

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112322\
 Data File : BP012716.D
 Acq On : 23 Nov 2022 18:23
 Operator : CG/JU
 Sample : N5749-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-83.5

Quant Time: Nov 24 02:32:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 00:38:14 2022
 Response via : Initial Calibration

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

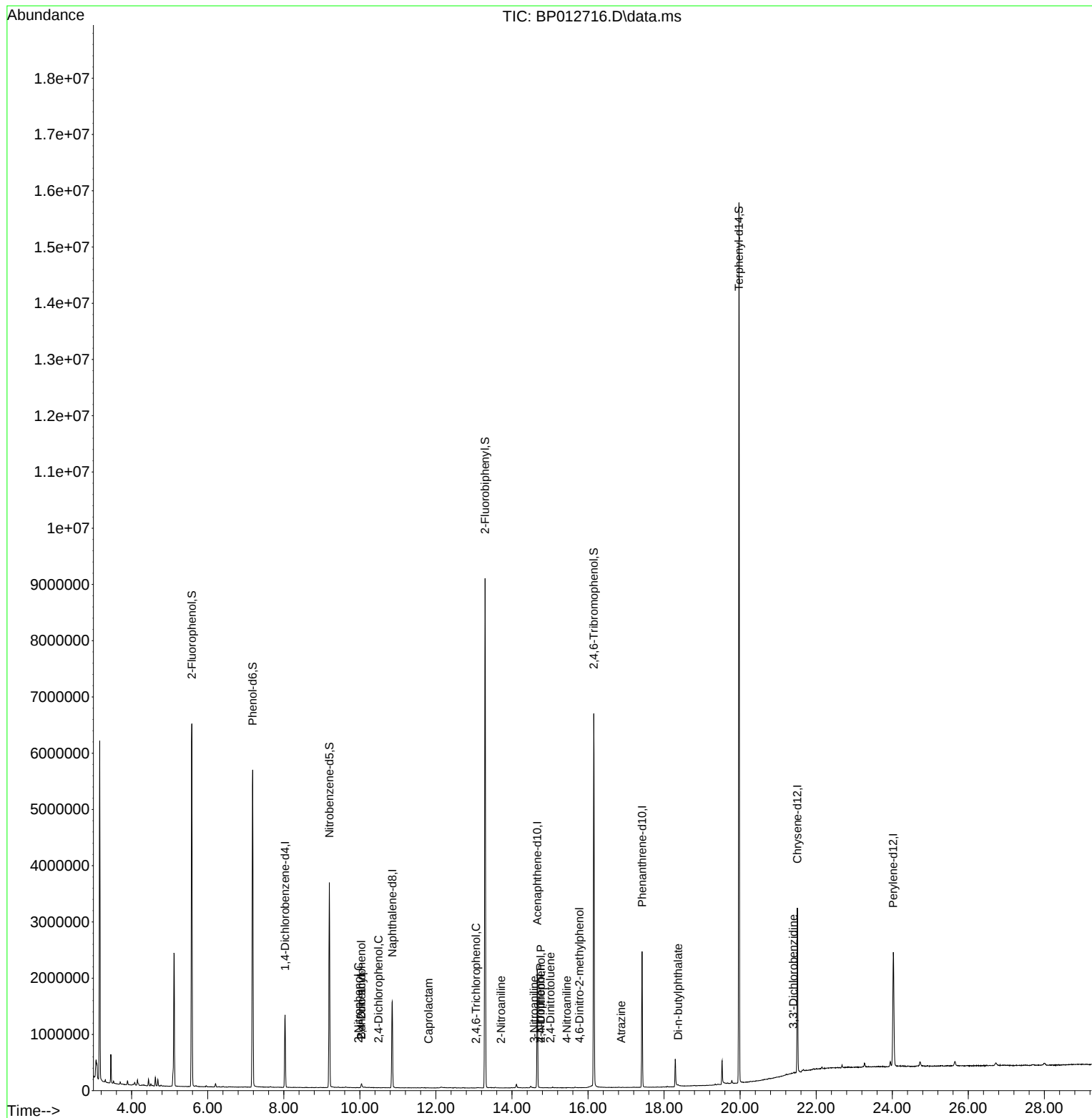
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.034	152	351977	20.000	ng	0.00
21) Naphthalene-d8	10.852	136	1313071	20.000	ng	0.00
39) Acenaphthene-d10	14.663	164	727317	20.000	ng	0.00
64) Phenanthrene-d10	17.422	188	1444857	20.000	ng	0.00
76) Chrysene-d12	21.504	240	1428997	20.000	ng	0.00
86) Perylene-d12	24.027	264	1591278	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	2874962	176.955	ng	0.00
7) Phenol-d6	7.181	99	3368384	144.566	ng	0.00
23) Nitrobenzene-d5	9.199	82	1977371	83.986	ng	0.00
42) 2,4,6-Tribromophenol	16.151	330	1266190	134.274	ng	0.00
45) 2-Fluorobiphenyl	13.293	172	4771749	93.468	ng	0.00
79) Terphenyl-d14	19.969	244	7348616	109.297	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.175	77	5707	Below Cal	#	6
26) 2-Nitrophenol	9.963	139	19	4.410 ng	#	1
27) 2,4-Dimethylphenol	10.040	122	31046	2.097 ng	#	5
29) 2,4-Dichlorophenol	10.493	162	135	2.211 ng	#	1
32) Benzoic acid	10.040	122	31046	6.730 ng		98
35) Caprolactam	11.804	113	138	2.773 ng	#	81
43) 2,4,6-Trichlorophenol	13.057	196	56	4.186 ng	#	42
48) 2-Nitroaniline	13.716	65	128	4.817 ng	#	20
53) 3-Nitroaniline	14.581	138	78	3.682 ng	#	82
54) 2,4-Dinitrophenol	14.757	184	36	3.030 ng	#	1
56) 4-Nitrophenol	14.745	139	84	5.707 ng		91
57) 2,4-Dinitrotoluene	15.010	165	53	3.556 ng	#	67
62) 4-Nitroaniline	15.445	138	97	4.614 ng		87
65) 4,6-Dinitro-2-methylph...	15.775	198	22	3.686 ng	#	1
69) Atrazine	16.869	200	48	4.030 ng		72
74) Di-n-butylphthalate	18.369	149	7313	5.787 ng	#	97
80) Butylbenzylphthalate	20.645	149	606	Below Cal		96
82) 3,3'-Dichlorobenzidine	21.398	252	81	8.620 ng	#	32
84) Bis(2-ethylhexyl)phtha...	21.416	149	5788	Below Cal	#	91
85) Di-n-octyl phthalate	22.392	149	420	Below Cal	#	1

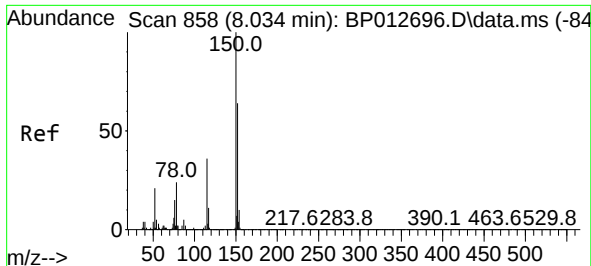
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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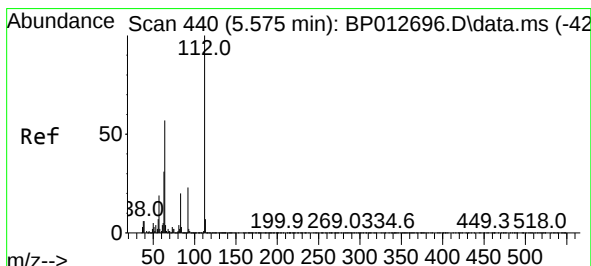
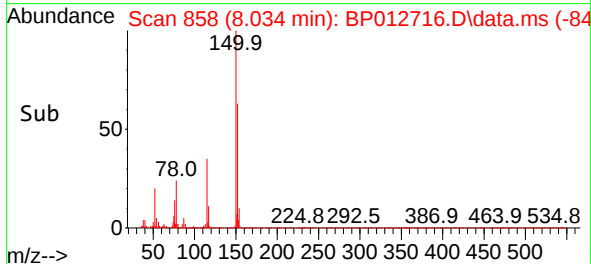
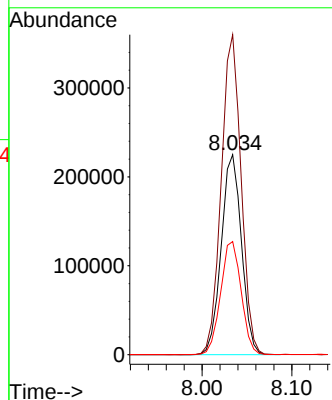
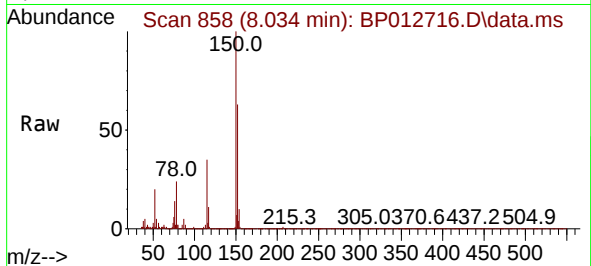




