

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
 Data File : BP013853.D
 Acq On : 17 Feb 2023 19:41
 Operator : CG/JU
 Sample : 01586-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-4

Quant Time: Feb 17 22:07:31 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)

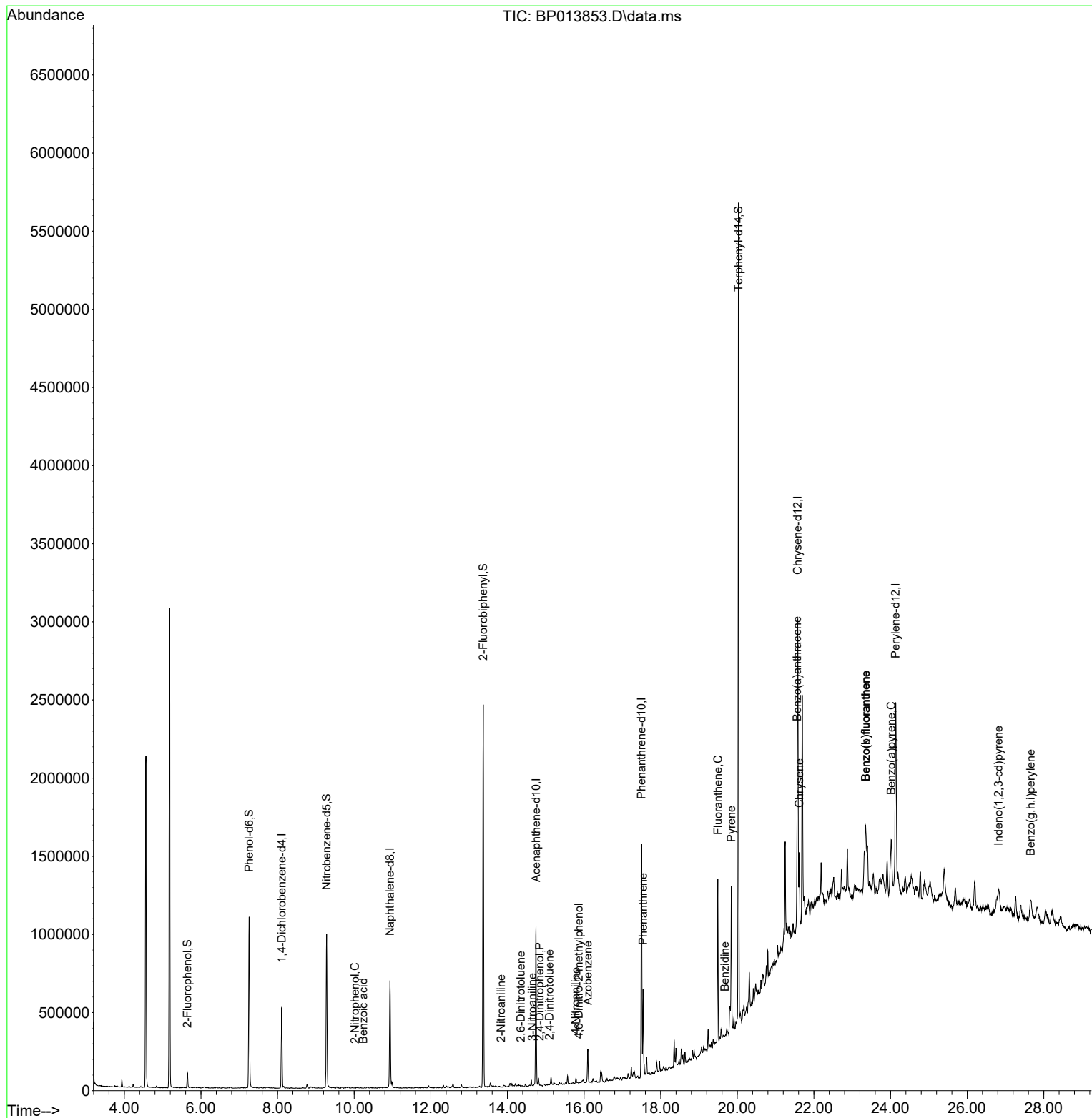
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	142385	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	562769	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	343040	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	883137	20.000	ng	0.00
76) Chrysene-d12	21.574	240	892021	20.000	ng	0.00
86) Perylene-d12	24.133	264	1040775	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	43223	5.003	ng	0.00
7) Phenol-d6	7.257	99	633354	57.242	ng	0.00
23) Nitrobenzene-d5	9.281	82	574265	55.103	ng	0.00
42) 2,4,6-Tribromophenol	16.233	330	1334	0.267	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1256988	48.129	ng	0.00
79) Terphenyl-d14	20.033	244	2613974	56.381	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	10.016	139	16	2.771	ng	# 1
32) Benzoic acid	10.234	122	96	5.088	ng	# 87
48) 2-Nitroaniline	13.834	65	61	3.239	ng	# 26
51) 2,6-Dinitrotoluene	14.351	165	104	2.004	ng	94
53) 3-Nitroaniline	14.645	138	60	2.017	ng	# 1
54) 2,4-Dinitrophenol	14.839	184	18	5.266	ng	# 1
57) 2,4-Dinitrotoluene	15.092	165	173	2.301	ng	# 74
62) 4-Nitroaniline	15.781	138	430	2.609	ng	# 72
63) Azobenzene	16.098	77	57783	2.346	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.863	198	10	4.625	ng	# 1
71) Phenanthrene	17.539	178	327129	6.612	ng	99
75) Fluoranthene	19.492	202	585642	9.495	ng	100
77) Benzidine	19.674	184	943	2.332	ng	# 1
78) Pyrene	19.845	202	524579	8.606	ng	99
81) Benzo(a)anthracene	21.563	228	298726	4.677	ng	97
83) Chrysene	21.616	228	270469	4.371	ng	97
87) Indeno(1,2,3-cd)pyrene	26.821	276	191223	2.362	ng	# 95
88) Benzo(b)fluoranthene	23.351	252	365174	5.548	ng	# 91
89) Benzo(k)fluoranthene	23.351	252	365174	5.465	ng	# 91
90) Benzo(a)pyrene	24.015	252	258260	4.058	ng	# 92
92) Benzo(g,h,i)perylene	27.656	276	191428	2.854	ng	96

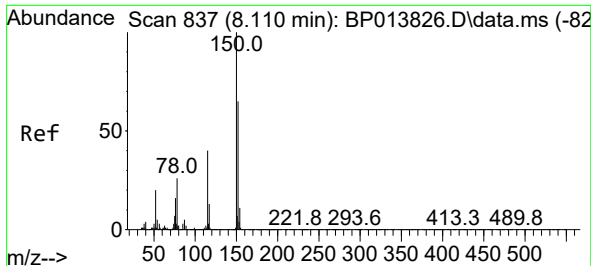
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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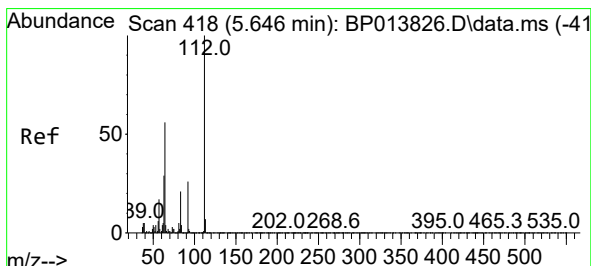
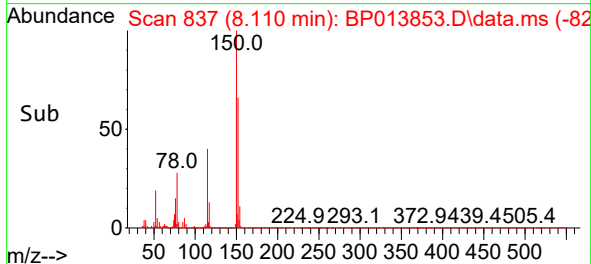
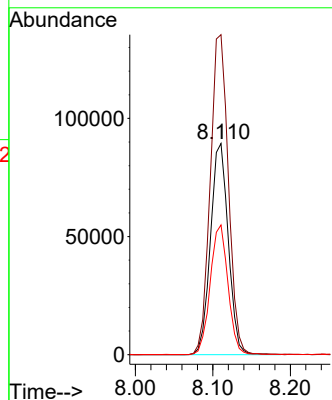
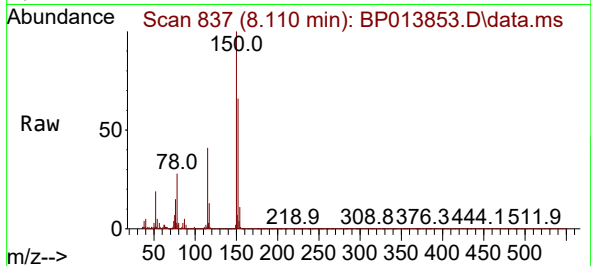




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

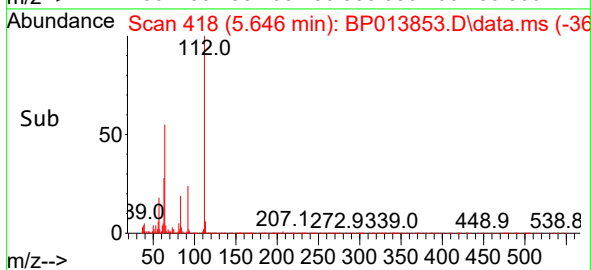
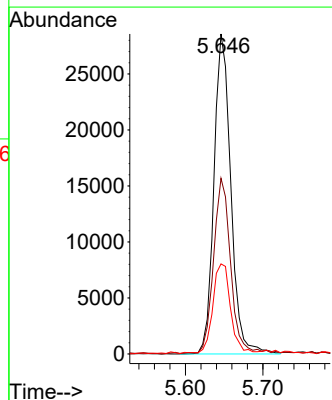
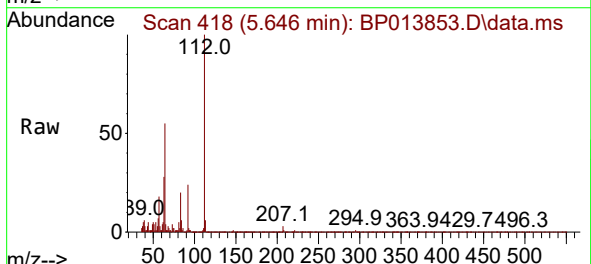
Instrument :
BNA_P
ClientSampleId :
COMP-4

