

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012423\
 Data File : BP013565.D
 Acq On : 24 Jan 2023 11:43
 Operator : CG/JU
 Sample : 01233-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-38

Quant Time: Jan 25 03:46:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 03:43:27 2023
 Response via : Initial Calibration

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

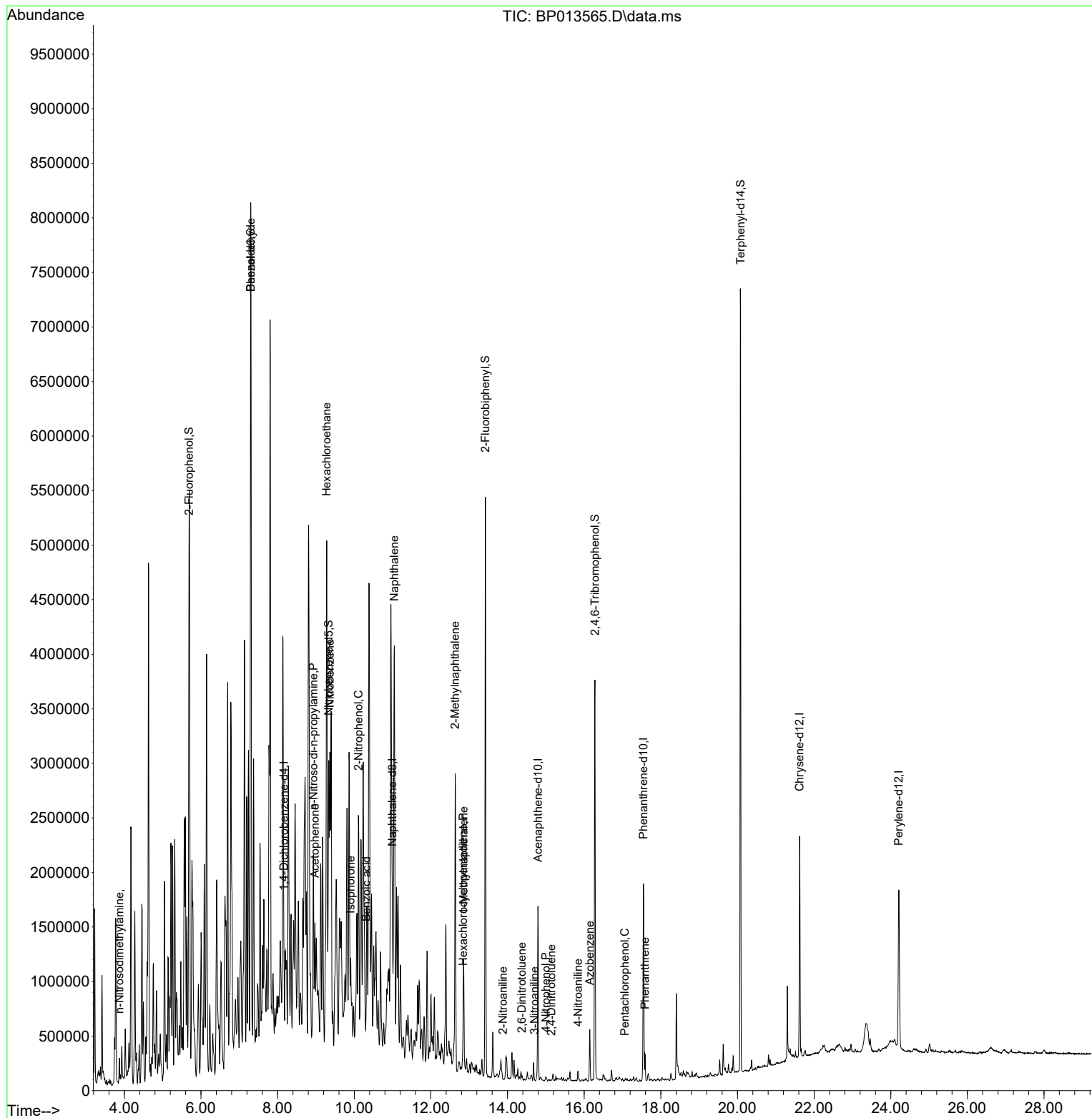
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	253707	20.000	ng	0.00
21) Naphthalene-d8	10.993	136	972664	20.000	ng	# 0.00
39) Acenaphthene-d10	14.793	164	544889	20.000	ng	0.00
64) Phenanthrene-d10	17.545	188	1077804	20.000	ng	0.00
76) Chrysene-d12	21.622	240	971180	20.000	ng	0.00
86) Perylene-d12	24.210	264	1162665	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1726783	116.615	ng	0.00
7) Phenol-d6	7.299	99	2092403	104.992	ng	0.00
23) Nitrobenzene-d5	9.334	82	1256986	85.314	ng	0.00
42) 2,4,6-Tribromophenol	16.281	330	714060	130.649	ng	0.00
45) 2-Fluorobiphenyl	13.422	172	2650143	66.761	ng	0.00
79) Terphenyl-d14	20.081	244	3436443	63.656	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.870	42	19921	2.486	ng	# 1
9) Benzaldehyde	7.299	77	141748	11.232	ng	# 1
18) Hexachloroethane	9.281	117	425297	69.446	ng	# 1
19) n-Nitroso-di-n-propyla...	8.934	70	62961	4.905	ng	# 53
22) Acetophenone	8.975	105	639663	25.635	ng	# 57
24) Nitrobenzene	9.363	77	79182	4.998	ng	# 24
25) Isophorone	9.905	82	84020	2.404	ng	# 1
26) 2-Nitrophenol	10.110	139	8516	3.907	ng	# 1
31) Naphthalene	11.046	128	2262982	43.276	ng	97
32) Benzoic acid	10.316	122	1402	2.208	ng	# 1
37) 2-Methylnaphthalene	12.634	142	1300841	34.998	ng	99
38) 1-Methylnaphthalene	12.851	142	470768	13.479	ng	99
41) Hexachlorocyclopentadiene	12.840	237	12	3.905	ng	88
48) 2-Nitroaniline	13.881	65	289	6.248	ng	# 54
51) 2,6-Dinitrotoluene	14.375	165	34	5.168	ng	# 1
53) 3-Nitroaniline	14.698	138	487	5.456	ng	# 15
54) 2,4-Dinitrophenol	14.881	184	73	Below Cal		# 1
56) 4-Nitrophenol	14.998	139	2981	5.598	ng	# 78
57) 2,4-Dinitrotoluene	15.145	165	394	5.231	ng	# 88
62) 4-Nitroaniline	15.840	138	814	3.750	ng	88
63) Azobenzene	16.145	77	121117	3.151	ng	# 1
70) Pentachlorophenol	17.057	266	14	5.330	ng	94
71) Phenanthrene	17.587	178	145625	2.428	ng	98

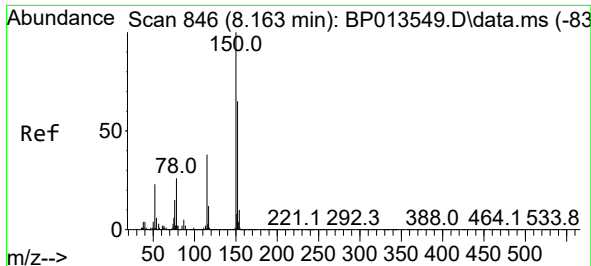
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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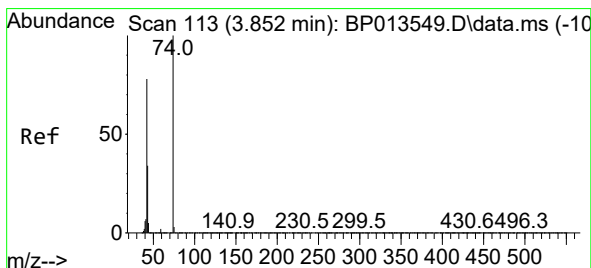
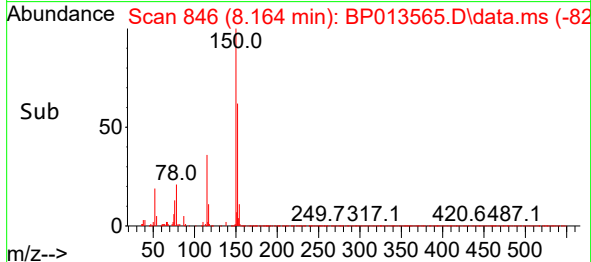
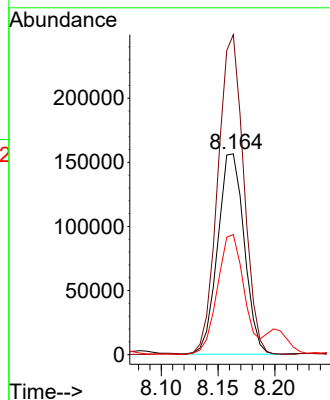
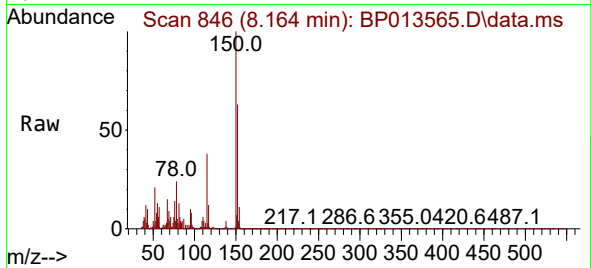




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 846
Delta R.T. -0.000 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

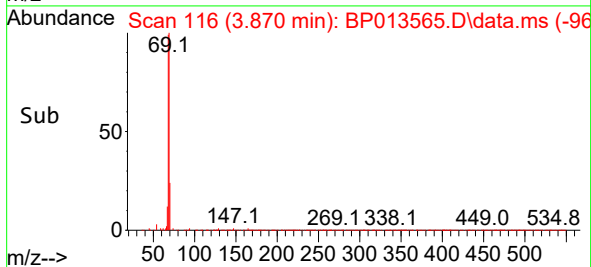
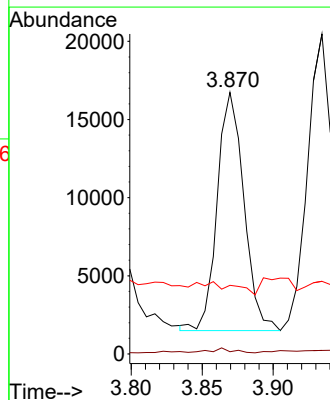
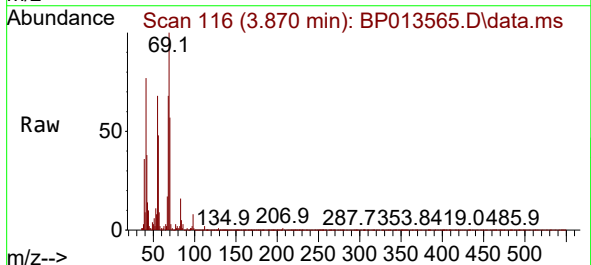
Instrument :
BNA_P
ClientSampleId :
WC-38

