

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012725\
 Data File : BP023741.D
 Acq On : 27 Jan 2025 15:10
 Operator : RC/JU
 Sample : Q1174-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E2938

Quant Time: Jan 27 22:00:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012225.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 27 21:53:59 2025
 Response via : Initial Calibration

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

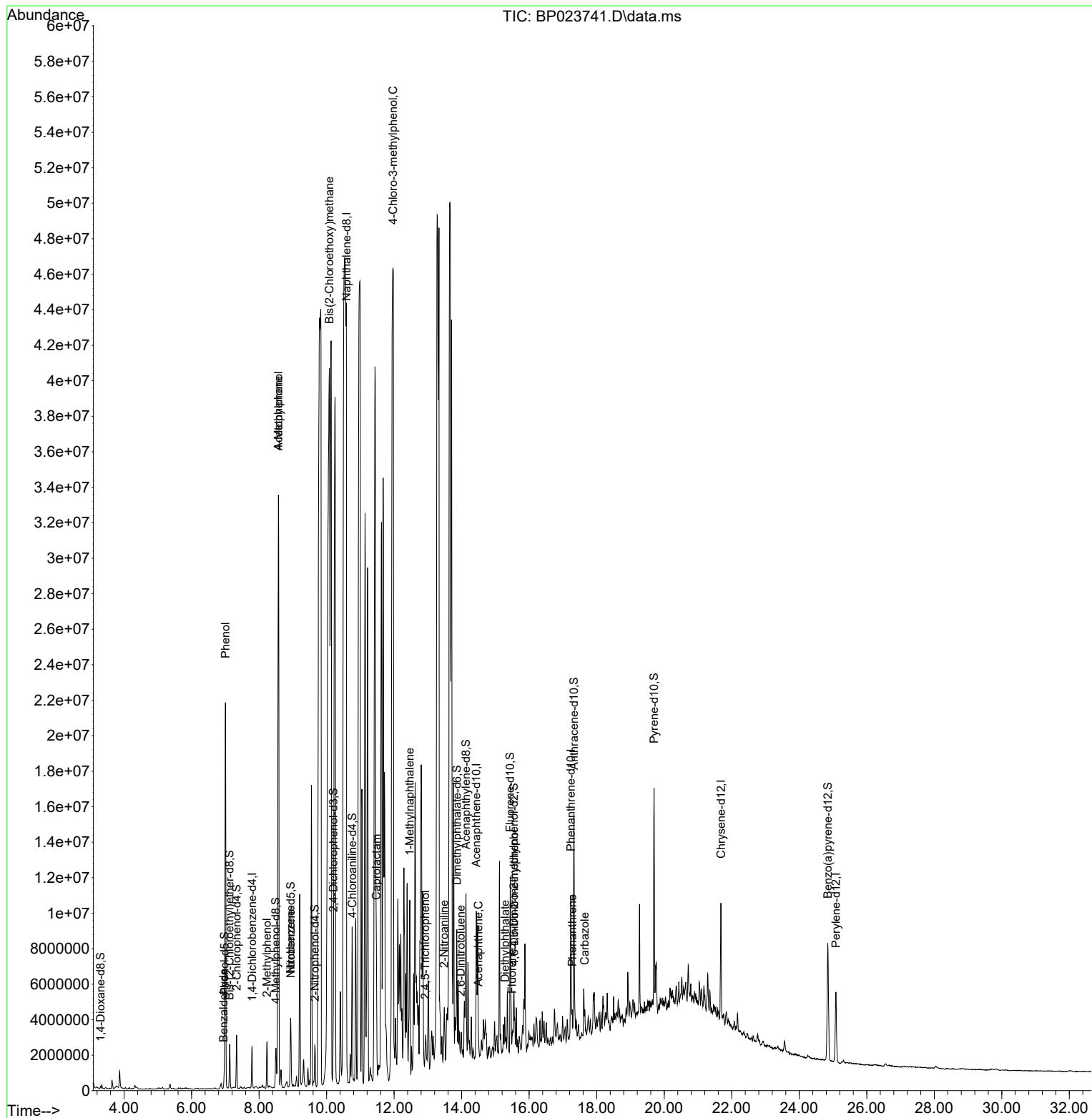
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	647239	20.000	ng/ul	0.00
20) Naphthalene-d8	10.587	136	4779880	20.000	ng/ul	# 0.02
38) Acenaphthene-d10	14.434	164	1903733	20.000	ng/ul	0.02
64) Phenanthrene-d10	17.233	188	3480059	20.000	ng/ul	0.02
79) Chrysene-d12	21.680	240	3548923	20.000	ng/ul	0.00
88) Perylene-d12	25.086	264	3770344	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.305	96	79164	4.926	ng/uL	0.00
4) Pyridine-d5	3.722	84	26098	0.563	ng/ul	0.02
7) Phenol-d5	6.975	99	595073	10.866	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.128	67	993713	32.123	ng/ul	0.00
11) 2-Chlorophenol-d4	7.334	132	1398255	33.583	ng/ul	0.00
15) 4-Methylphenol-d8	8.499	113	1087750	25.258	ng/ul	0.02
21) Nitrobenzene-d5	8.940	128	783924	21.768	ng/ul	0.01
24) 2-Nitrophenol-d4	9.651	143	877555	26.579	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.204	165	1452767	20.933	ng/ul	0.02
31) 4-Chloroaniline-d4	10.763	131	753819	6.792	ng/ul	0.07
46) Dimethylphthalate-d6	13.857	166	4689939	34.255	ng/ul	0.04
49) Acenaphthylene-d8	14.128	160	5378457	33.943	ng/ul	0.02
54) 4-Nitrophenol-d4	14.581	143	1868	0.068	ng/ul	-0.01
60) Fluorene-d10	15.439	176	3988769	34.035	ng/ul	0.02
65) 4,6-Dinitro-2-methylph...	15.551	200	774509	45.194	ng/ul	0.02
73) Anthracene-d10	17.328	188	6247998	37.397	ng/ul	0.00
81) Pyrene-d10	19.698	212	6995529	38.738	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.845	264	7127422	37.768	ng/ul	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.946	77	27942	1.015	ng/ul	94
8) Phenol	7.005	94	15338306	267.653	ng/ul	99
13) 2-Methylphenol	8.234	108	960797	23.104	ng/ul	97
16) Acetophenone	8.575	105	170223	2.461	ng/ul#	1
18) 4-Methylphenol	8.575	108	17563535	379.852	ng/ul	88
22) Nitrobenzene	8.934	77	93926	1.116	ng/ul#	1
27) Bis(2-Chloroethoxy)met...	10.081	93	1136010	10.955	ng/ul#	1
34) Caprolactam	11.475	113	42115	1.600	ng/ul#	1
35) 4-Chloro-3-methylphenol	11.969	107	25046852	337.004	ng/ul#	18
37) 1-Methylnaphthalene	12.463	142	273582	1.576	ng/ul#	95
42) 2,4,5-Trichlorophenol	12.922	196	209771	5.713	ng/ul	100
45) 2-Nitroaniline	13.481	65	75420	2.848	ng/ul#	56
48) 2,6-Dinitrotoluene	13.975	165	50213	2.048	ng/ul#	1
52) Acenaphthene	14.498	153	371483	3.058	ng/ul#	77
59) Diethylphthalate	15.286	149	271749	2.010	ng/ul#	81
61) Fluorene	15.492	166	162069	1.164	ng/ul#	93
66) 4,6-Dinitro-2-methylph...	15.557	198	25920	1.345	ng/ul#	1
72) Phenanthrene	17.275	178	432687	2.201	ng/ul#	93
77) Carbazole	17.645	167	730345	4.258	ng/ul#	96

