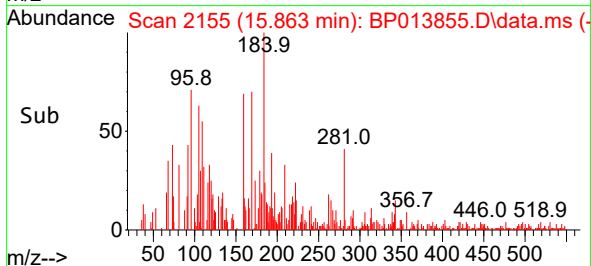
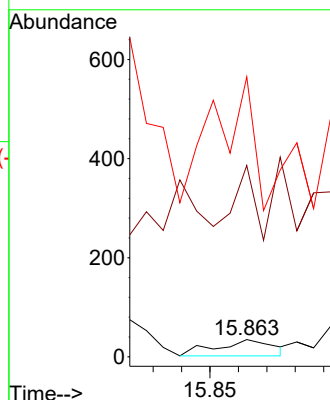
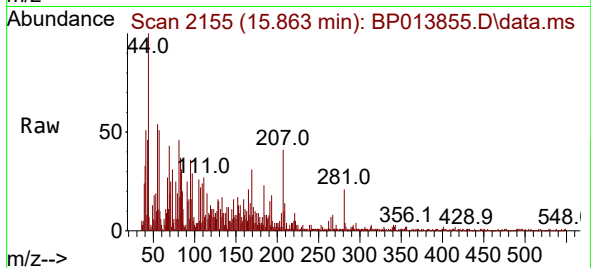




#65
4,6-Dinitro-2-methylphenol
Concen: 4.630 ng
RT: 15.863 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

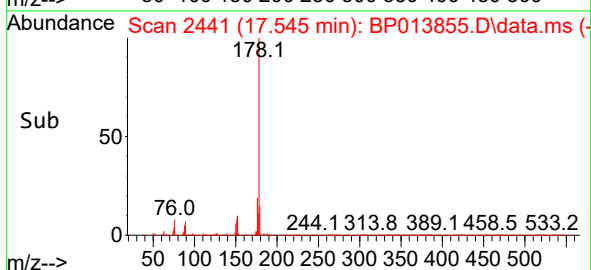
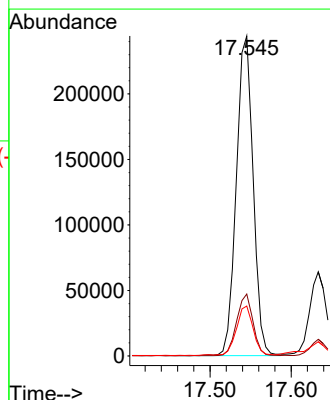
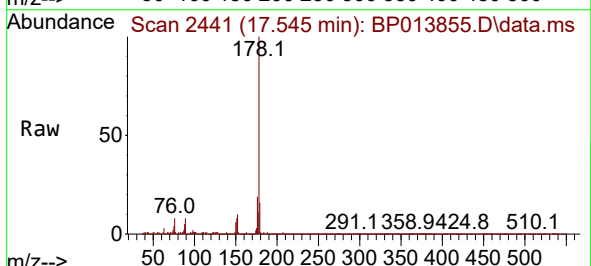
Instrument :
BNA_P
ClientSampleId :
COMP-2

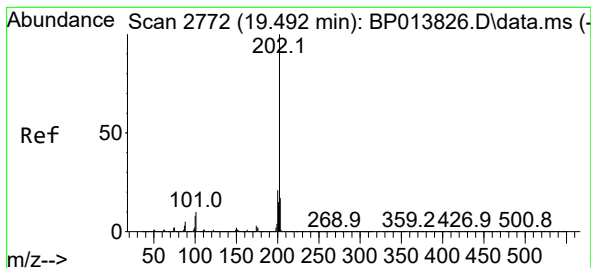
Tgt Ion:198 Resp: 46
Ion Ratio Lower Upper
198 100
51 1102.9 14.3 54.3#
105 1614.3 20.5 60.5#



#71
Phenanthrene
Concen: 6.043 ng
RT: 17.545 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

Tgt Ion:178 Resp: 350325
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.6 12.2 18.4