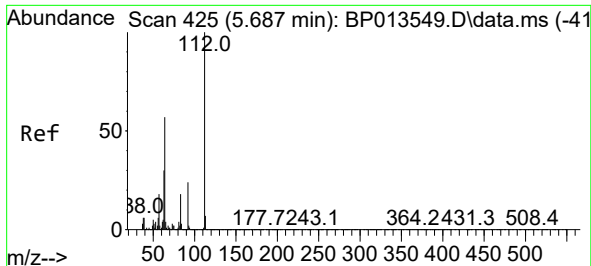
Tgt Ion:152 Resp: 253707
Ion Ratio Lower Upper
152 100
150 159.4 122.4 183.6
115 59.8 46.1 69.1



#4
n-Nitrosodimethylamine
Concen: 2.486 ng
RT: 3.870 min Scan# 116
Delta R.T. 0.018 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

Tgt Ion: 42 Resp: 19921
Ion Ratio Lower Upper
42 100
74 0.9 102.3 153.5#
44 26.2 6.2 9.2#

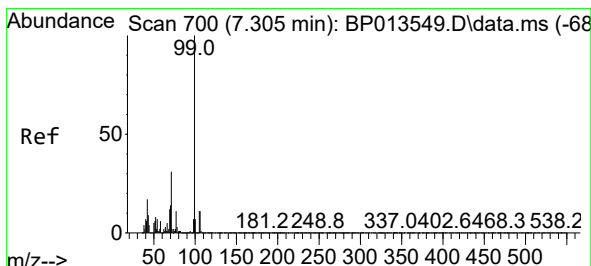
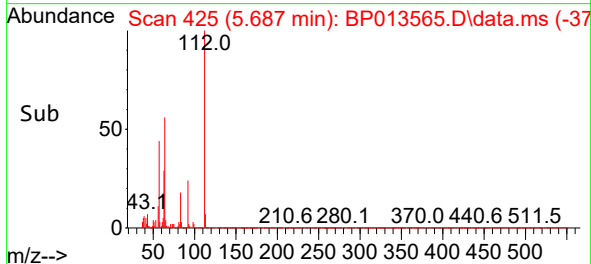
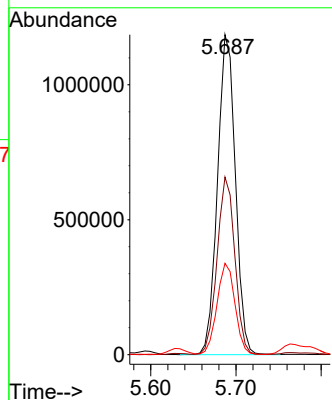
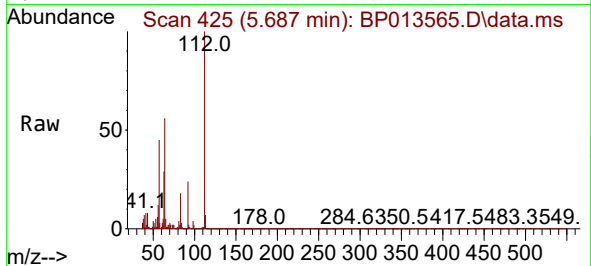




#5
2-Fluorophenol
Concen: 116.615 ng
RT: 5.687 min Scan# 41
Delta R.T. -0.000 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

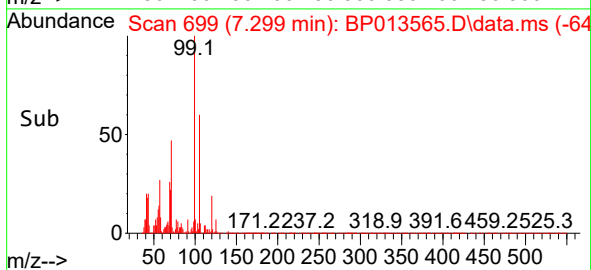
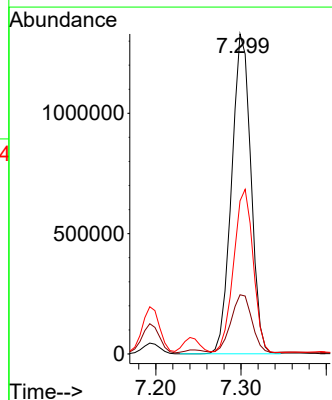
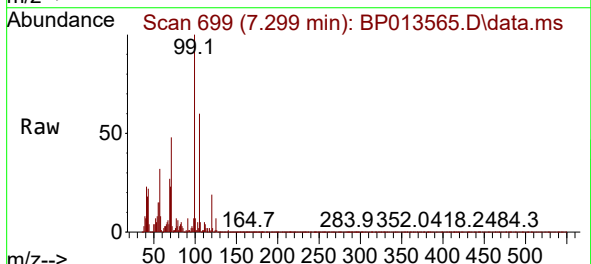
Instrument :
BNA_P
ClientSampleId :
WC-38

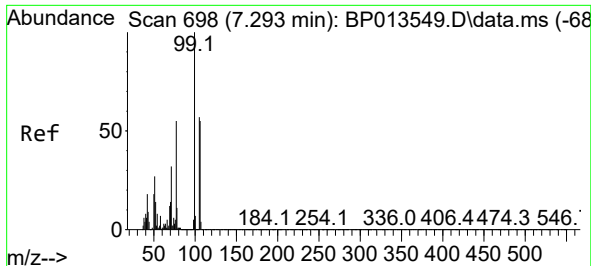
Tgt Ion:112 Resp: 1726783
Ion Ratio Lower Upper
112 100
64 55.5 45.4 68.0
63 28.5 24.1 36.1



#7
Phenol-d6
Concen: 104.992 ng
RT: 7.299 min Scan# 699
Delta R.T. -0.000 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

Tgt Ion: 99 Resp: 2092403
Ion Ratio Lower Upper
99 100
42 18.5 14.0 21.0
71 47.9 24.7 37.1#

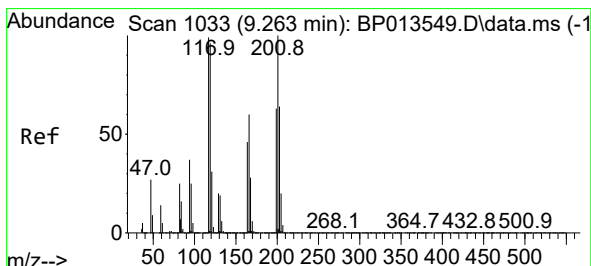
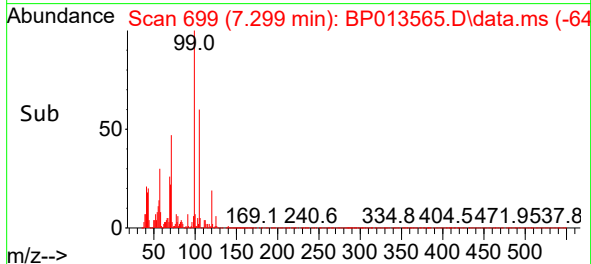
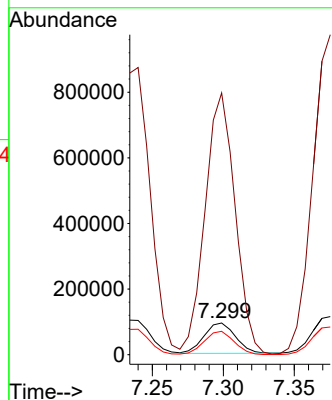
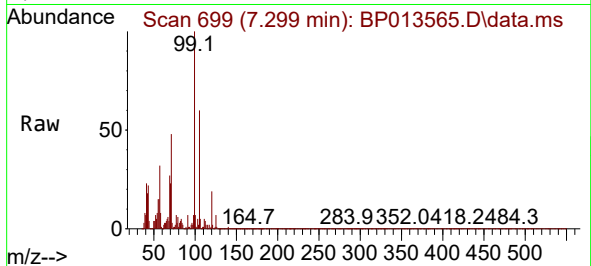




#9
Benzaldehyde
Concen: 11.232 ng
RT: 7.299 min Scan# 698
Delta R.T. 0.012 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

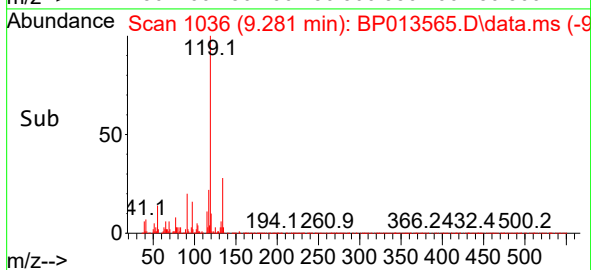
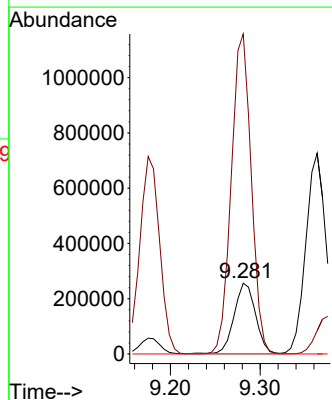
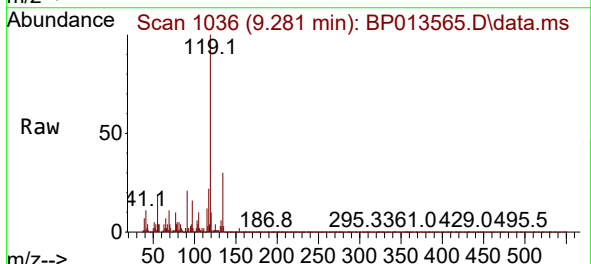
Instrument :
BNA_P
ClientSampleId :
WC-38

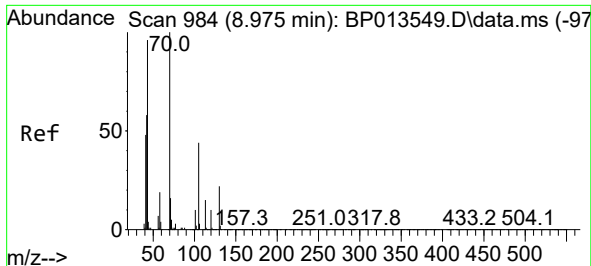
Tgt Ion: 77 Resp: 141748
Ion Ratio Lower Upper
77 100
105 826.8 82.6 122.6#
106 73.9 78.9 118.9#



