

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022323\
 Data File : BP013878.D
 Acq On : 23 Feb 2023 13:57
 Operator : CG/JU
 Sample : PB151032BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB151032BL

Quant Time: Feb 24 01:39:45 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 24 01:37:56 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

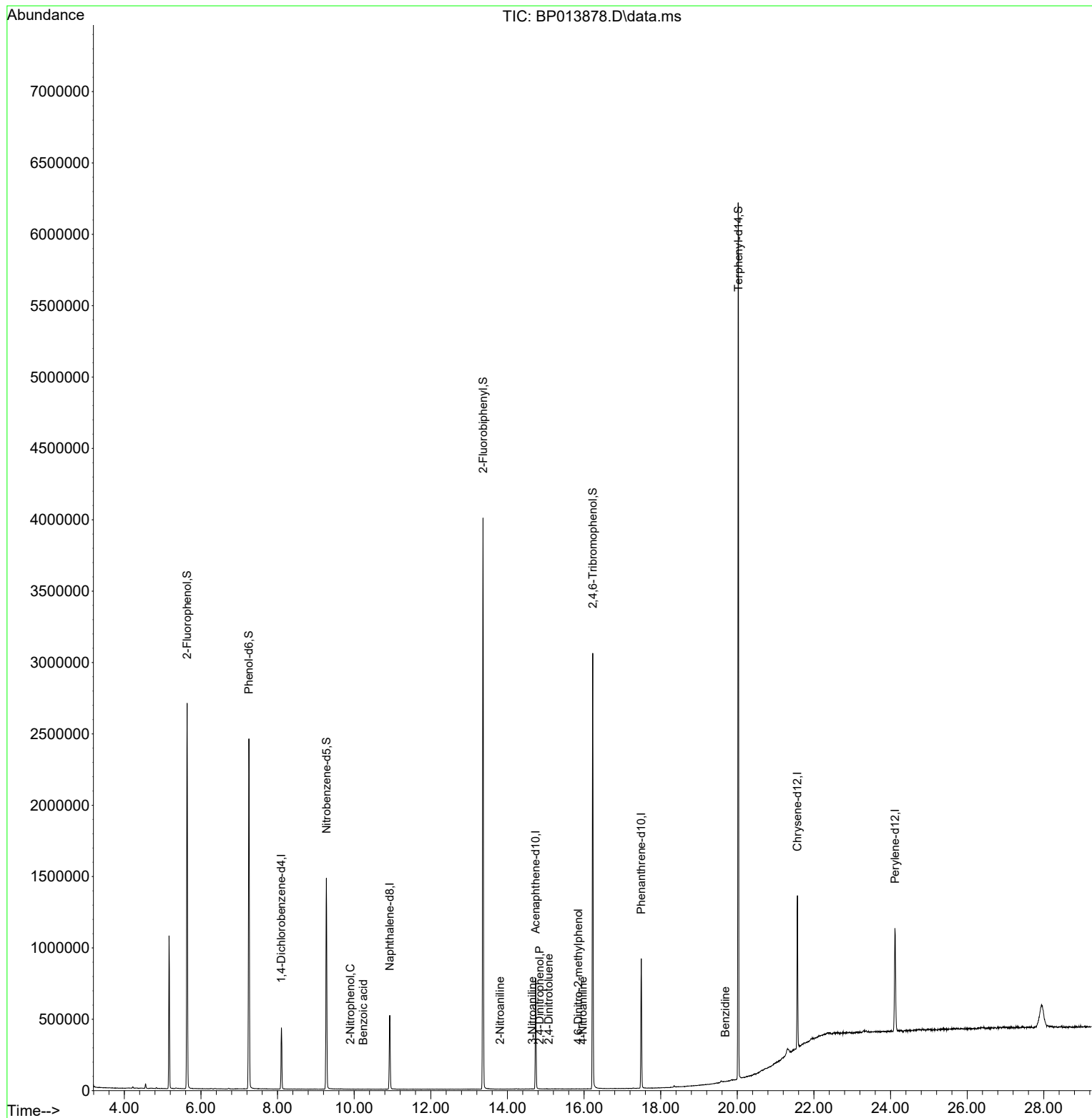
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.099	152	117339	20.000	ng	0.00
21) Naphthalene-d8	10.928	136	427444	20.000	ng	0.00
39) Acenaphthene-d10	14.739	164	260029	20.000	ng	0.00
64) Phenanthrene-d10	17.492	188	554396	20.000	ng	0.00
76) Chrysene-d12	21.569	240	533605	20.000	ng	0.00
86) Perylene-d12	24.115	264	596308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	1120503	157.382	ng	0.00
7) Phenol-d6	7.252	99	1392266	152.689	ng	0.00
23) Nitrobenzene-d5	9.275	82	857984	108.391	ng	0.00
42) 2,4,6-Tribromophenol	16.228	330	588234	155.405	ng	0.00
45) 2-Fluorobiphenyl	13.363	172	1994723	100.758	ng	0.00
79) Terphenyl-d14	20.027	244	3021652	108.950	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.899	139	21	2.773	ng	92
32) Benzoic acid	10.234	122	19	5.079	ng	# 42
48) 2-Nitroaniline	13.810	65	54	3.241	ng	# 20
53) 3-Nitroaniline	14.645	138	10	2.010	ng	# 33
54) 2,4-Dinitrophenol	14.839	184	17	5.267	ng	# 68
57) 2,4-Dinitrotoluene	15.075	165	13	2.283	ng	# 1
62) 4-Nitroaniline	15.969	138	19	2.551	ng	93
65) 4,6-Dinitro-2-methylph...	15.845	198	9	4.626	ng	# 1
77) Benzidine	19.686	184	430	2.320	ng	# 77