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.034 min Scan# 858
Delta R.T. 0.000 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

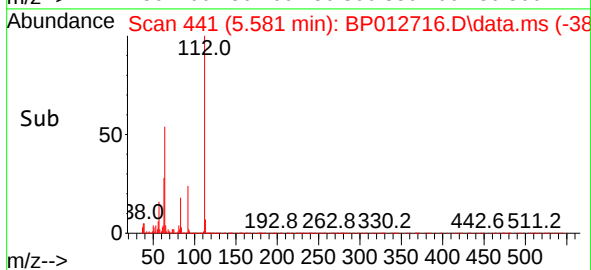
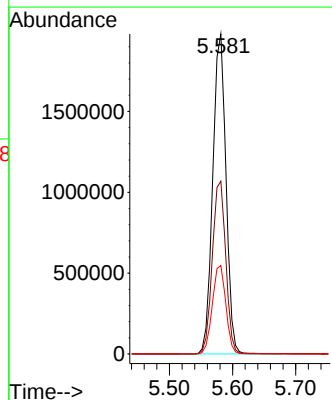
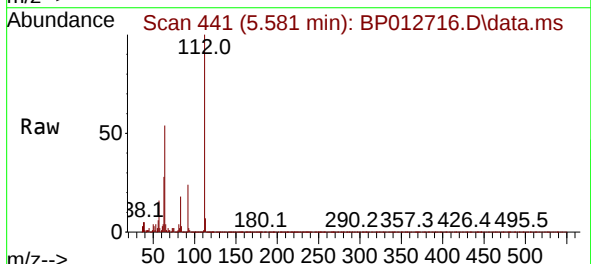
Instrument :
BNA_P
ClientSampleId :
MH-83.5

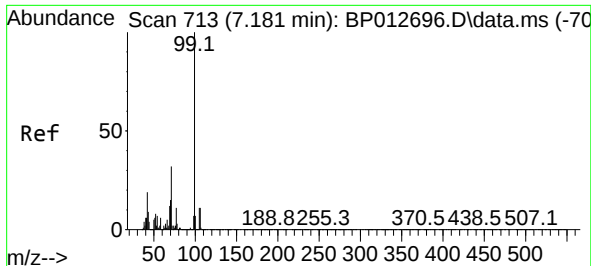
Tgt Ion:152 Resp: 351977
Ion Ratio Lower Upper
152 100
150 160.0 126.0 189.0
115 56.5 44.9 67.3



#5
2-Fluorophenol
Concen: 176.955 ng
RT: 5.581 min Scan# 441
Delta R.T. 0.006 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

Tgt Ion:112 Resp: 2874962
Ion Ratio Lower Upper
112 100
64 54.0 45.4 68.0
63 27.6 24.6 37.0



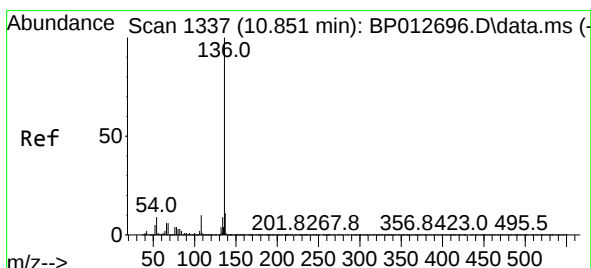
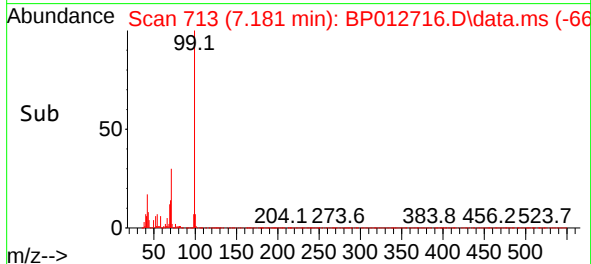
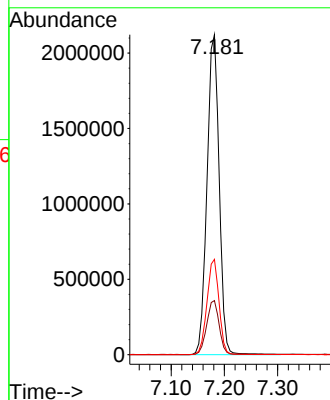
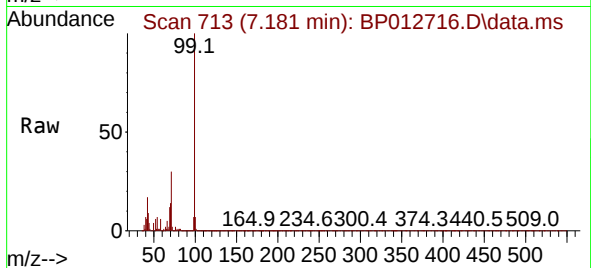


#7
Phenol-d6
Concen: 144.566 ng
RT: 7.181 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

Instrument :
BNA_P
ClientSampleId :
MH-83.5

Tgt Ion: 99 Resp: 3368384

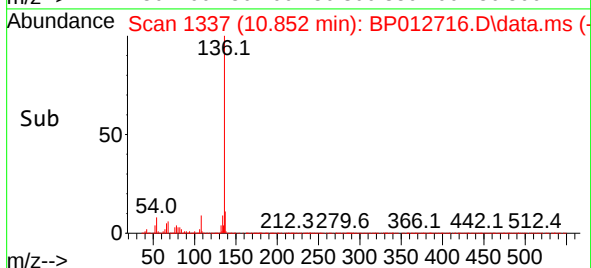
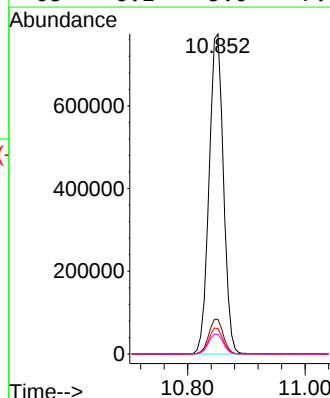
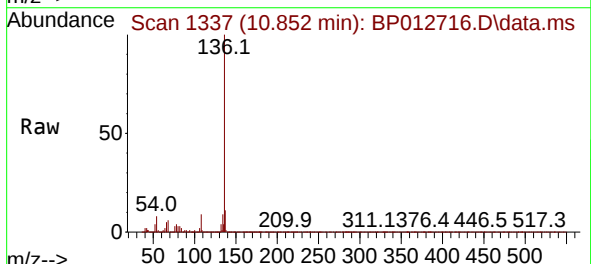
Ion	Ratio	Lower	Upper
99	100		
42	16.9	15.0	22.6
71	29.8	25.3	37.9

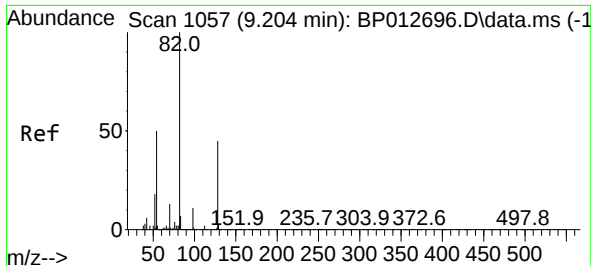


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.852 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

Tgt Ion:136 Resp: 1313071

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	7.9	6.9	10.3
68	6.1	5.0	7.6



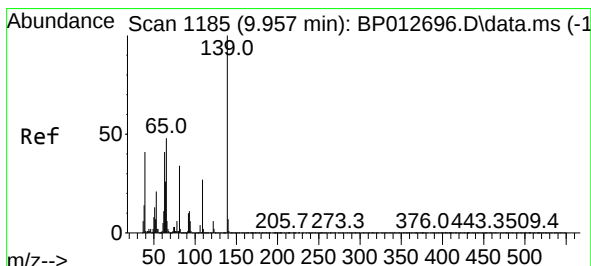
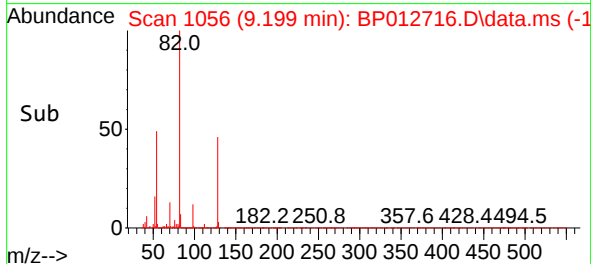
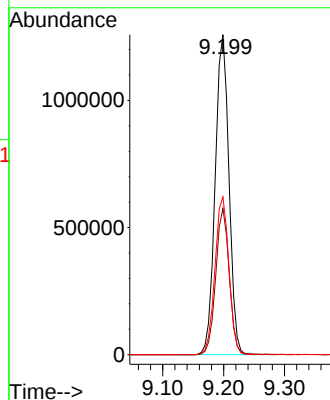
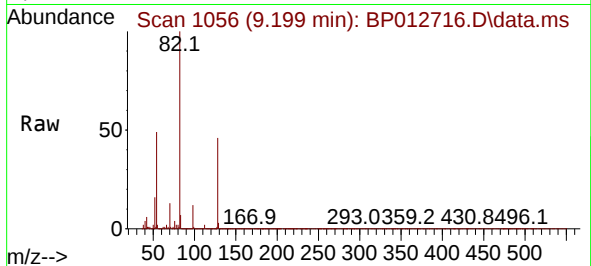