#18
Hexachloroethane
Concen: 69.446 ng
RT: 9.281 min Scan# 1036
Delta R.T. 0.023 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

Tgt Ion: 117 Resp: 425297
Ion Ratio Lower Upper
117 100
119 452.7 77.0 115.6#
201 0.0 80.6 120.8#

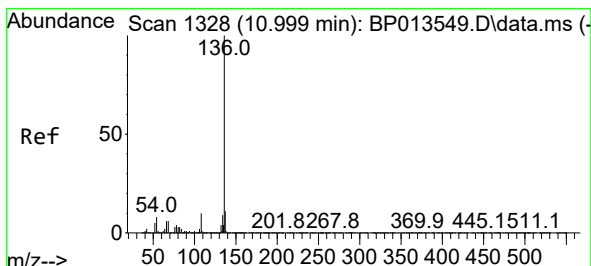
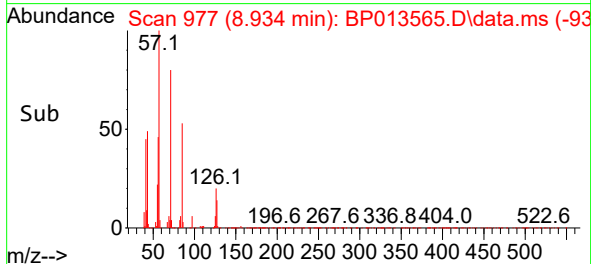
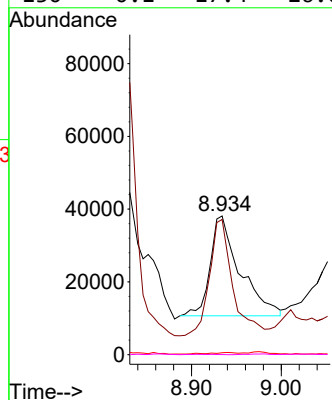
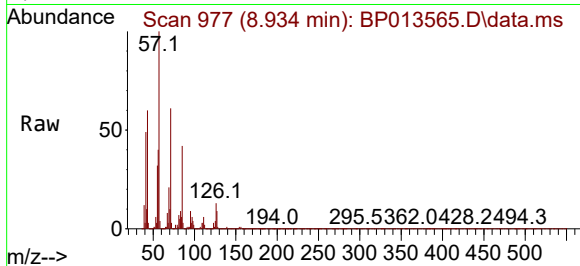




#19
n-Nitroso-di-n-propylamine
Concen: 4.905 ng
RT: 8.934 min Scan# 91
Delta R.T. -0.041 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

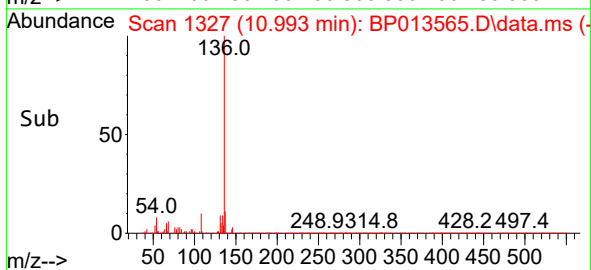
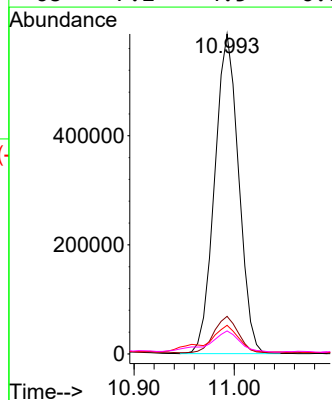
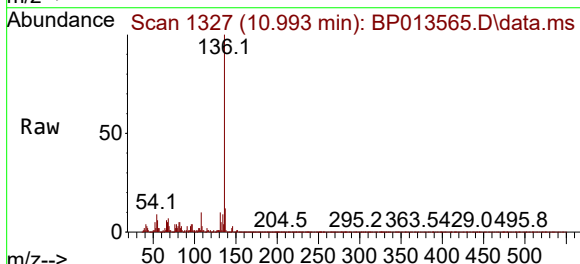
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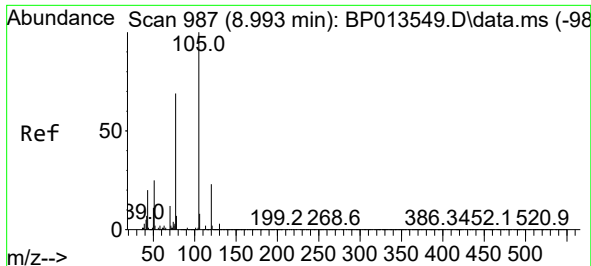
Tgt Ion: 70	Resp: 62961
Ion Ratio	Lower Upper
70 100	
42 97.5	47.2 70.8#
101 1.4	8.0 12.0#
130 0.1	17.4 26.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.993 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

Tgt	Ion:136	Resp:	972664
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.4
54	9.0	6.6	9.8
68	7.2	4.5	6.7#

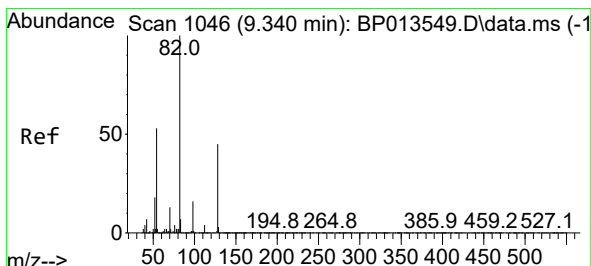
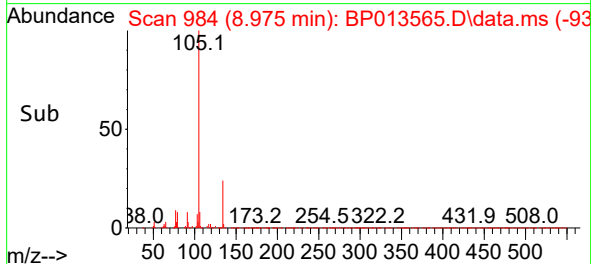
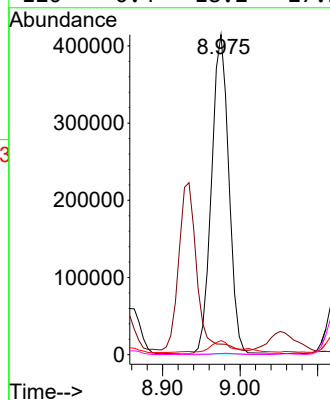
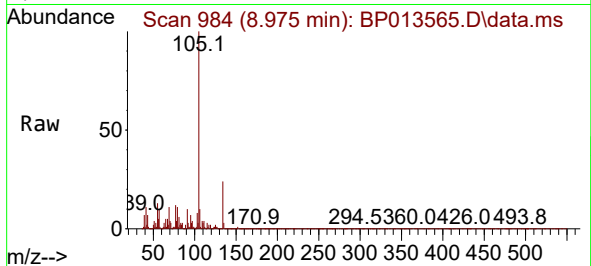




#22
Acetophenone
Concen: 25.635 ng
RT: 8.975 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

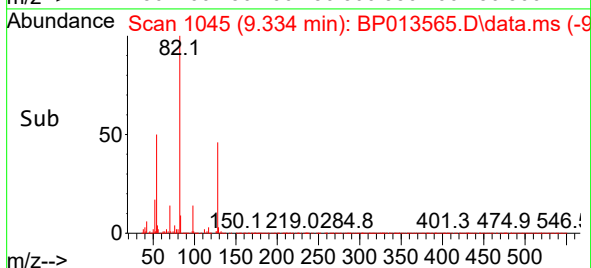
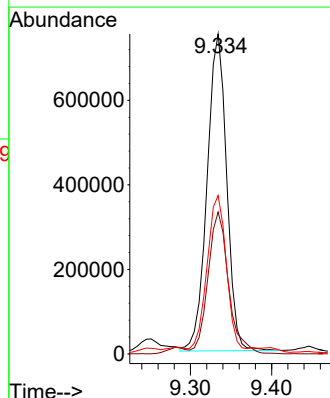
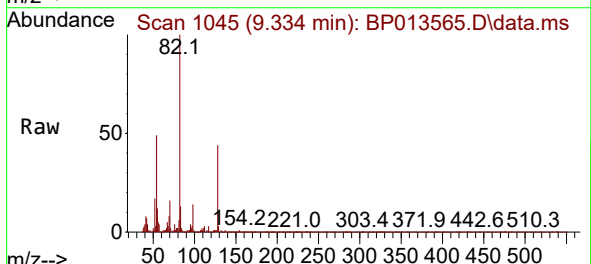
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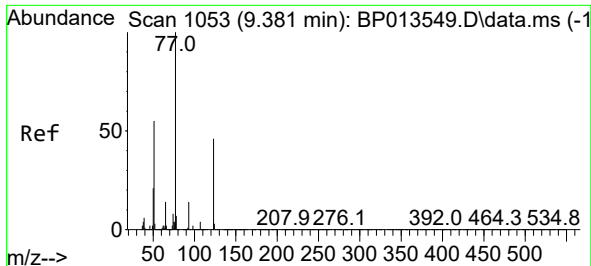
Tgt Ion:105 Resp: 639663
Ion Ratio Lower Upper
105 100
71 3.3 1.8 2.8#
51 4.4 21.1 31.7#
120 0.4 18.2 27.2#



#23
Nitrobenzene-d5
Concen: 85.314 ng
RT: 9.334 min Scan# 1045
Delta R.T. -0.000 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

Tgt Ion: 82 Resp: 1256986
Ion Ratio Lower Upper
82 100
128 44.4 35.8 53.6
54 49.5 42.6 64.0

