

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
 Data File : BP024627.D
 Acq On : 14 May 2025 14:51
 Operator : RC/JU
 Sample : Q2000-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 38073-040323

Quant Time: May 14 15:23:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

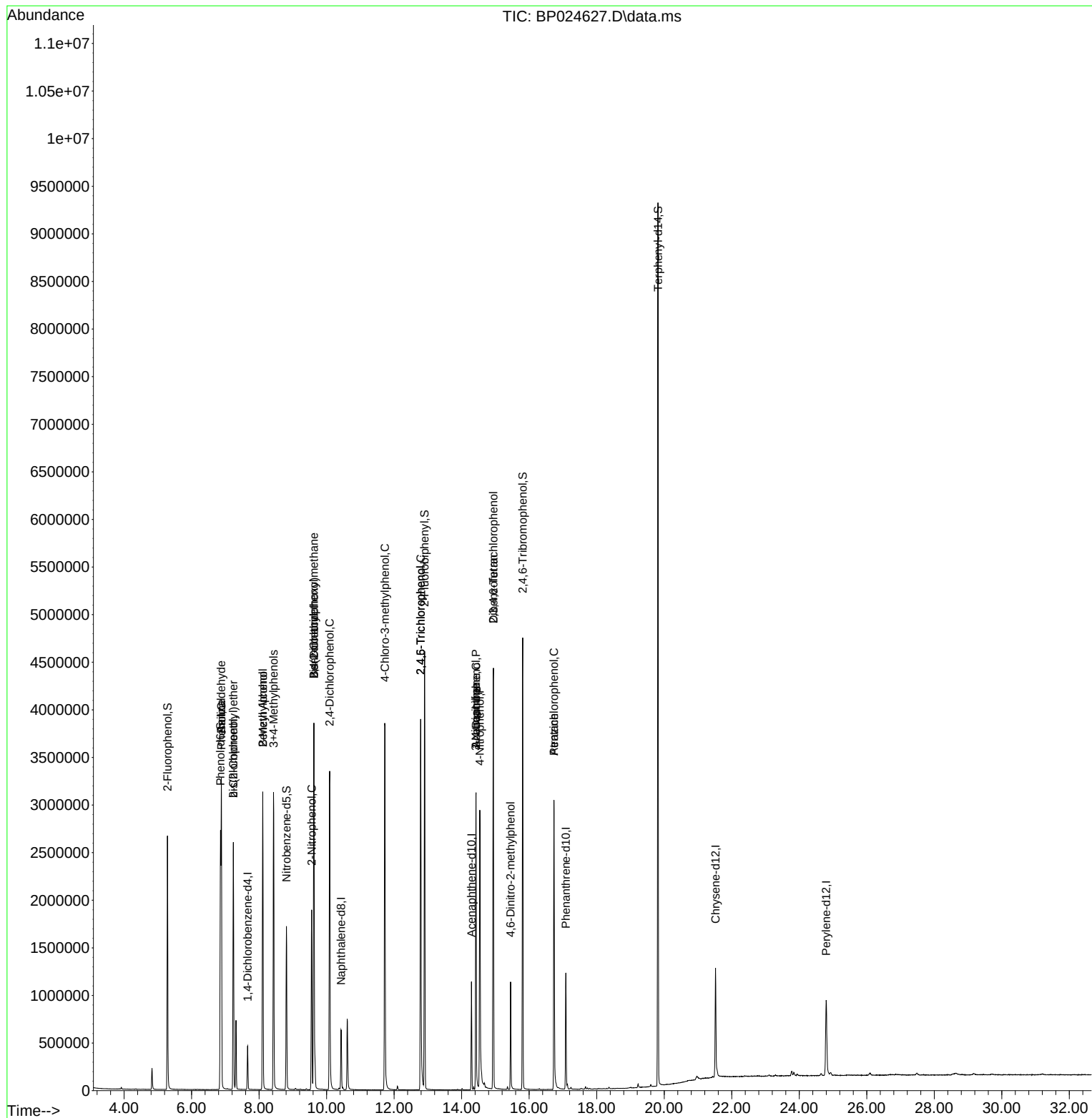
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	122596	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	520944	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	354396	20.000	ng	-0.01
64) Phenanthrene-d10	17.086	188	710049	20.000	ng	-0.01
76) Chrysene-d12	21.521	240	739671	20.000	ng	0.00
86) Perylene-d12	24.798	264	822647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	1140180	159.069	ng	0.00
7) Phenol-d6	6.857	99	1507155	164.751	ng	0.00
23) Nitrobenzene-d5	8.810	82	955751	92.698	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	963589	160.383	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	2371537	87.671	ng	0.00
79) Terphenyl-d14	19.816	244	4308634	99.882	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.881	93	36919	3.126	ng	# 1
8) 2-Chlorophenol	7.240	128	1182113	145.276	ng	99
9) Benzaldehyde	6.881	77	19742	3.334	ng	# 2
10) Phenol	6.887	94	1674844	177.383	ng	99
11) bis(2-Chloroethyl)ether	7.240	93	26053	3.358	ng	# 1