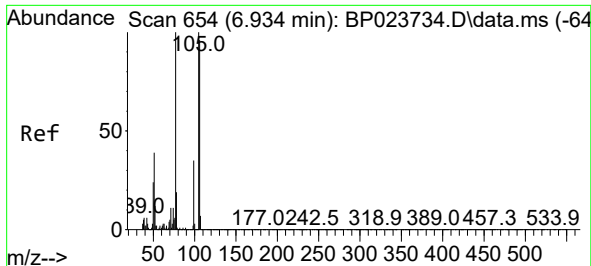
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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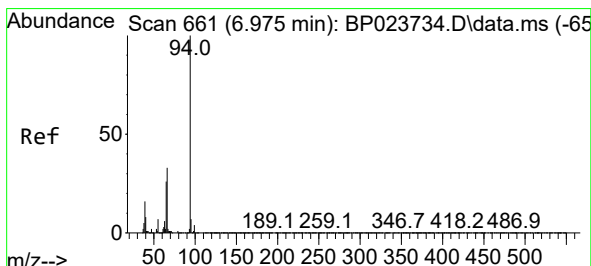
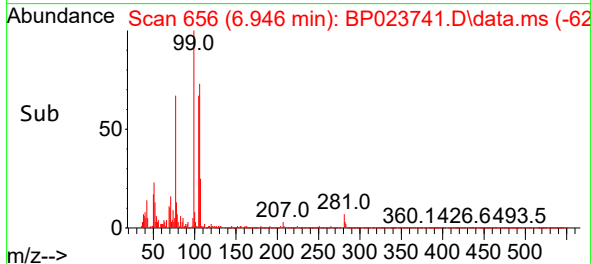
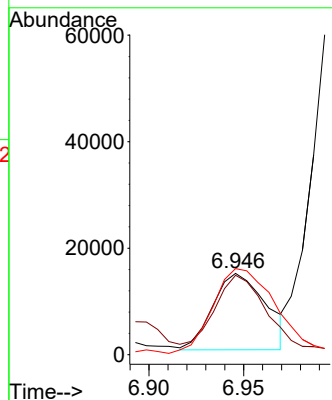
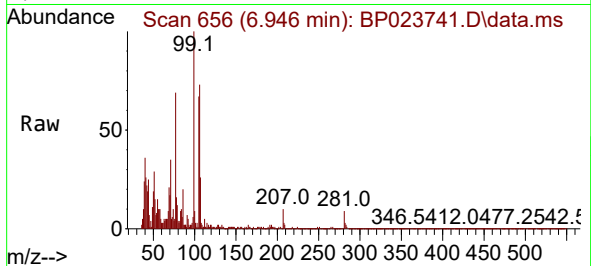




#6
Benzaldehyde
Concen: 1.015 ng/ul
RT: 6.946 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP023741.D
Acq: 27 Jan 2025 15:10

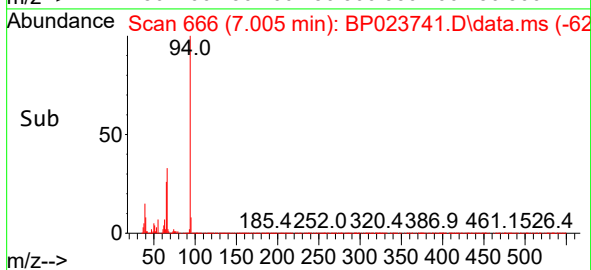
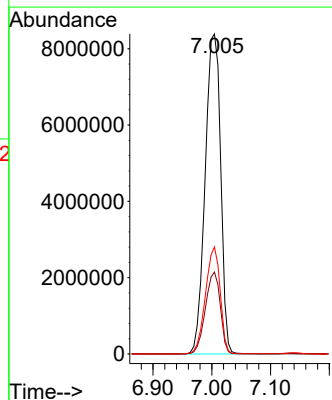
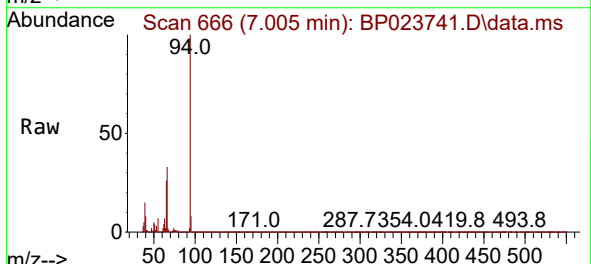
Instrument :
BNA_P
ClientSampleId :
E2938

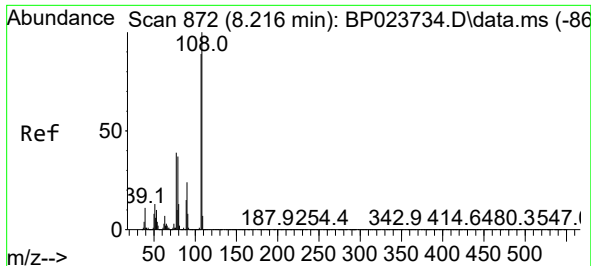
Tgt Ion: 77 Resp: 27942
Ion Ratio Lower Upper
77 100
105 97.6 81.0 121.6
106 105.9 78.6 118.0



#8
Phenol
Concen: 267.653 ng/ul
RT: 7.005 min Scan# 666
Delta R.T. 0.029 min
Lab File: BP023741.D
Acq: 27 Jan 2025 15:10

Tgt Ion: 94 Resp:15338306
Ion Ratio Lower Upper
94 100
65 25.6 20.2 30.2
66 33.5 26.0 39.0

