

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
 Data File : BP013849.D
 Acq On : 17 Feb 2023 17:23
 Operator : CG/JU
 Sample : 01581-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-C

Quant Time: Feb 17 22:05:18 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)

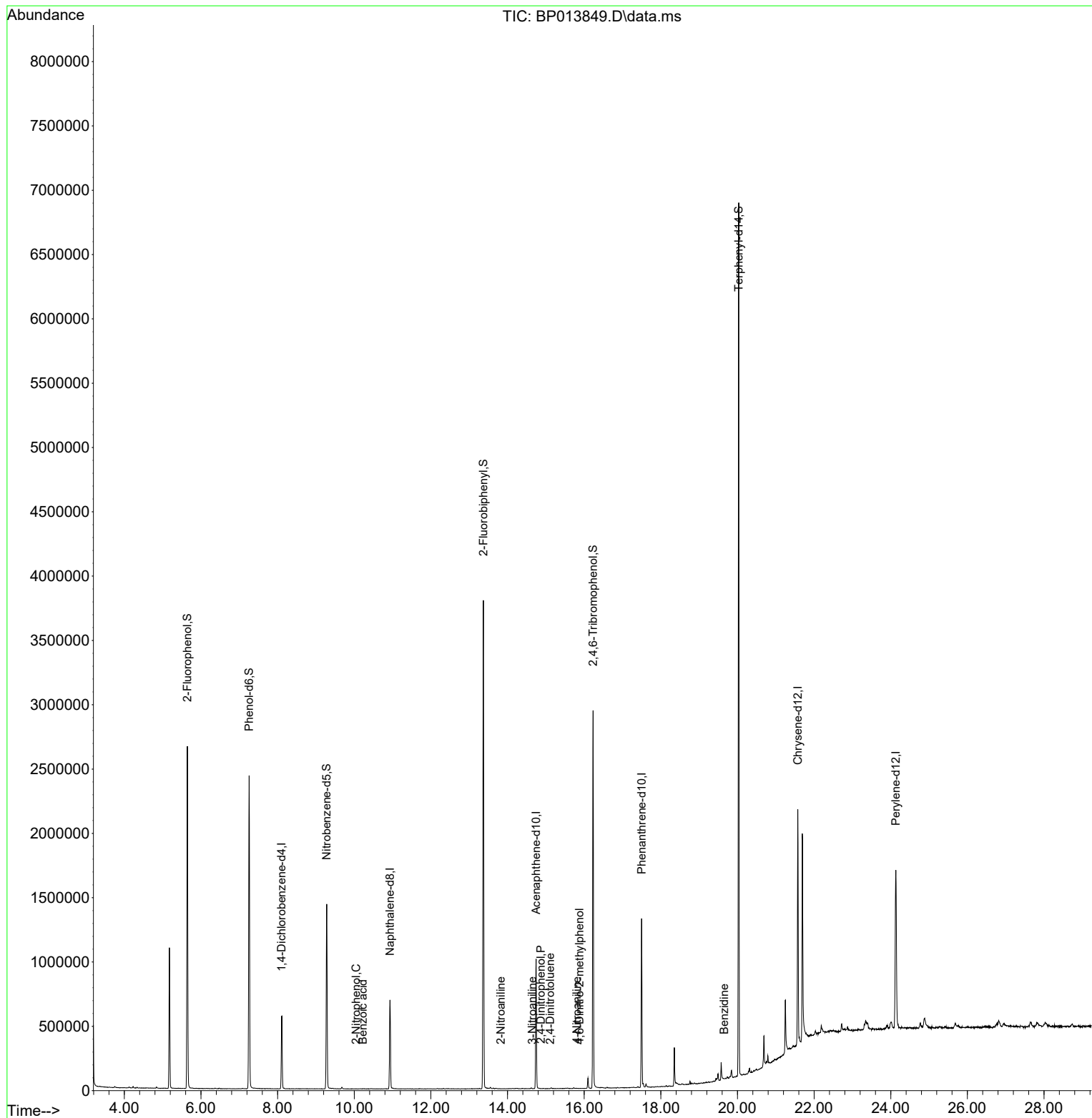
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	159484	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	578975	20.000	ng	0.00
39) Acenaphthene-d10	14.746	164	338046	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	760292	20.000	ng	0.00
76) Chrysene-d12	21.575	240	869217	20.000	ng	0.00
86) Perylene-d12	24.133	264	1034804	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	1138605	117.663	ng	0.00
7) Phenol-d6	7.258	99	1417594	114.384	ng	0.00
23) Nitrobenzene-d5	9.281	82	853318	79.587	ng	0.00
42) 2,4,6-Tribromophenol	16.234	330	570176	115.870	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1931171	75.035	ng	0.00
79) Terphenyl-d14	20.033	244	3222630	71.332	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	10.052	139	27	2.773	ng	# 68
32) Benzoic acid	10.222	122	131	5.092	ng	# 69
48) 2-Nitroaniline	13.822	65	68	3.241	ng	# 26
53) 3-Nitroaniline	14.646	138	16	2.010	ng	# 26
54) 2,4-Dinitrophenol	14.869	184	18	5.266	ng	# 1
57) 2,4-Dinitrotoluene	15.110	165	10	2.282	ng	# 51
62) 4-Nitroaniline	15.810	138	14	2.549	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.875	198	18	4.627	ng	# 1
77) Benzidine	19.657	184	55	2.286	ng	# 1