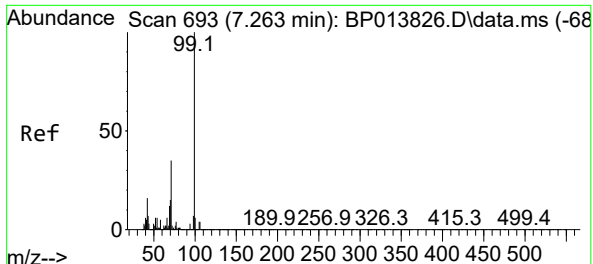
Tgt Ion:152 Resp: 142385
Ion Ratio Lower Upper
152 100
150 151.5 122.8 184.2
115 61.4 49.0 73.6



#5
2-Fluorophenol
Concen: 5.003 ng
RT: 5.646 min Scan# 418
Delta R.T. 0.000 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

Tgt Ion:112 Resp: 43223
Ion Ratio Lower Upper
112 100
64 54.9 44.6 66.8
63 28.1 23.6 35.4

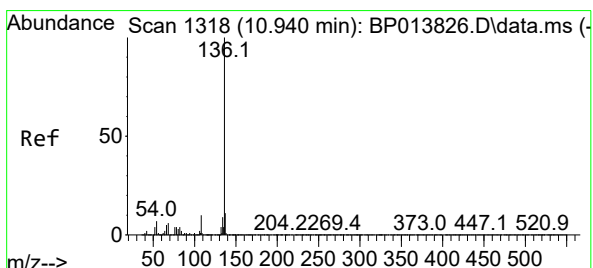
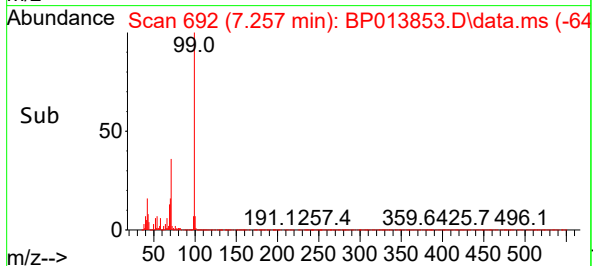
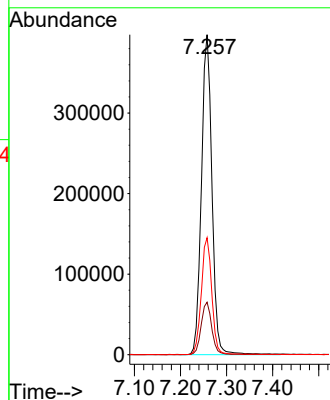
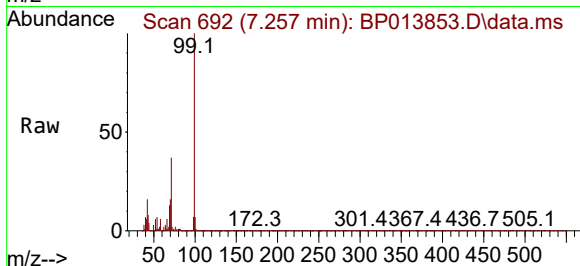




#7
Phenol-d6
Concen: 57.242 ng
RT: 7.257 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

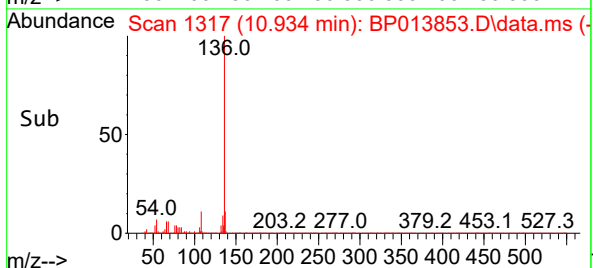
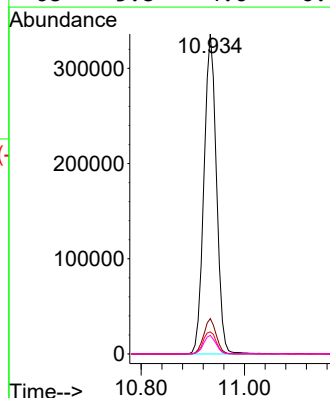
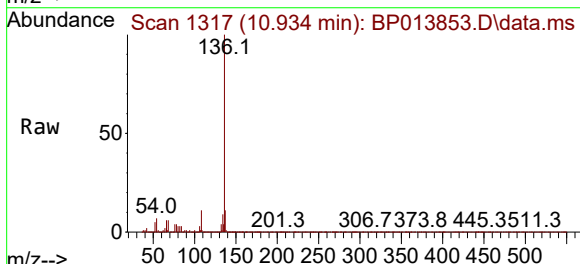
Instrument :
BNA_P
ClientSampleId :
COMP-4

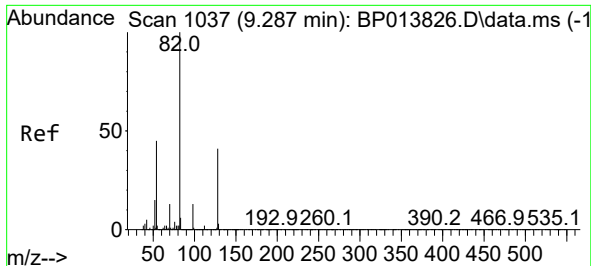
Tgt Ion: 99 Resp: 633354
Ion Ratio Lower Upper
99 100
42 16.4 12.5 18.7
71 36.5 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

Tgt Ion: 136 Resp: 562769
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 6.9 5.8 8.6
68 5.8 4.6 6.8

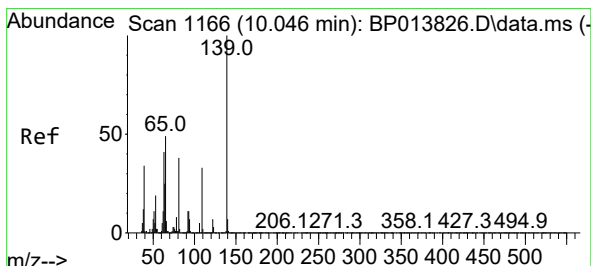
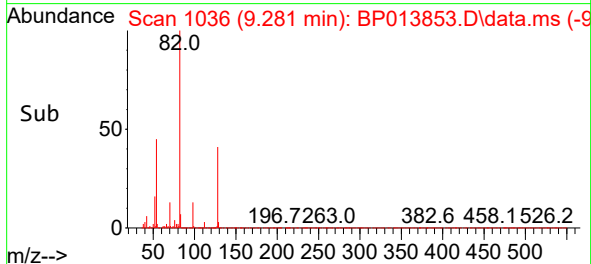
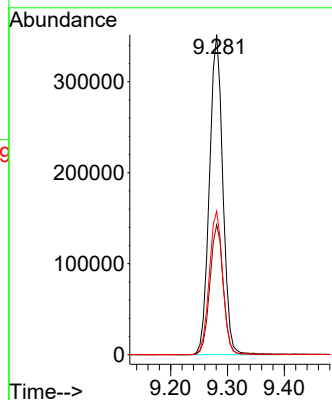
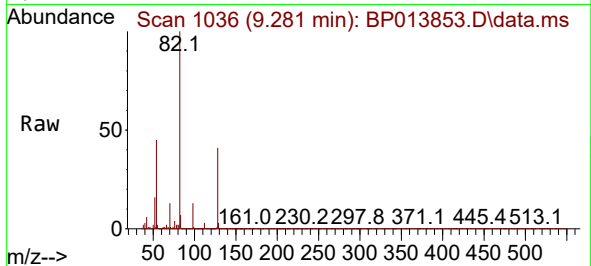




#23
Nitrobenzene-d5
Concen: 55.103 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

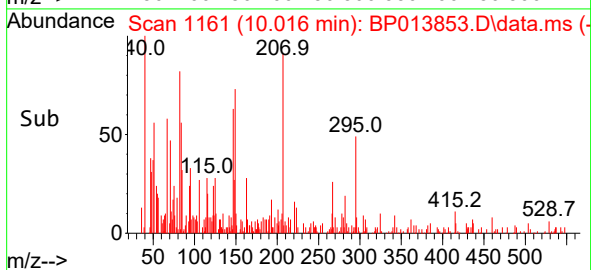
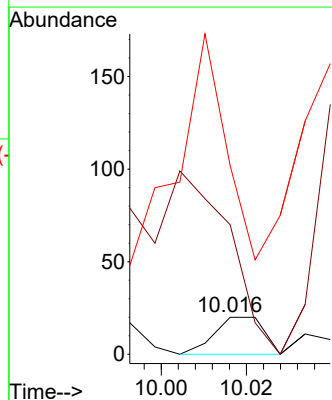
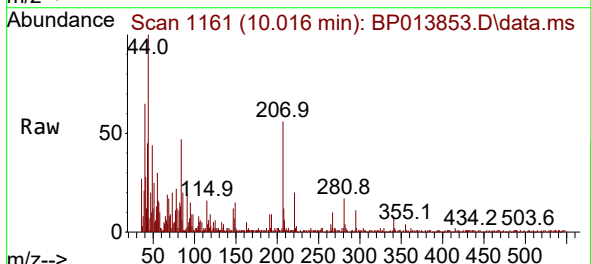
Instrument :
BNA_P
ClientSampleId :
COMP-4

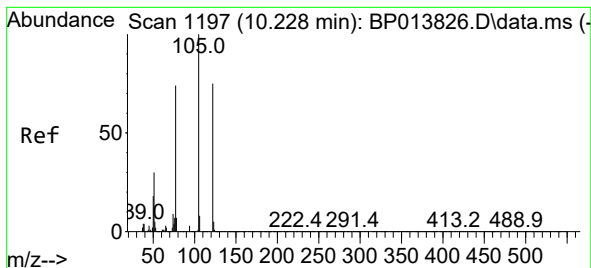
Tgt Ion: 82 Resp: 574265
Ion Ratio Lower Upper
82 100
128 40.6 32.9 49.3
54 44.9 35.6 53.4



#26
2-Nitrophenol
Concen: 2.771 ng
RT: 10.016 min Scan# 1161
Delta R.T. -0.030 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