#23
Nitrobenzene-d5
Concen: 83.986 ng
RT: 9.199 min Scan# 11056
Delta R.T. -0.006 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

Instrument :
BNA_P
ClientSampleId :
MH-83.5

Tgt Ion: 82 Resp: 1977371

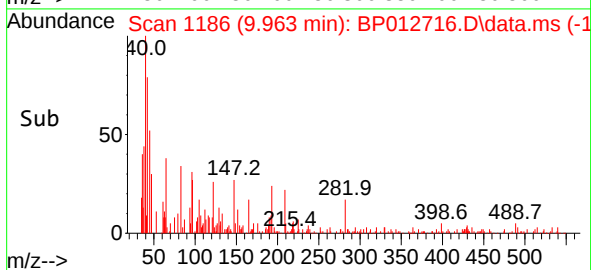
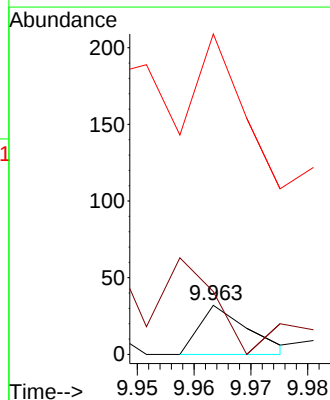
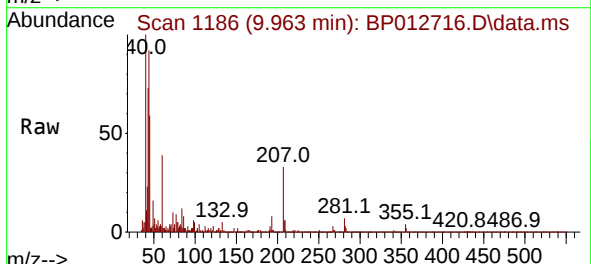
Ion	Ratio	Lower	Upper
82	100		
128	45.7	35.6	53.4
54	49.3	40.3	60.5

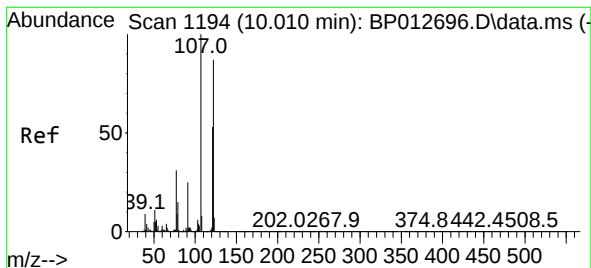


#26
2-Nitrophenol
Concen: 4.410 ng
RT: 9.963 min Scan# 1186
Delta R.T. 0.006 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 139 Resp: 19

Ion	Ratio	Lower	Upper
139	100		
109	128.1	21.5	32.3#
65	653.1	38.3	57.5#





#27

2,4-Dimethylphenol

Concen: 2.097 ng

RT: 10.040 min Scan# 1199

Delta R.T. 0.030 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

Instrument :

BNA_P

ClientSampleId :

MH-83.5

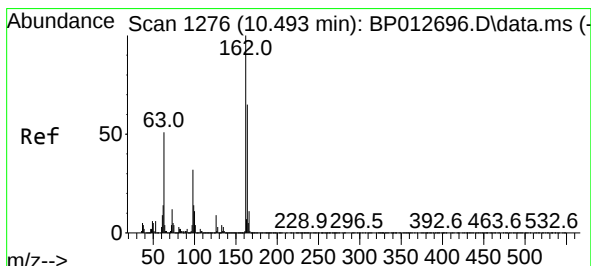
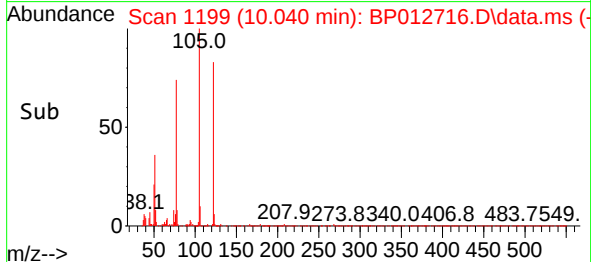
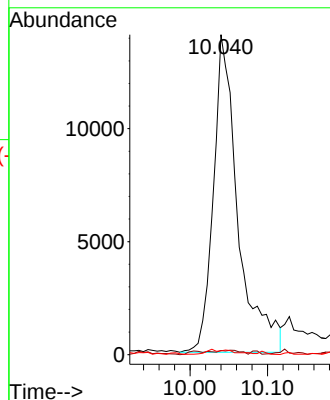
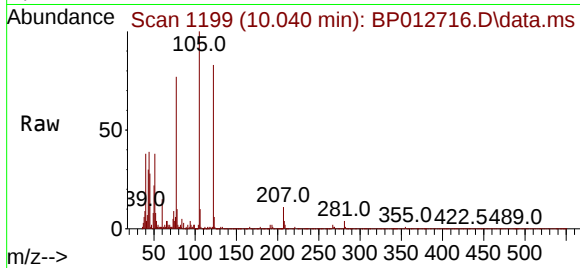
Tgt Ion:122 Resp: 31046

Ion Ratio Lower Upper

122 100

107 1.3 90.9 136.3#

121 1.2 47.8 71.6#



#29

2,4-Dichlorophenol

Concen: 2.211 ng

RT: 10.493 min Scan# 1276

Delta R.T. -0.000 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

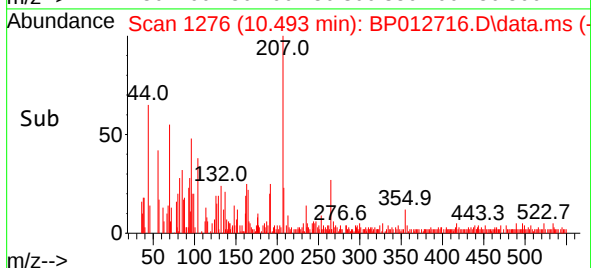
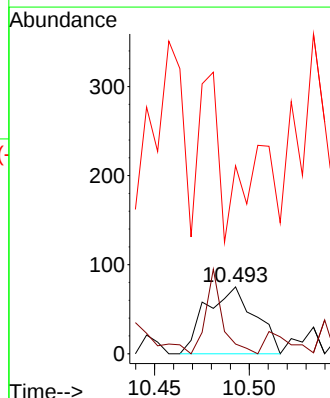
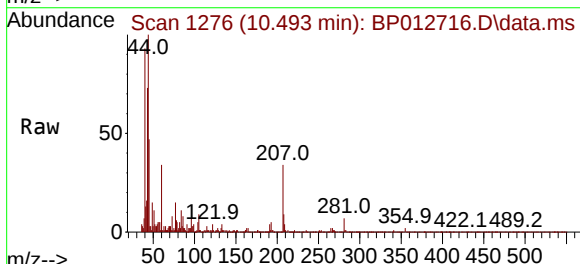
Tgt Ion:162 Resp: 135

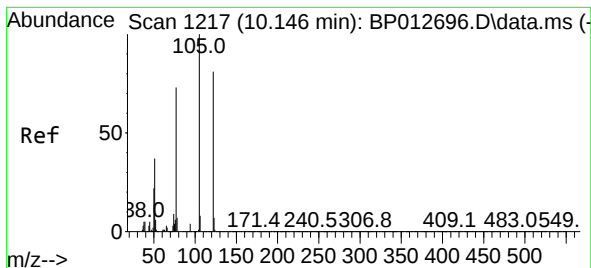
Ion Ratio Lower Upper

162 100

164 14.7 44.9 84.9#

98 281.3 12.5 52.5#





#32

Benzoic acid

Concen: 6.730 ng

RT: 10.040 min Scan# 1199

Delta R.T. -0.106 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

Instrument :

BNA_P

ClientSampleId :