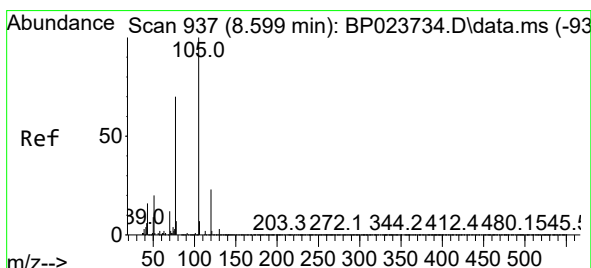
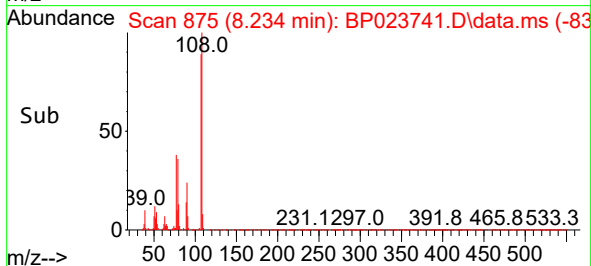
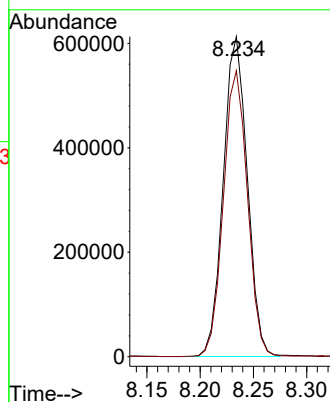
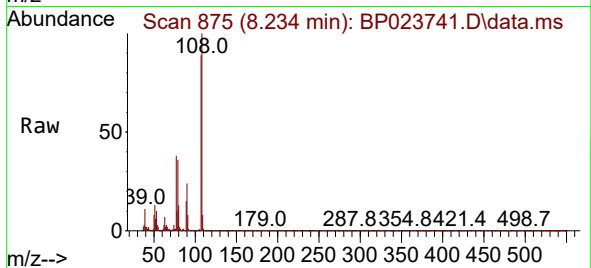




#13
2-Methylphenol
Concen: 23.104 ng/ul
RT: 8.234 min Scan# 81
Delta R.T. 0.018 min
Lab File: BP023741.D
Acq: 27 Jan 2025 15:10

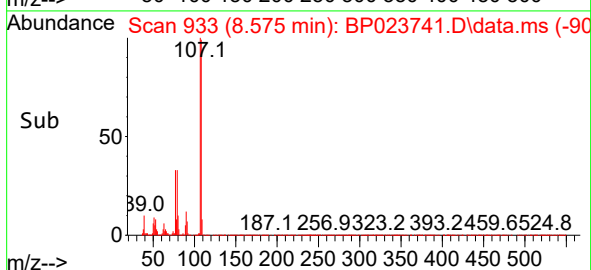
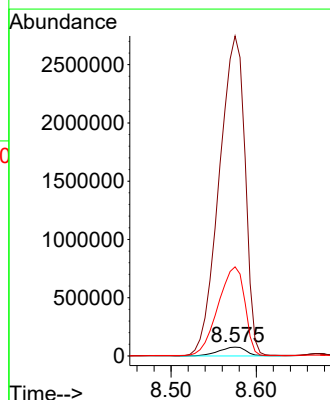
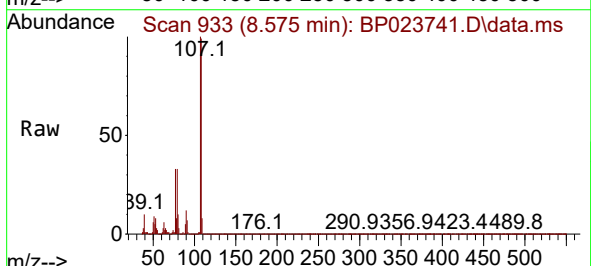
Instrument :
BNA_P
ClientSampleId :
E2938

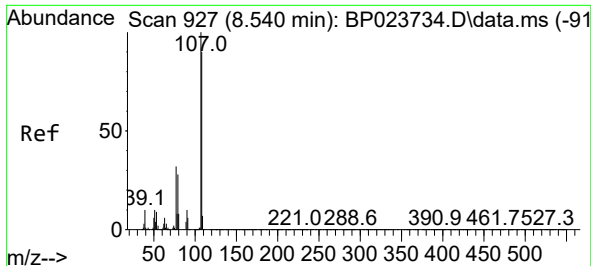
Tgt Ion:108 Resp: 960797
Ion Ratio Lower Upper
108 100
107 89.3 69.6 104.4



#16
Acetophenone
Concen: 2.461 ng/ul
RT: 8.575 min Scan# 933
Delta R.T. -0.024 min
Lab File: BP023741.D
Acq: 27 Jan 2025 15:10

Tgt Ion:105 Resp: 170223
Ion Ratio Lower Upper
105 100
77 3629.7 58.1 87.1#
51 1010.7 16.4 24.6#

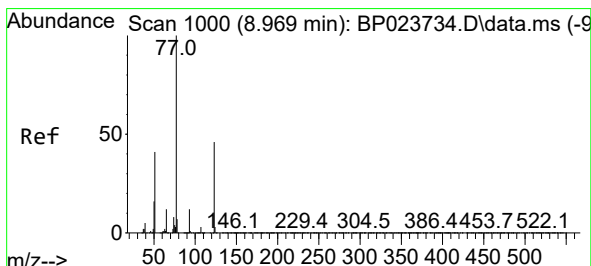
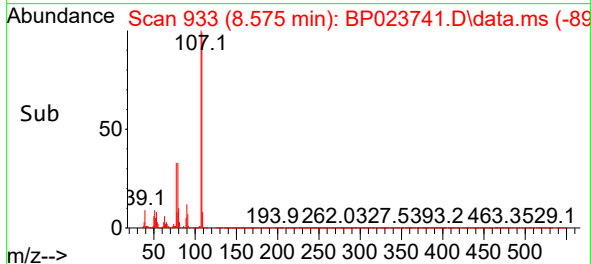
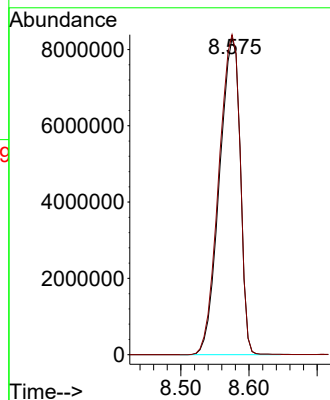
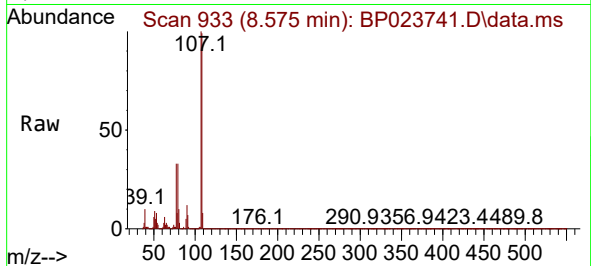