Tgt Ion:139 Resp: 16
Ion Ratio Lower Upper
139 100
109 350.0 26.7 40.1#
65 510.0 39.4 59.2#





#32

Benzoic acid

Concen: 5.088 ng

RT: 10.234 min Scan# 1198

Delta R.T. 0.006 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

Instrument :

BNA_P

ClientSampleId :

COMP-4

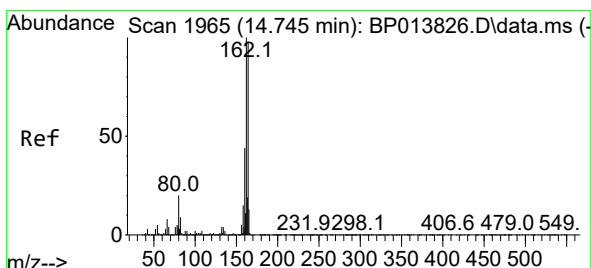
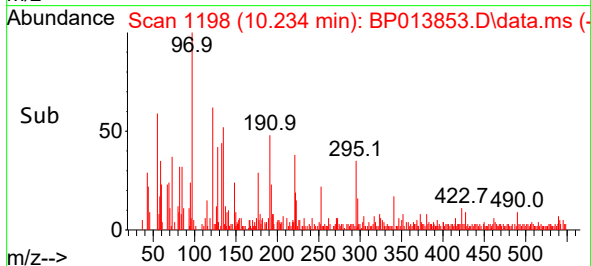
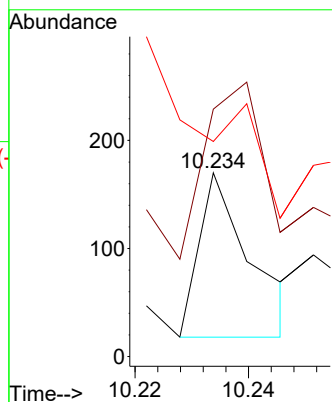
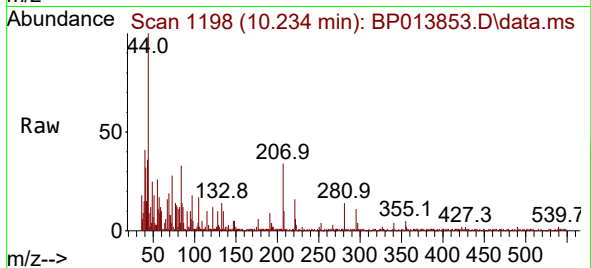
Tgt Ion:122 Resp: 96

Ion Ratio Lower Upper

122 100

105 134.7 107.4 147.4

77 117.1 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: BP013853.D

Acq: 17 Feb 2023 19:41

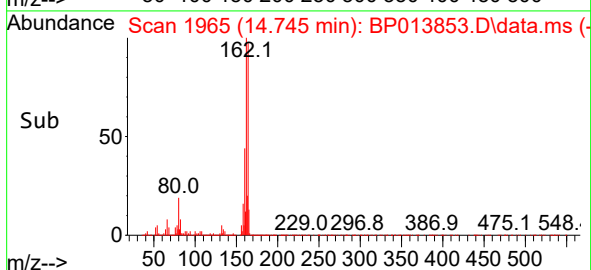
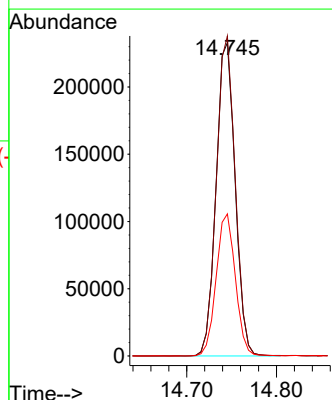
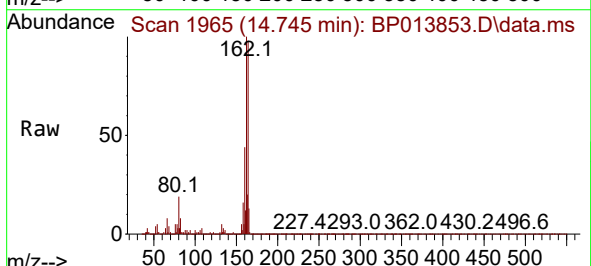
Tgt Ion:164 Resp: 343040

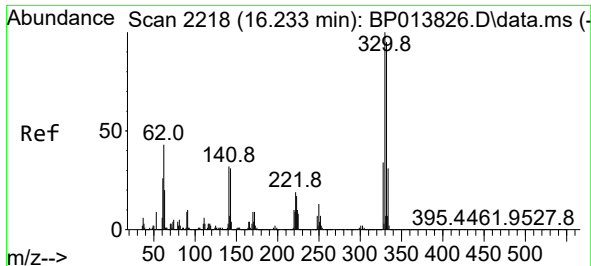
Ion Ratio Lower Upper

164 100

162 102.1 81.7 122.5

160 45.3 36.1 54.1

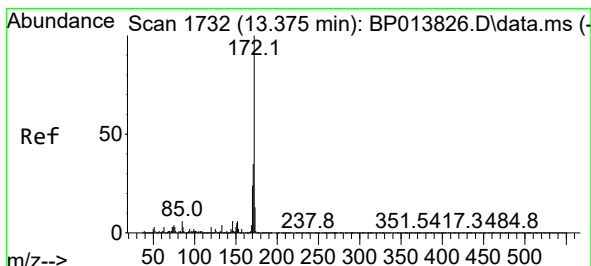
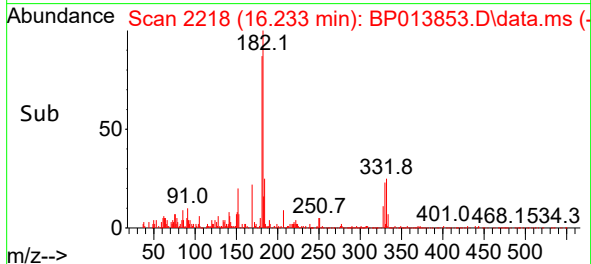
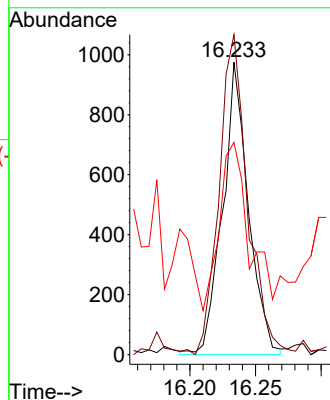
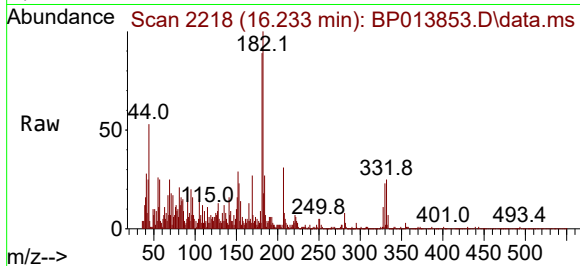




#42
2,4,6-Tribromophenol
Concen: 0.267 ng
RT: 16.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

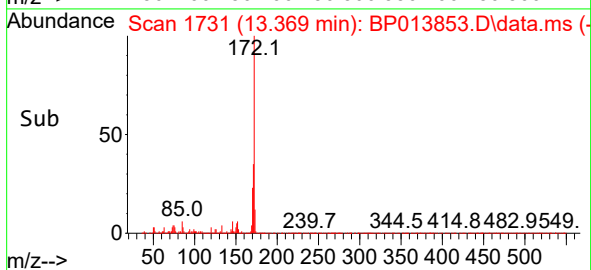
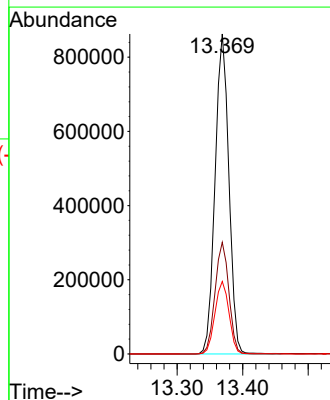
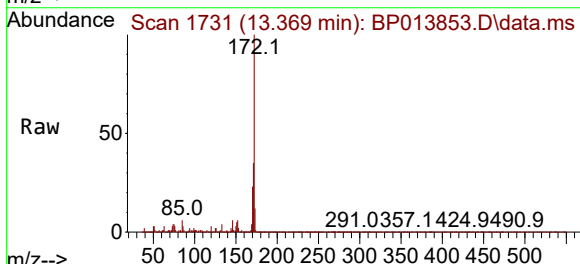
Instrument :
BNA_P
ClientSampleId :
COMP-4

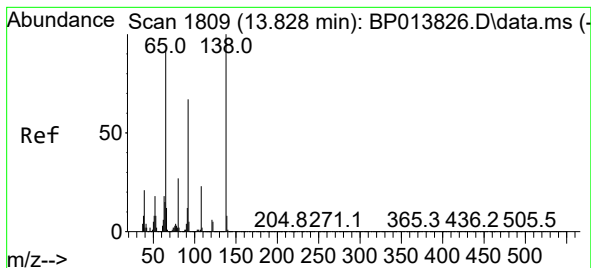
Tgt Ion:330 Resp: 1334
Ion Ratio Lower Upper
330 100
332 118.8 76.7 115.1#
141 70.2 25.1 37.7#



#45
2-Fluorobiphenyl
Concen: 48.129 ng
RT: 13.369 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

Tgt Ion:172 Resp: 1256988
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.6 19.0 28.4





#48

2-Nitroaniline

Concen: 3.239 ng

RT: 13.834 min Scan# 1809

Delta R.T. 0.006 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

Instrument :

BNA_P

ClientSampleId :