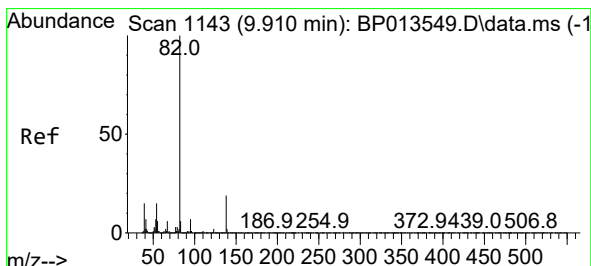
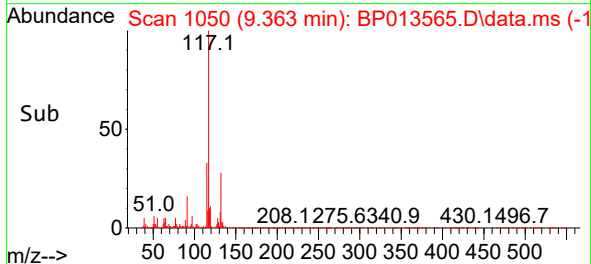
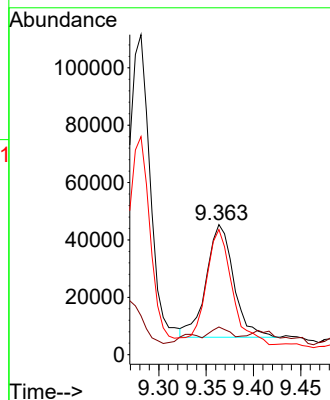
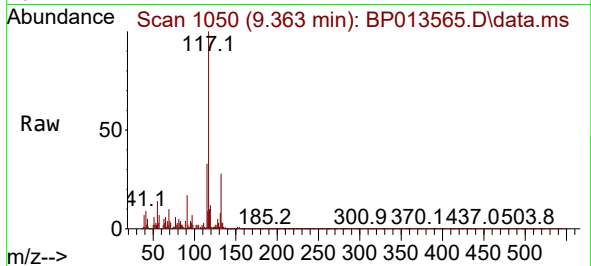




#24
Nitrobenzene
Concen: 4.998 ng
RT: 9.363 min Scan# 1050
Delta R.T. -0.012 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

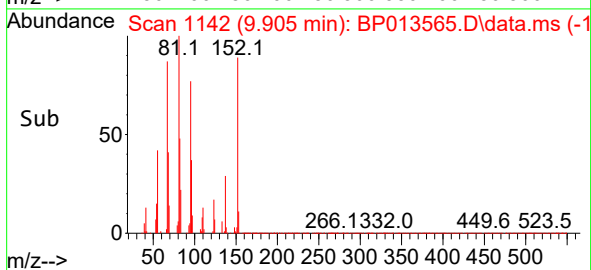
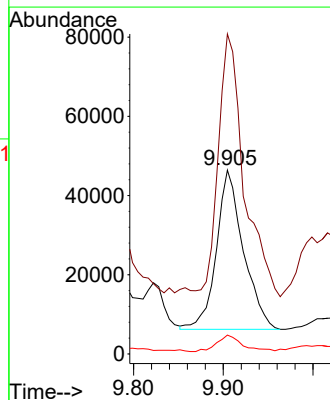
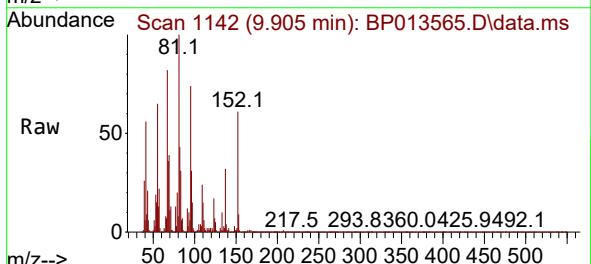
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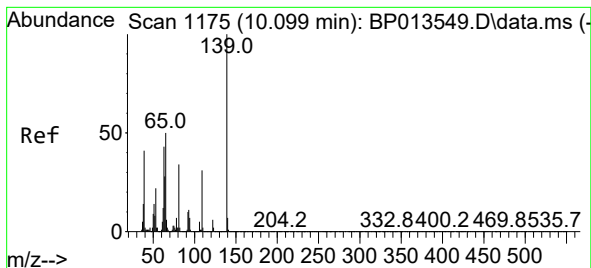
Tgt Ion: 77 Resp: 79182
Ion Ratio Lower Upper
77 100
123 21.3 37.2 55.8#
65 96.2 11.1 16.7#



#25
Isophorone
Concen: 2.404 ng
RT: 9.905 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

Tgt Ion: 82 Resp: 84020
Ion Ratio Lower Upper
82 100
95 174.0 5.8 8.8#
138 10.3 15.1 22.7#





#26

2-Nitrophenol

Concen: 3.907 ng

RT: 10.110 min Scan# 1175

Delta R.T. 0.018 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

Instrument :

BNA_P

ClientSampleId :

WC-38

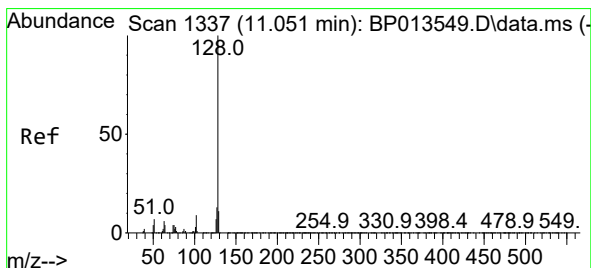
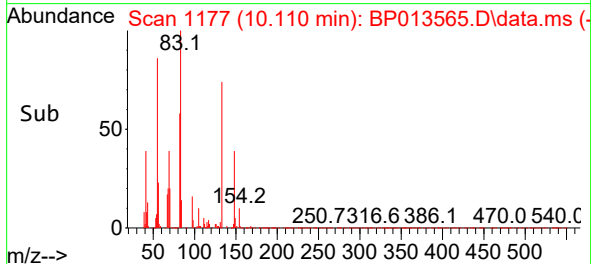
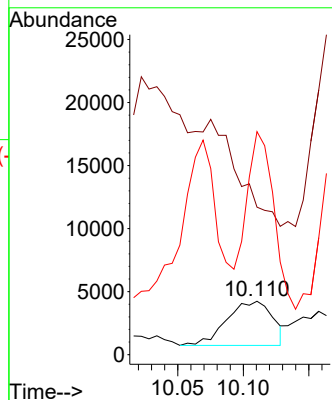
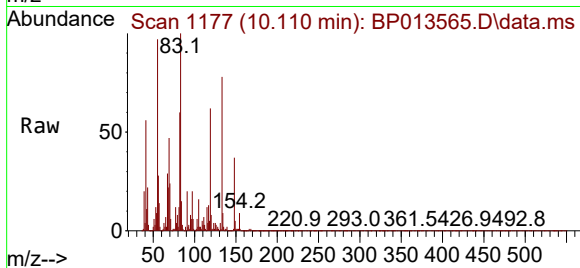
Tgt Ion:139 Resp: 8516

Ion Ratio Lower Upper

139 100

109 276.4 25.1 37.7#

65 417.7 40.1 60.1#



#31

Naphthalene

Concen: 43.276 ng

RT: 11.046 min Scan# 1336

Delta R.T. -0.000 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

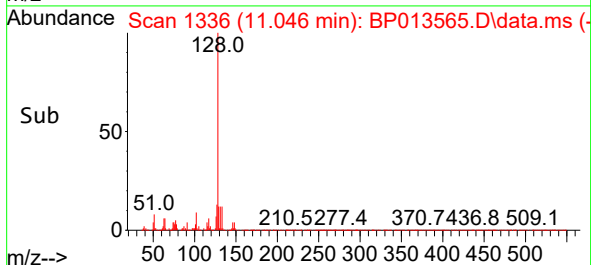
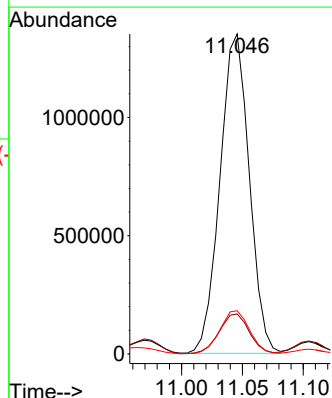
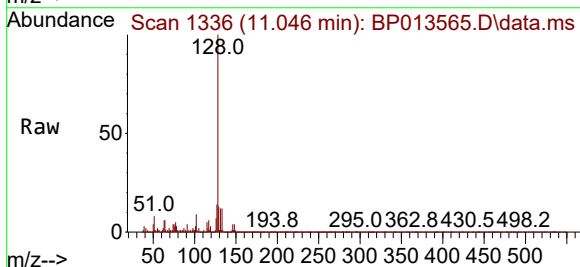
Tgt Ion:128 Resp: 2262982

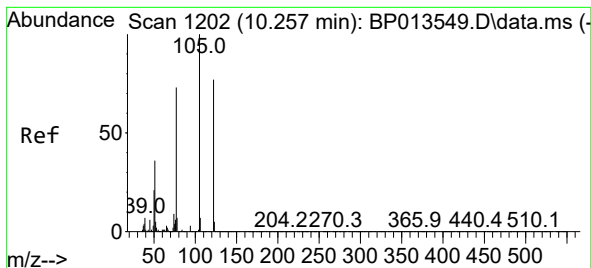
Ion Ratio Lower Upper

128 100

129 12.5 8.5 12.7

127 13.5 10.6 16.0





#32

Benzoic acid

Concen: 2.208 ng

RT: 10.316 min Scan# 11

Delta R.T. 0.047 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

Instrument :

BNA_P

ClientSampleId :

WC-38

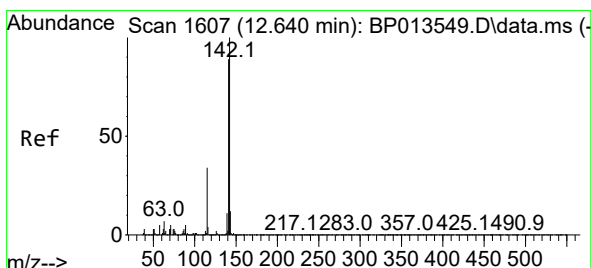
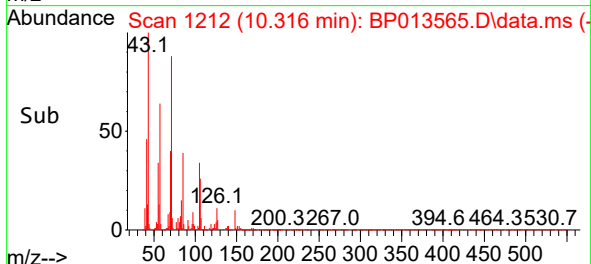
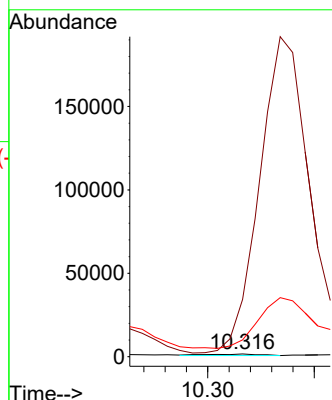
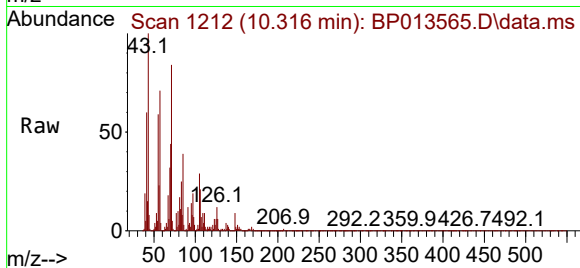
Tgt Ion:122 Resp: 1402