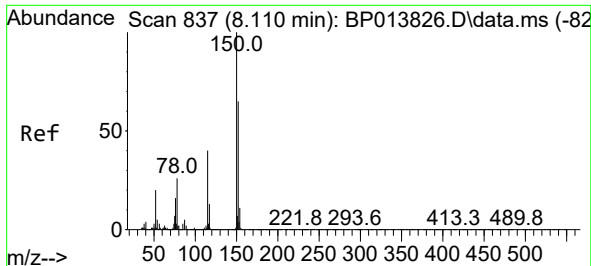
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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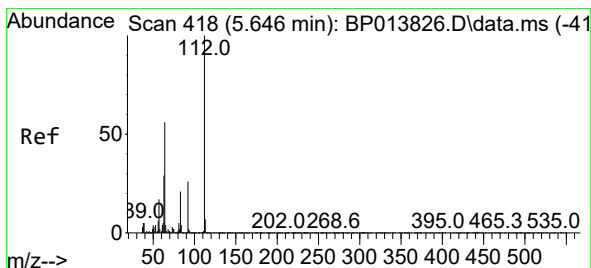
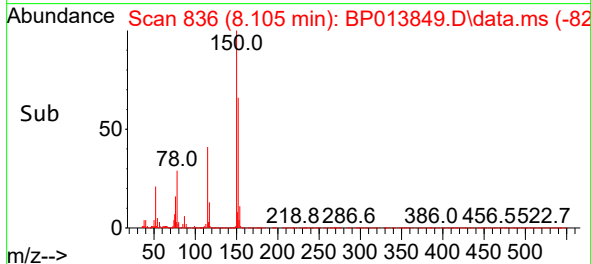
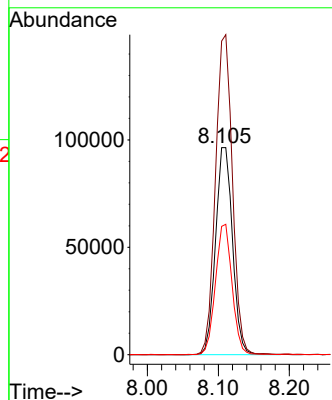
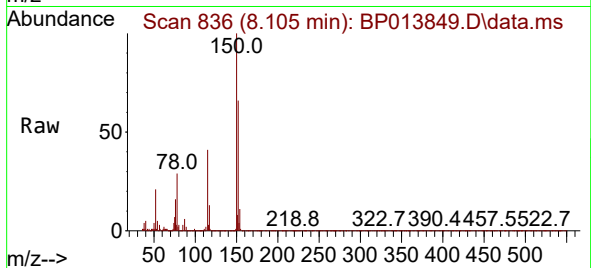




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.105 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

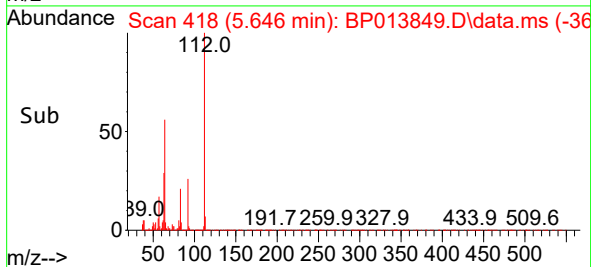
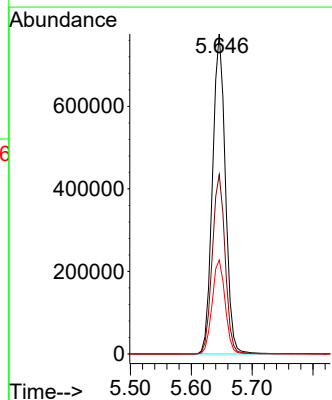
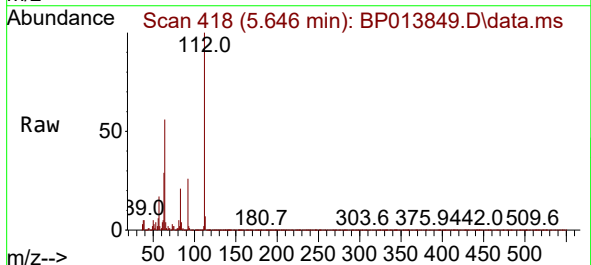
Instrument :
BNA_P
ClientSampleId :
MH-C

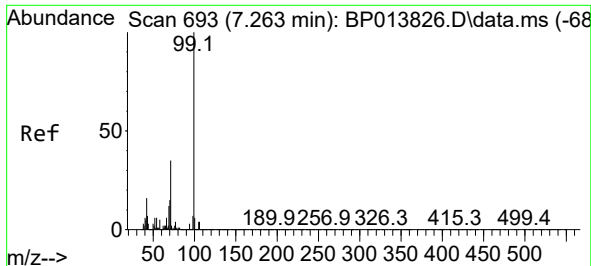
Tgt Ion:152 Resp: 159484
Ion Ratio Lower Upper
152 100
150 151.4 122.8 184.2
115 62.0 49.0 73.6



#5
2-Fluorophenol
Concen: 117.663 ng
RT: 5.646 min Scan# 418
Delta R.T. 0.000 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

Tgt Ion:112 Resp: 1138605
Ion Ratio Lower Upper
112 100
64 56.0 44.6 66.8
63 29.3 23.6 35.4

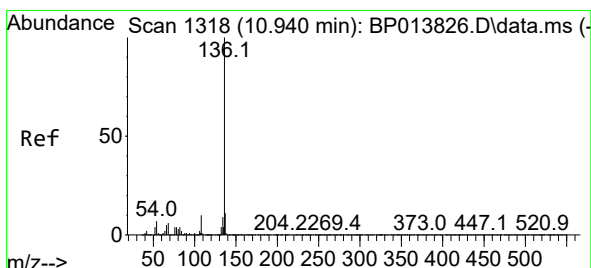
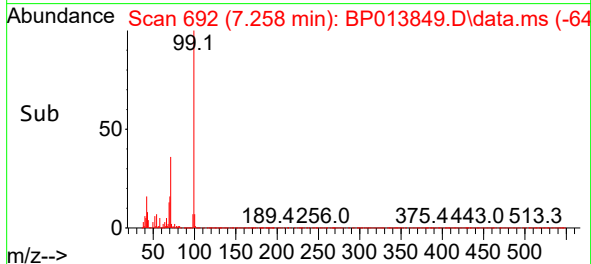
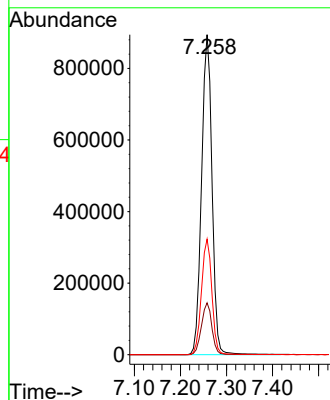
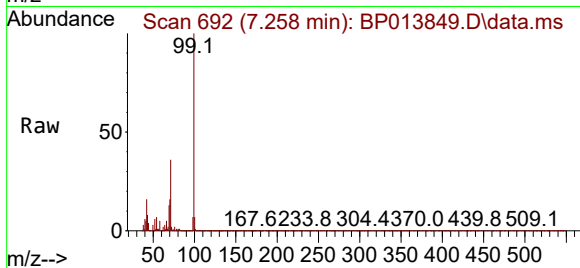




#7
Phenol-d6
Concen: 114.384 ng
RT: 7.258 min Scan# 692
Delta R.T. -0.006 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