#75

Fluoranthene

Concen: 10.186 ng

RT: 19.492 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

Instrument :

BNA_P

ClientSampleId :

COMP-2

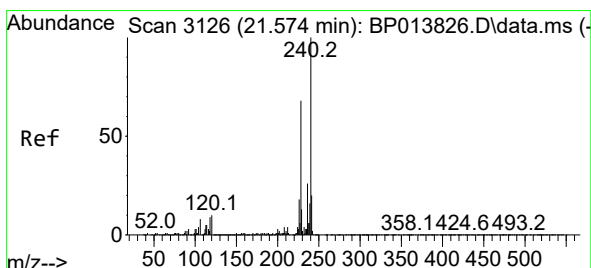
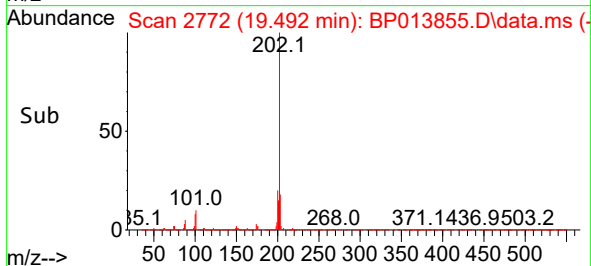
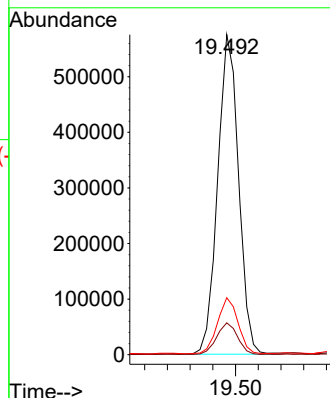
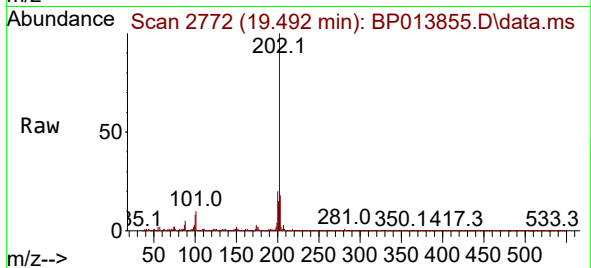
Tgt Ion:202 Resp: 736172

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.0

203 17.8 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.580 min Scan# 3127

Delta R.T. 0.006 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

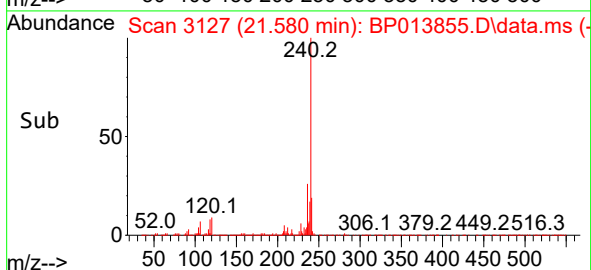
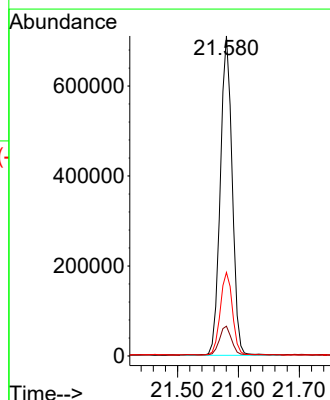
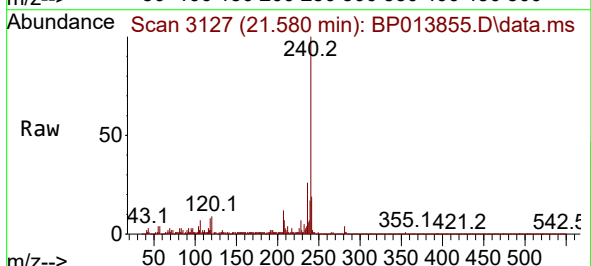
Tgt Ion:240 Resp: 958810