Ion Ratio Lower Upper

122 100

105 2141.0 100.5 140.5#

77 628.1 70.9 110.9#



#37

2-Methylnaphthalene

Concen: 34.998 ng

RT: 12.634 min Scan# 1606

Delta R.T. -0.006 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

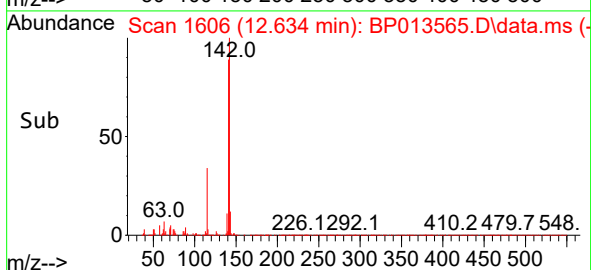
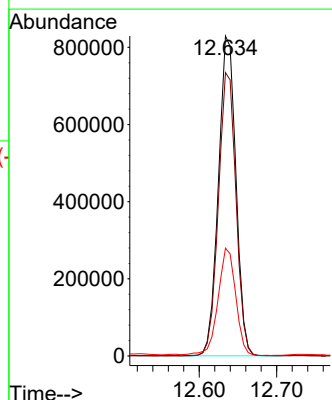
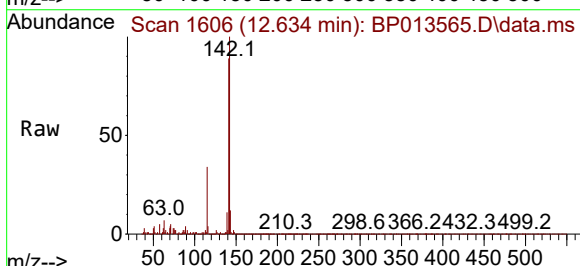
Tgt Ion:142 Resp: 1300841

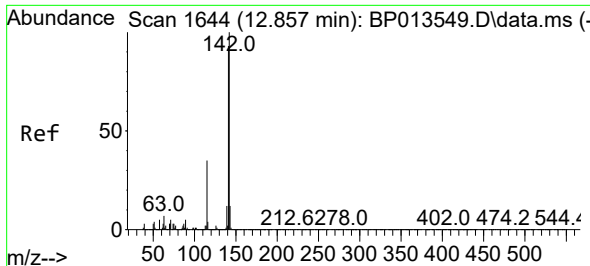
Ion Ratio Lower Upper

142 100

141 88.5 71.4 107.2

115 33.7 27.4 41.2

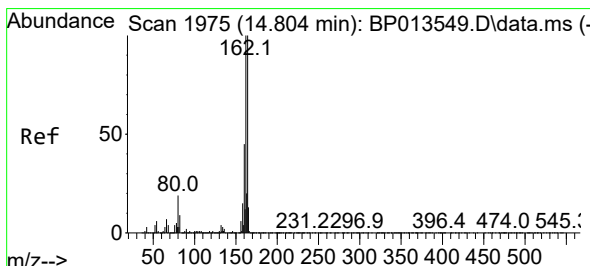
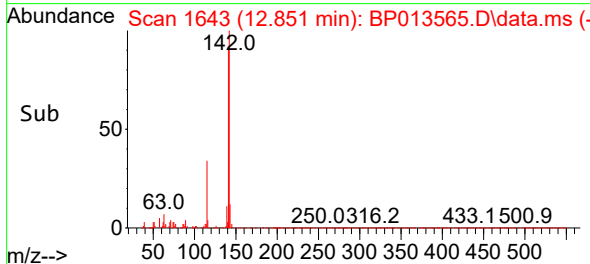
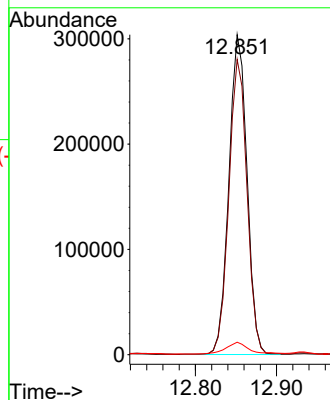
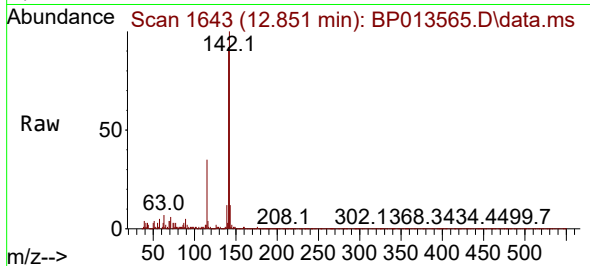




#38
1-Methylnaphthalene
Concen: 13.479 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

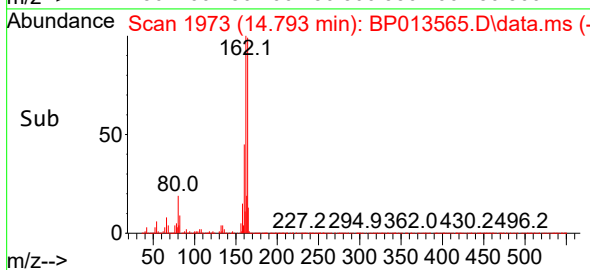
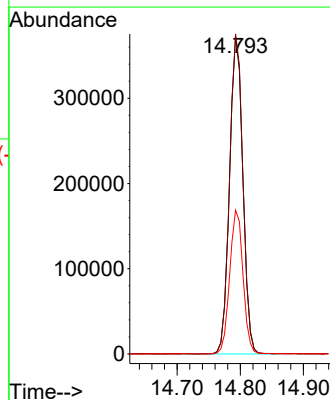
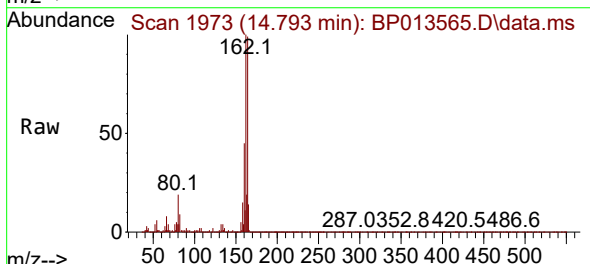
Instrument :
BNA_P
ClientSampleId :
WC-38

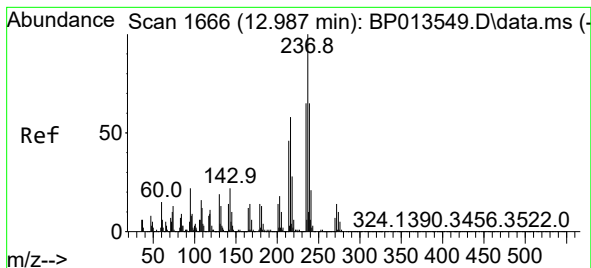
Tgt Ion:142 Resp: 470768
Ion Ratio Lower Upper
142 100
141 92.3 74.3 111.5
116 3.9 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.793 min Scan# 1973
Delta R.T. -0.006 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

Tgt Ion:164 Resp: 544889
Ion Ratio Lower Upper
164 100
162 100.8 80.1 120.1
160 45.3 35.9 53.9





#41

Hexachlorocyclopentadiene

Concen: 3.905 ng

RT: 12.840 min Scan# 1

Delta R.T. -0.141 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

Instrument :

BNA_P

ClientSampleId :

WC-38

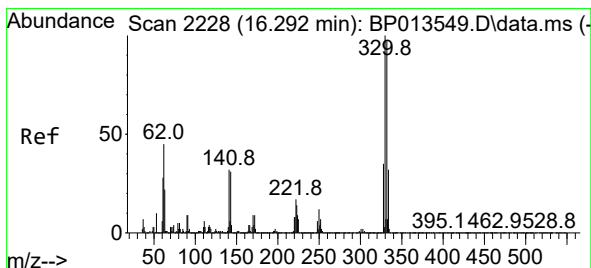
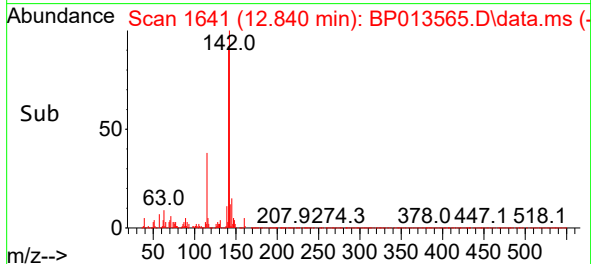
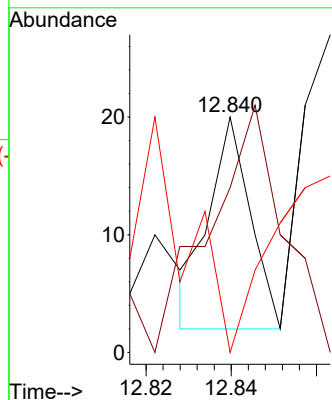
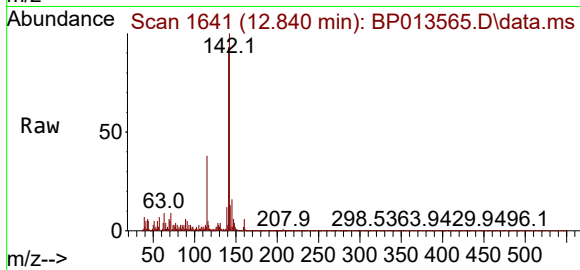
Tgt Ion:237 Resp: 12

Ion Ratio Lower Upper

237 100

235 70.0 44.6 84.6

272 0.0 0.0 33.9



#42

2,4,6-Tribromophenol

Concen: 130.649 ng

RT: 16.281 min Scan# 2226

Delta R.T. -0.006 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

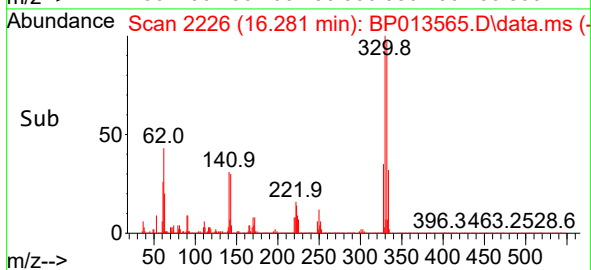
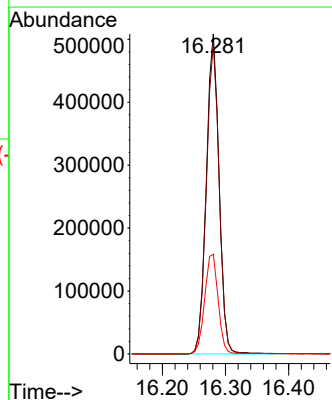
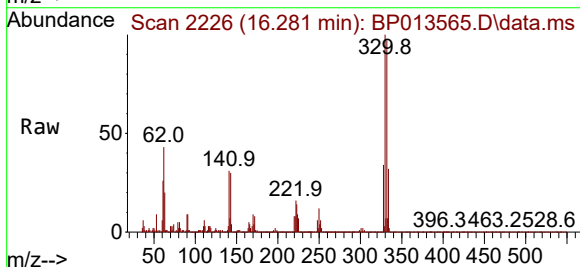
Tgt Ion:330 Resp: 714060