COMP-4

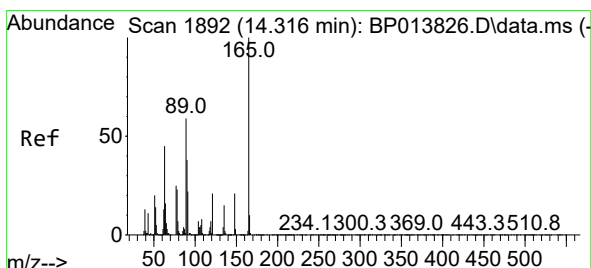
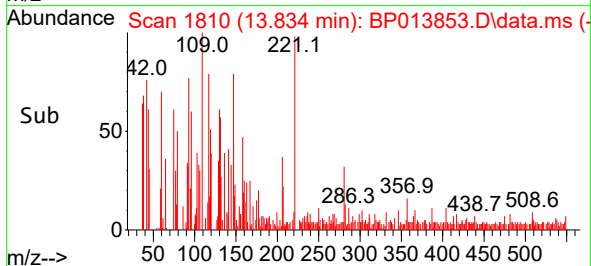
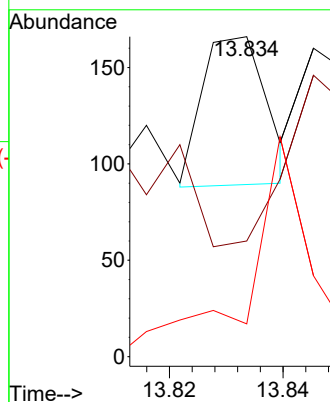
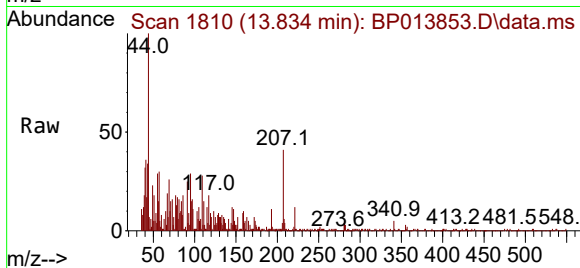
Tgt Ion: 65 Resp: 61

Ion Ratio Lower Upper

65 100

92 36.1 58.7 88.1#

138 10.2 87.3 130.9#



#51

2,6-Dinitrotoluene

Concen: 2.004 ng

RT: 14.351 min Scan# 1898

Delta R.T. 0.035 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

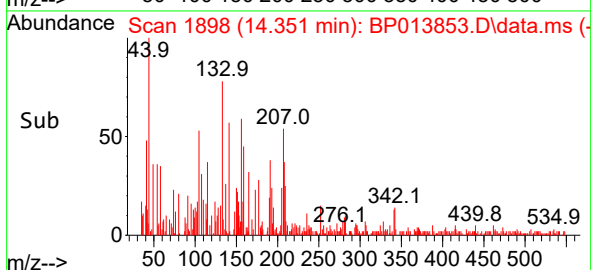
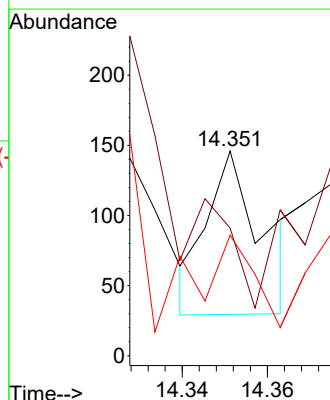
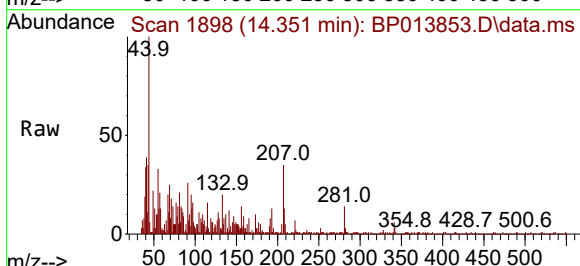
Tgt Ion: 165 Resp: 104

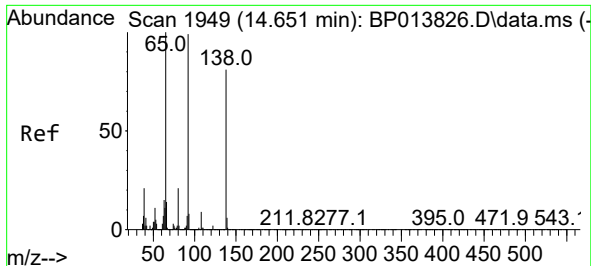
Ion Ratio Lower Upper

165 100

63 59.2 42.6 63.8

89 61.5 47.1 70.7

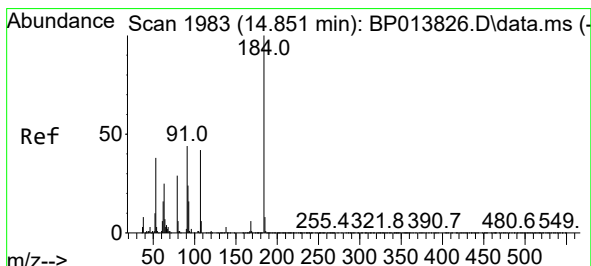
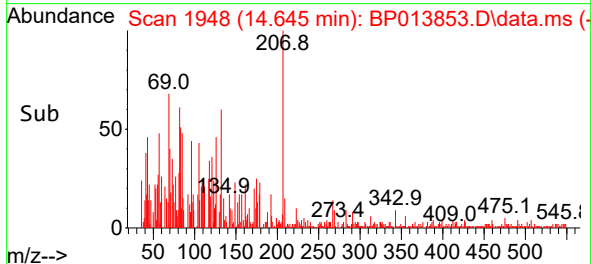
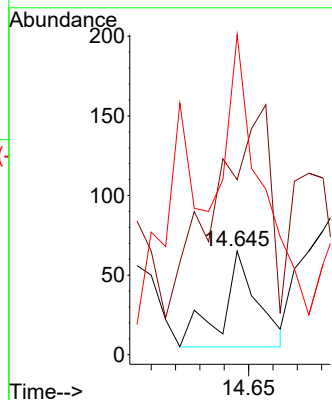
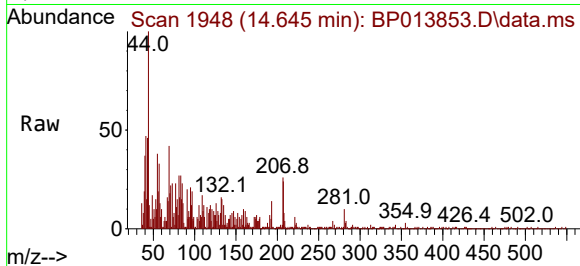




#53
3-Nitroaniline
Concen: 2.017 ng
RT: 14.645 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

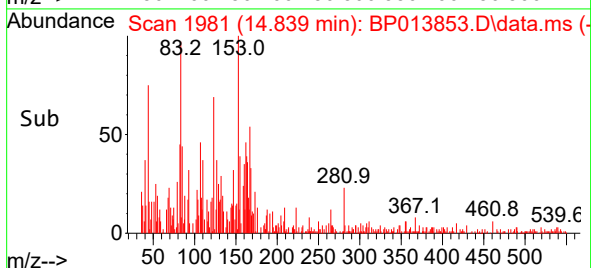
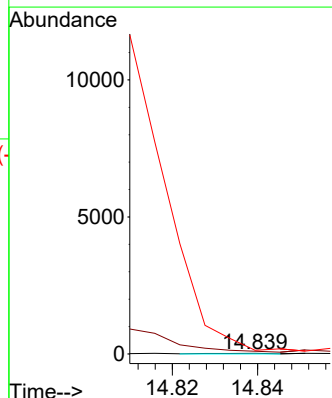
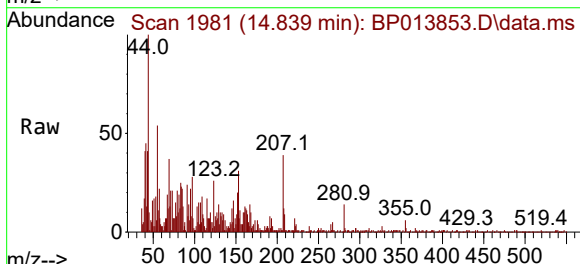
Instrument :
BNA_P
ClientSampleId :
COMP-4

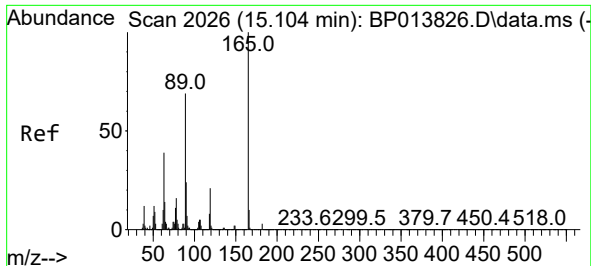
Tgt Ion:138 Resp: 60
Ion Ratio Lower Upper
138 100
108 169.2 9.0 13.4#
92 309.2 97.1 145.7#



#54
2,4-Dinitrophenol
Concen: 5.266 ng
RT: 14.839 min Scan# 1981
Delta R.T. -0.012 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

Tgt Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 459.1 47.0 70.4#
154 622.7 51.5 77.3#





#57

2,4-Dinitrotoluene

Concen: 2.301 ng

RT: 15.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

Instrument :

BNA_P

ClientSampleId :

COMP-4

Tgt Ion:165 Resp: 173

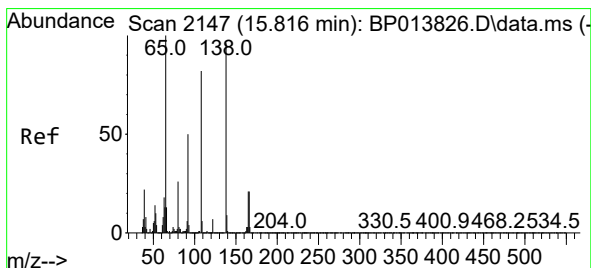
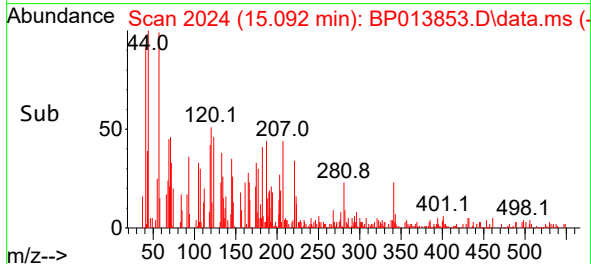
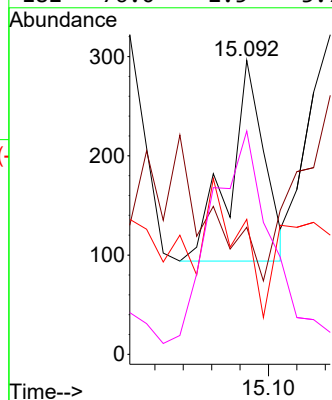
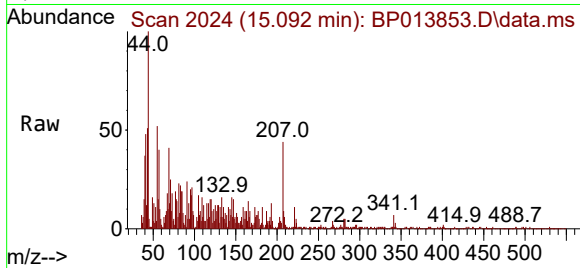
Ion Ratio Lower Upper