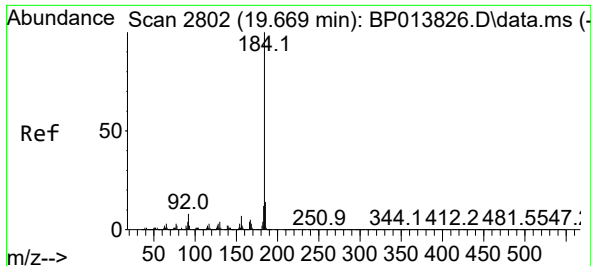
Ion Ratio Lower Upper

240 100

120 9.3 7.9 11.9

236 26.1 20.9 31.3

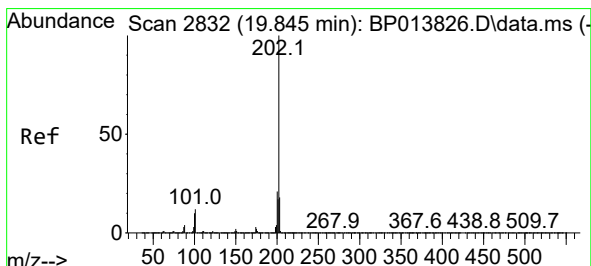
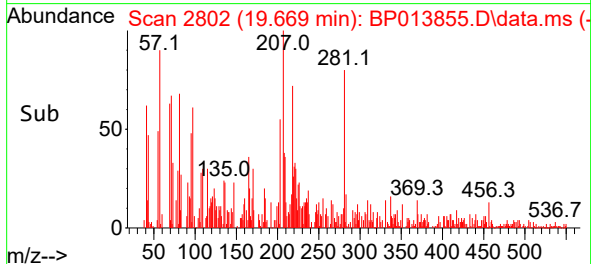
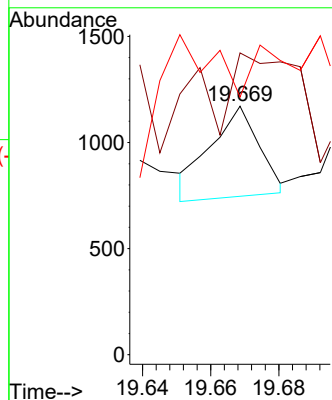
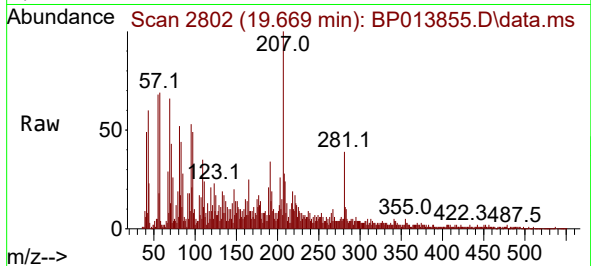




#77
Benzidine
Concen: 2.303 ng
RT: 19.669 min Scan# 2802
Delta R.T. -0.000 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

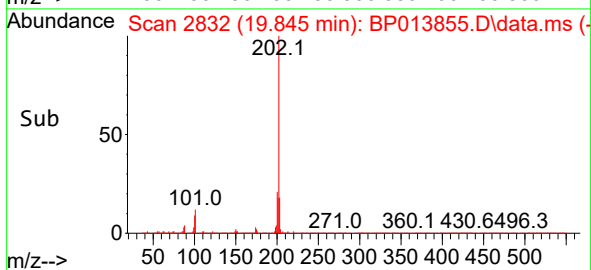
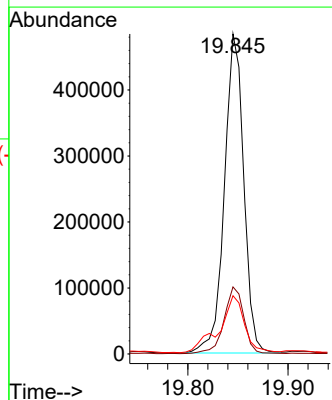
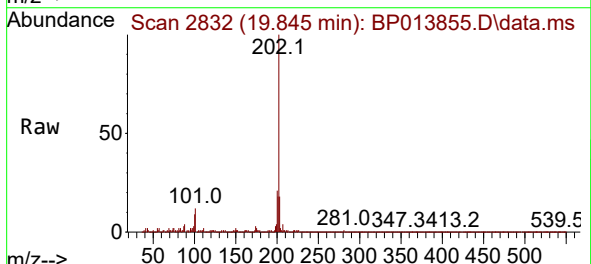
Instrument :
BNA_P
ClientSampleId :
COMP-2