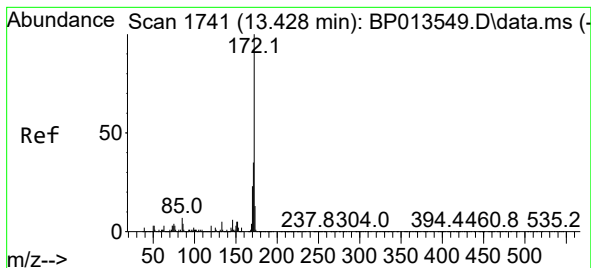
Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.2

141 32.6 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 66.761 ng

RT: 13.422 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

Instrument :

BNA_P

ClientSampleId :

WC-38

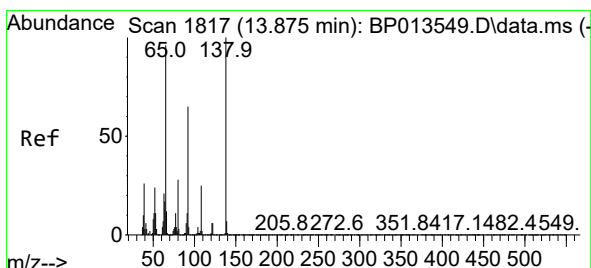
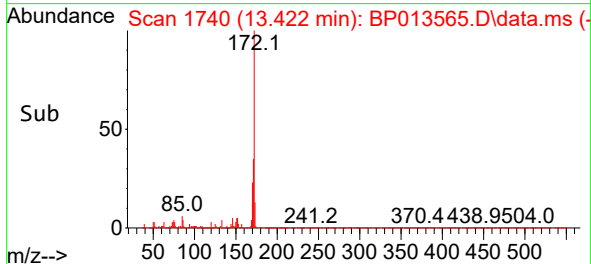
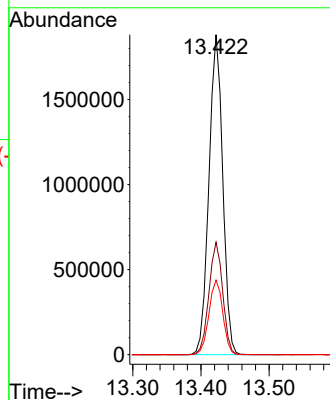
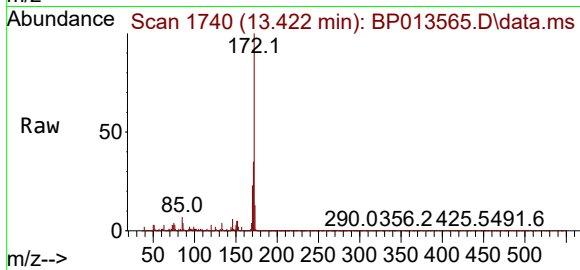
Tgt Ion:172 Resp: 2650143

Ion Ratio Lower Upper

172 100

171 35.2 27.8 41.8

170 23.3 18.6 27.8



#48

2-Nitroaniline

Concen: 6.248 ng

RT: 13.881 min Scan# 1818

Delta R.T. 0.006 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

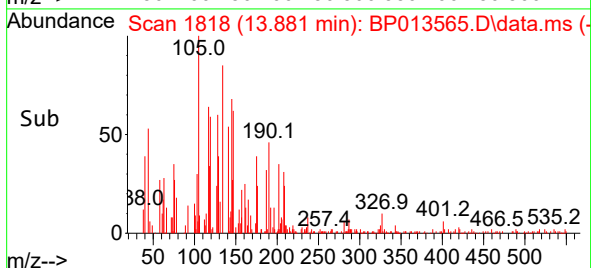
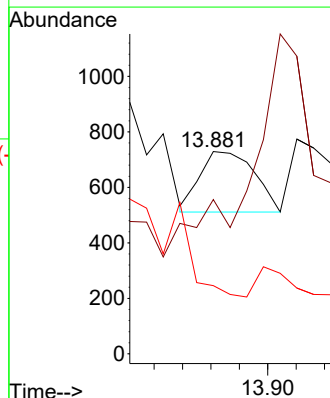
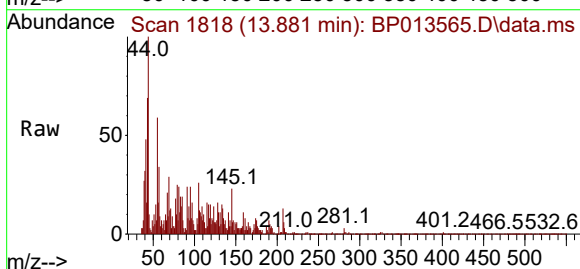
Tgt Ion: 65 Resp: 289

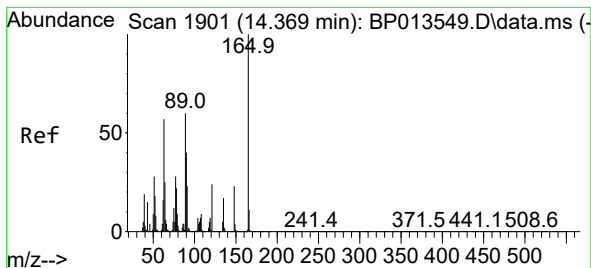
Ion Ratio Lower Upper

65 100

92 76.3 54.1 81.1

138 33.7 83.6 125.4#





#51

2,6-Dinitrotoluene

Concen: 5.168 ng

RT: 14.375 min Scan# 1901

Delta R.T. 0.012 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

Instrument :

BNA_P

ClientSampleId :

WC-38

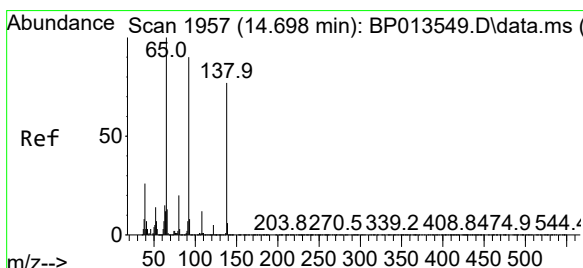
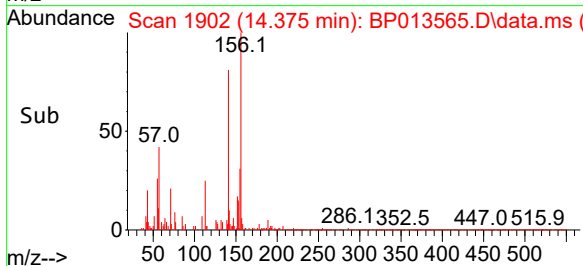
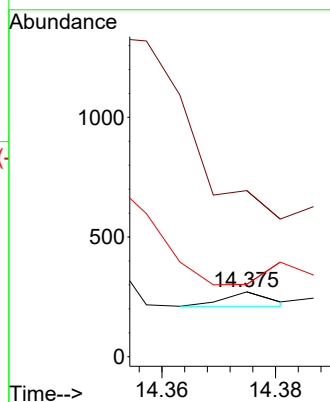
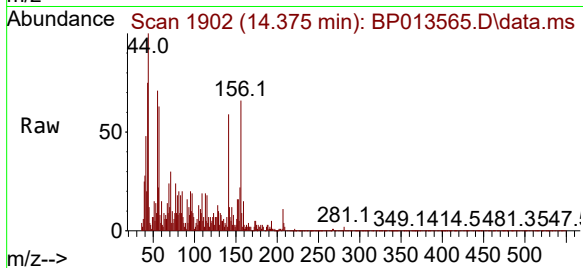
Tgt Ion:165 Resp: 34

Ion Ratio Lower Upper

165 100

63 256.1 47.2 70.8#

89 111.4 47.8 71.6#



#53

3-Nitroaniline

Concen: 5.456 ng

RT: 14.698 min Scan# 1957

Delta R.T. 0.006 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

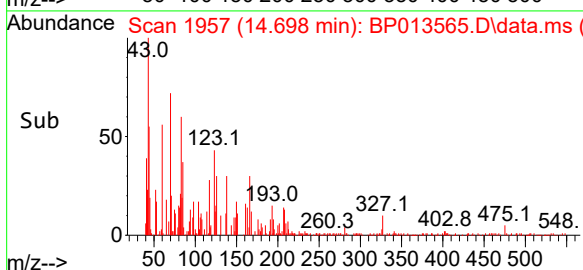
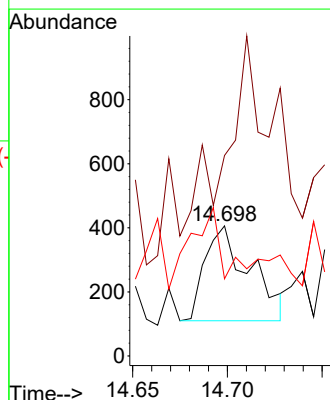
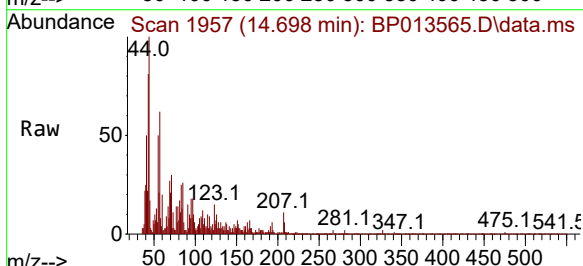
Tgt Ion:138 Resp: 487