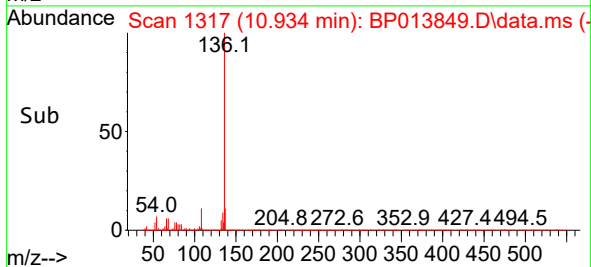
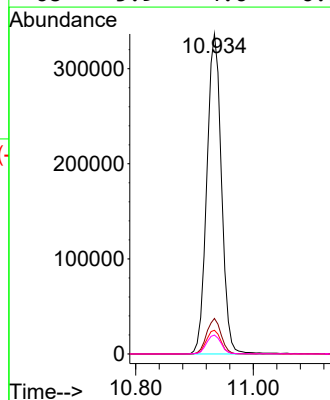
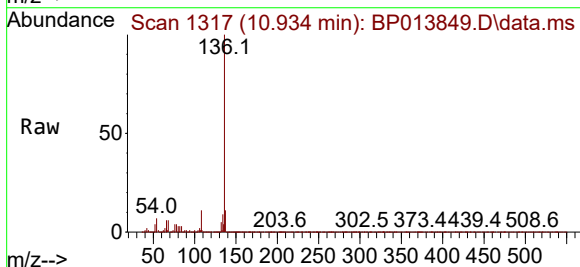
Instrument :
BNA_P
ClientSampleId :
MH-C

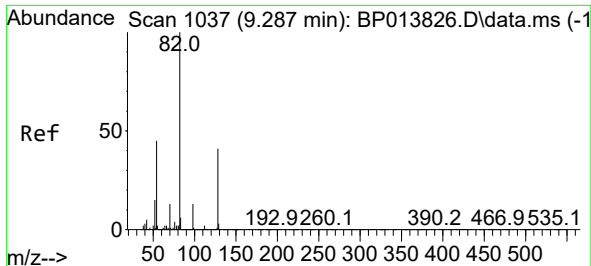
Tgt Ion: 99 Resp: 1417594
Ion Ratio Lower Upper
99 100
42 16.2 12.5 18.7
71 36.1 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

Tgt Ion: 136 Resp: 578975
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 7.4 5.8 8.6
68 5.9 4.6 6.8

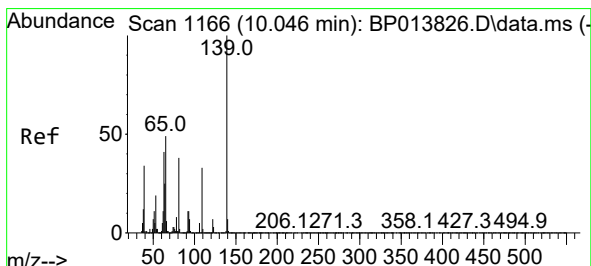
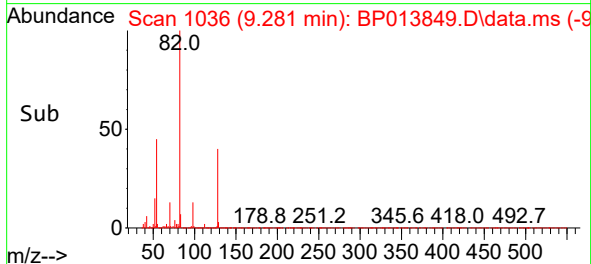
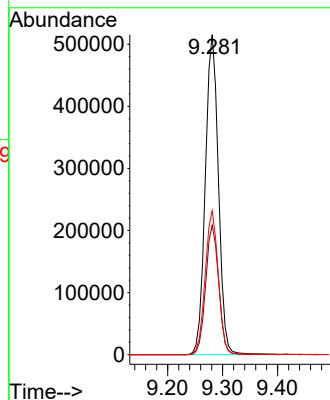
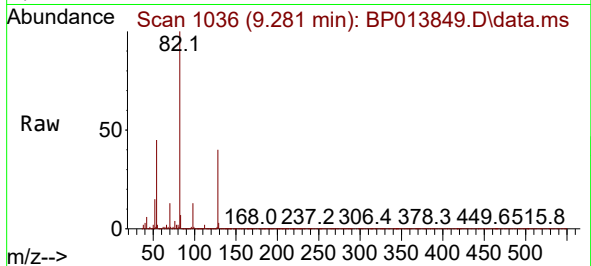




#23
Nitrobenzene-d5
Concen: 79.587 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

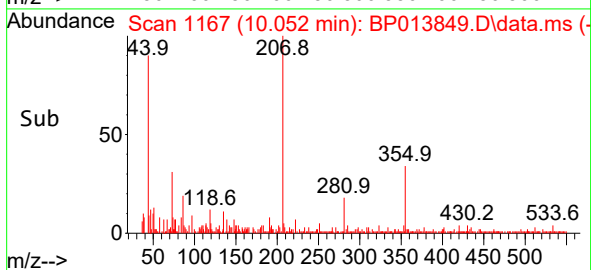
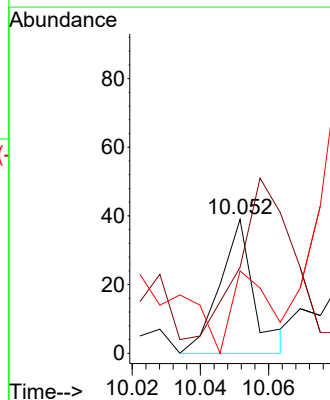
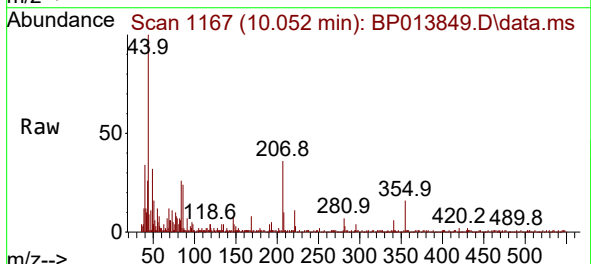
Instrument :
BNA_P
ClientSampleId :
MH-C

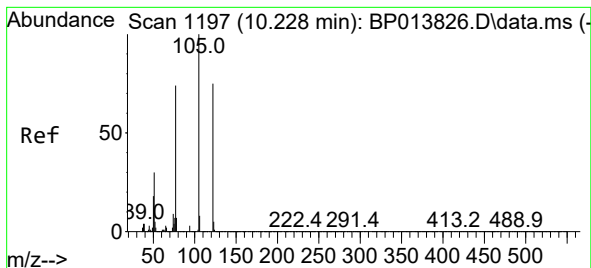
Tgt Ion: 82 Resp: 853318
Ion Ratio Lower Upper
82 100
128 40.5 32.9 49.3
54 45.0 35.6 53.4



#26
2-Nitrophenol
Concen: 2.773 ng
RT: 10.052 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

Tgt Ion:139 Resp: 27
Ion Ratio Lower Upper
139 100
109 64.1 26.7 40.1#
65 61.5 39.4 59.2#