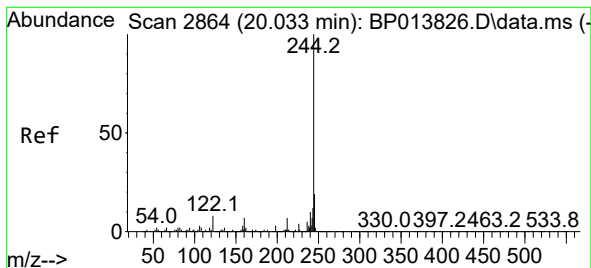
Tgt Ion:184 Resp: 425
Ion Ratio Lower Upper
184 100
185 121.4 11.4 17.0#
183 103.7 9.6 14.4#



#78
Pyrene
Concen: 9.892 ng
RT: 19.845 min Scan# 2832
Delta R.T. 0.000 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

Tgt Ion:202 Resp: 648157
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 18.2 14.2 21.2





#79

Terphenyl-d14

Concen: 47.592 ng

RT: 20.033 min Scan# 2

Delta R.T. 0.000 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

Instrument :

BNA_P

ClientSampleId :

COMP-2

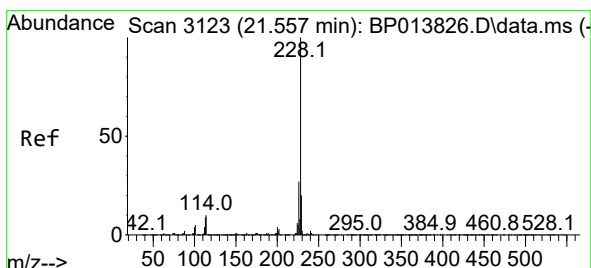
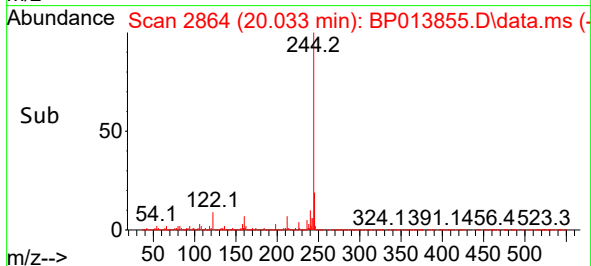
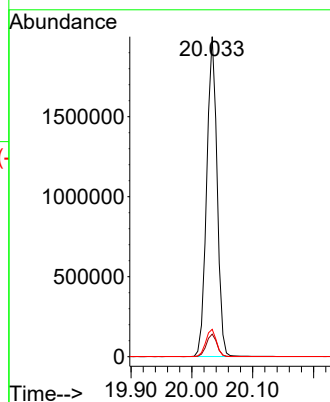
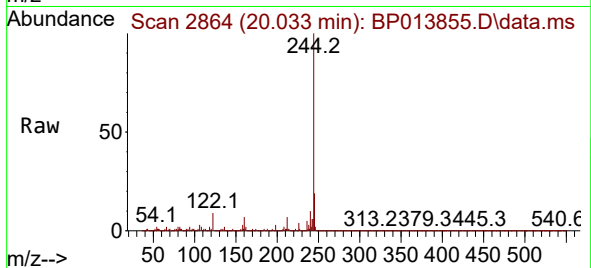
Tgt Ion:244 Resp: 2371736