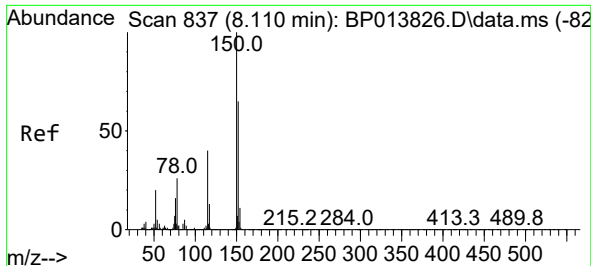
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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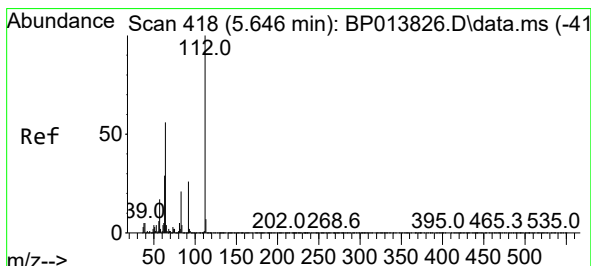
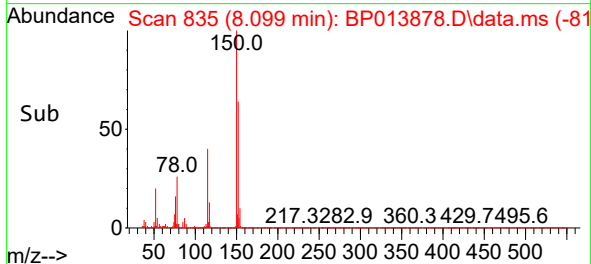
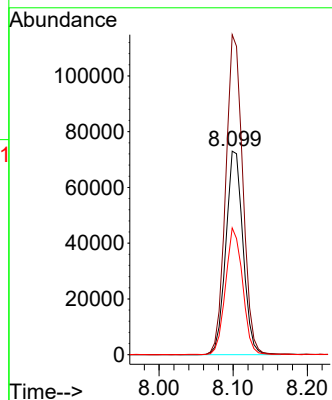
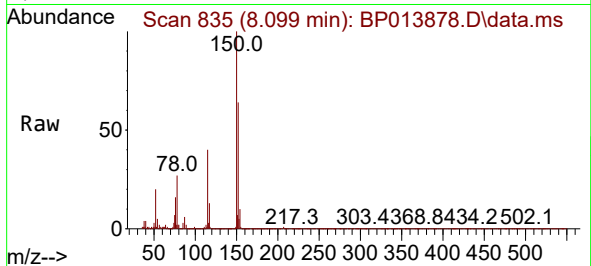




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.099 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

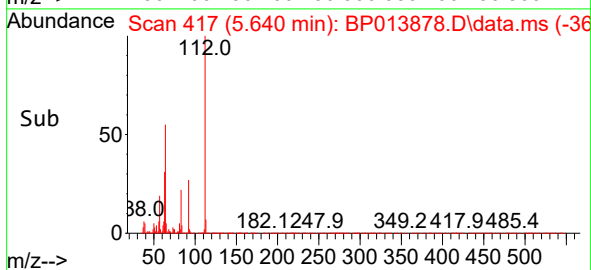
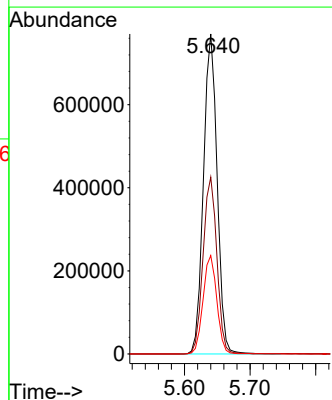
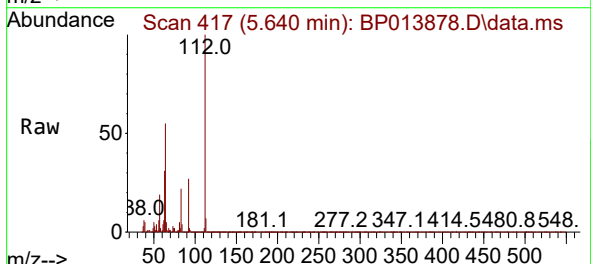
Instrument :
BNA_P
ClientSampleId :
PB151032BL

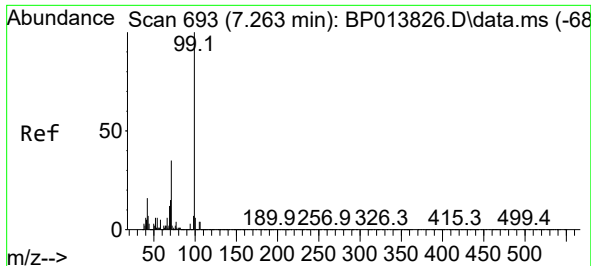
Tgt Ion:152 Resp: 117339
Ion Ratio Lower Upper
152 100
150 157.2 122.8 184.2
115 62.3 49.0 73.6



#5
2-Fluorophenol
Concen: 157.382 ng
RT: 5.640 min Scan# 417
Delta R.T. 0.006 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

Tgt Ion:112 Resp: 1120503
Ion Ratio Lower Upper
112 100
64 55.3 44.6 66.8
63 30.8 23.6 35.4



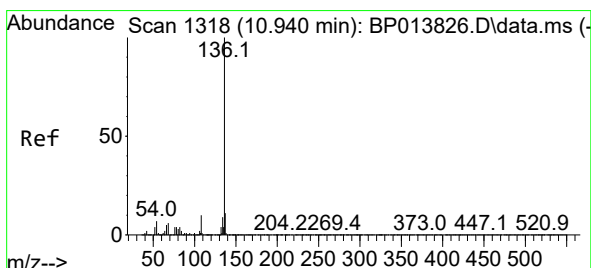
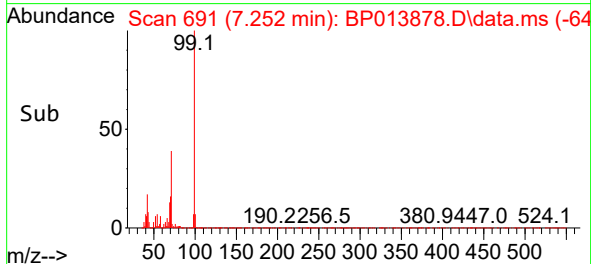
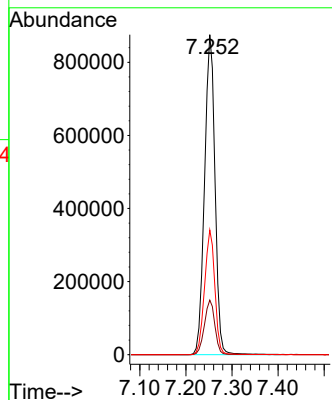
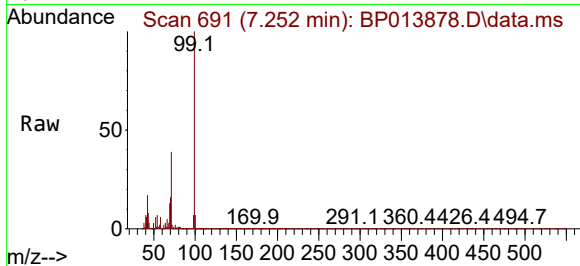


#7
Phenol-d6
Concen: 152.689 ng
RT: 7.252 min Scan# 693
Delta R.T. -0.000 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