165 100

63 43.2 31.1 46.7

89 45.9 54.9 82.3#

182 76.0 2.5 3.7#



#62

4-Nitroaniline

Concen: 2.609 ng

RT: 15.781 min Scan# 2141

Delta R.T. -0.035 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

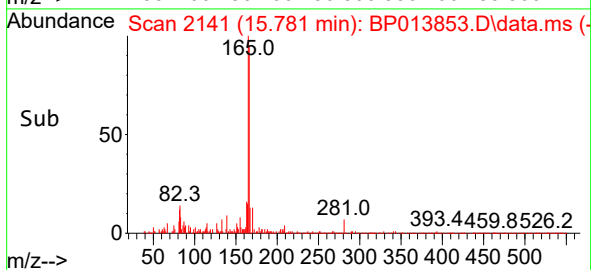
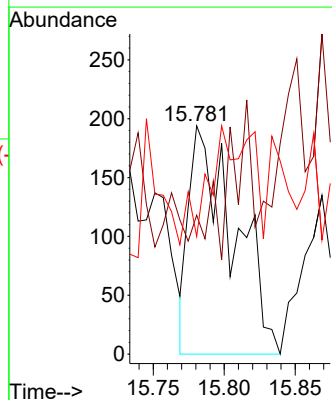
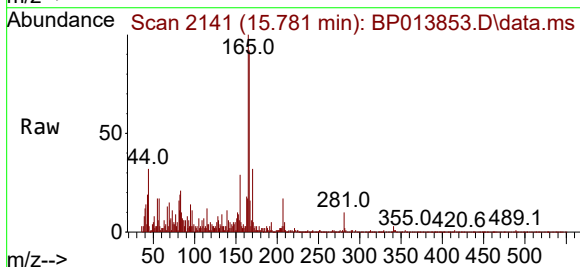
Tgt Ion:138 Resp: 430

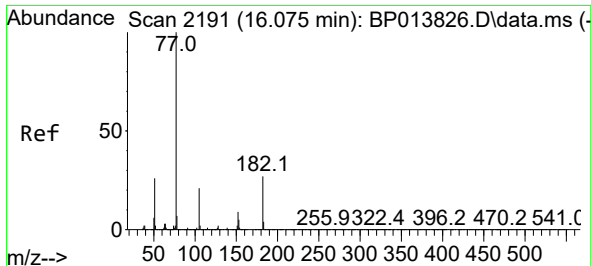
Ion Ratio Lower Upper

138 100

92 60.8 32.0 72.0

108 51.5 65.6 105.6#

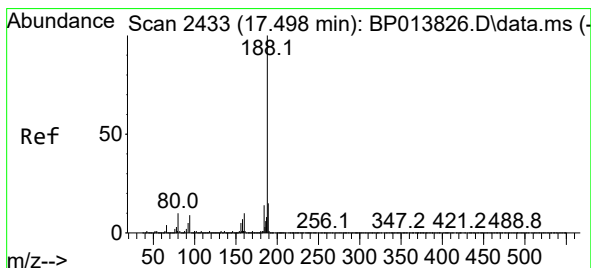
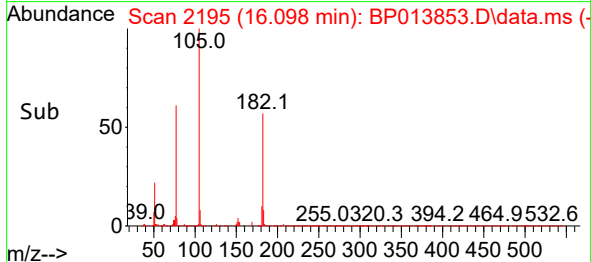
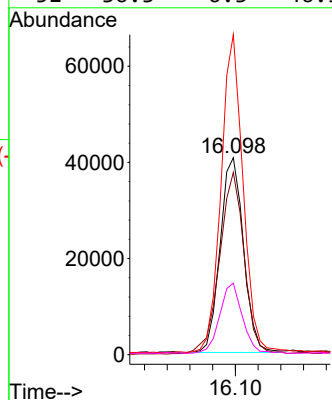
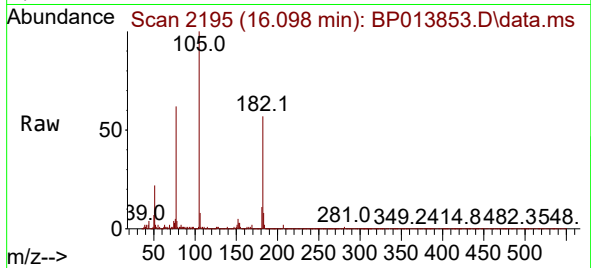




#63
Azobenzene
Concen: 2.346 ng
RT: 16.098 min Scan# 2191
Delta R.T. 0.024 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

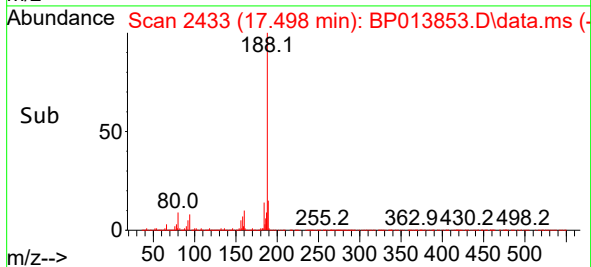
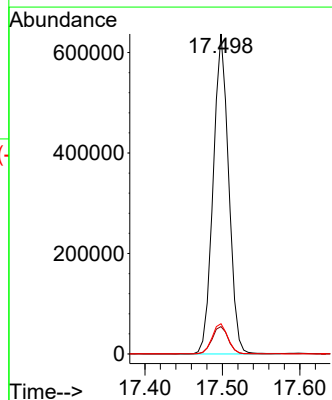
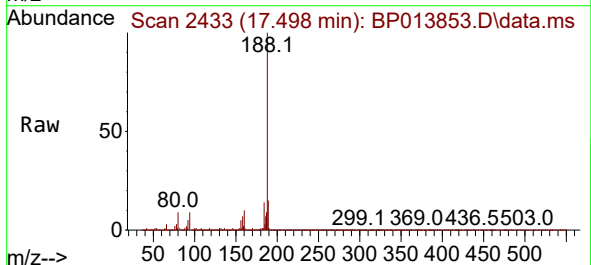
Instrument :
BNA_P
ClientSampleId :
COMP-4

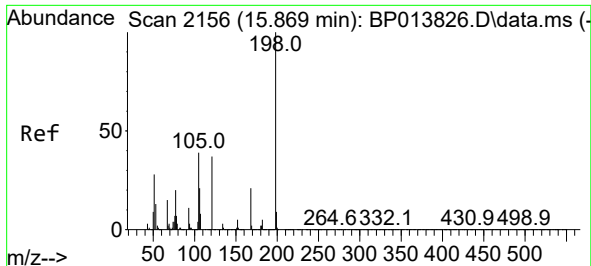
Tgt Ion: 77	Resp: 57783
Ion Ratio	Lower Upper
77 100	
182 92.5	6.9 46.9#
105 162.4	1.1 41.1#
51 36.3	6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

Tgt Ion: 188	Resp: 883137
Ion Ratio	Lower Upper
188 100	
94 8.5	7.0 10.6
80 9.4	7.8 11.8

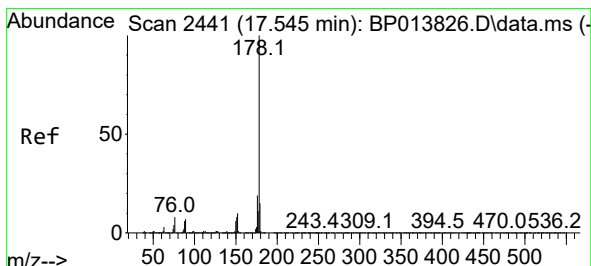
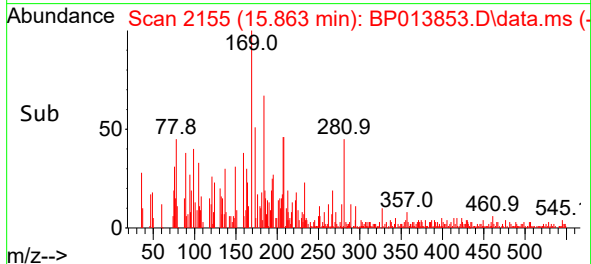
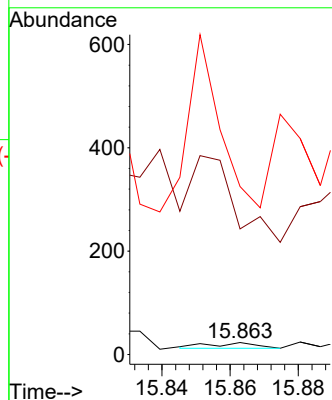
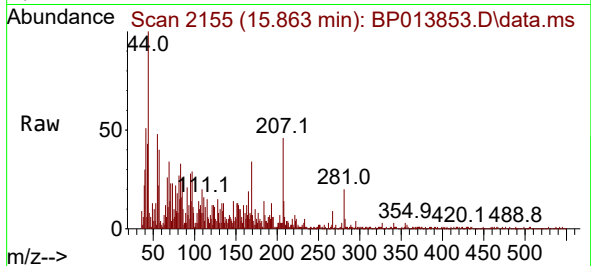




#65
4,6-Dinitro-2-methylphenol
Concen: 4.625 ng
RT: 15.863 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