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 8.6 6.7 10.1



#81

Benzo(a)anthracene

Concen: 5.563 ng

RT: 21.563 min Scan# 3124

Delta R.T. 0.006 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

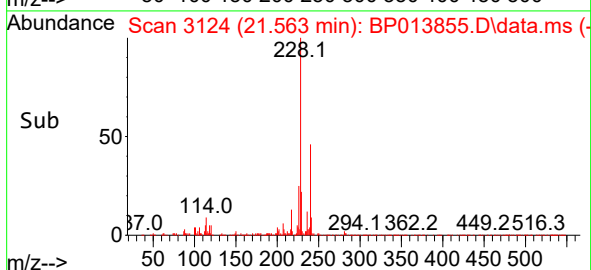
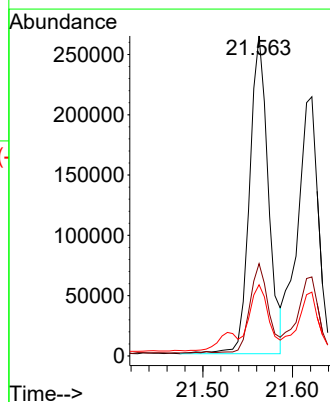
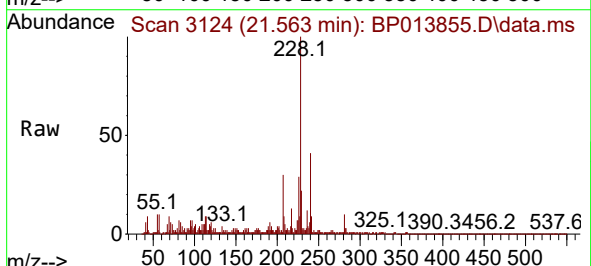
Tgt Ion:228 Resp: 381981

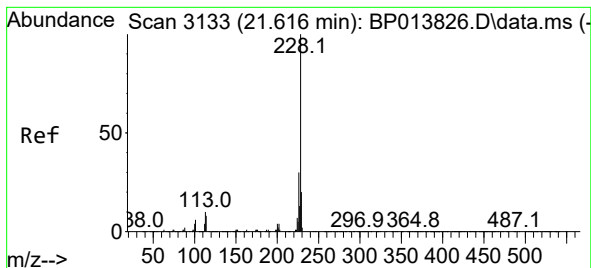
Ion Ratio Lower Upper

228 100

226 28.8 21.7 32.5

229 22.3 15.8 23.6





#83

Chrysene

Concen: 5.743 ng

RT: 21.563 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

Instrument :

BNA_P

ClientSampleId :

COMP-2

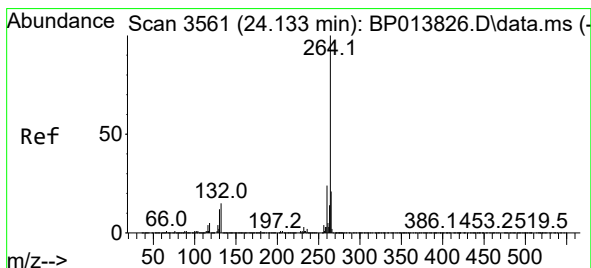
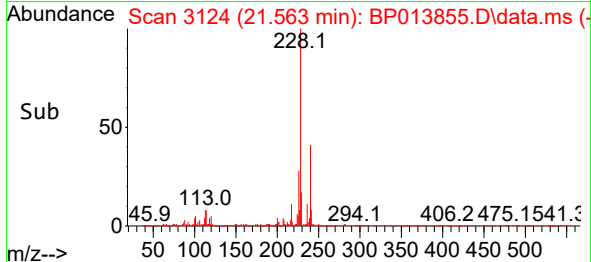
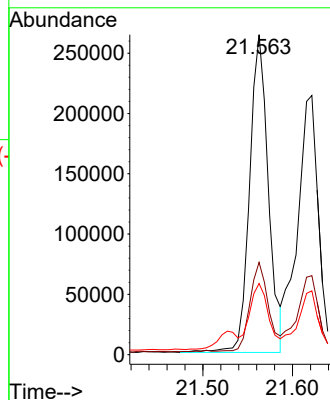
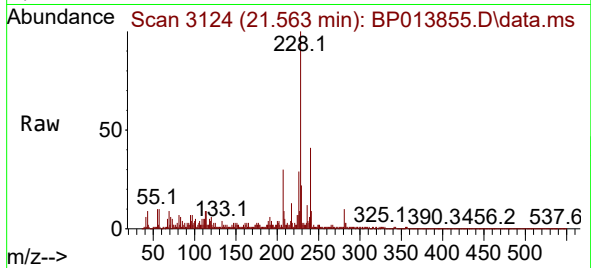
Tgt Ion:228 Resp: 381981

Ion Ratio Lower Upper

228 100

226 28.8 23.8 35.8

229 22.3 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.139 min Scan# 3562