#18
4-Methylphenol
Concen: 379.852 ng/ul
RT: 8.575 min Scan# 911
Delta R.T. 0.035 min
Lab File: BP023741.D
Acq: 27 Jan 2025 15:10

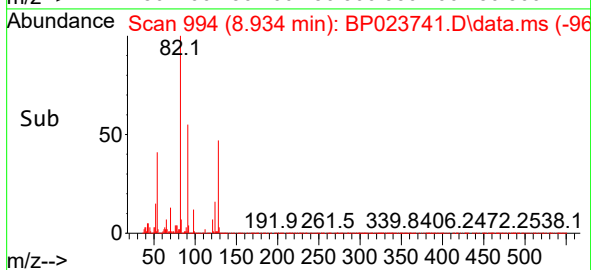
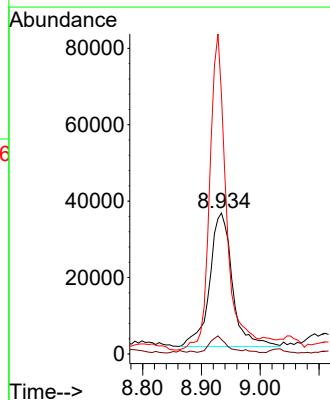
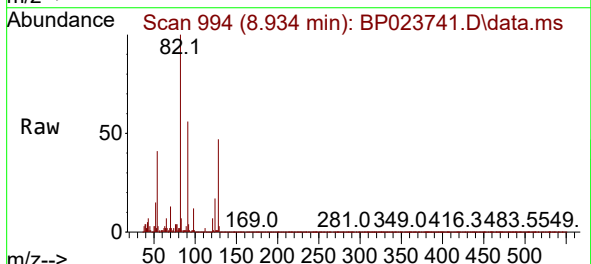
Instrument :
BNA_P
ClientSampleId :
E2938

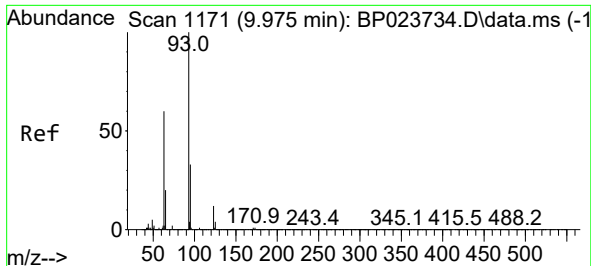
Tgt Ion:108 Resp:17563535
Ion Ratio Lower Upper
108 100
107 101.1 91.2 136.8



#22
Nitrobenzene
Concen: 1.116 ng/ul
RT: 8.934 min Scan# 994
Delta R.T. -0.035 min
Lab File: BP023741.D
Acq: 27 Jan 2025 15:10

Tgt Ion: 77 Resp: 93926
Ion Ratio Lower Upper
77 100
123 10.3 38.0 57.0#
65 183.6 9.8 14.6#





#27

Bis(2-Chloroethoxy)methane

Concen: 10.955 ng/ul

RT: 10.081 min Scan# 1189

Delta R.T. 0.106 min

Lab File: BP023741.D

Acq: 27 Jan 2025 15:10

Instrument :

BNA_P

ClientSampleId :

E2938

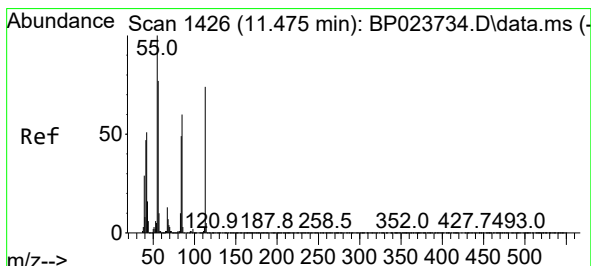
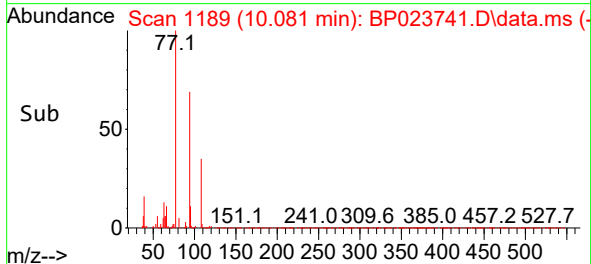
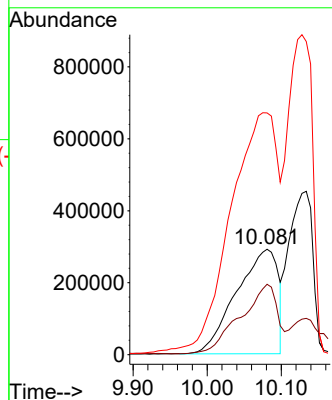
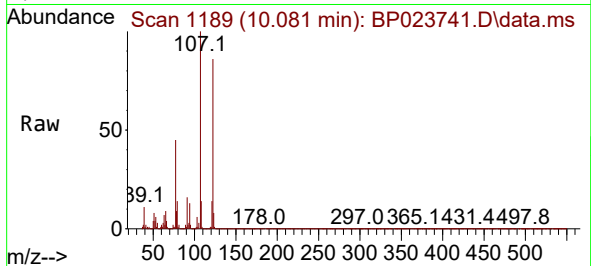
Tgt Ion: 93 Resp: 1136010

Ion Ratio Lower Upper

93 100

95 66.9 25.8 38.8#

123 229.4 9.4 14.2#



#34

Caprolactam

Concen: 1.600 ng/ul

RT: 11.475 min Scan# 1426

Delta R.T. -0.000 min

Lab File: BP023741.D

Acq: 27 Jan 2025 15:10

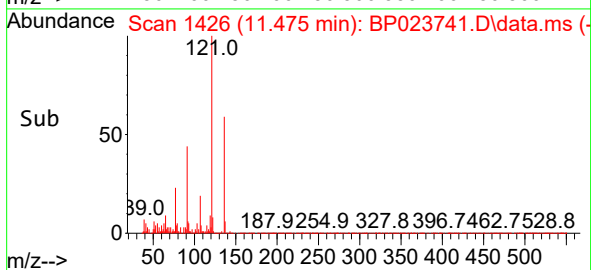
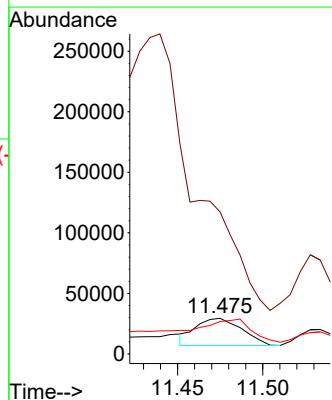
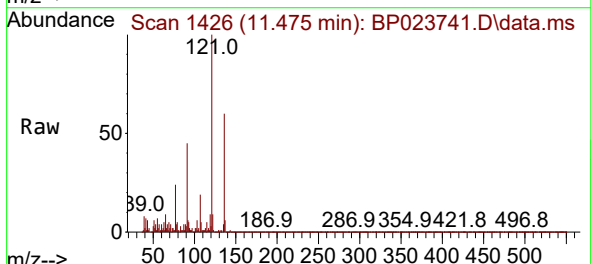
Tgt Ion:113 Resp: 42115