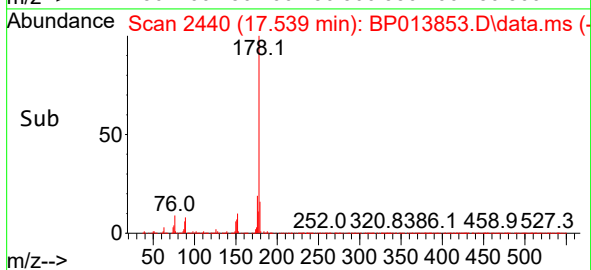
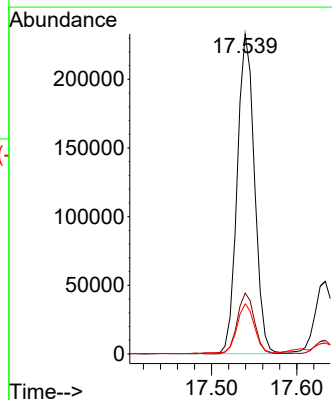
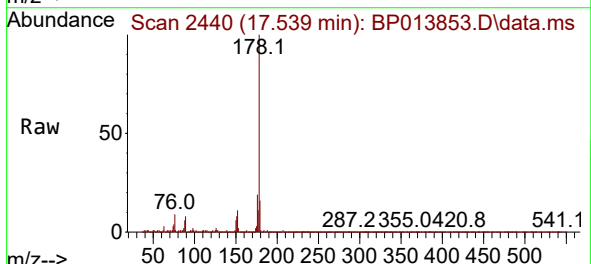
Instrument :
BNA_P
ClientSampleId :
COMP-4

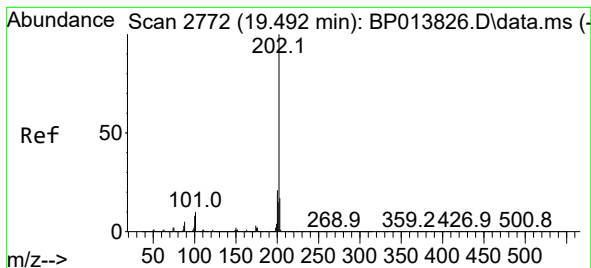
Tgt Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 1056.5 14.3 54.3#
105 1413.0 20.5 60.5#



#71
Phenanthrene
Concen: 6.612 ng
RT: 17.539 min Scan# 2440
Delta R.T. -0.006 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

Tgt Ion:178 Resp: 327129
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.7 12.2 18.4





#75

Fluoranthene

Concen: 9.495 ng

RT: 19.492 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

Instrument :

BNA_P

ClientSampleId :

COMP-4

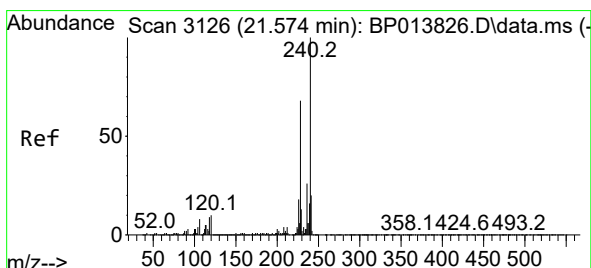
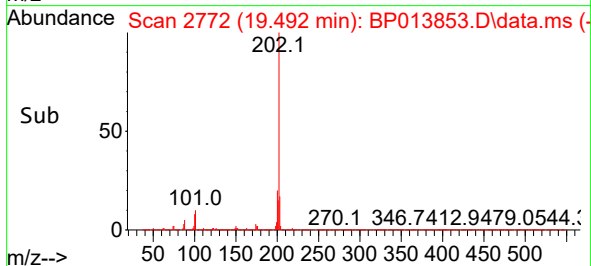
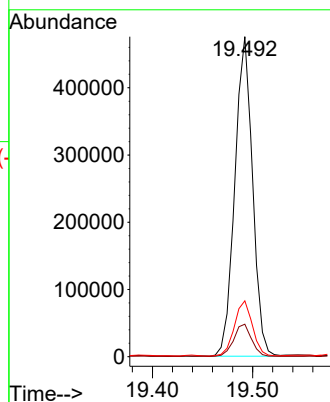
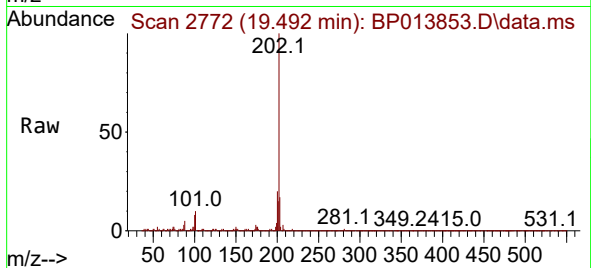
Tgt Ion:202 Resp: 585642

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.0

203 17.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 3126

Delta R.T. 0.000 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

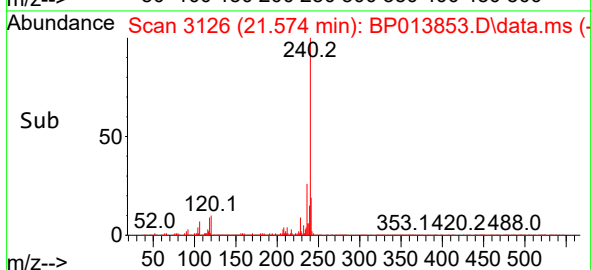
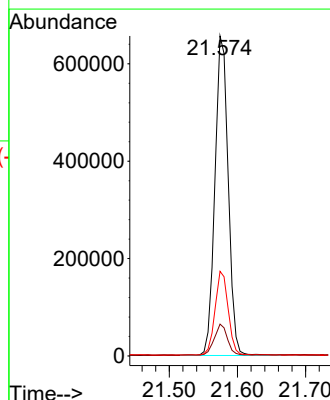
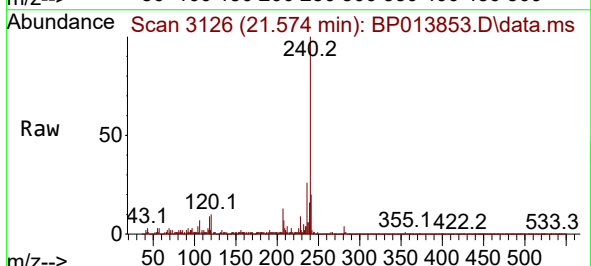
Tgt Ion:240 Resp: 892021

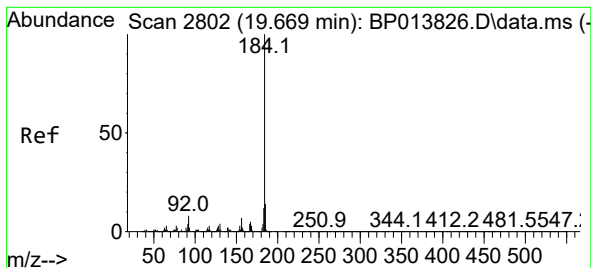
Ion Ratio Lower Upper

240 100

120 10.0 7.9 11.9

236 26.4 20.9 31.3





#77

Benzidine

Concen: 2.332 ng

RT: 19.674 min Scan# 2802

Delta R.T. 0.005 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

Instrument :

BNA_P

ClientSampleId :

COMP-4

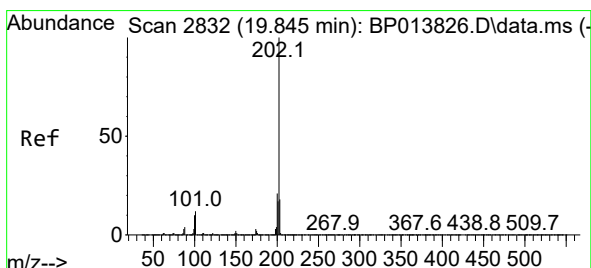
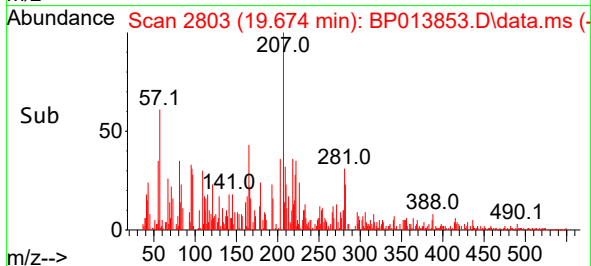
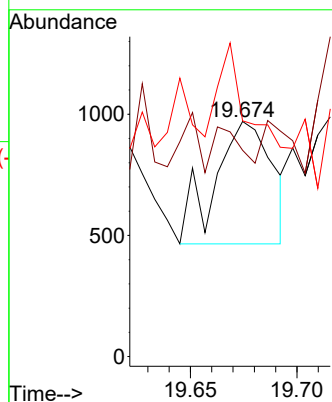
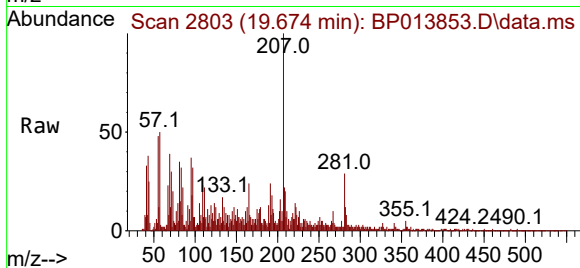
Tgt Ion:184 Resp: 943

Ion Ratio Lower Upper

184 100

185 87.7 11.4 17.0#

183 100.3 9.6 14.4#



#78

Pyrene

Concen: 8.606 ng

RT: 19.845 min Scan# 2832

Delta R.T. 0.000 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

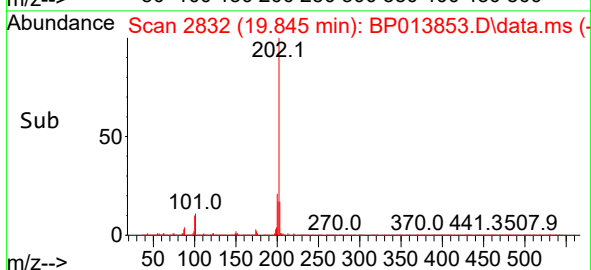
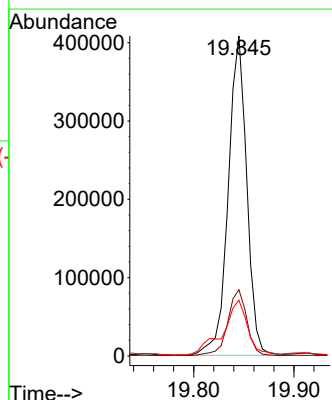
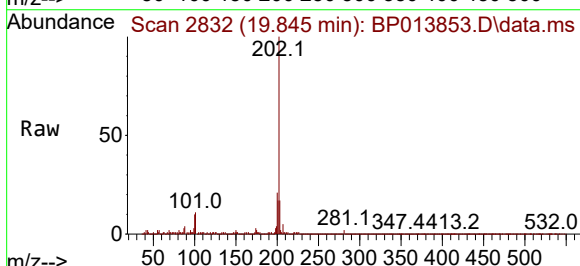
Tgt Ion:202 Resp: 524579