MH-83.5

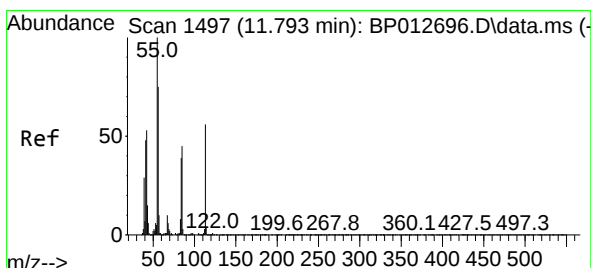
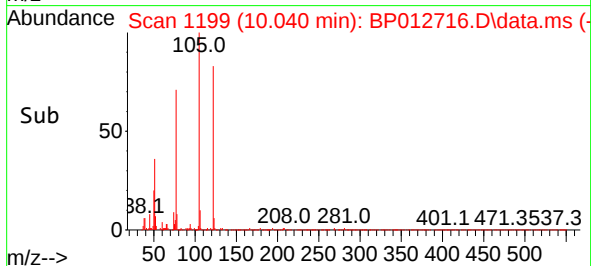
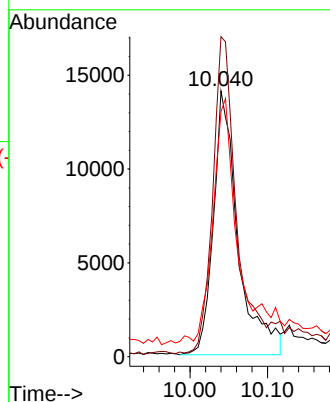
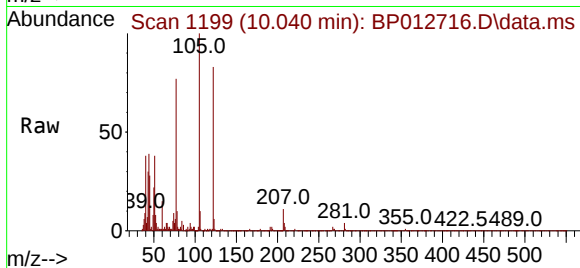
Tgt Ion:122 Resp: 31046

Ion Ratio Lower Upper

122 100

105 120.5 98.3 138.3

77 92.2 70.6 110.6



#35

Caprolactam

Concen: 2.773 ng

RT: 11.804 min Scan# 1499

Delta R.T. 0.011 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

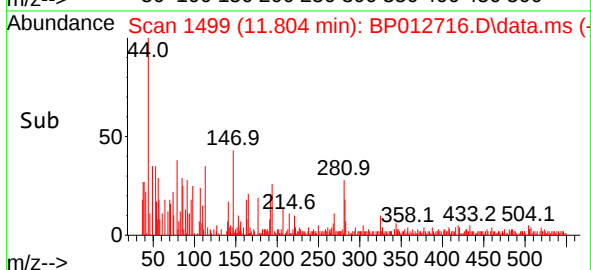
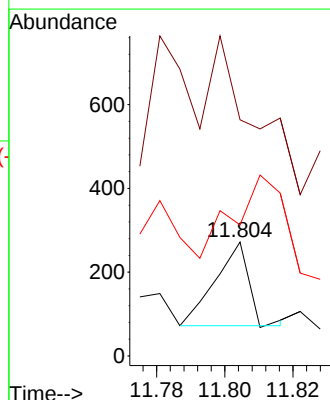
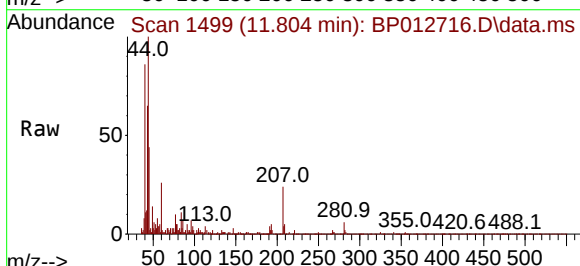
Tgt Ion:113 Resp: 138

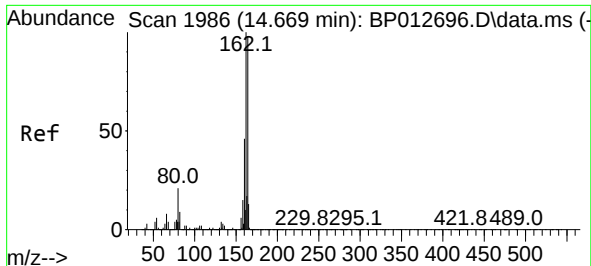
Ion Ratio Lower Upper

113 100

55 207.4 158.0 198.0#

56 115.1 114.1 154.1

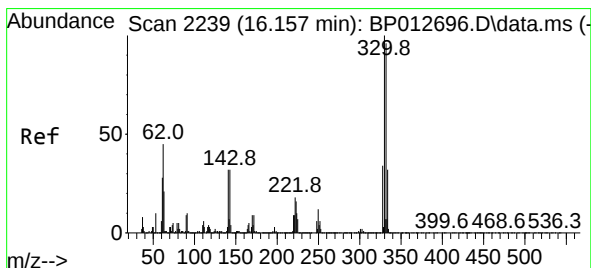
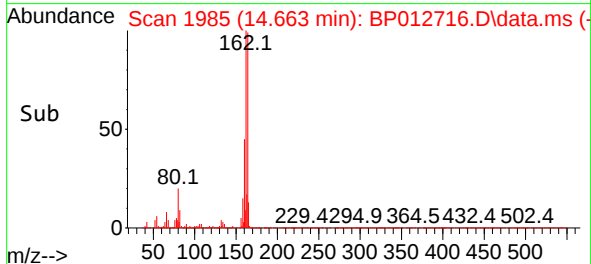
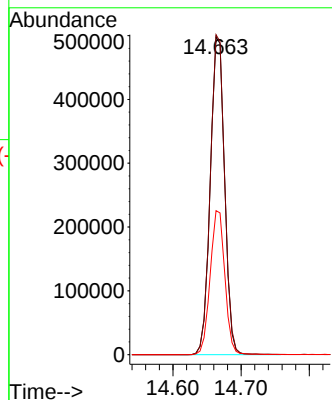
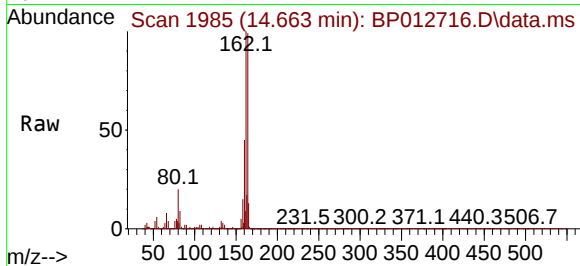




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

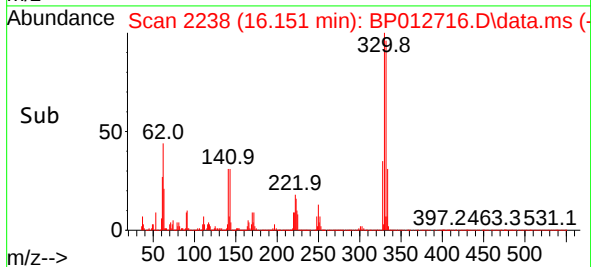
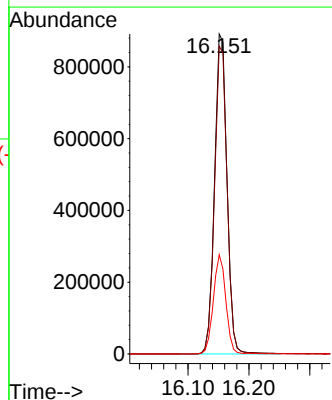
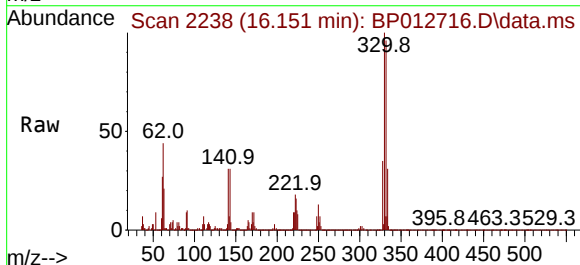
Instrument :
BNA_P
ClientSampleId :
MH-83.5

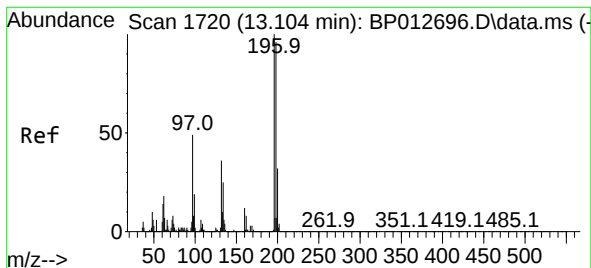
Tgt Ion:164 Resp: 727317
Ion Ratio Lower Upper
164 100
162 100.7 81.3 121.9
160 45.3 37.6 56.4



#42
2,4,6-Tribromophenol
Concen: 134.274 ng
RT: 16.151 min Scan# 2238
Delta R.T. -0.006 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

Tgt Ion:330 Resp: 1266190
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 31.1 25.2 37.8





#43

2,4,6-Trichlorophenol

Concen: 4.186 ng

RT: 13.057 min Scan# 1

Delta R.T. -0.047 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

Instrument :