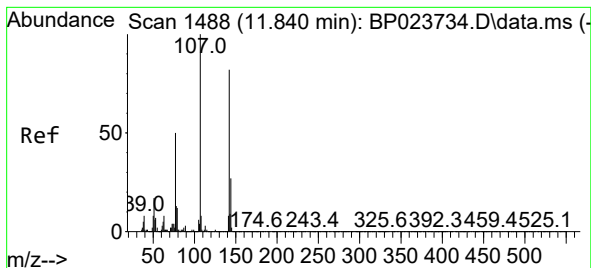
Ion Ratio Lower Upper

113 100

55 398.6 105.8 158.6#

56 91.0 79.3 118.9





#35

4-Chloro-3-methylphenol

Concen: 337.004 ng/ul

RT: 11.969 min Scan# 1

Delta R.T. 0.129 min

Lab File: BP023741.D

Acq: 27 Jan 2025 15:10

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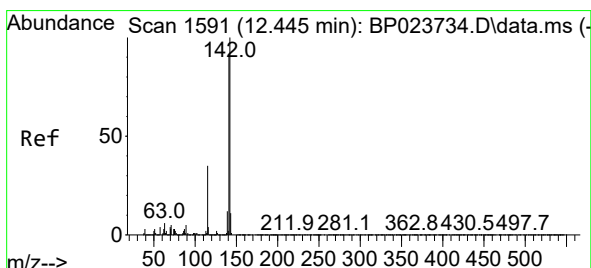
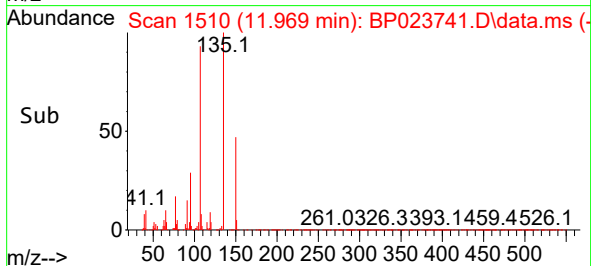
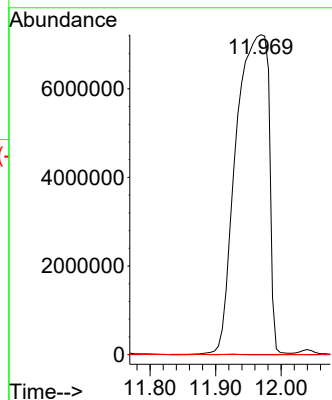
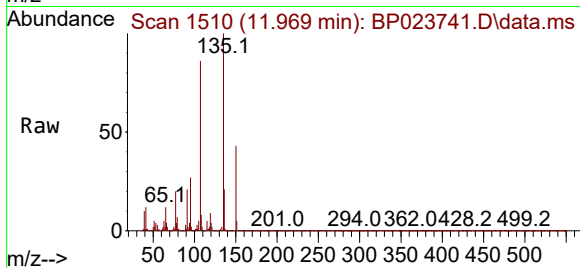
Tgt Ion:107 Resp:25046852

Ion Ratio Lower Upper

107 100

144 0.0 21.3 31.9#

142 0.0 65.5 98.3#



#37

1-Methylnaphthalene

Concen: 1.576 ng/ul

RT: 12.463 min Scan# 1594

Delta R.T. 0.018 min

Lab File: BP023741.D

Acq: 27 Jan 2025 15:10

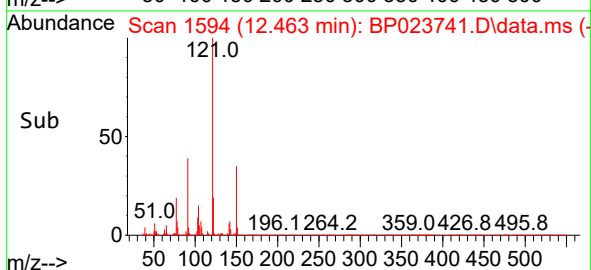
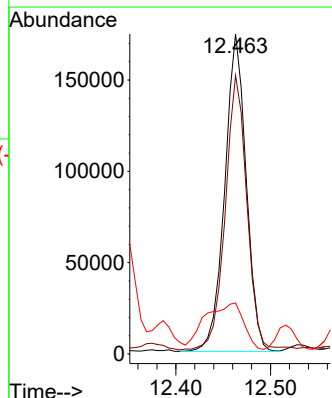
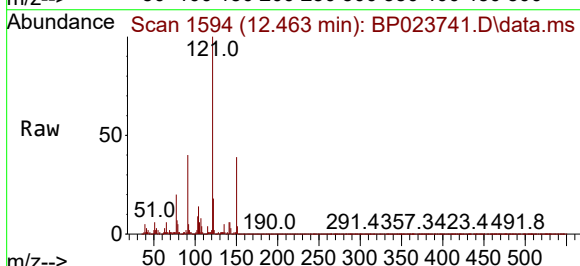
Tgt Ion:142 Resp: 273582