Instrument :
BNA_P
ClientSampleId :
PB151032BL

Tgt Ion: 99 Resp: 1392266

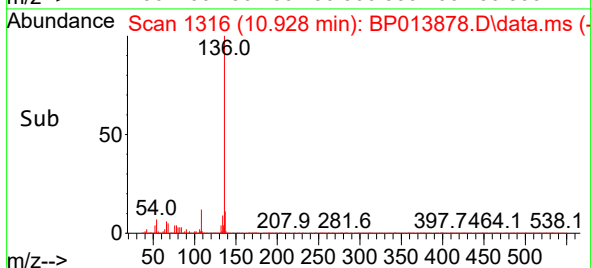
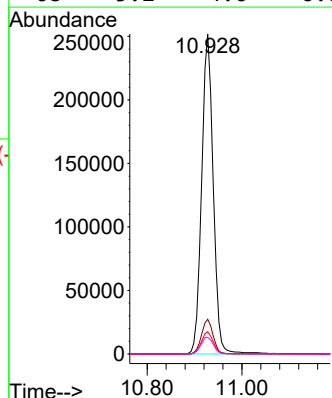
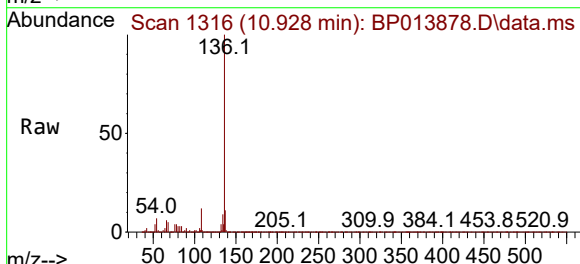
Ion	Ratio	Lower	Upper
99	100		
42	17.0	12.5	18.7
71	38.9	27.8	41.8

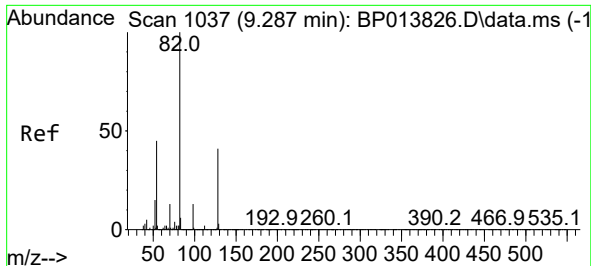


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.928 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

Tgt Ion: 136 Resp: 427444

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.0	5.8	8.6
68	5.2	4.6	6.8

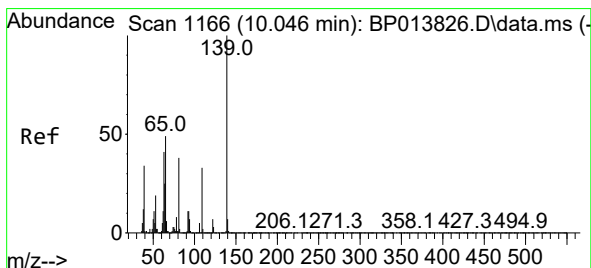
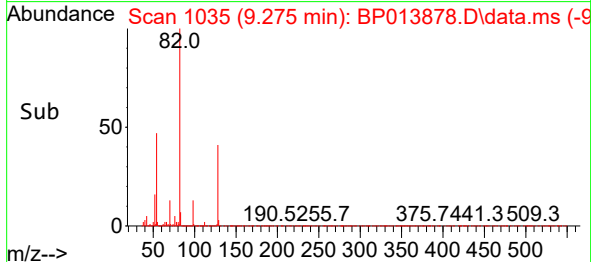
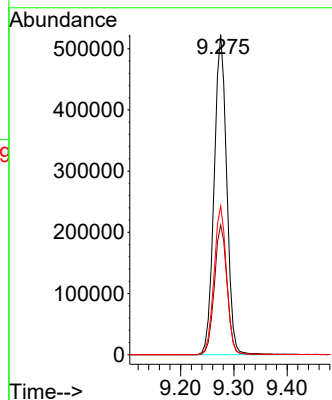
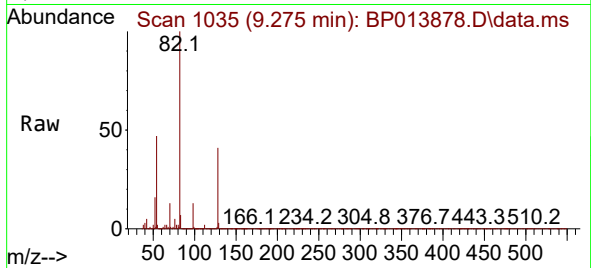




#23
Nitrobenzene-d5
Concen: 108.391 ng
RT: 9.275 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

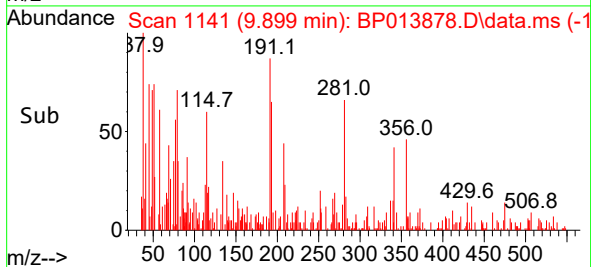
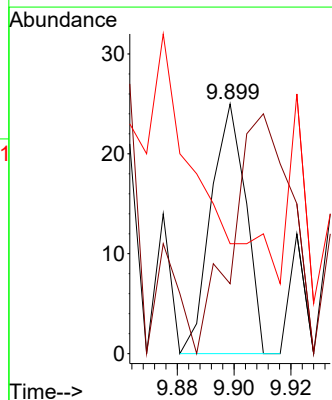
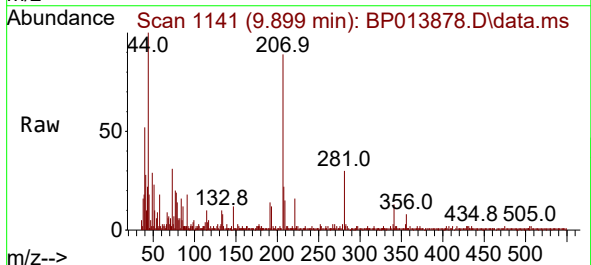
Instrument :
BNA_P
ClientSampleId :
PB151032BL

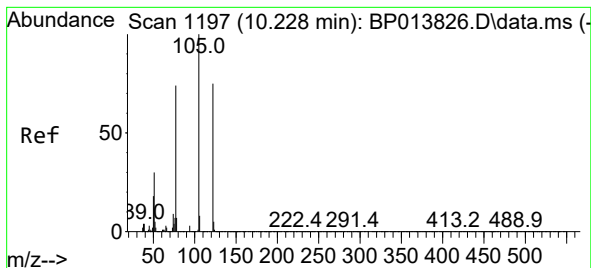
Tgt Ion: 82 Resp: 857984
Ion Ratio Lower Upper
82 100
128 40.6 32.9 49.3
54 46.5 35.6 53.4



#26
2-Nitrophenol
Concen: 2.773 ng
RT: 9.899 min Scan# 1141
Delta R.T. -0.135 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

Tgt Ion:139 Resp: 21
Ion Ratio Lower Upper
139 100
109 28.0 26.7 40.1
65 44.0 39.4 59.2





#32

Benzoic acid

Concen: 5.079 ng

RT: 10.234 min Scan# 1197

Delta R.T. 0.018 min

Lab File: BP013878.D

Acq: 23 Feb 2023 13:57

Instrument :