#32

Benzoic acid

Concen: 5.092 ng

RT: 10.222 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BP013849.D

Acq: 17 Feb 2023 17:23

Instrument :

BNA_P

ClientSampleId :

MH-C

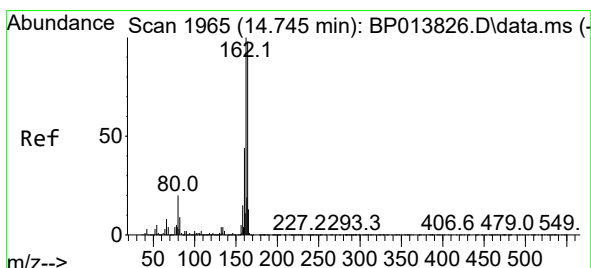
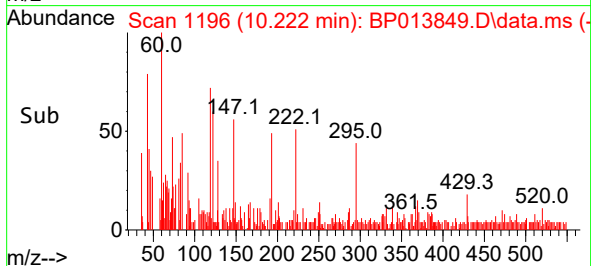
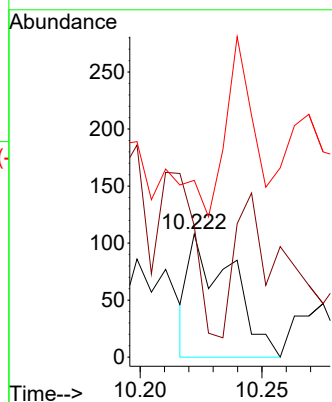
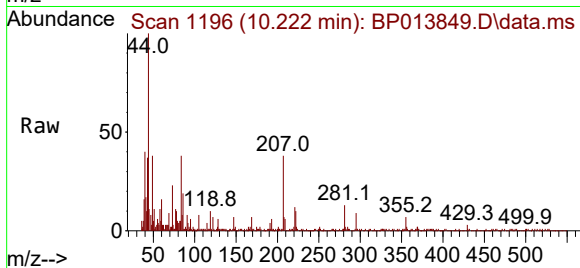
Tgt Ion:122 Resp: 131

Ion Ratio Lower Upper

122 100

105 106.5 107.4 147.4#

77 143.5 76.0 116.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.746 min Scan# 1965

Delta R.T. 0.000 min

Lab File: BP013849.D

Acq: 17 Feb 2023 17:23

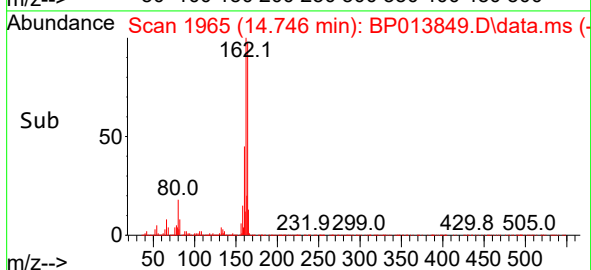
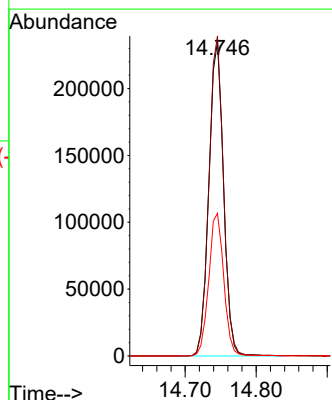
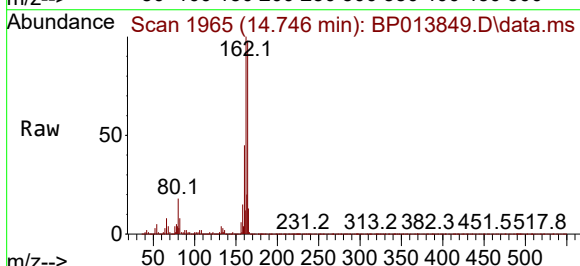
Tgt Ion:164 Resp: 338046

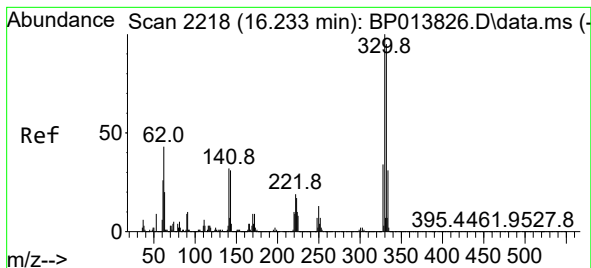
Ion Ratio Lower Upper

164 100

162 101.8 81.7 122.5

160 45.4 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 115.870 ng

RT: 16.234 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013849.D

Acq: 17 Feb 2023 17:23

Instrument :

BNA_P

ClientSampleId :

MH-C

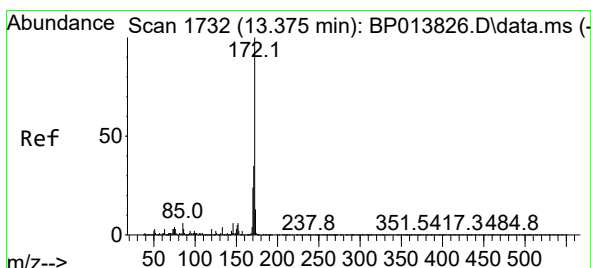
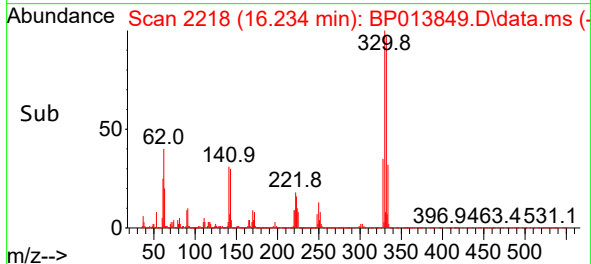
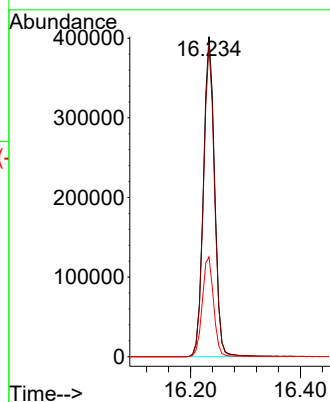
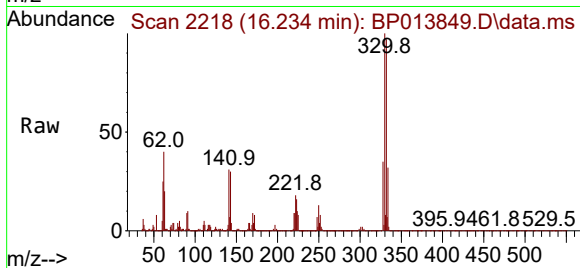
Tgt Ion:330 Resp: 570176