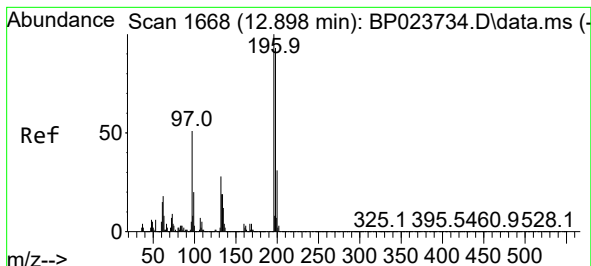
Ion Ratio Lower Upper

142 100

141 87.1 72.1 108.1

116 15.9 2.9 4.3#





#42

2,4,5-Trichlorophenol

Concen: 5.713 ng/ul

RT: 12.922 min Scan# 1

Delta R.T. 0.024 min

Lab File: BP023741.D

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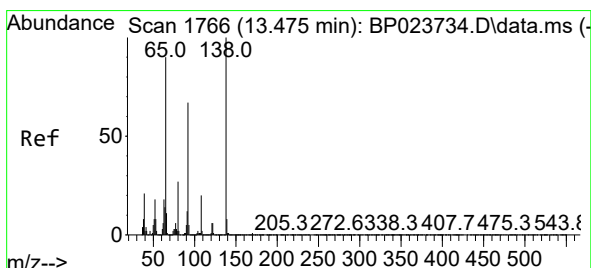
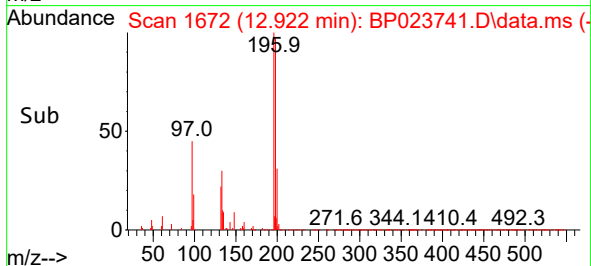
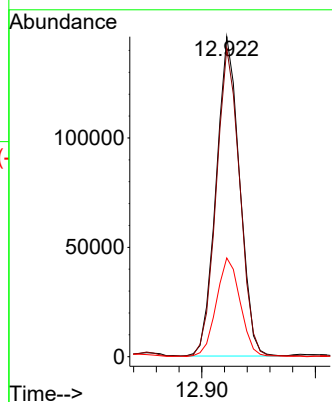
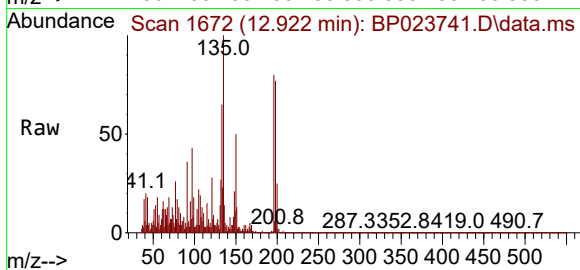
Tgt Ion:196 Resp: 209771

Ion Ratio Lower Upper

196 100

198 96.5 77.4 116.2

200 30.9 25.0 37.4



#45

2-Nitroaniline

Concen: 2.848 ng/ul

RT: 13.481 min Scan# 1767

Delta R.T. 0.006 min

Lab File: BP023741.D

Acq: 27 Jan 2025 15:10

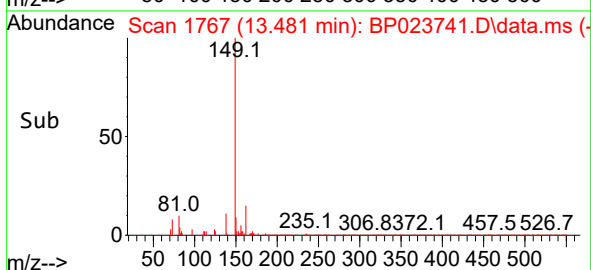
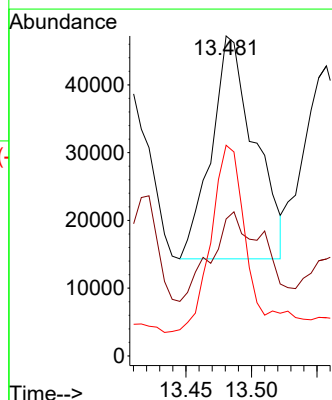
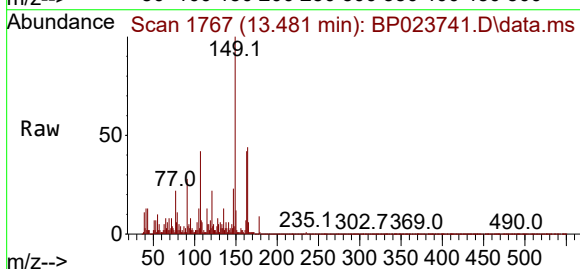
Tgt Ion: 65 Resp: 75420

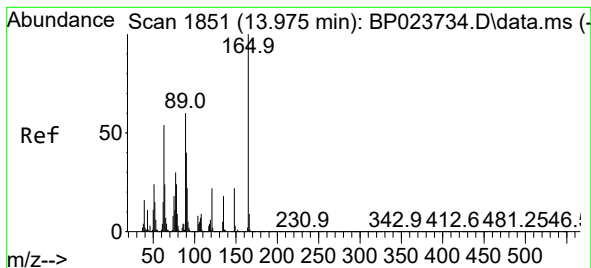
Ion Ratio Lower Upper

65 100

92 42.8 61.0 91.4#

138 65.9 94.2 141.2#





#48

2,6-Dinitrotoluene

Concen: 2.048 ng/ul

RT: 13.975 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP023741.D

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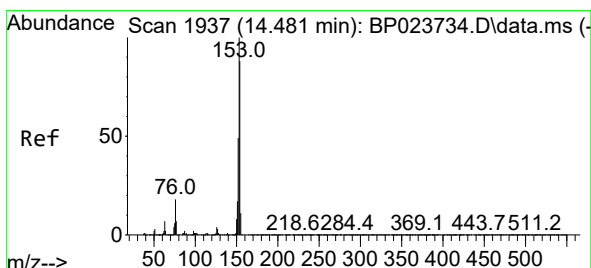
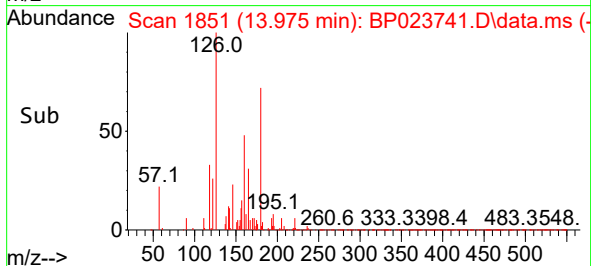
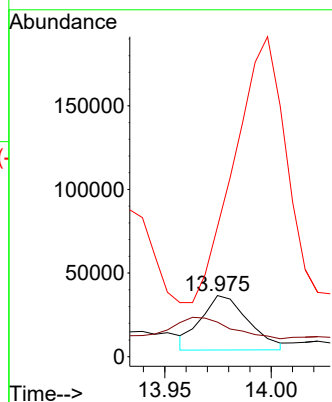
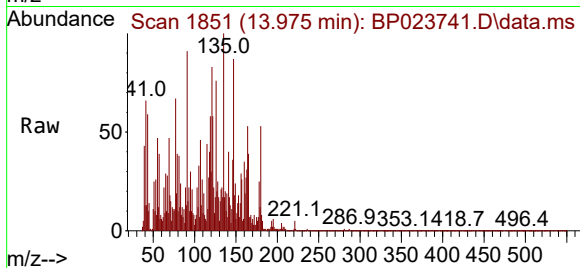
Tgt Ion:165 Resp: 50213