BNA_P

ClientSampleId :

PB151032BL

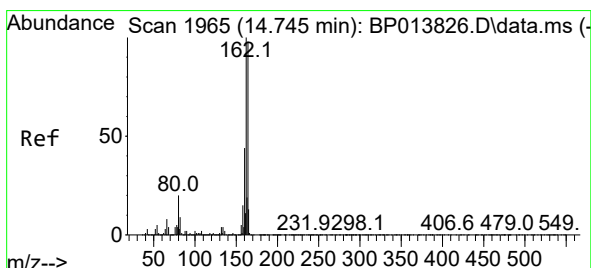
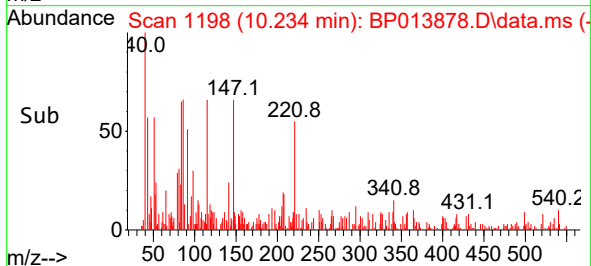
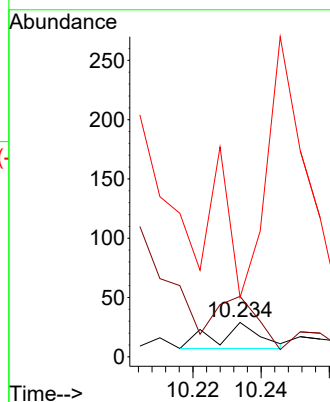
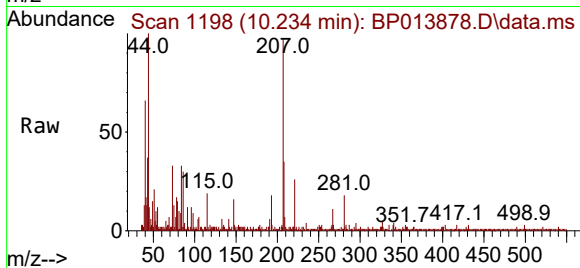
Tgt Ion:122 Resp: 19

Ion Ratio Lower Upper

122 100

105 175.9 107.4 147.4#

77 172.4 76.0 116.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.739 min Scan# 1964

Delta R.T. -0.000 min

Lab File: BP013878.D

Acq: 23 Feb 2023 13:57

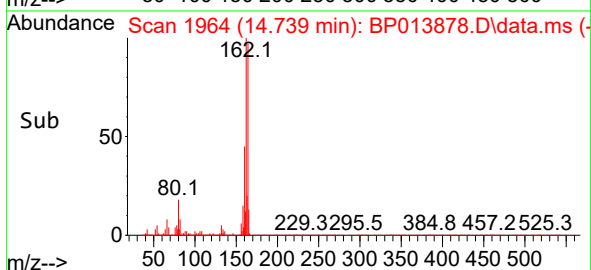
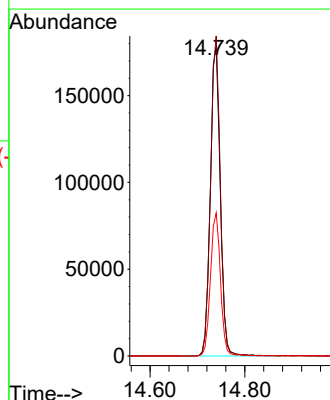
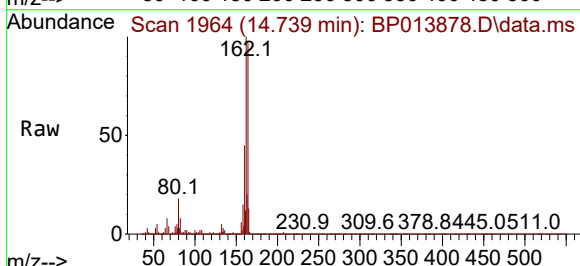
Tgt Ion:164 Resp: 260029

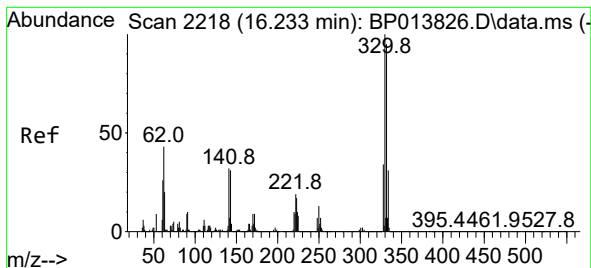
Ion Ratio Lower Upper

164 100

162 103.5 81.7 122.5

160 46.2 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 155.405 ng

RT: 16.228 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP013878.D

Acq: 23 Feb 2023 13:57

Instrument :

BNA_P

ClientSampleId :

PB151032BL

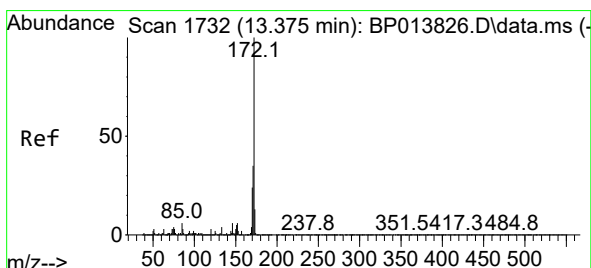
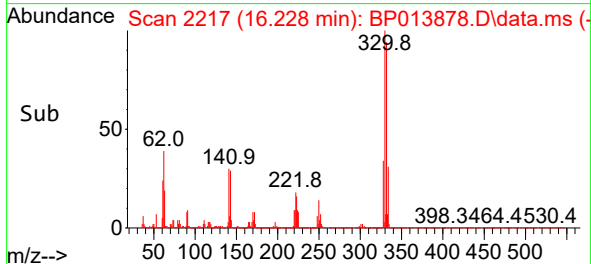
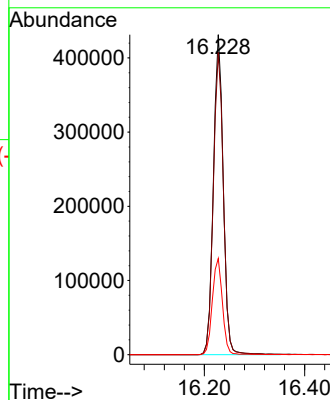
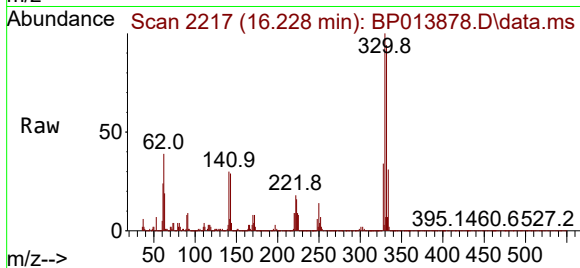
Tgt Ion:330 Resp: 588234