Delta R.T. 0.006 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

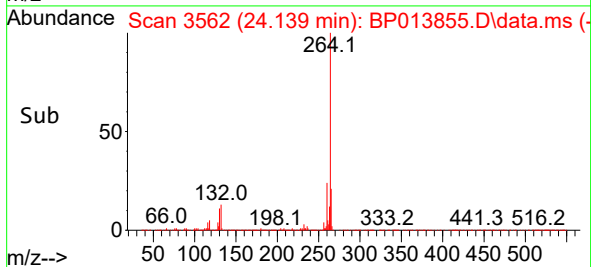
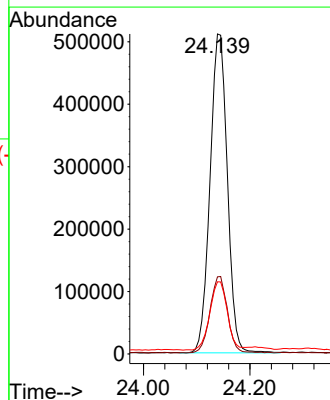
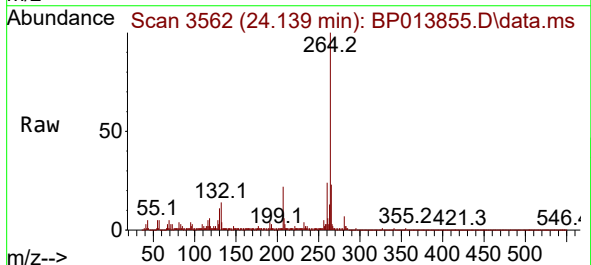
Tgt Ion:264 Resp: 1152351

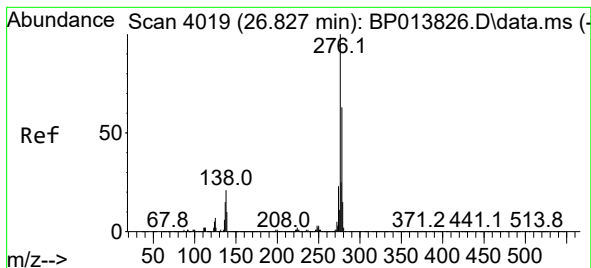
Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

265 22.5 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.545 ng

RT: 26.839 min Scan# 4019

Delta R.T. 0.012 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

Instrument :

BNA_P

ClientSampleId :

COMP-2

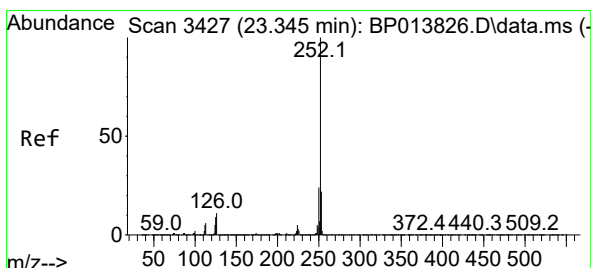
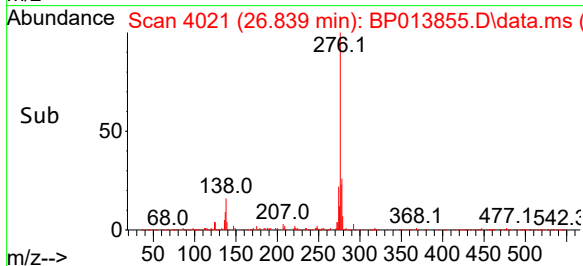
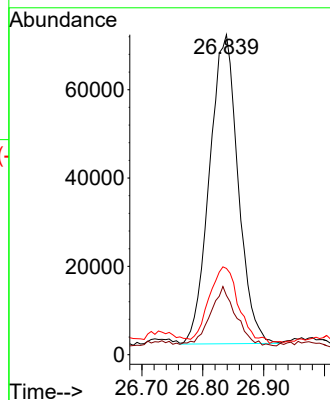
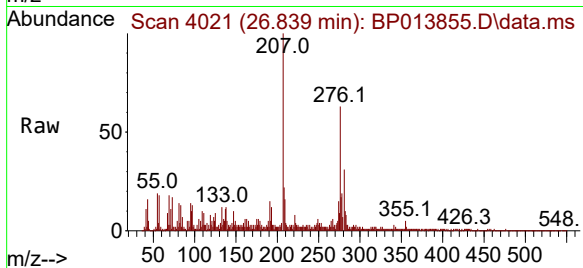
Tgt Ion:276 Resp: 228169