Ion Ratio Lower Upper

330 100

332 96.3 76.7 115.1

141 31.6 25.1 37.7



#45

2-Fluorobiphenyl

Concen: 75.035 ng

RT: 13.369 min Scan# 1731

Delta R.T. -0.006 min

Lab File: BP013849.D

Acq: 17 Feb 2023 17:23

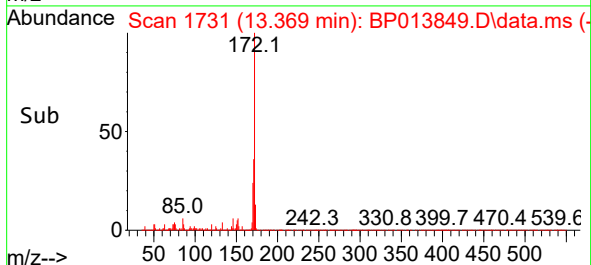
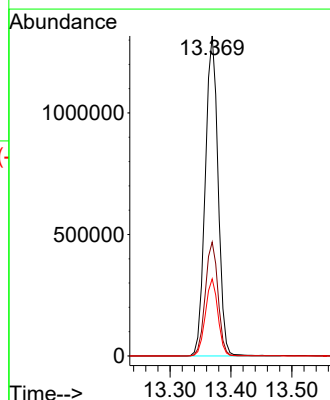
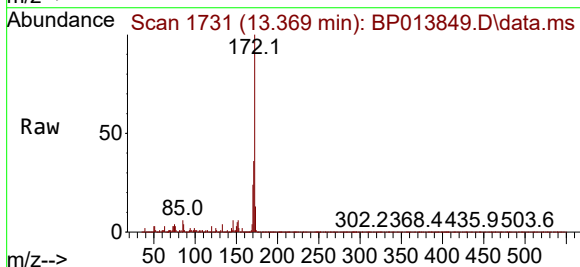
Tgt Ion:172 Resp: 1931171

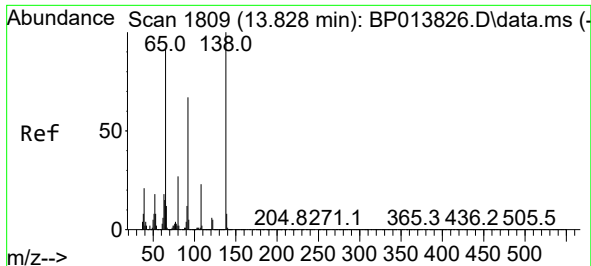
Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

170 24.1 19.0 28.4

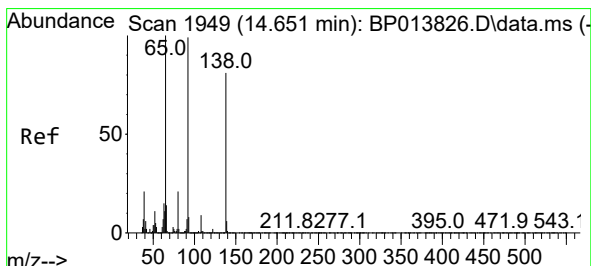
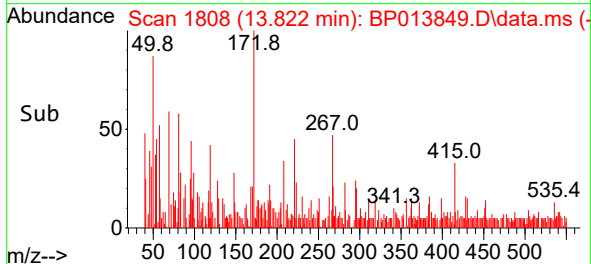
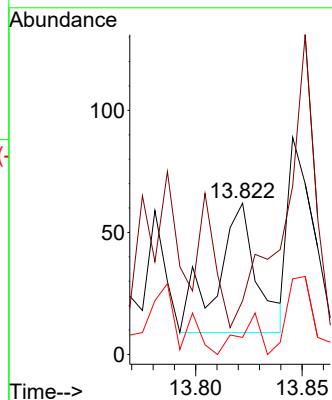
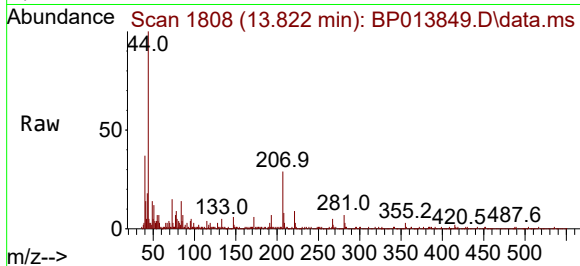




#48
2-Nitroaniline
Concen: 3.241 ng
RT: 13.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

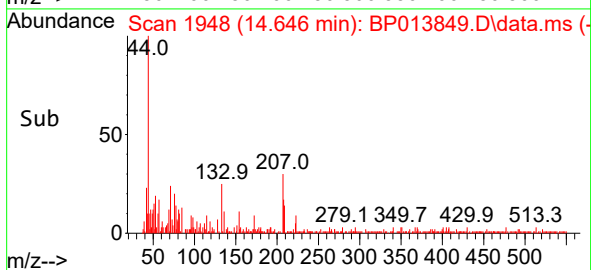
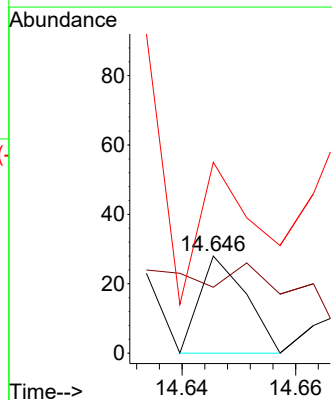
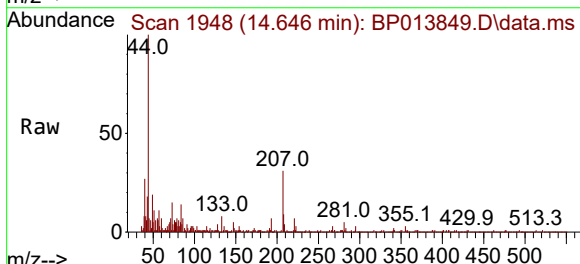
Instrument :
BNA_P
ClientSampleId :
MH-C