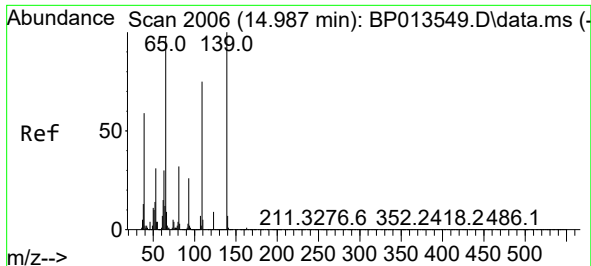
Ion Ratio Lower Upper

138 100

108 154.2 12.8 19.2#

92 59.4 93.3 139.9#

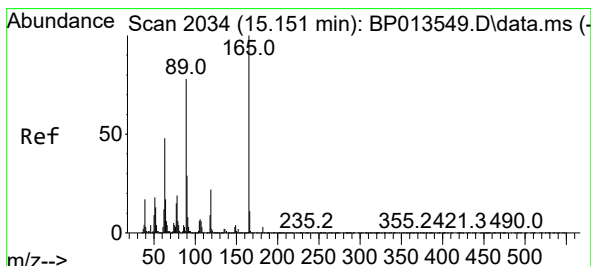
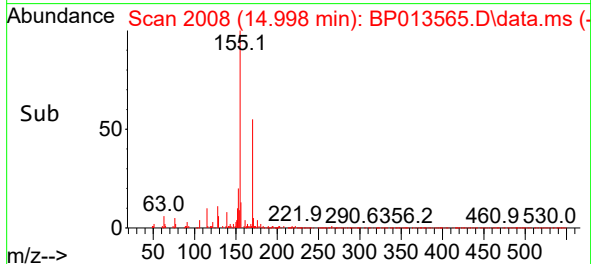
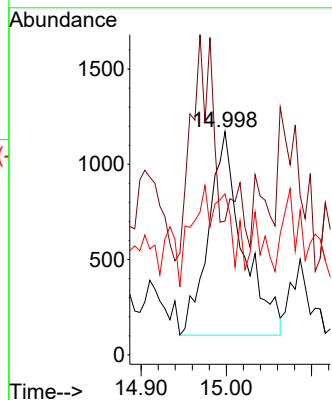
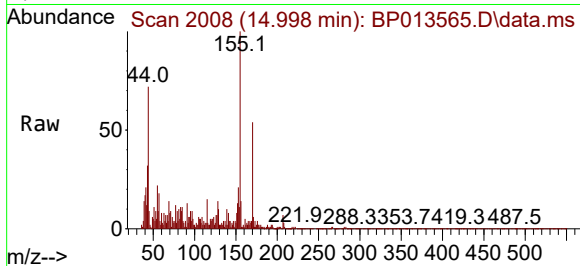




#56
4-Nitrophenol
Concen: 5.598 ng
RT: 14.998 min Scan# 2008
Delta R.T. 0.018 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

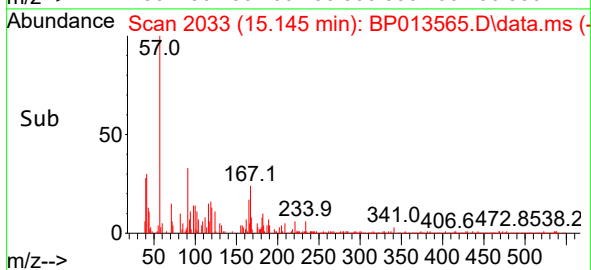
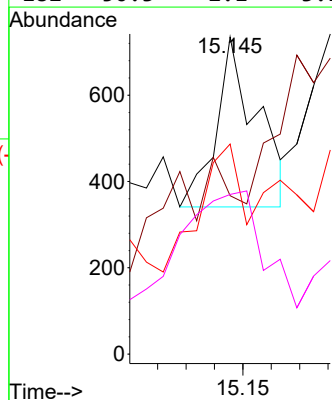
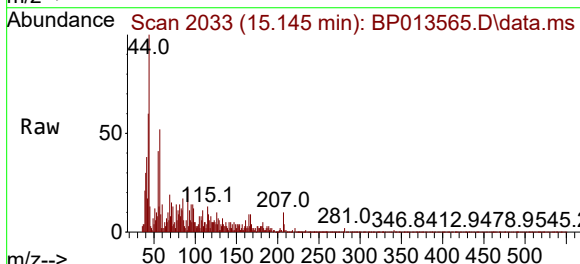
Instrument :
BNA_P
ClientSampleId :
WC-38

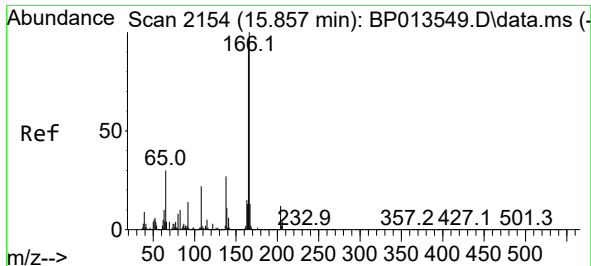
Tgt Ion:139 Resp: 2981
Ion Ratio Lower Upper
139 100
109 59.9 55.0 95.0
65 72.1 77.7 117.7#



#57
2,4-Dinitrotoluene
Concen: 5.231 ng
RT: 15.145 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

Tgt Ion:165 Resp: 394
Ion Ratio Lower Upper
165 100
63 49.9 38.3 57.5
89 66.3 62.1 93.1
182 50.3 2.1 3.1#

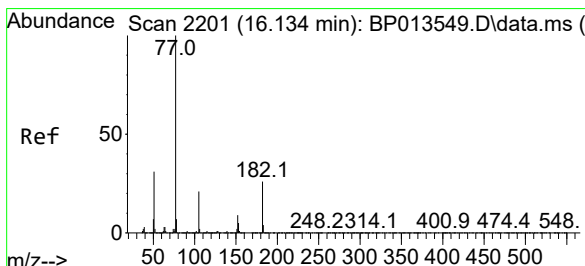
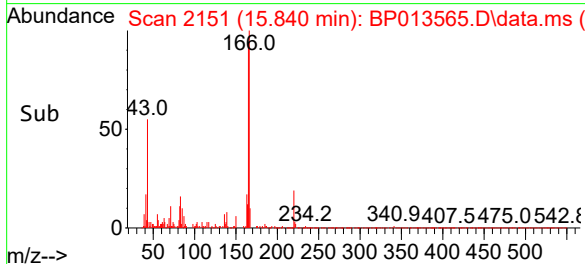
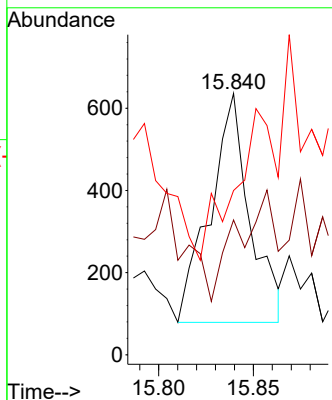
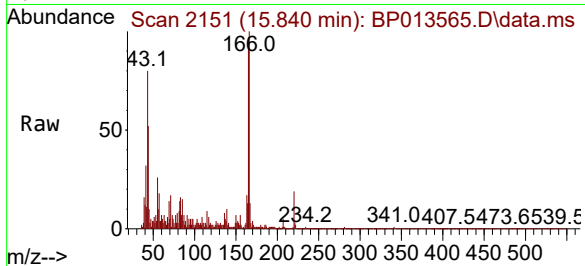




#62
4-Nitroaniline
Concen: 3.750 ng
RT: 15.840 min Scan# 2154
Delta R.T. -0.018 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

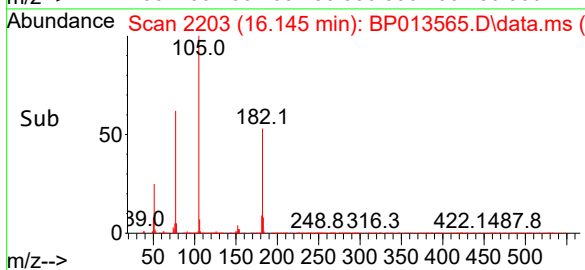
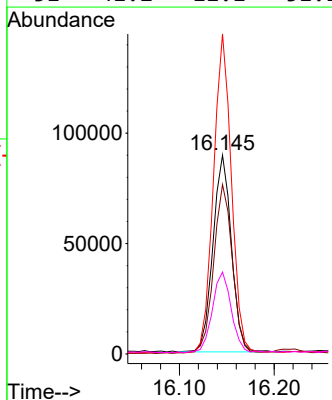
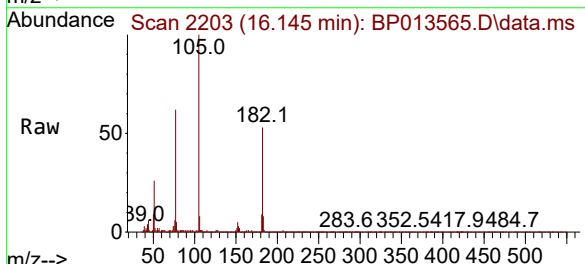
Instrument :
BNA_P
ClientSampleId :
WC-38

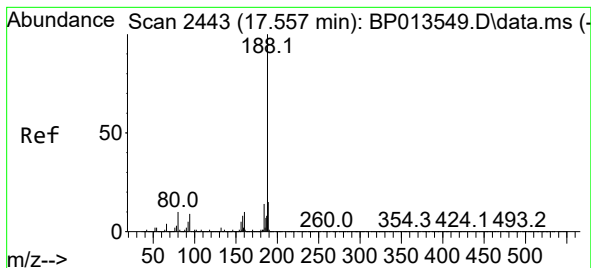
Tgt Ion:138 Resp: 814
Ion Ratio Lower Upper
138 100
92 51.6 32.3 72.3
108 62.9 59.2 99.2



#63
Azobenzene
Concen: 3.151 ng
RT: 16.145 min Scan# 2203
Delta R.T. 0.018 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

Tgt Ion: 77 Resp: 121117
Ion Ratio Lower Upper
77 100
182 85.2 5.5 45.5#
105 160.9 1.4 41.4#
51 41.2 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.545 min Scan# 24

Delta R.T. -0.006 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

Instrument :

BNA_P

ClientSampleId :

WC-38

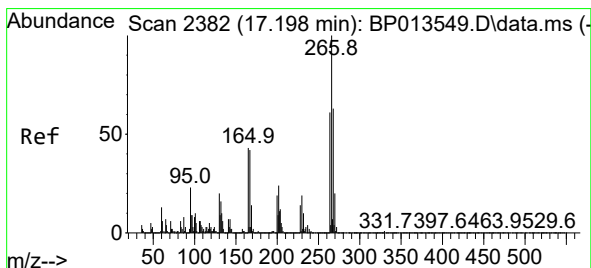
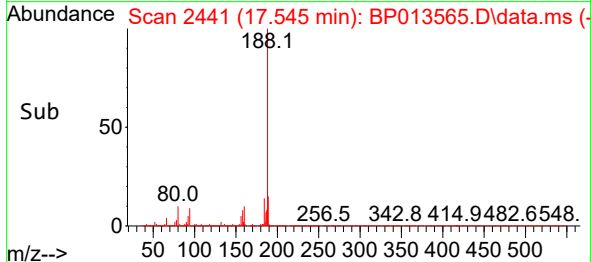
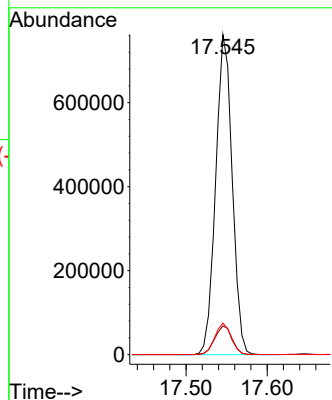
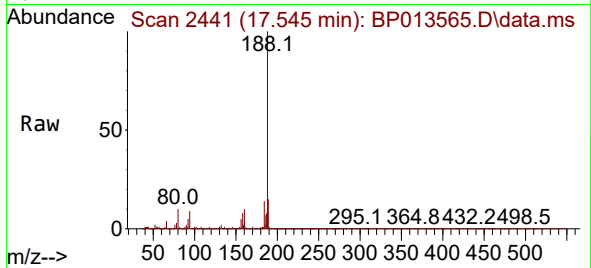
Tgt Ion:188 Resp: 1077804