Ion Ratio Lower Upper

276 100

138 17.4 17.8 26.8#

277 24.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 6.362 ng

RT: 23.351 min Scan# 3428

Delta R.T. 0.006 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

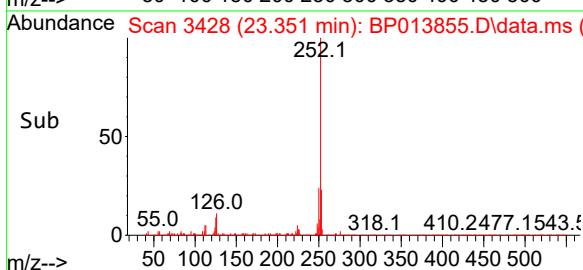
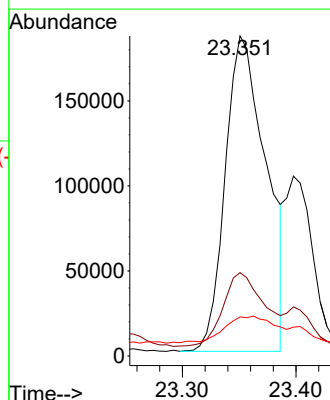
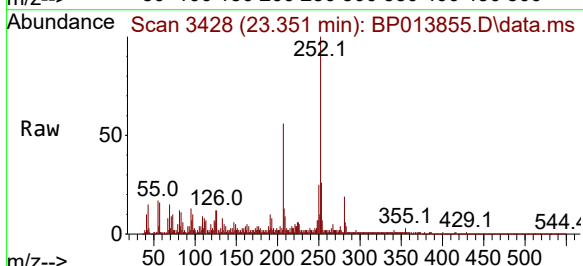
Tgt Ion:252 Resp: 463658

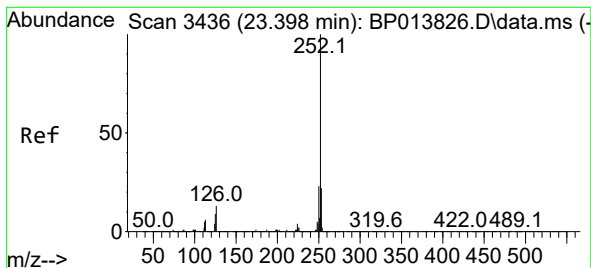
Ion Ratio Lower Upper

252 100

253 26.1 17.8 26.6

125 12.2 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 6.267 ng

RT: 23.351 min Scan# 34

Delta R.T. -0.047 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

Instrument :

BNA_P

ClientSampleId :

COMP-2

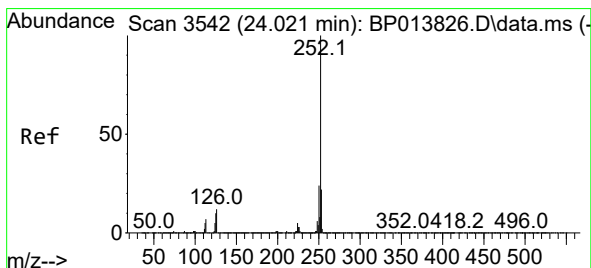
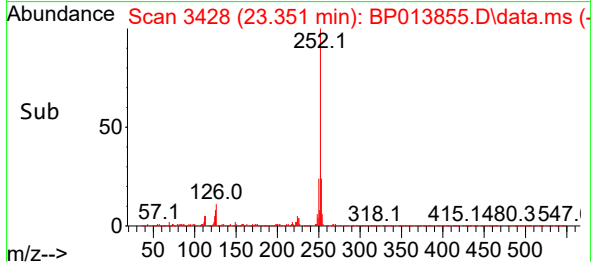
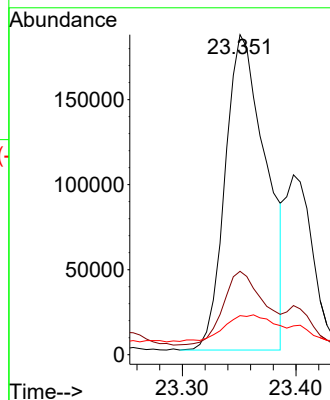
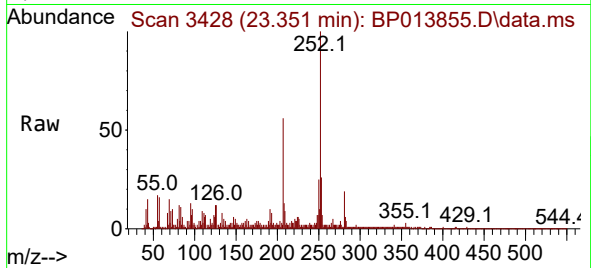
Tgt Ion:252 Resp: 463658

Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

125 12.2 7.0 10.4#



#90

Benzo(a)pyrene

Concen: 4.586 ng

RT: 24.021 min Scan# 3542

Delta R.T. 0.000 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

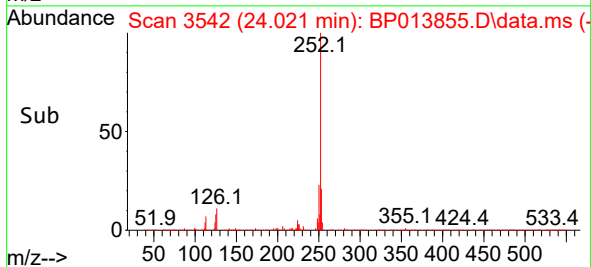
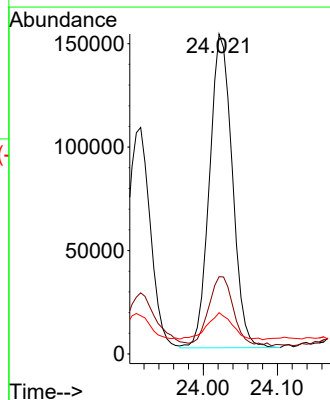
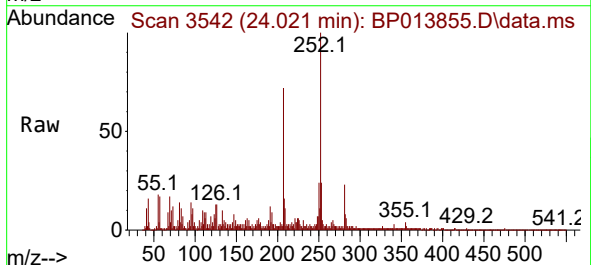
Tgt Ion:252 Resp: 323150

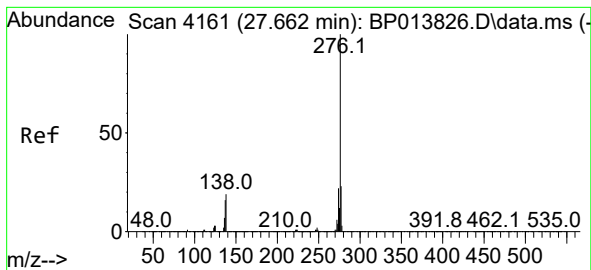
Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

125 12.9 7.7 11.5#





#92

Benzo(g,h,i)perylene

Concen: 2.985 ng

RT: 27.668 min Scan# 41

Delta R.T. 0.006 min

Lab File: BP013855.D

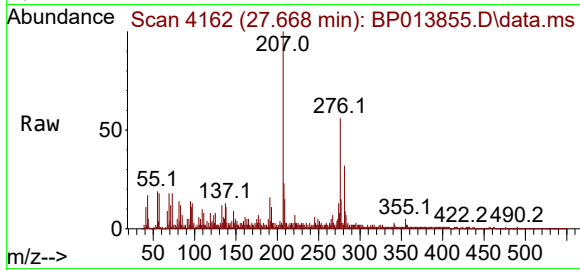
Acq: 17 Feb 2023 20:50

Instrument :

BNA_P

ClientSampleId :

COMP-2



Tgt Ion:276 Resp: 221696

Ion Ratio Lower Upper

276 100

277 26.4 18.7 28.1

138 20.2 15.5 23.3