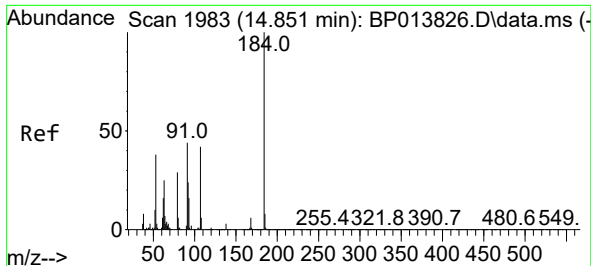
Tgt Ion: 65 Resp: 68
Ion Ratio Lower Upper
65 100
92 35.5 58.7 88.1#
138 11.3 87.3 130.9#



#53
3-Nitroaniline
Concen: 2.010 ng
RT: 14.646 min Scan# 1948
Delta R.T. -0.005 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

Tgt Ion: 138 Resp: 16
Ion Ratio Lower Upper
138 100
108 67.9 9.0 13.4#
92 196.4 97.1 145.7#

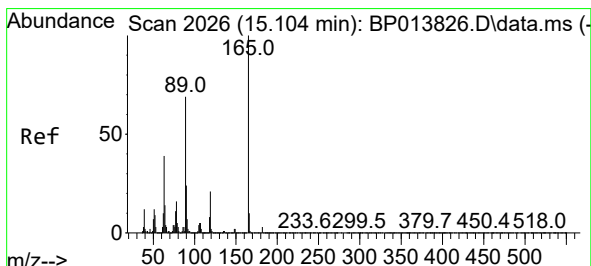
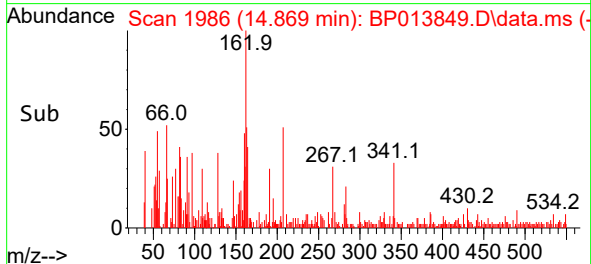
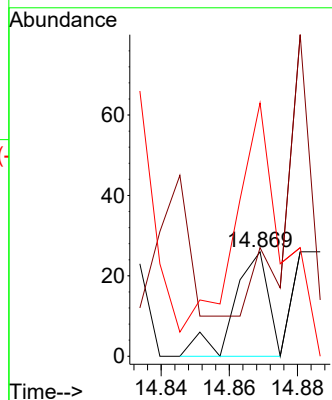
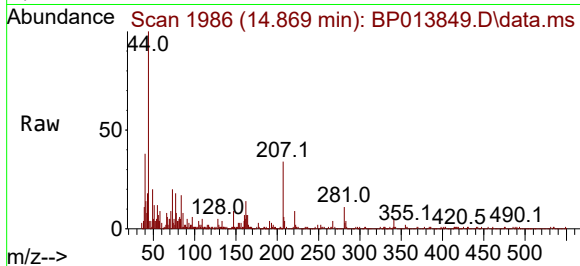




#54
2,4-Dinitrophenol
Concen: 5.266 ng
RT: 14.869 min Scan# 1986
Delta R.T. 0.018 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

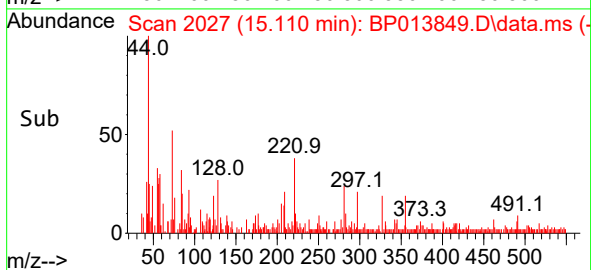
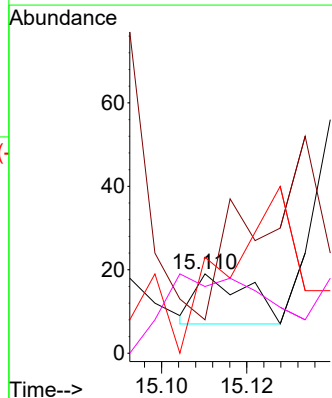
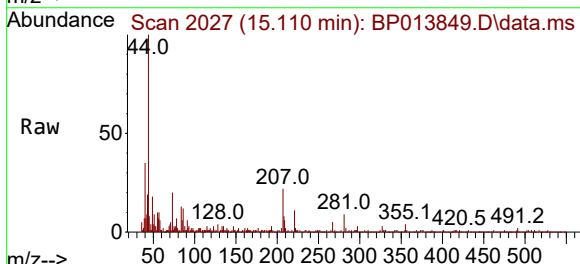
Instrument :
BNA_P
ClientSampleId :
MH-C

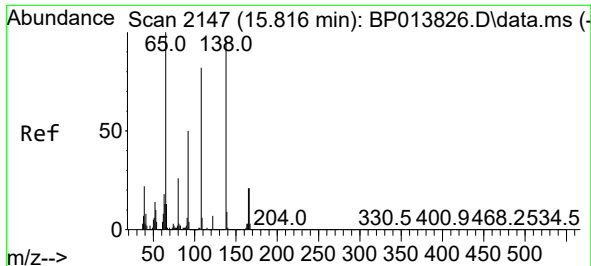
Tgt Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 103.8 47.0 70.4#
154 242.3 51.5 77.3#



#57
2,4-Dinitrotoluene
Concen: 2.282 ng
RT: 15.110 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

Tgt Ion:165 Resp: 10
Ion Ratio Lower Upper
165 100
63 42.1 31.1 46.7
89 121.1 54.9 82.3#
182 84.2 2.5 3.7#