Ion Ratio Lower Upper

330 100

332 96.3 76.7 115.1

141 30.7 25.1 37.7



#45

2-Fluorobiphenyl

Concen: 100.758 ng

RT: 13.363 min Scan# 1730

Delta R.T. -0.000 min

Lab File: BP013878.D

Acq: 23 Feb 2023 13:57

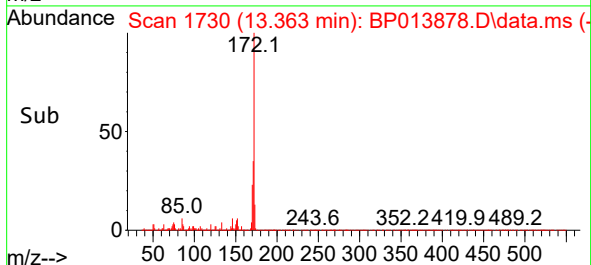
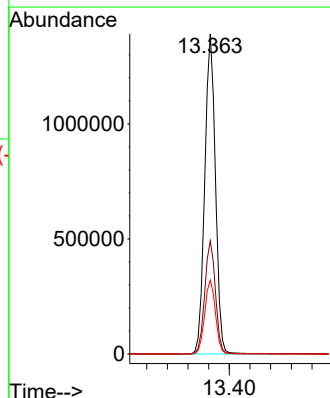
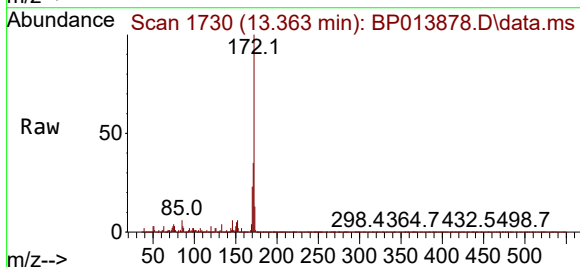
Tgt Ion:172 Resp: 1994723

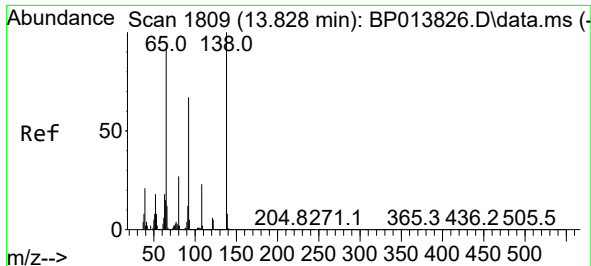
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.1 19.0 28.4

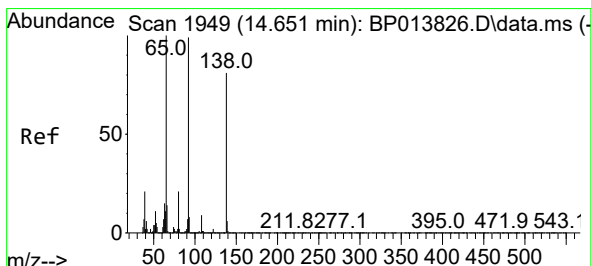
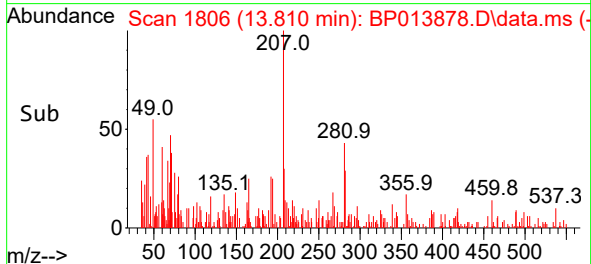
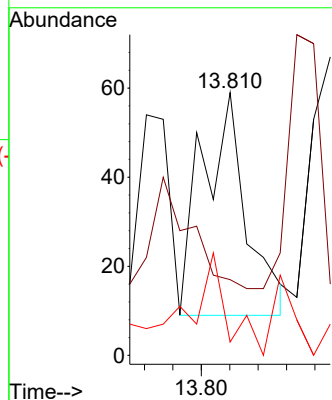
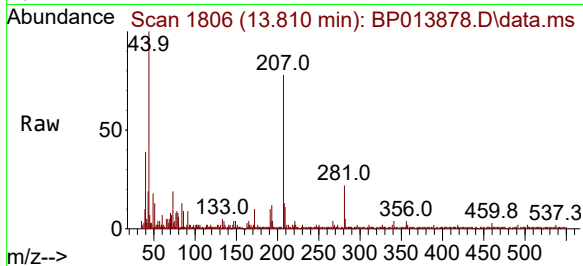




#48
2-Nitroaniline
Concen: 3.241 ng
RT: 13.810 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

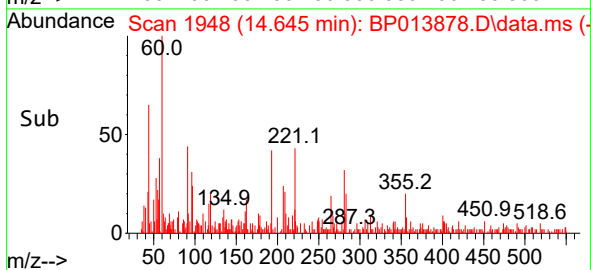
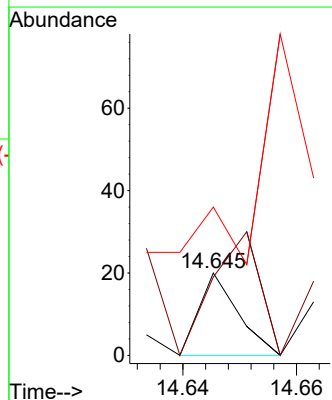
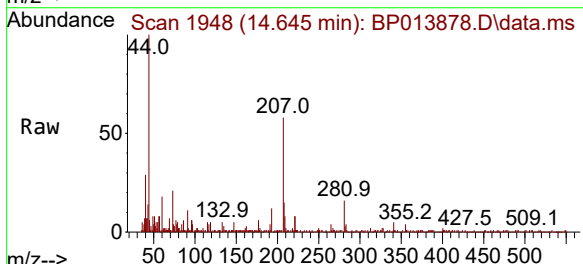
Instrument :
BNA_P
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PB151032BL

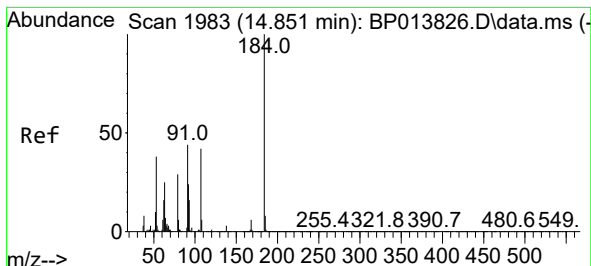
Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 28.8 58.7 88.1#
138 5.1 87.3 130.9#