BNA_P

ClientSampleId :

MH-83.5

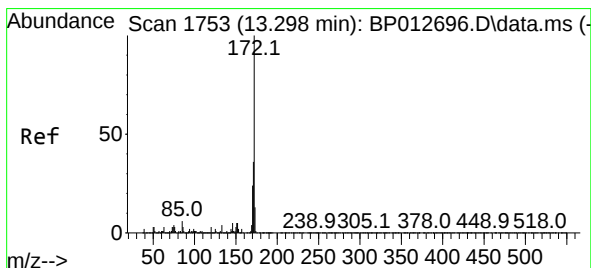
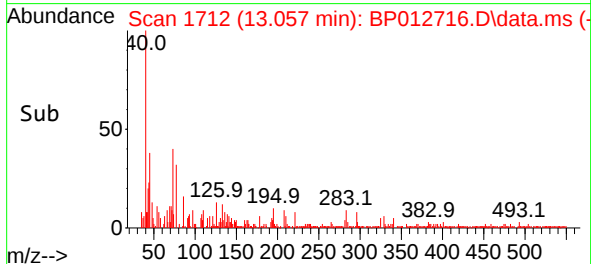
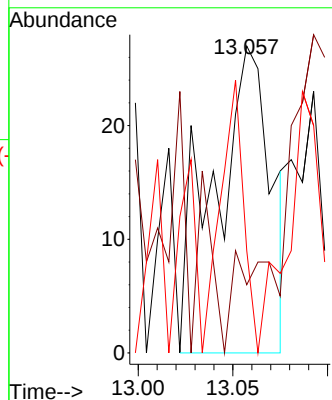
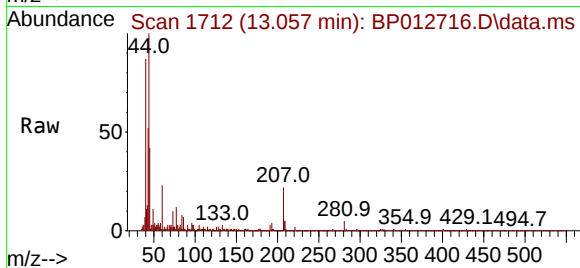
Tgt Ion:196 Resp: 56

Ion Ratio Lower Upper

196 100

198 22.2 76.6 115.0#

200 33.3 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 93.468 ng

RT: 13.293 min Scan# 1752

Delta R.T. -0.005 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

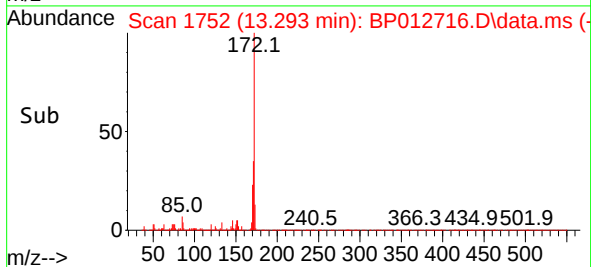
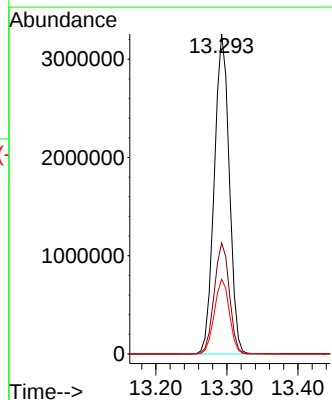
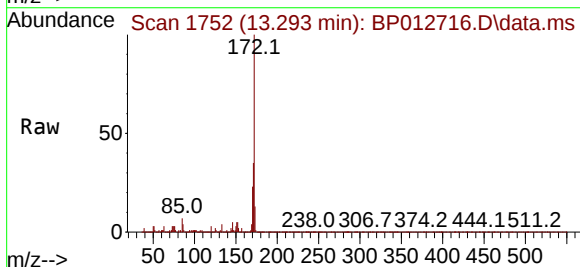
Tgt Ion:172 Resp: 4771749

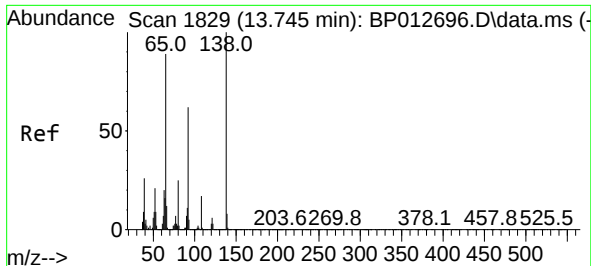
Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.3 19.1 28.7

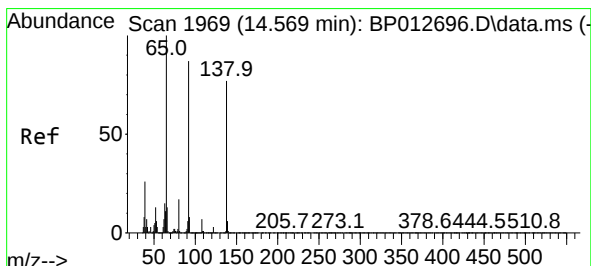
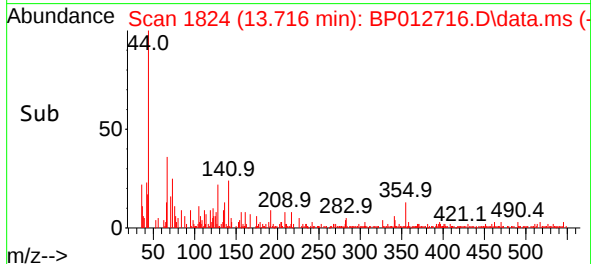
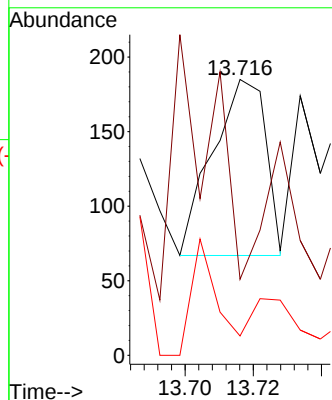
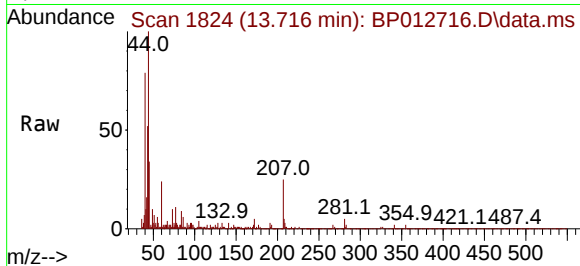




#48
2-Nitroaniline
Concen: 4.817 ng
RT: 13.716 min Scan# 1824
Delta R.T. -0.029 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

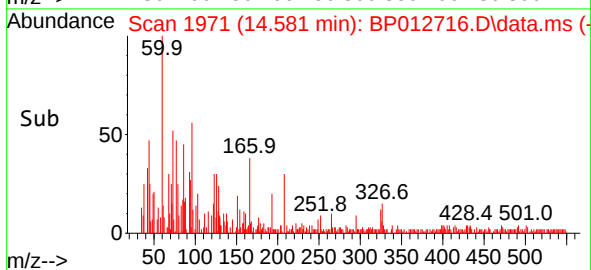
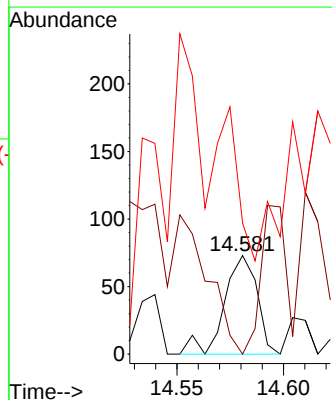
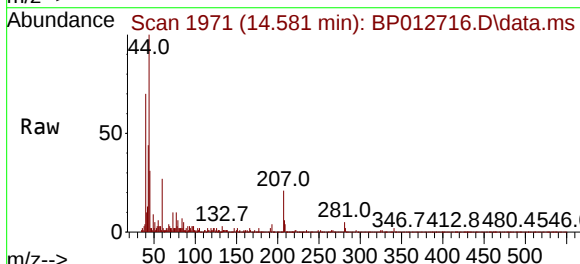
Instrument :
BNA_P
ClientSampleId :
MH-83.5

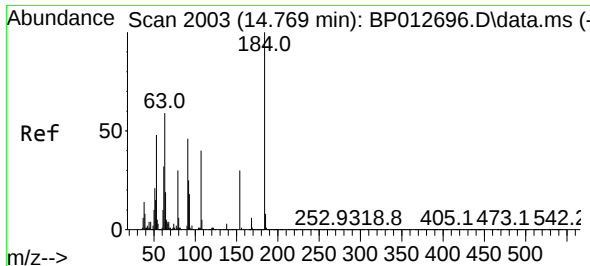
Tgt Ion: 65 Resp: 128
Ion Ratio Lower Upper
65 100
92 27.6 55.4 83.2#
138 7.0 89.5 134.3#