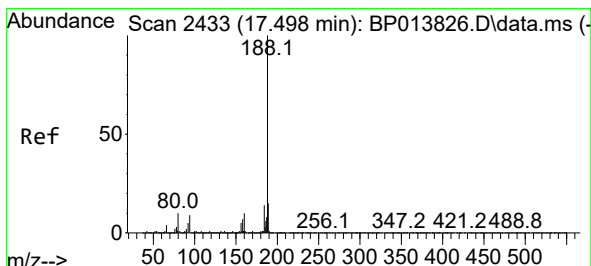
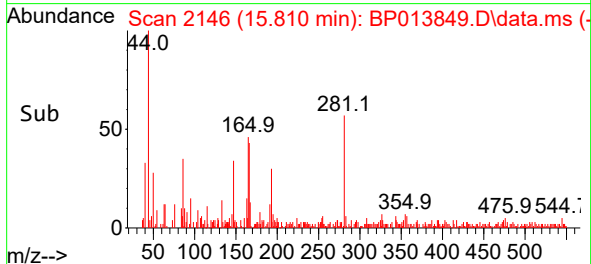
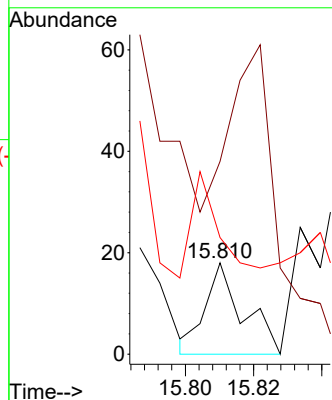
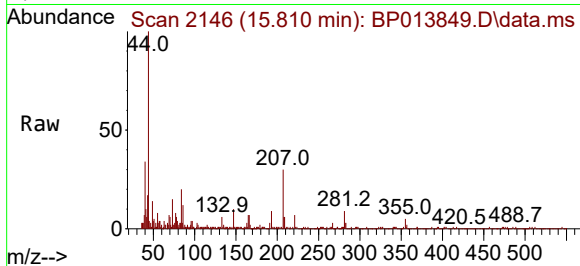




#62
4-Nitroaniline
Concen: 2.549 ng
RT: 15.810 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

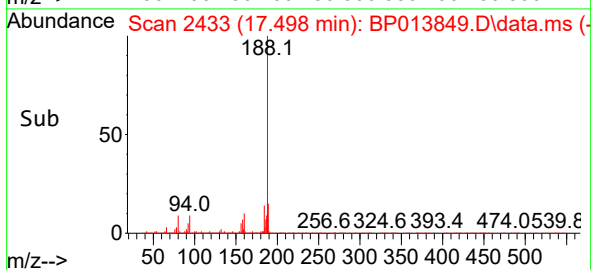
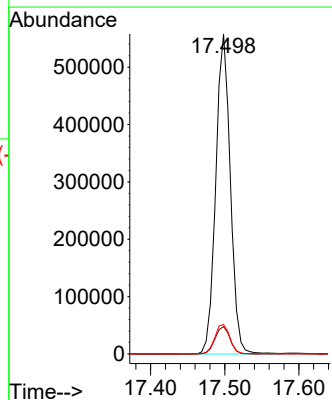
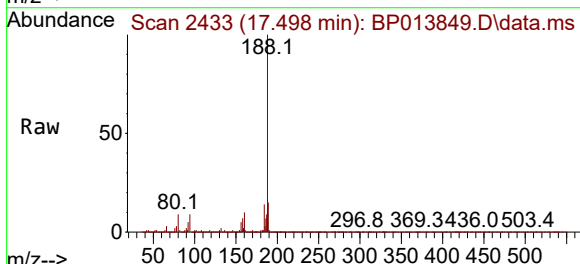
Instrument :
BNA_P
ClientSampleId :
MH-C

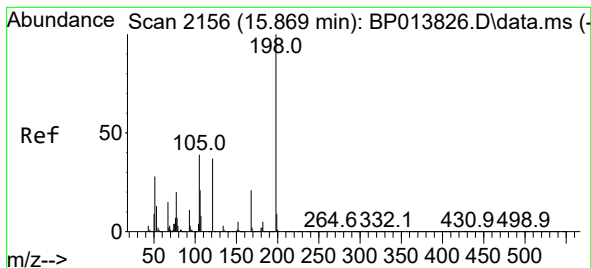
Tgt Ion:138 Resp: 14
Ion Ratio Lower Upper
138 100
92 211.1 32.0 72.0#
108 127.8 65.6 105.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

Tgt Ion:188 Resp: 760292
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 9.2 7.8 11.8

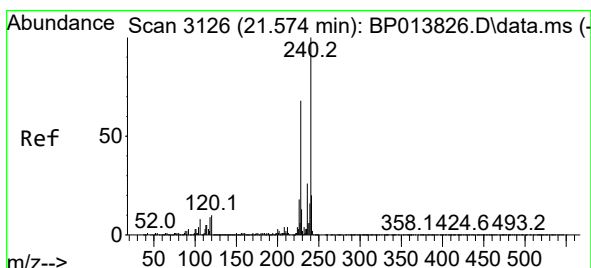
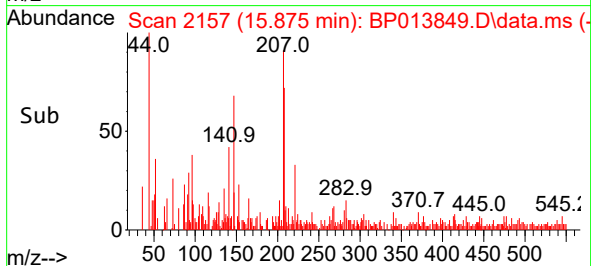
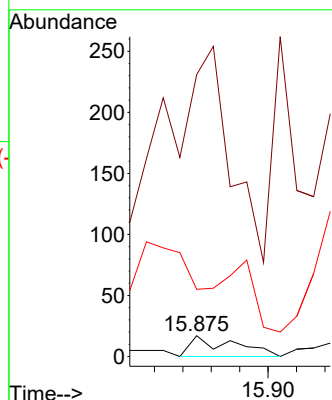
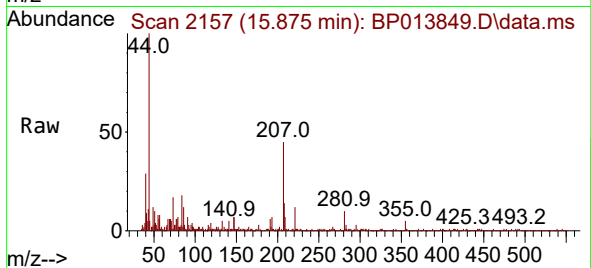




#65
4,6-Dinitro-2-methylphenol
Concen: 4.627 ng
RT: 15.875 min Scan# 2156
Delta R.T. 0.006 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

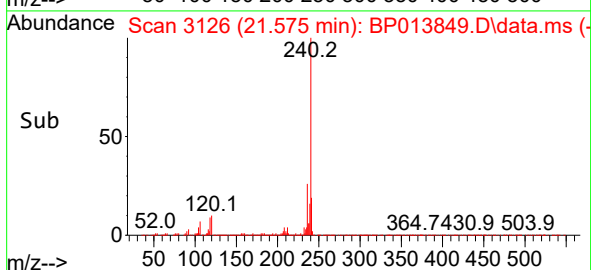
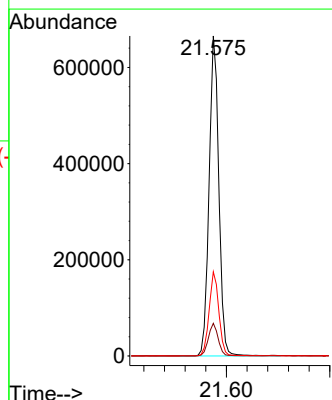
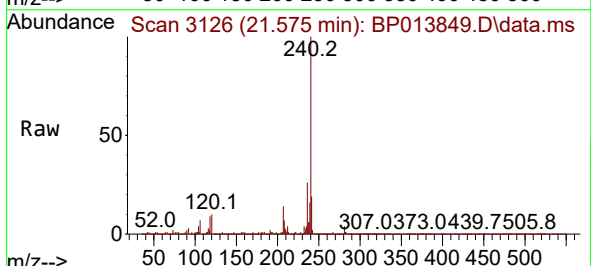
Instrument :
BNA_P
ClientSampleId :
MH-C