#53
3-Nitroaniline
Concen: 2.010 ng
RT: 14.645 min Scan# 1948
Delta R.T. 0.006 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

Tgt Ion: 138 Resp: 10
Ion Ratio Lower Upper
138 100
108 95.0 9.0 13.4#
92 180.0 97.1 145.7#





#54

2,4-Dinitrophenol

Concen: 5.267 ng

RT: 14.839 min Scan# 1983

Delta R.T. -0.006 min

Lab File: BP013878.D

Acq: 23 Feb 2023 13:57

Instrument :

BNA_P

ClientSampleId :

PB151032BL

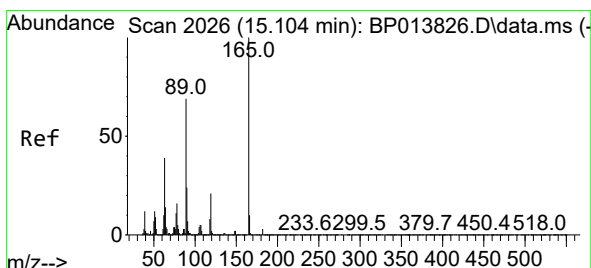
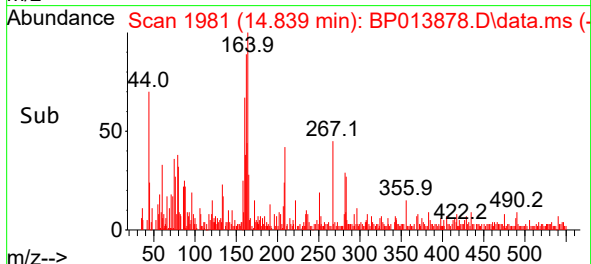
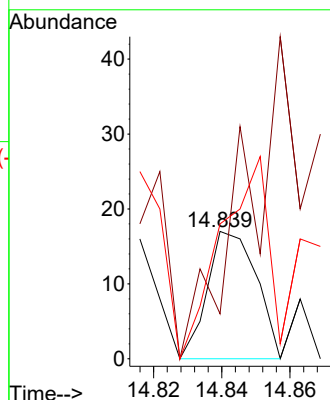
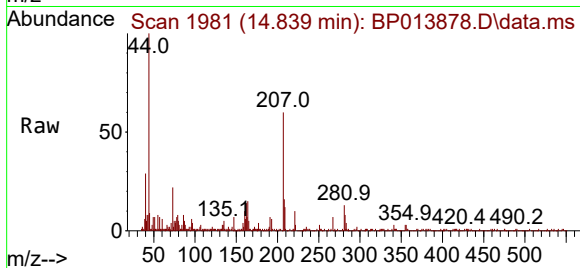
Tgt Ion:184 Resp: 17

Ion Ratio Lower Upper

184 100

63 27.3 47.0 70.4#

154 81.8 51.5 77.3#



#57

2,4-Dinitrotoluene

Concen: 2.283 ng

RT: 15.075 min Scan# 2021

Delta R.T. -0.024 min

Lab File: BP013878.D

Acq: 23 Feb 2023 13:57

Tgt Ion:165 Resp: 13

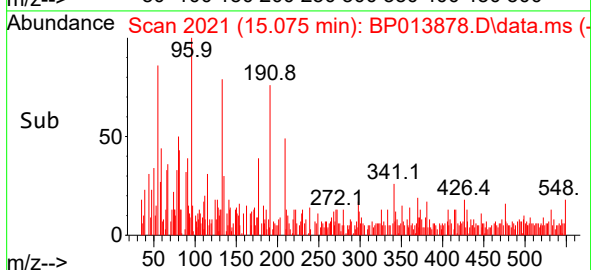
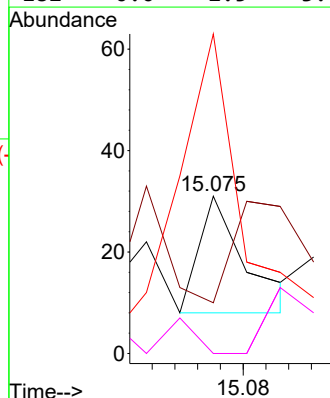
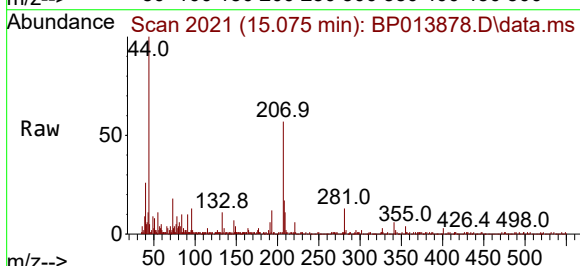
Ion Ratio Lower Upper

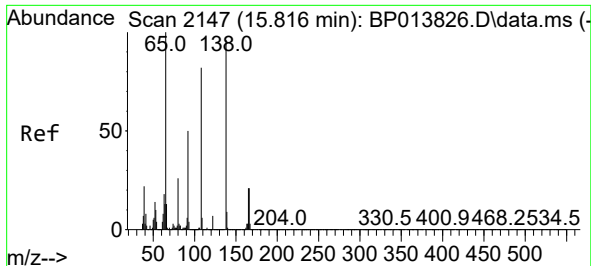
165 100

63 32.3 31.1 46.7

89 261.3 54.9 82.3#

182 0.0 2.5 3.7#

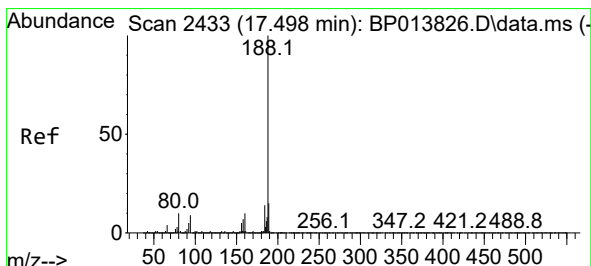
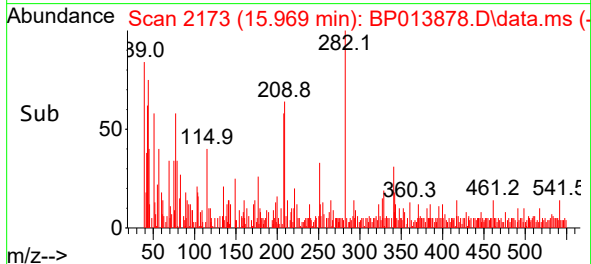
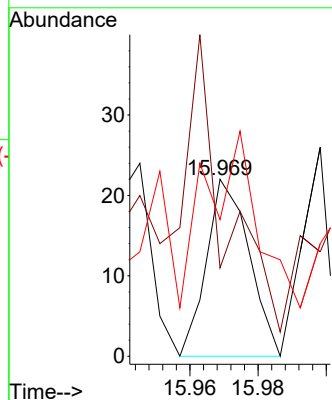
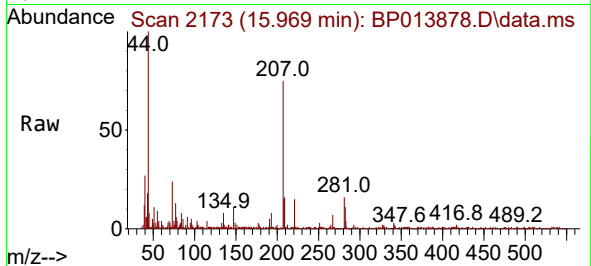