#53
3-Nitroaniline
Concen: 3.682 ng
RT: 14.581 min Scan# 1971
Delta R.T. 0.012 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 138 Resp: 78
Ion Ratio Lower Upper
138 100
108 0.0 7.4 11.2#
92 132.9 91.3 136.9

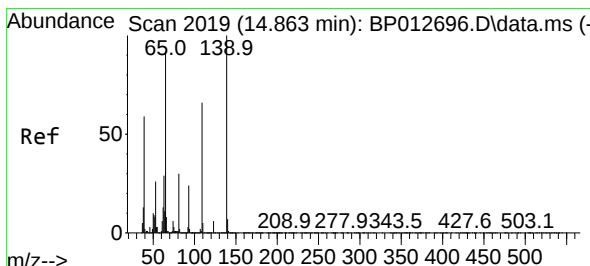
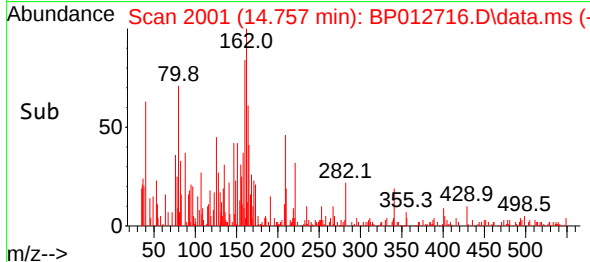
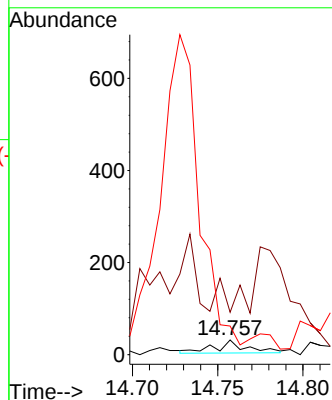
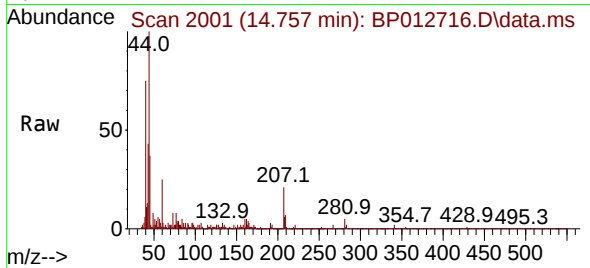




#54
2,4-Dinitrophenol
Concen: 3.030 ng
RT: 14.757 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

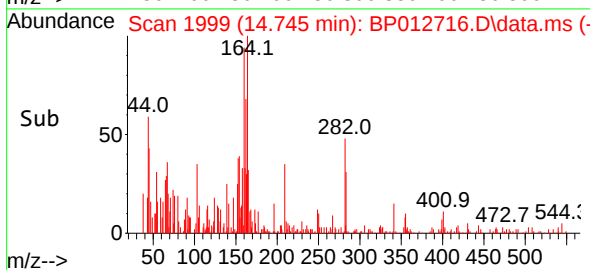
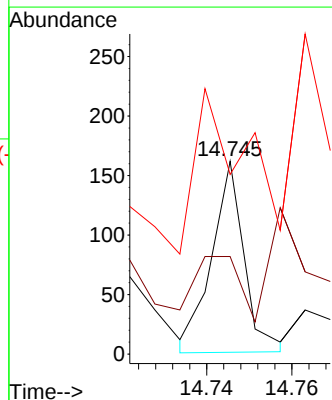
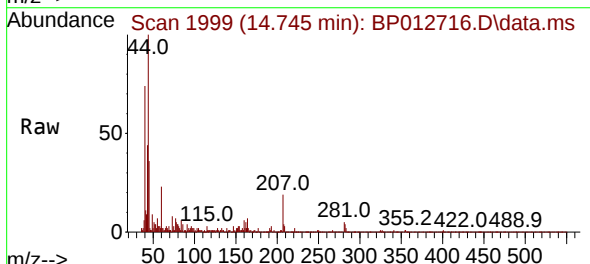
Instrument :
BNA_P
ClientSampleId :
MH-83.5

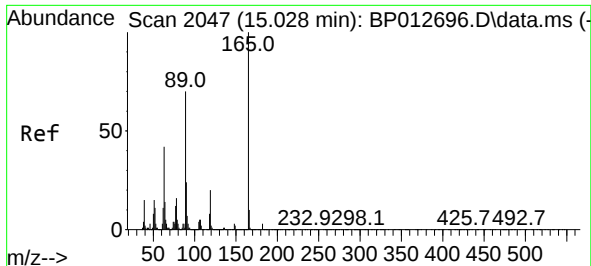
Tgt Ion:184 Resp: 36
Ion Ratio Lower Upper
184 100
63 287.5 50.0 75.0#
154 193.8 45.5 68.3#



#56
4-Nitrophenol
Concen: 5.707 ng
RT: 14.745 min Scan# 1999
Delta R.T. -0.118 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

Tgt Ion:139 Resp: 84
Ion Ratio Lower Upper
139 100
109 50.6 46.1 86.1
65 93.2 72.5 112.5

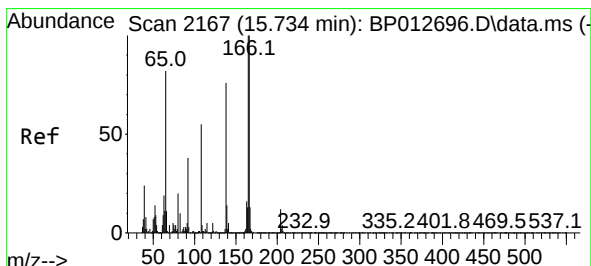
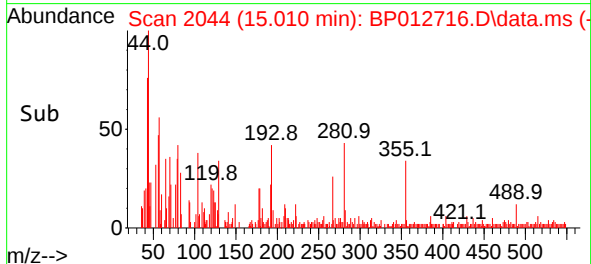
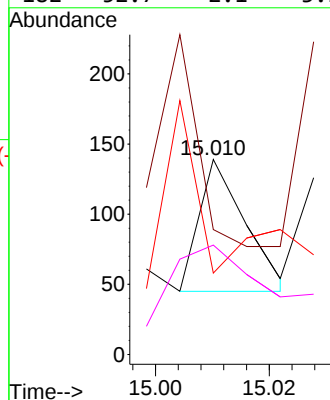
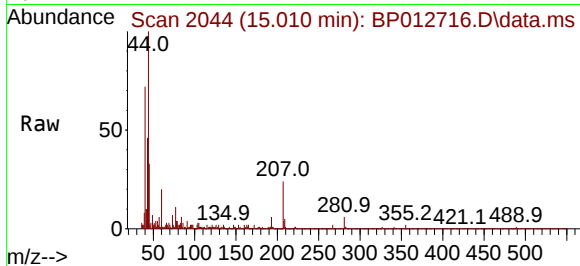




#57
2,4-Dinitrotoluene
Concen: 3.556 ng
RT: 15.010 min Scan# 2044
Delta R.T. -0.018 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

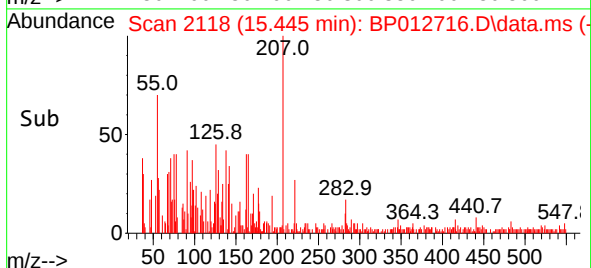
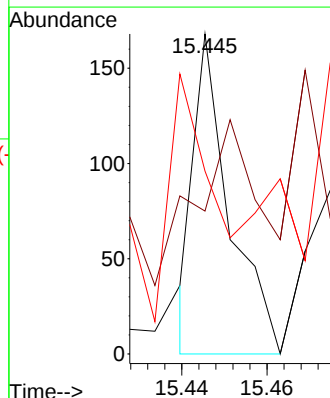
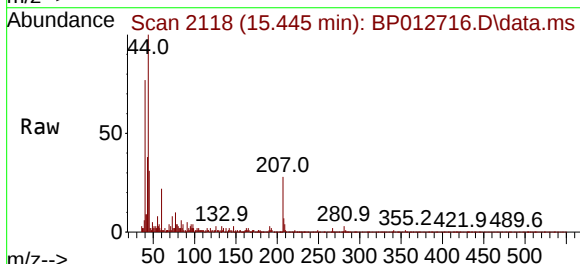
Instrument :
BNA_P
ClientSampleId :
MH-83.5