Ion Ratio Lower Upper

165 100

89 56.5 44.8 67.2

121 212.4 17.0 25.4#



#52

Acenaphthene

Concen: 3.058 ng/ul

RT: 14.498 min Scan# 1940

Delta R.T. 0.018 min

Lab File: BP023741.D

Acq: 27 Jan 2025 15:10

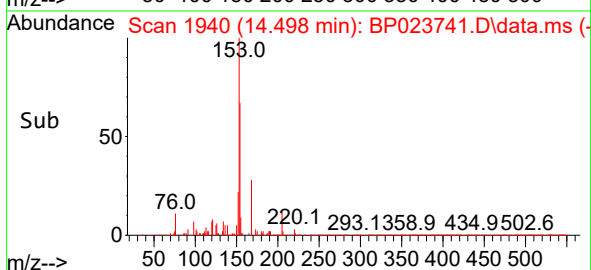
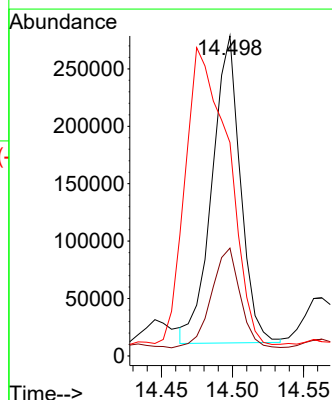
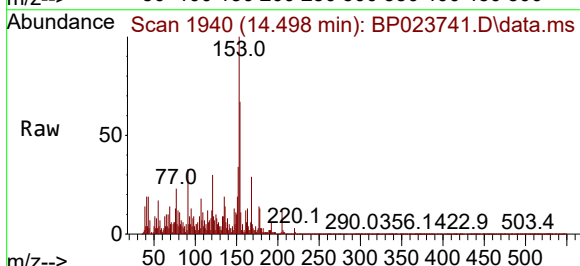
Tgt Ion:153 Resp: 371483

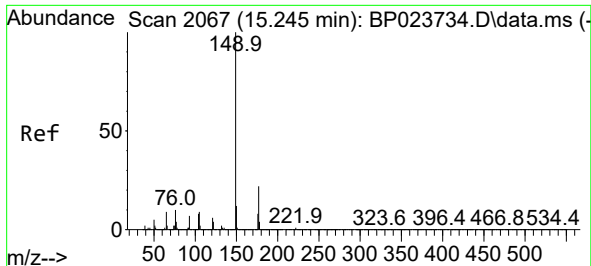
Ion Ratio Lower Upper

153 100

152 33.7 39.1 58.7#

154 66.7 71.4 107.0#

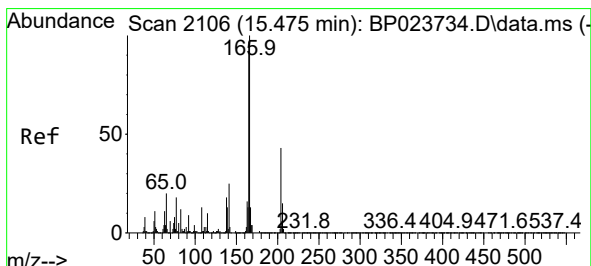
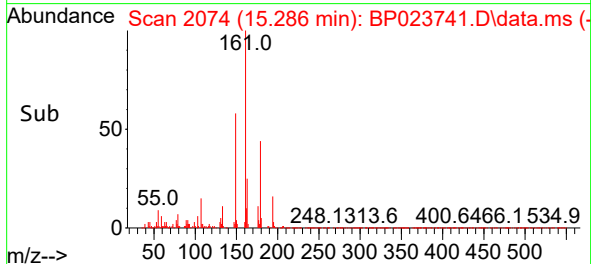
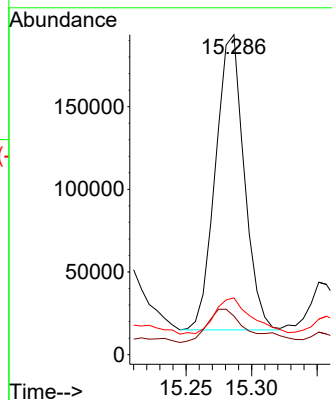
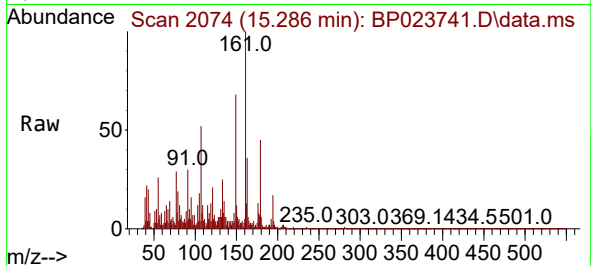




#59
Diethylphthalate
Concen: 2.010 ng/ul
RT: 15.286 min Scan# 20
Delta R.T. 0.041 min
Lab File: BP023741.D
Acq: 27 Jan 2025 15:10

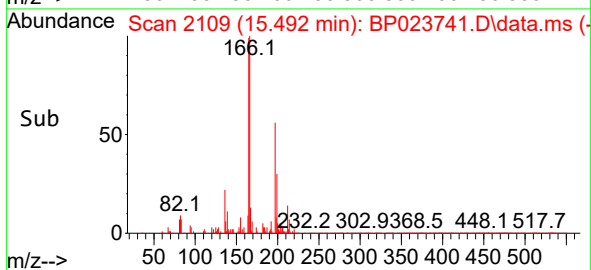
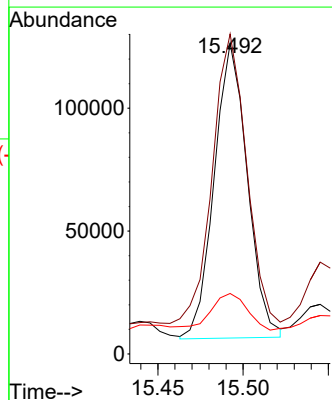
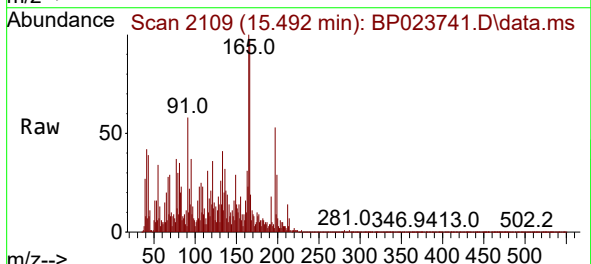
Instrument :
BNA_P
ClientSampleId :
E2938