#62
4-Nitroaniline
Concen: 2.551 ng
RT: 15.969 min Scan# 2147
Delta R.T. 0.165 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

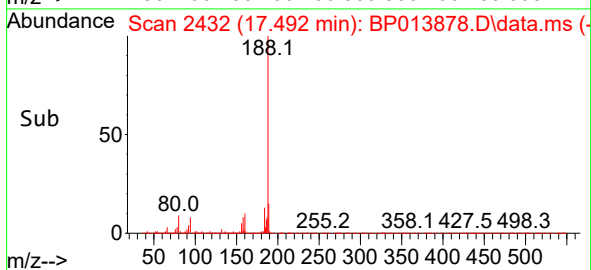
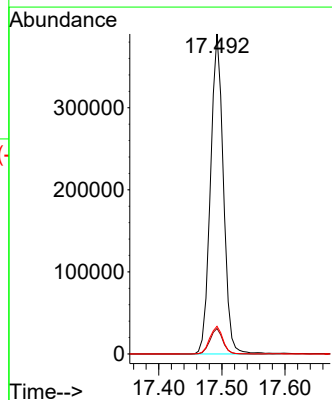
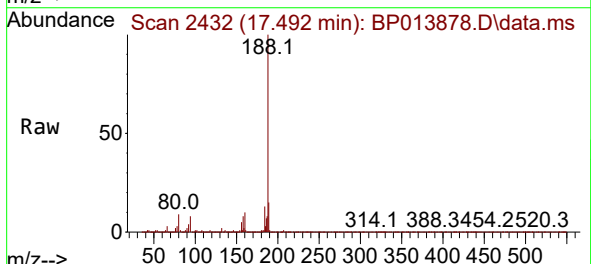
Instrument :
BNA_P
ClientSampleId :
PB151032BL

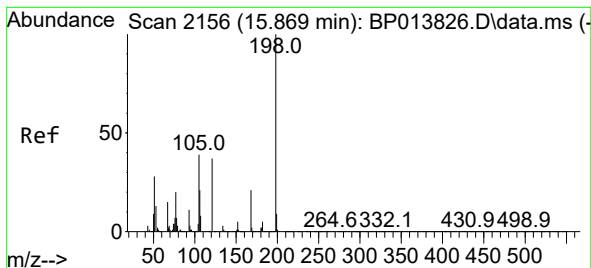
Tgt Ion:138 Resp: 19
Ion Ratio Lower Upper
138 100
92 50.0 32.0 72.0
108 77.3 65.6 105.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.492 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

Tgt Ion:188 Resp: 554396
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.6
80 8.6 7.8 11.8

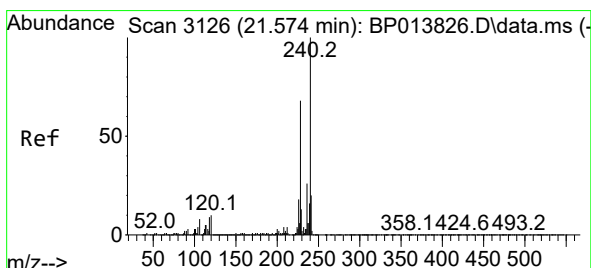
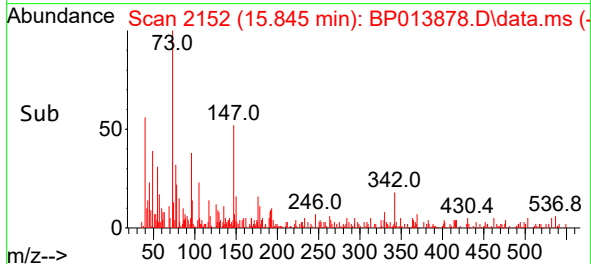
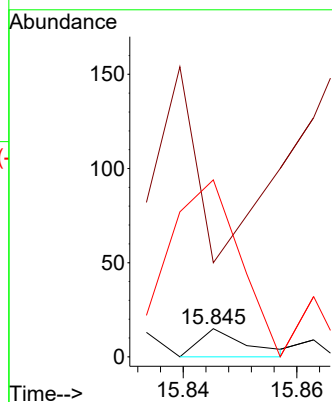
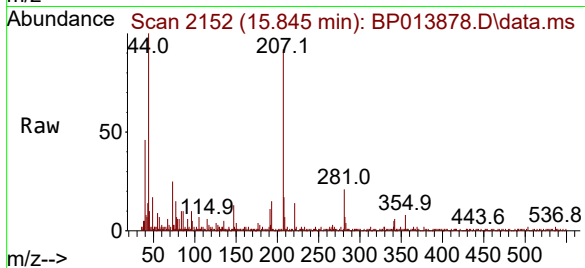




#65
4,6-Dinitro-2-methylphenol
Concen: 4.626 ng
RT: 15.845 min Scan# 2156
Delta R.T. -0.012 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

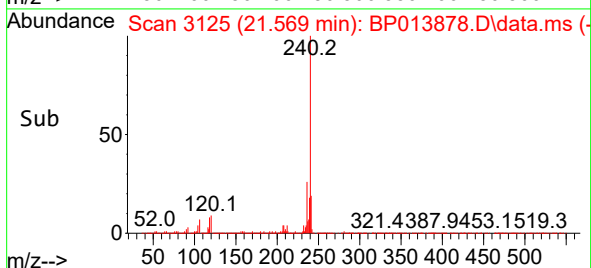
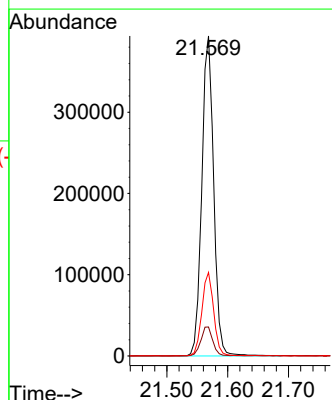
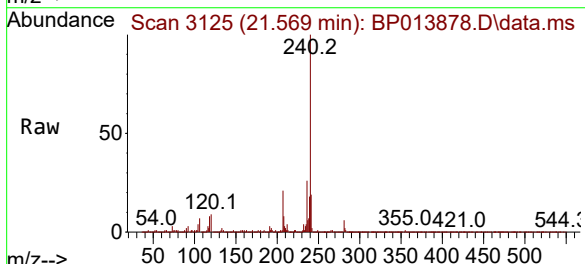
Instrument :
BNA_P
ClientSampleId :
PB151032BL