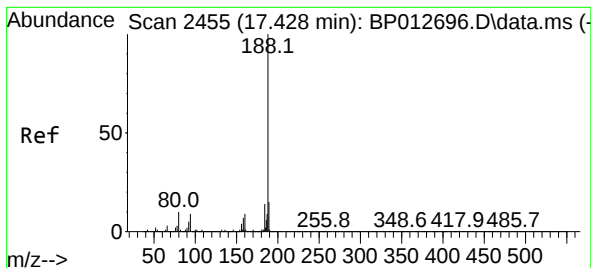
Tgt Ion:165 Resp: 53
Ion Ratio Lower Upper
165 100
63 60.1 33.7 50.5#
89 44.6 56.3 84.5#
182 52.7 2.1 3.1#



#62
4-Nitroaniline
Concen: 4.614 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.289 min
Lab File: BP012716.D
Acq: 23 Nov 2022 18:23

Tgt Ion:138 Resp: 97
Ion Ratio Lower Upper
138 100
92 44.6 29.6 69.6
108 57.1 51.4 91.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.422 min Scan# 2455

Delta R.T. -0.006 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

Instrument :

BNA_P

ClientSampleId :

MH-83.5

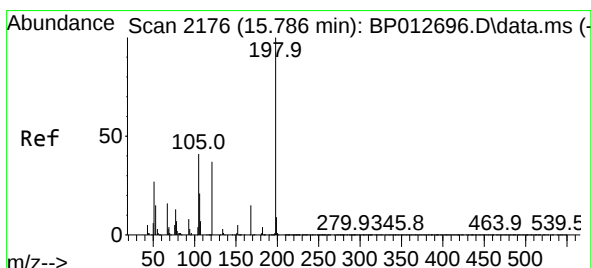
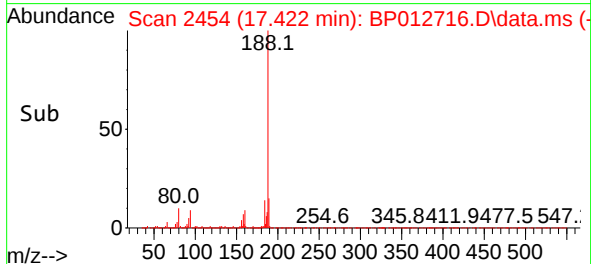
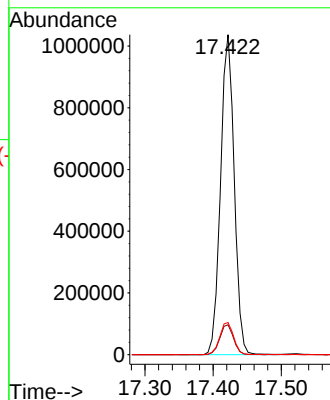
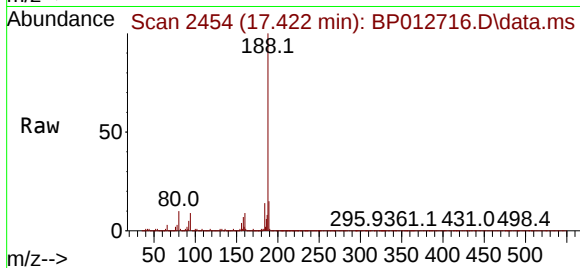
Tgt Ion:188 Resp: 1444857

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.6

80 10.1 7.8 11.6



#65

4,6-Dinitro-2-methylphenol

Concen: 3.686 ng

RT: 15.775 min Scan# 2174

Delta R.T. -0.011 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

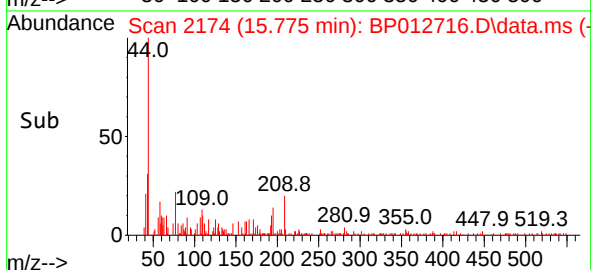
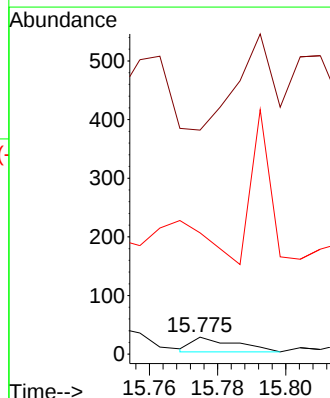
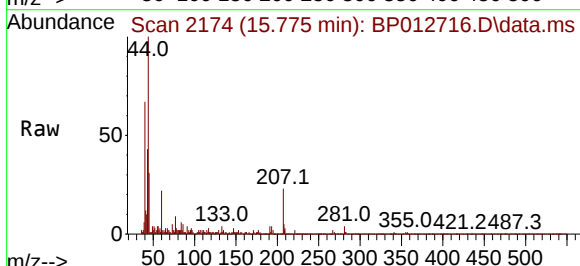
Tgt Ion:198 Resp: 22

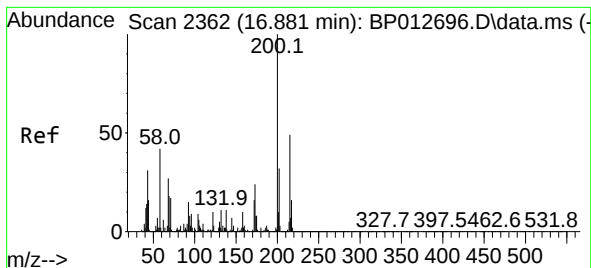
Ion Ratio Lower Upper

198 100

51 1317.2 25.7 65.7#

105 713.8 22.8 62.8#





#69

Atrazine

Concen: 4.030 ng

RT: 16.869 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

Instrument :

BNA_P

ClientSampleId :

MH-83.5

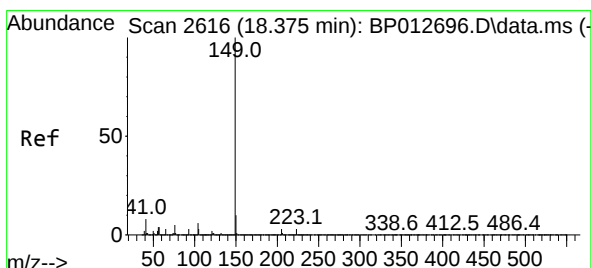
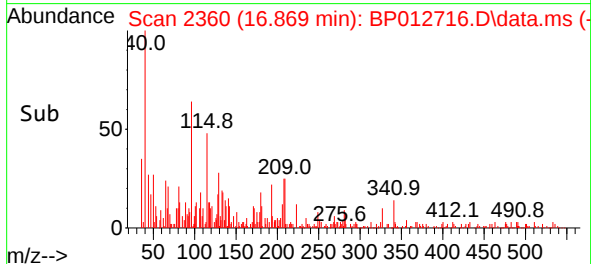
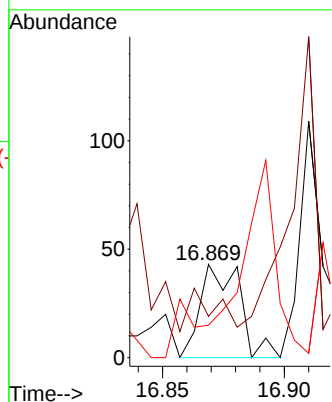
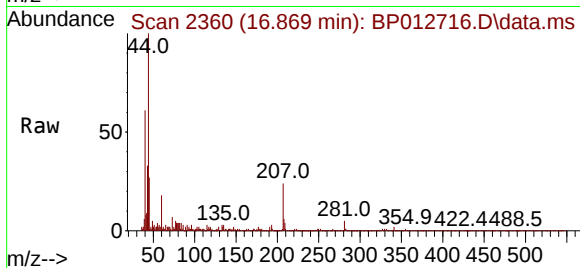
Tgt Ion:200 Resp: 48