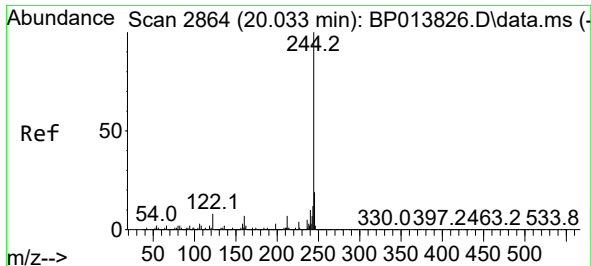
Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 17.5 14.2 21.2

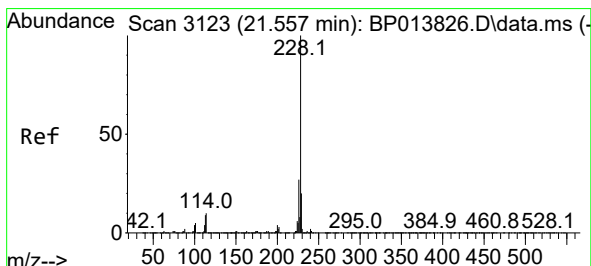
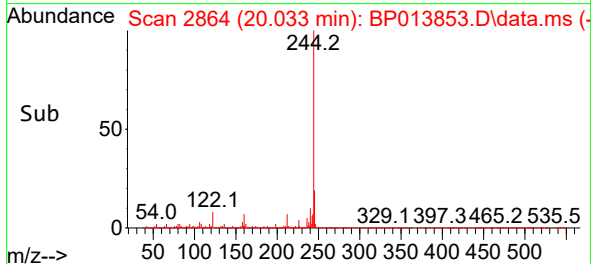
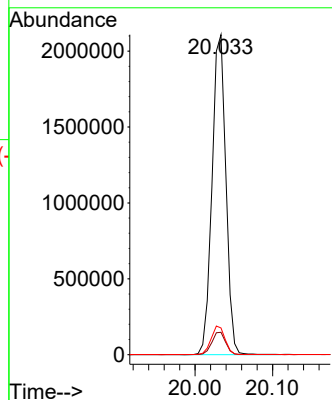
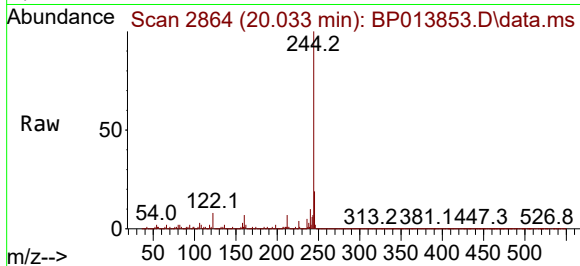




#79
 Terphenyl-d14
 Concen: 56.381 ng
 RT: 20.033 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP013853.D
 Acq: 17 Feb 2023 19:41

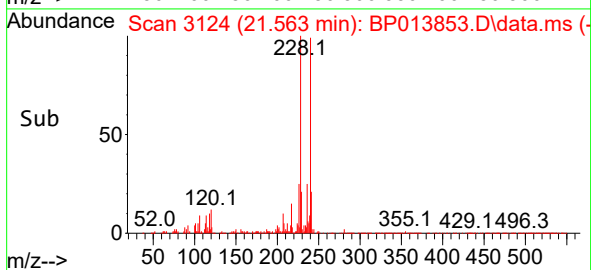
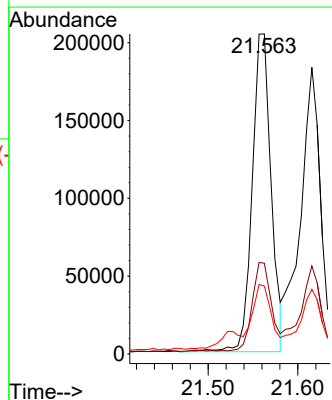
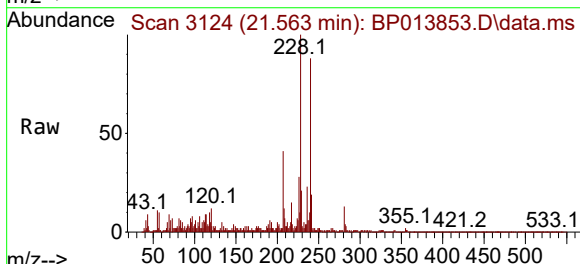
Instrument :
 BNA_P
 ClientSampleId :
 COMP-4

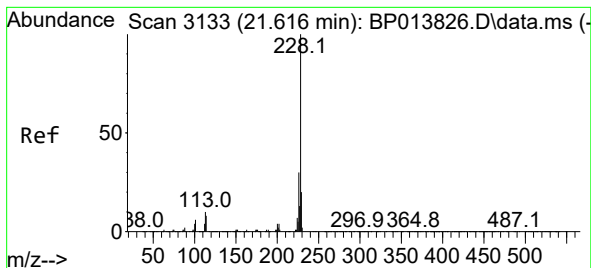
Tgt Ion:244 Resp: 2613974
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 8.4 6.7 10.1



#81
 Benzo(a)anthracene
 Concen: 4.677 ng
 RT: 21.563 min Scan# 3124
 Delta R.T. 0.006 min
 Lab File: BP013853.D
 Acq: 17 Feb 2023 19:41

Tgt Ion:228 Resp: 298726
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.7 32.5
 229 21.2 15.8 23.6





#83

Chrysene

Concen: 4.371 ng

RT: 21.616 min Scan# 3133

Delta R.T. 0.000 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

Instrument :

BNA_P

ClientSampleId :

COMP-4

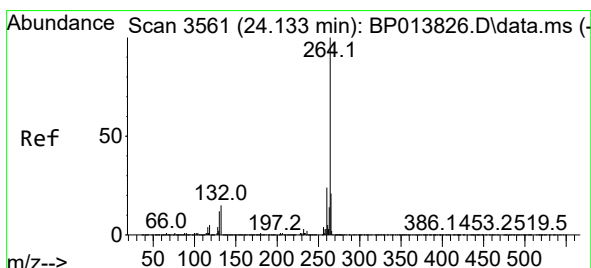
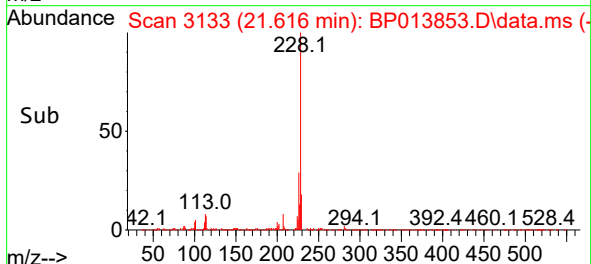
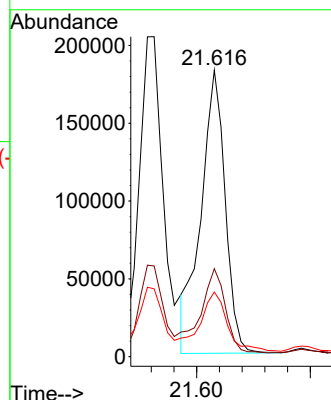
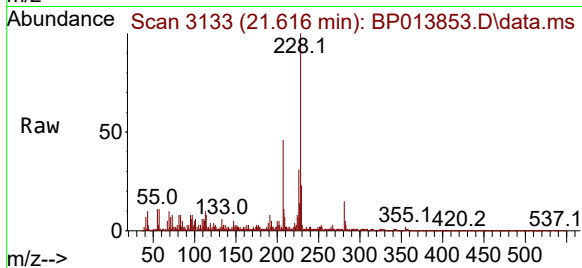
Tgt Ion:228 Resp: 270469

Ion Ratio Lower Upper

228 100

226 30.7 23.8 35.8

229 22.6 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.133 min Scan# 3561

Delta R.T. 0.000 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

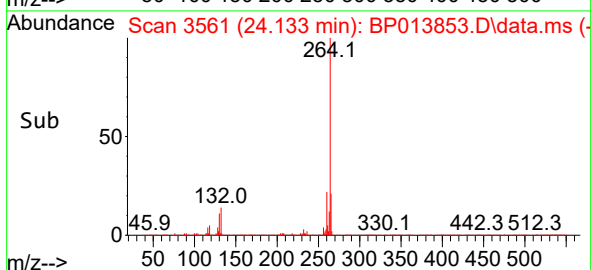
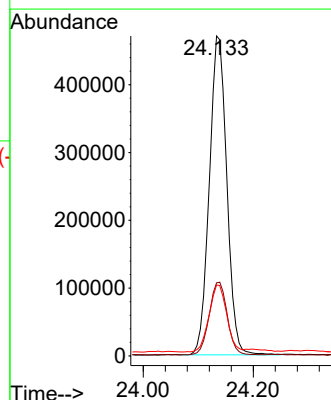
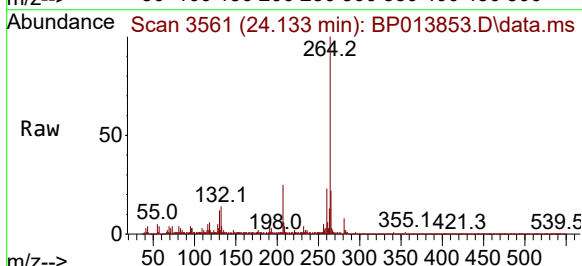
Tgt Ion:264 Resp: 1040775