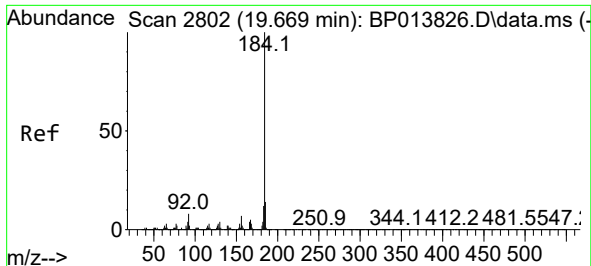
Tgt Ion:198 Resp: 9
Ion Ratio Lower Upper
198 100
51 333.3 14.3 54.3#
105 626.7 20.5 60.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.569 min Scan# 3125
Delta R.T. -0.000 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

Tgt Ion:240 Resp: 533605
Ion Ratio Lower Upper
240 100
120 9.0 7.9 11.9
236 26.1 20.9 31.3

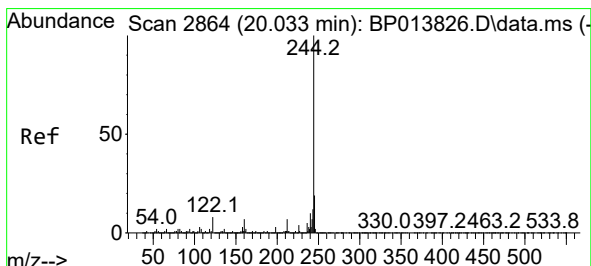
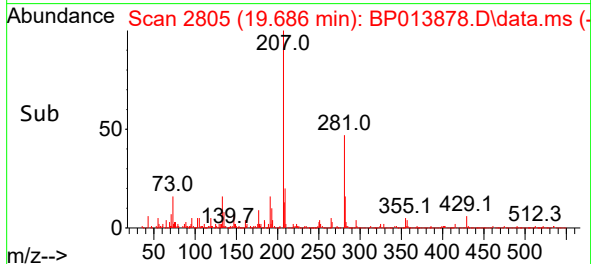
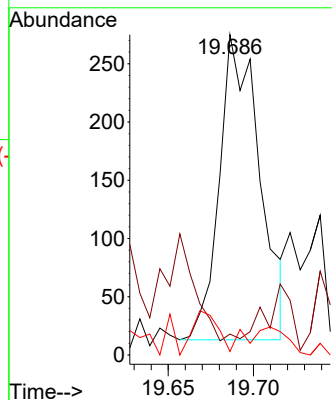
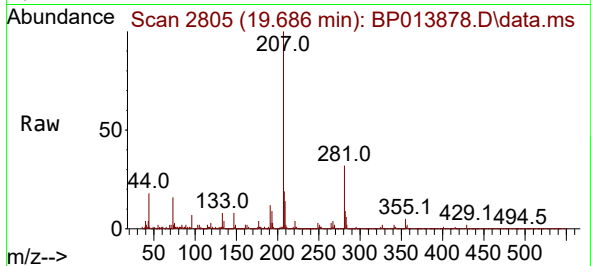




#77
Benzidine
Concen: 2.320 ng
RT: 19.686 min Scan# 2805
Delta R.T. 0.023 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

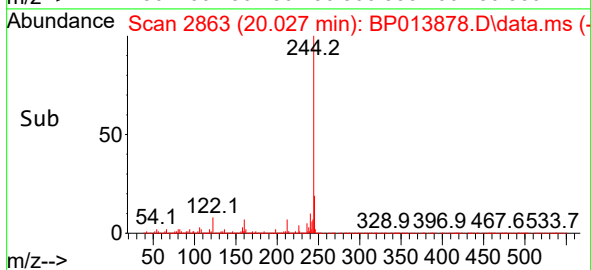
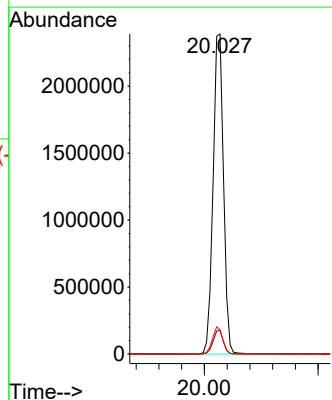
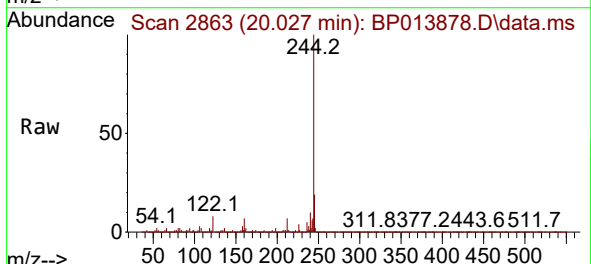
Instrument :
BNA_P
ClientSampleId :
PB151032BL

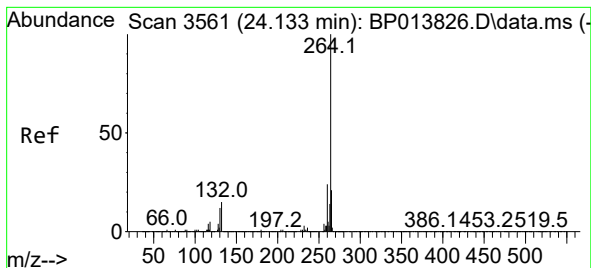
Tgt Ion:184 Resp: 430
Ion Ratio Lower Upper
184 100
185 6.5 11.4 17.0#
183 1.1 9.6 14.4#



#79
Terphenyl-d14
Concen: 108.950 ng
RT: 20.027 min Scan# 2863
Delta R.T. -0.000 min
Lab File: BP013878.D
Acq: 23 Feb 2023 13:57

Tgt Ion:244 Resp: 3021652
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 7.6 6.7 10.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.115 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP013878.D

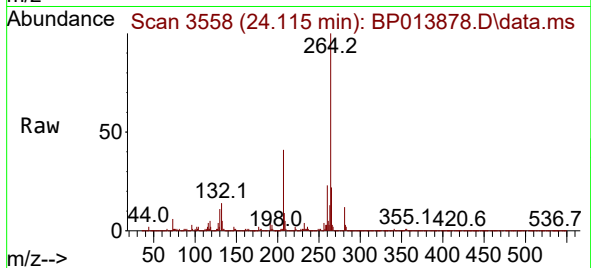
Acq: 23 Feb 2023 13:57

Instrument :

BNA_P

ClientSampleId :

PB151032BL



Tgt Ion:264 Resp: 596308

Ion Ratio Lower Upper

264 100

260 23.0 19.4 29.0

265 22.4 17.6 26.4