Ion Ratio Lower Upper

200 100

173 44.2 4.3 44.3

215 34.9 29.5 69.5



#74

Di-n-butylphthalate

Concen: 5.787 ng

RT: 18.369 min Scan# 2615

Delta R.T. -0.006 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

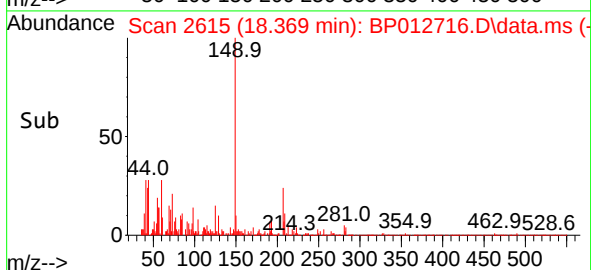
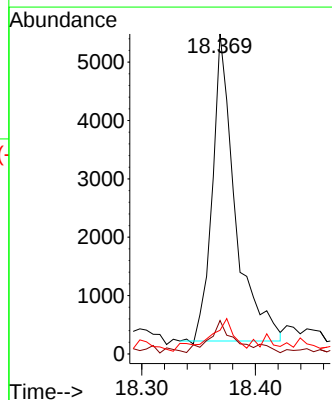
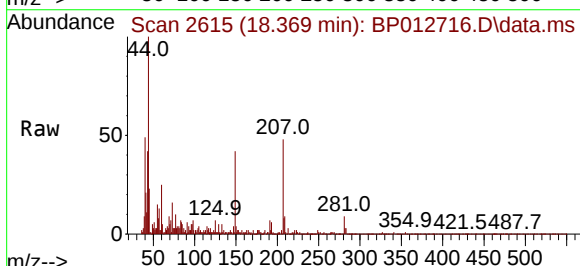
Tgt Ion:149 Resp: 7313

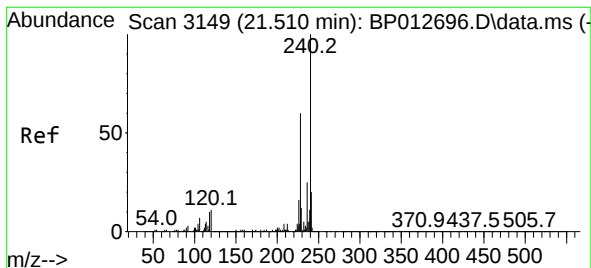
Ion Ratio Lower Upper

149 100

150 10.5 7.7 11.5

104 7.4 4.6 6.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.504 min Scan# 3149

Delta R.T. -0.006 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

Instrument :

BNA_P

ClientSampleId :

MH-83.5

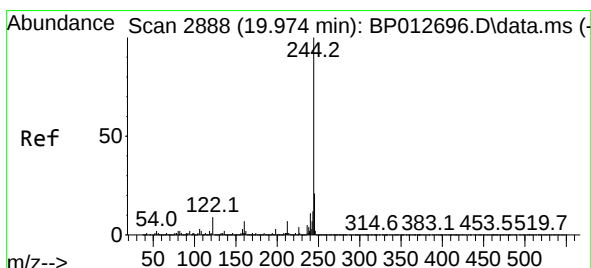
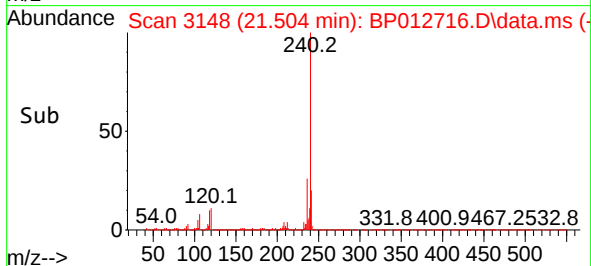
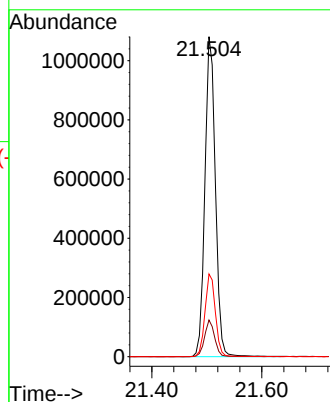
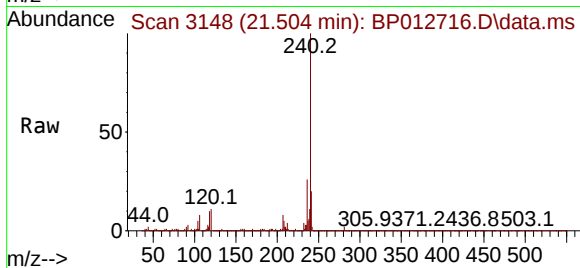
Tgt Ion:240 Resp: 1428997

Ion Ratio Lower Upper

240 100

120 11.5 8.6 12.8

236 25.9 20.4 30.6



#79

Terphenyl-d14

Concen: 109.297 ng

RT: 19.969 min Scan# 2887

Delta R.T. -0.006 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

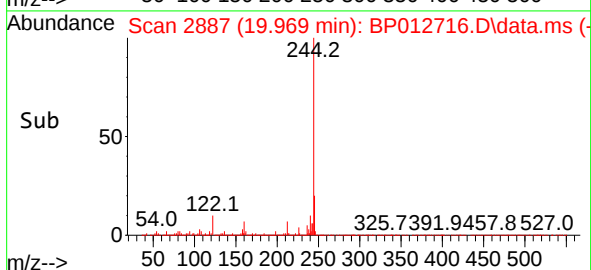
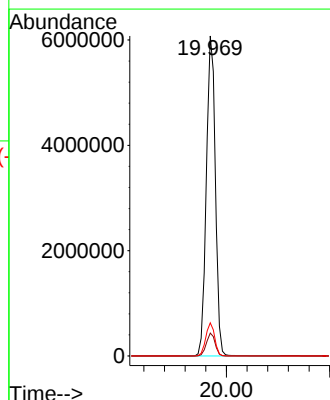
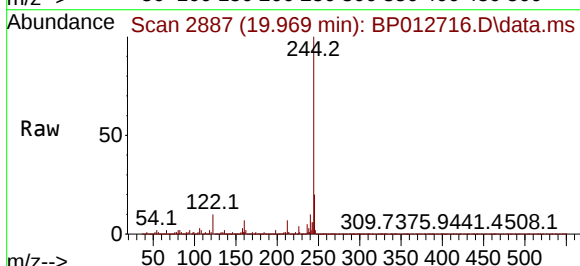
Tgt Ion:244 Resp: 7348616

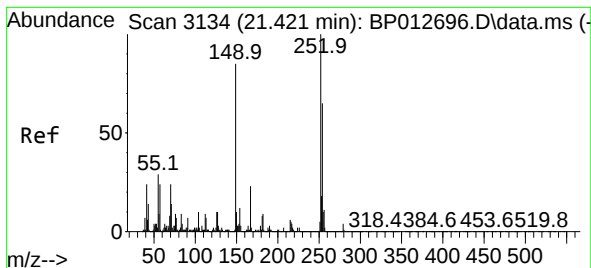
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 10.4 6.9 10.3#





#82

3,3'-Dichlorobenzidine

Concen: 8.620 ng

RT: 21.398 min Scan# 3134

Delta R.T. -0.023 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

Instrument :

BNA_P

ClientSampleId :

MH-83.5

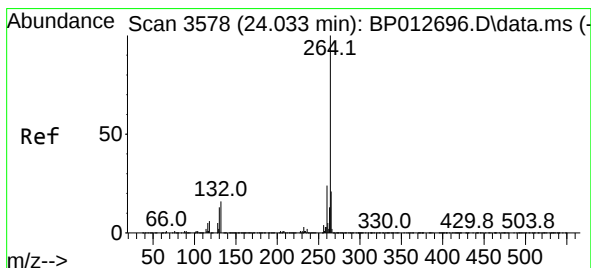
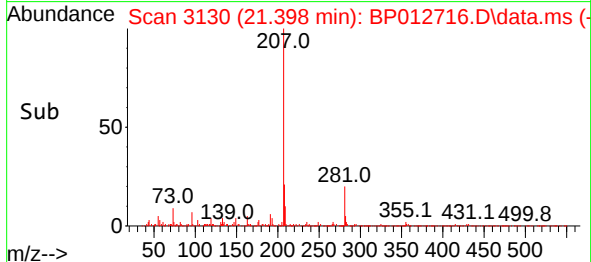
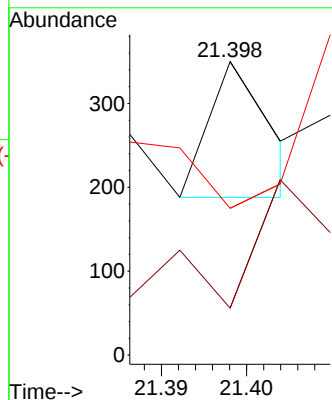
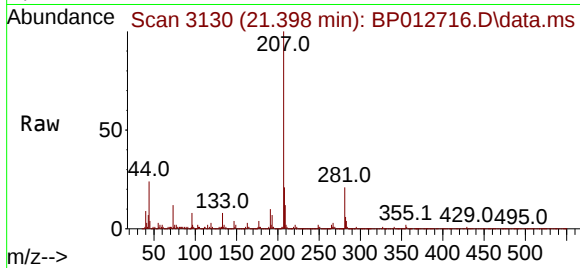
Tgt Ion:252 Resp: 81

Ion Ratio Lower Upper

252 100

254 16.0 51.7 77.5#

126 50.0 7.7 11.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.027 min Scan# 3577

Delta R.T. -0.006 min

Lab File: BP012716.D

Acq: 23 Nov 2022 18:23

Tgt Ion:264 Resp: 1591278

Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.4

265 21.5 17.1 25.7