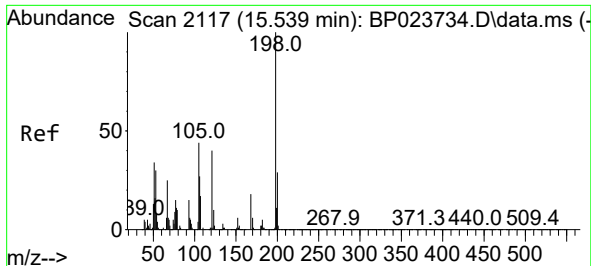
Tgt Ion:149 Resp: 271749
Ion Ratio Lower Upper
149 100
177 12.1 17.7 26.5#
150 17.8 9.8 14.6#



#61
Fluorene
Concen: 1.164 ng/ul
RT: 15.492 min Scan# 2109
Delta R.T. 0.018 min
Lab File: BP023741.D
Acq: 27 Jan 2025 15:10

Tgt Ion:166 Resp: 162069
Ion Ratio Lower Upper
166 100
165 103.0 77.8 116.8
167 19.5 10.6 16.0#

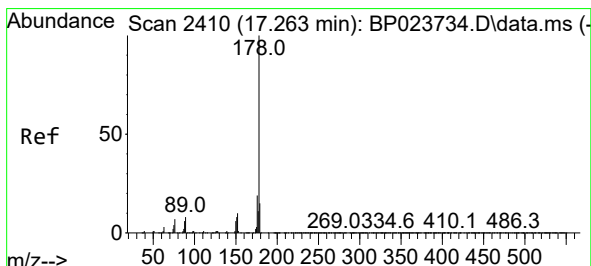
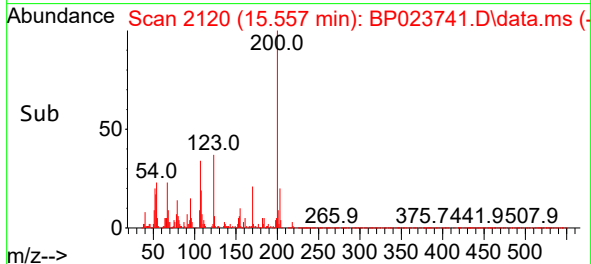
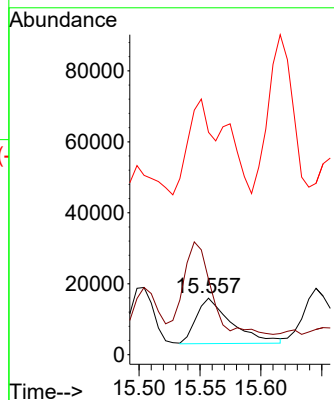
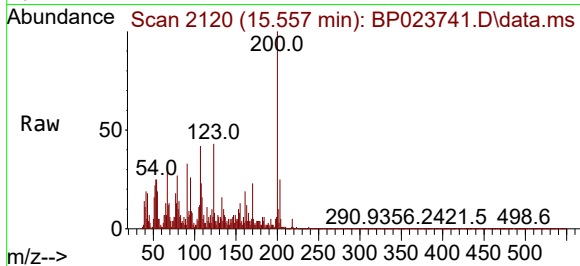




#66
4,6-Dinitro-2-methylphenol
Concen: 1.345 ng/ul
RT: 15.557 min Scan# 2117
Delta R.T. 0.018 min
Lab File: BP023741.D
Acq: 27 Jan 2025 15:10

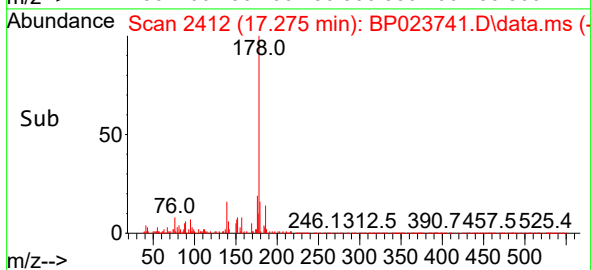
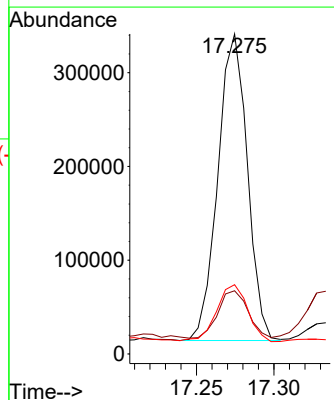
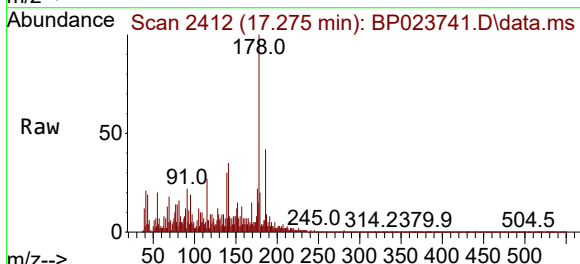
Instrument :
BNA_P
ClientSampleId :
E2938

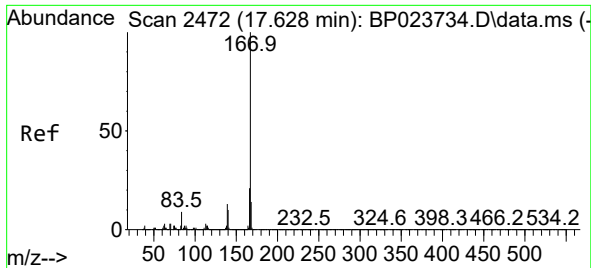
Tgt Ion:198 Resp: 25920
Ion Ratio Lower Upper
198 100
182 133.5 3.9 5.9#
77 394.0 20.3 30.5#



#72
Phenanthrene
Concen: 2.201 ng/ul
RT: 17.275 min Scan# 2412
Delta R.T. 0.012 min
Lab File: BP023741.D
Acq: 27 Jan 2025 15:10

Tgt Ion:178 Resp: 432687
Ion Ratio Lower Upper
178 100
179 19.8 12.5 18.7#
176 21.7 15.7 23.5





#77
 Carbazole
 Concen: 4.258 ng/ul
 RT: 17.645 min Scan# 2475
 Delta R.T. 0.018 min
 Lab File: BP023741.D
 Acq: 27 Jan 2025 15:10

Instrument :
 BNA_P
 ClientSampleId :
 E2938

Tgt Ion:167 Resp: 730345
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.4 26.0
 139 16.0 10.6 15.8#