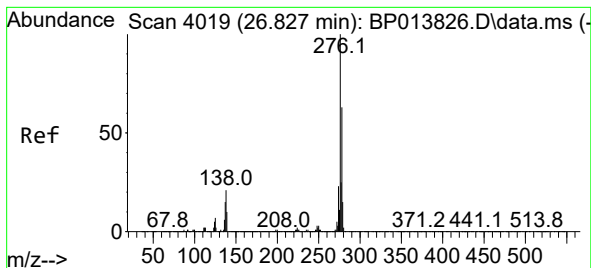
Ion Ratio Lower Upper

264 100

260 22.9 19.4 29.0

265 22.2 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.362 ng

RT: 26.821 min Scan# 4019

Delta R.T. -0.006 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

Instrument :

BNA_P

ClientSampleId :

COMP-4

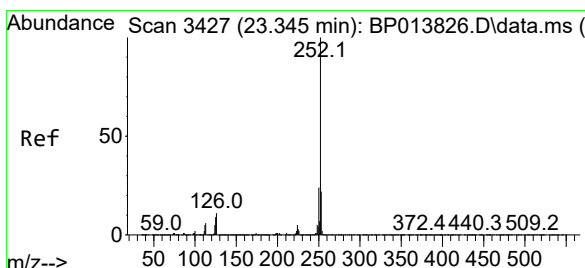
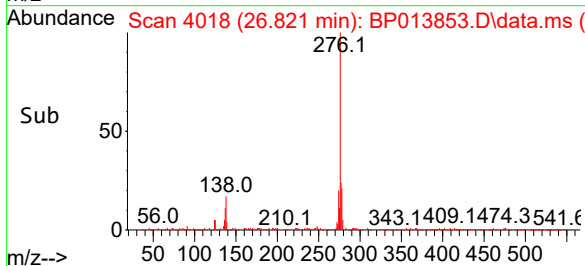
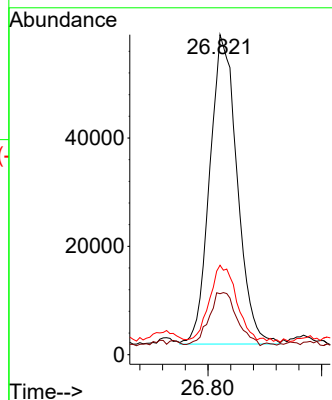
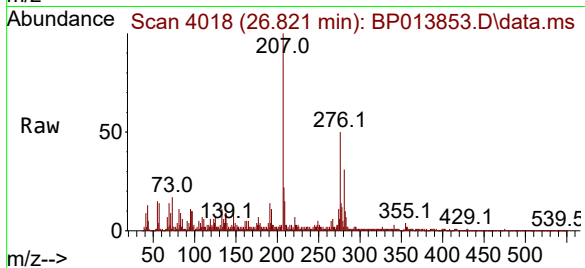
Tgt Ion:276 Resp: 191223

Ion Ratio Lower Upper

276 100

138 17.6 17.8 26.8#

277 25.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 5.548 ng

RT: 23.351 min Scan# 3428

Delta R.T. 0.006 min

Lab File: BP013853.D

Acq: 17 Feb 2023 19:41

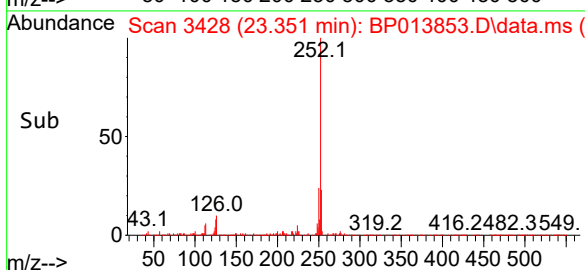
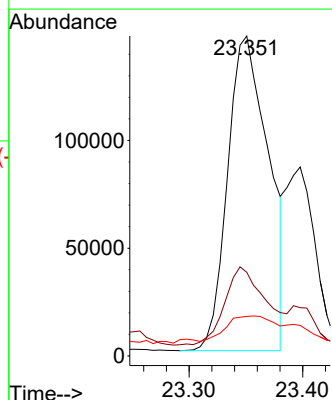
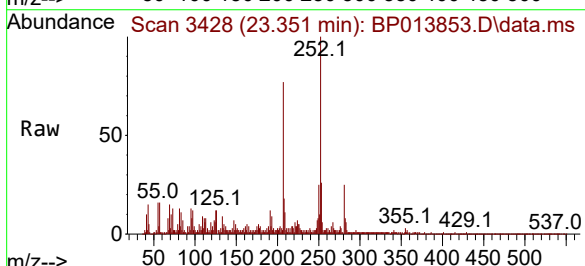
Tgt Ion:252 Resp: 365174

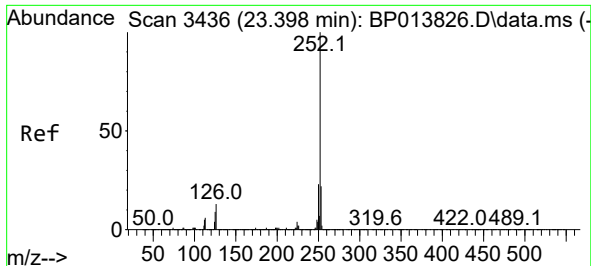
Ion Ratio Lower Upper

252 100

253 26.1 17.8 26.6

125 12.4 7.1 10.7#

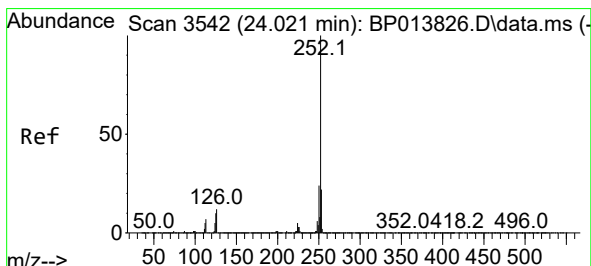
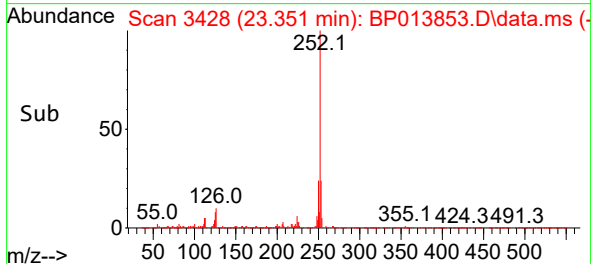
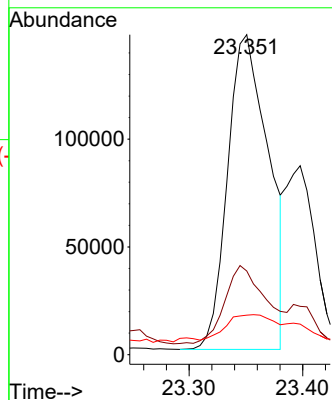
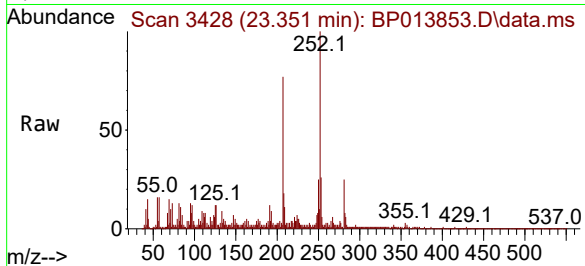




#89
Benzo(k)fluoranthene
Concen: 5.465 ng
RT: 23.351 min Scan# 34
Delta R.T. -0.047 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

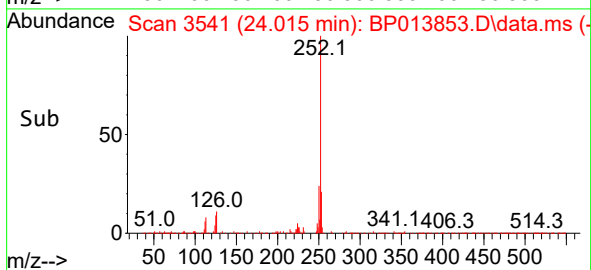
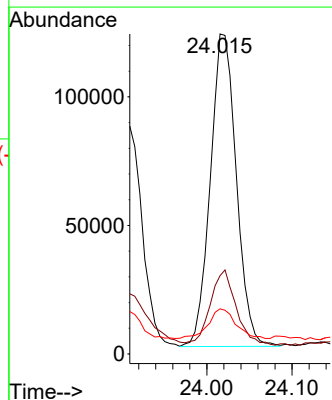
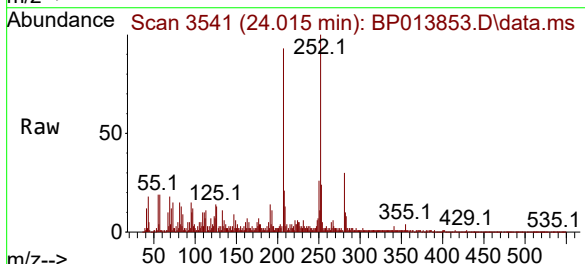
Instrument :
BNA_P
ClientSampleId :
COMP-4

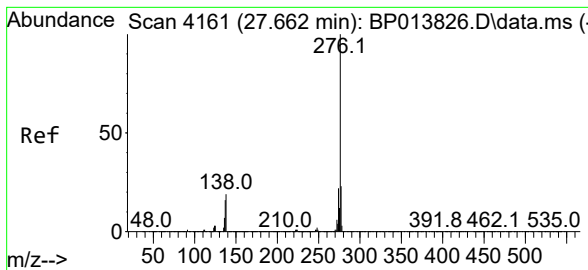
Tgt Ion:252 Resp: 365174
Ion Ratio Lower Upper
252 100
253 26.1 17.5 26.3
125 12.4 7.0 10.4#



#90
Benzo(a)pyrene
Concen: 4.058 ng
RT: 24.015 min Scan# 3541
Delta R.T. -0.006 min
Lab File: BP013853.D
Acq: 17 Feb 2023 19:41

Tgt Ion:252 Resp: 258260
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.0
125 14.1 7.7 11.5#





#92
 Benzo(g,h,i)perylene
 Concen: 2.854 ng
 RT: 27.656 min Scan# 4160
 Delta R.T. -0.006 min
 Lab File: BP013853.D
 Acq: 17 Feb 2023 19:41

Instrument :
 BNA_P
 ClientSampleId :
 COMP-4

Tgt Ion:276 Resp: 191428
 Ion Ratio Lower Upper
 276 100
 277 26.2 18.7 28.1
 138 20.0 15.5 23.3