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

80 9.9 8.2 12.2



#70

Pentachlorophenol

Concen: 5.330 ng

RT: 17.057 min Scan# 2358

Delta R.T. -0.135 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

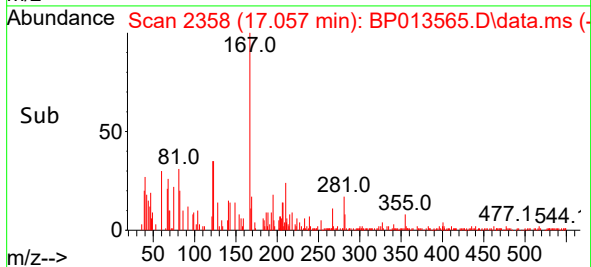
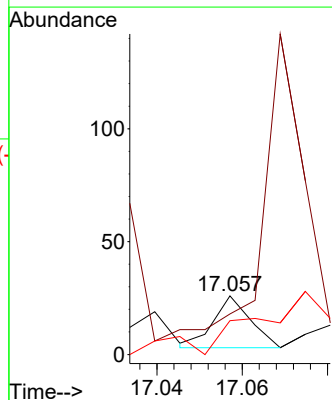
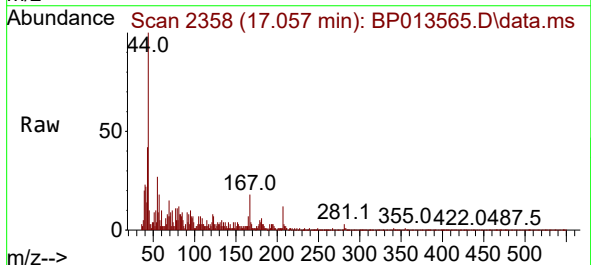
Tgt Ion:266 Resp: 14

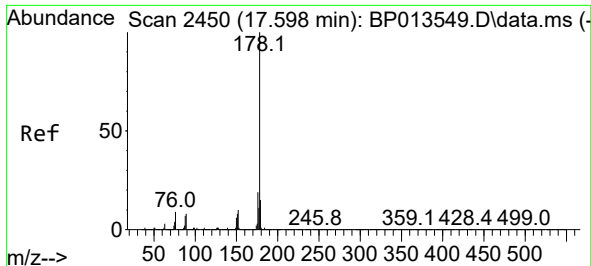
Ion Ratio Lower Upper

266 100

268 69.2 50.7 76.1

264 57.7 48.9 73.3

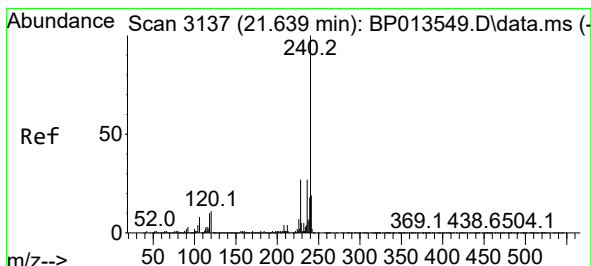
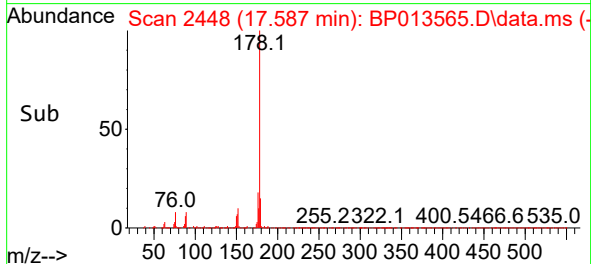
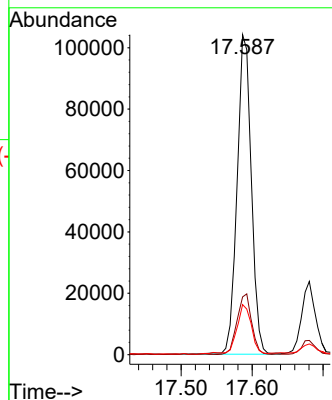
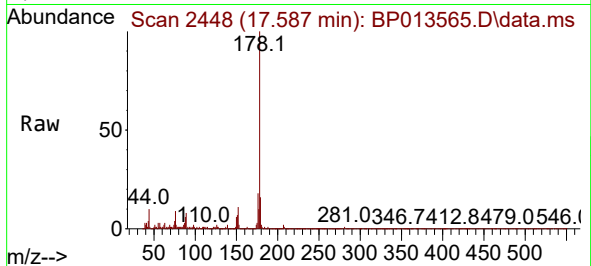




#71
Phenanthrene
Concen: 2.428 ng
RT: 17.587 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

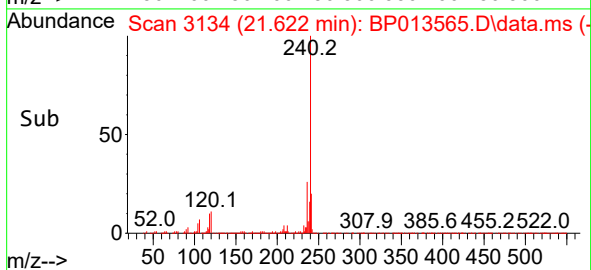
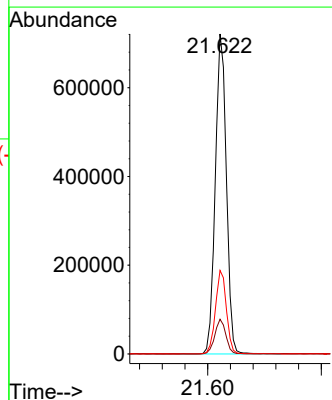
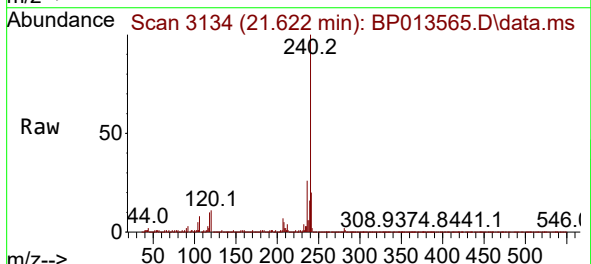
Instrument :
BNA_P
ClientSampleId :
WC-38

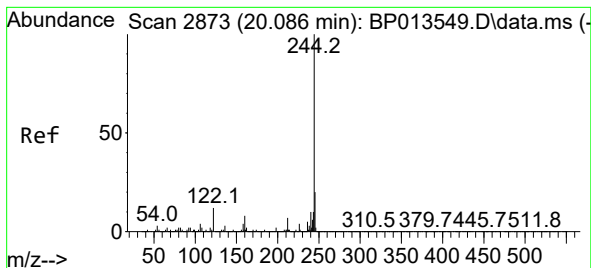
Tgt Ion:178 Resp: 145625
Ion Ratio Lower Upper
178 100
176 18.0 15.5 23.3
179 15.7 12.2 18.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BP013565.D
Acq: 24 Jan 2023 11:43

Tgt Ion:240 Resp: 971180
Ion Ratio Lower Upper
240 100
120 10.9 8.6 13.0
236 26.1 21.3 31.9





#79

Terphenyl-d14

Concen: 63.656 ng

RT: 20.081 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

Instrument :

BNA_P

ClientSampleId :

WC-38

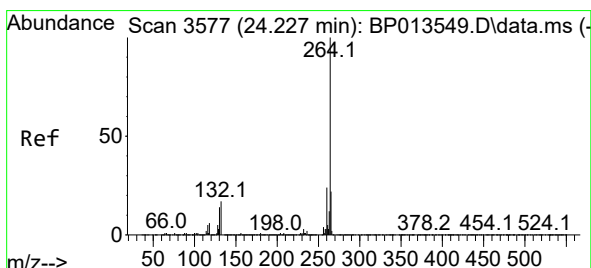
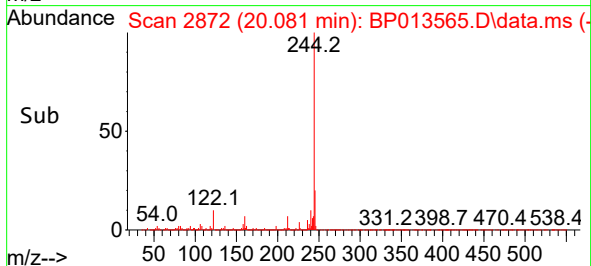
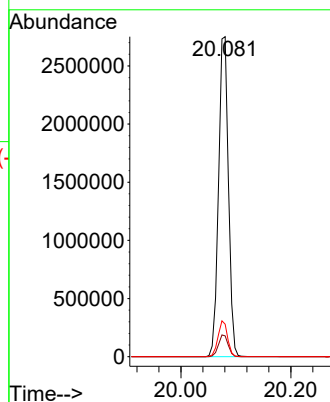
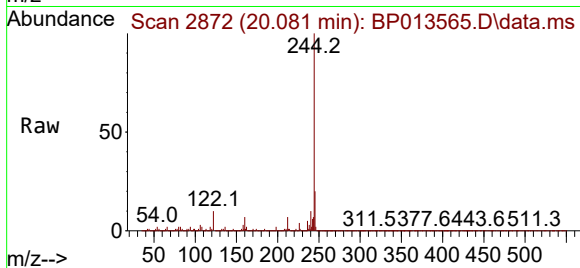
Tgt Ion:244 Resp: 3436443

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 10.1 9.2 13.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.210 min Scan# 3574

Delta R.T. -0.006 min

Lab File: BP013565.D

Acq: 24 Jan 2023 11:43

Tgt Ion:264 Resp: 1162665

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.4 17.4 26.2