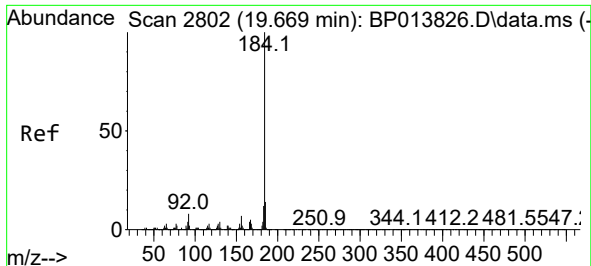
Tgt Ion:198 Resp: 18
Ion Ratio Lower Upper
198 100
51 1358.8 14.3 54.3#
105 323.5 20.5 60.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.575 min Scan# 3126
Delta R.T. 0.001 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

Tgt Ion:240 Resp: 869217
Ion Ratio Lower Upper
240 100
120 10.2 7.9 11.9
236 26.3 20.9 31.3

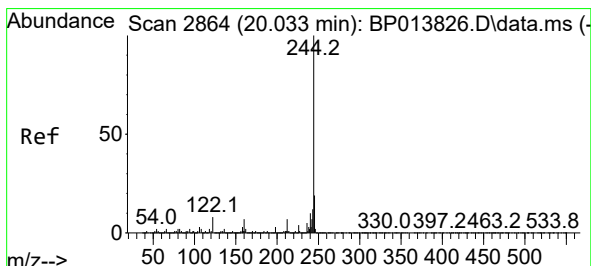
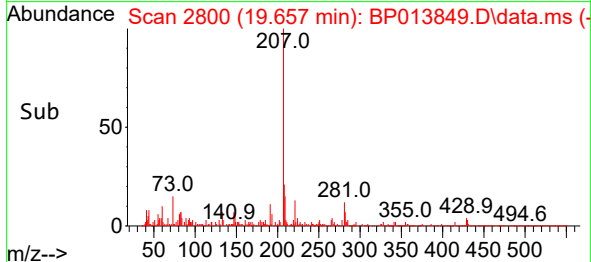
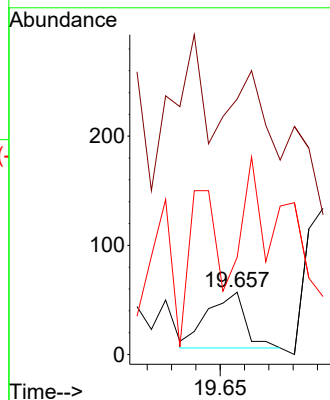
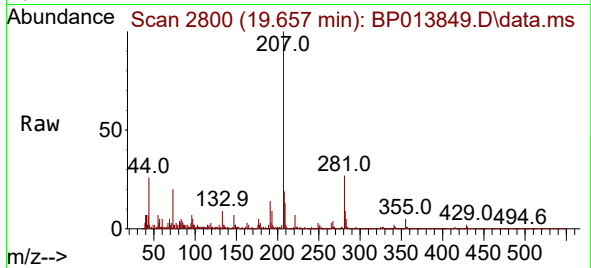




#77
Benzidine
Concen: 2.286 ng
RT: 19.657 min Scan# 2800
Delta R.T. -0.012 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

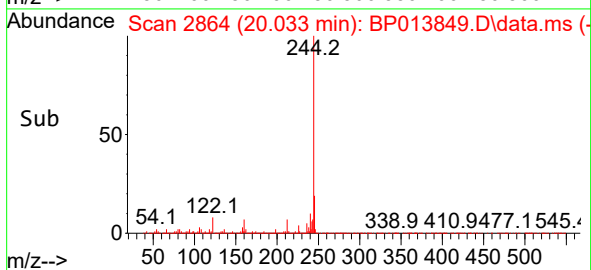
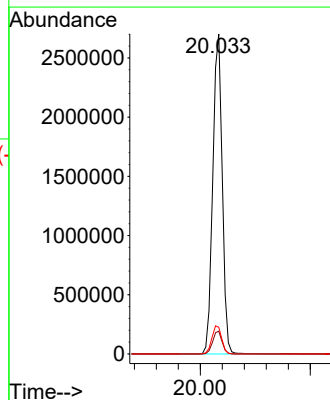
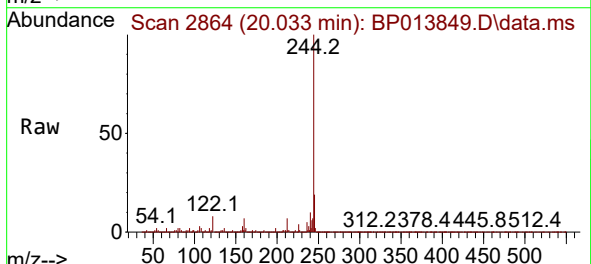
Instrument :
BNA_P
ClientSampleId :
MH-C

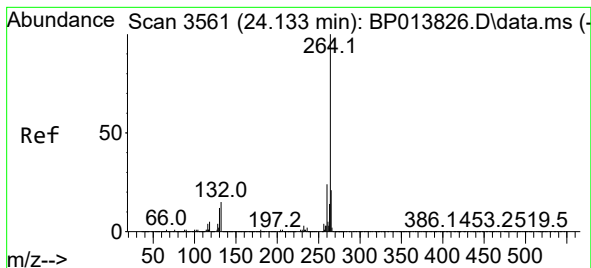
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
185 410.5 11.4 17.0#
183 164.9 9.6 14.4#



#79
Terphenyl-d14
Concen: 71.332 ng
RT: 20.033 min Scan# 2864
Delta R.T. 0.000 min
Lab File: BP013849.D
Acq: 17 Feb 2023 17:23

Tgt Ion:244 Resp: 3222630
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 8.3 6.7 10.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.133 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP013849.D

Acq: 17 Feb 2023 17:23

Instrument :

BNA_P

ClientSampleId :

MH-C

Tgt Ion:264 Resp: 1034804

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.0

265 22.5 17.6 26.4