15) Benzyl Alcohol	8.110	79	446799	64.271	ng	# 1
17) 2-Methylphenol	8.110	107	957007	141.317	ng	98
20) 3+4-Methylphenols	8.428	107	1398508	151.816	ng	92
26) 2-Nitrophenol	9.557	139	603136	135.657	ng	100
27) 2,4-Dimethylphenol	9.622	122	1203657	153.552	ng	99
28) bis(2-Chloroethoxy)met...	9.622	93	57413	5.373	ng	# 1
29) 2,4-Dichlorophenol	10.093	162	1216695	160.171	ng	97
32) Benzoic acid	9.622	122	1203657	193.718	ng	# 13
36) 4-Chloro-3-methylphenol	11.728	107	1430584	154.432	ng	100
43) 2,4,6-Trichlorophenol	12.787	196	1097840	164.699	ng	99
44) 2,4,5-Trichlorophenol	12.787	196	1097840	147.960	ng	97
52) Acenaphthene	14.428	154	467157	24.313	ng	# 4
53) 3-Nitroaniline	14.422	138	22692	3.896	ng	# 1
54) 2,4-Dinitrophenol	14.428	184	690039	182.870	ng	97
55) Dibenzofuran	14.939	168	267553	8.730	ng	# 40
56) 4-Nitrophenol	14.539	139	928318	178.571	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.939	232	865265	125.710	ng	99
65) 4,6-Dinitro-2-methylph...	15.451	198	229949	50.137	ng	98
69) Atrazine	16.733	200	107086	13.398	ng	# 36
70) Pentachlorophenol	16.733	266	608303	101.927	ng	99

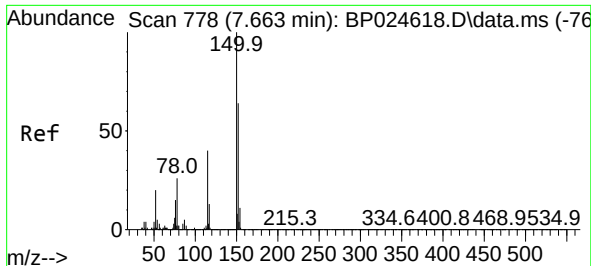
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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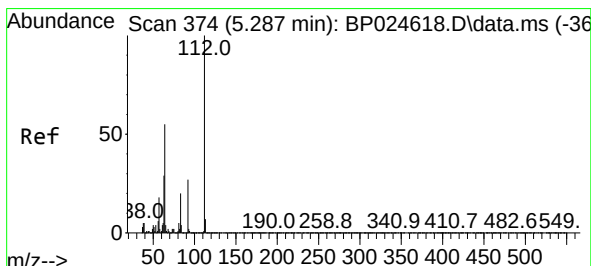
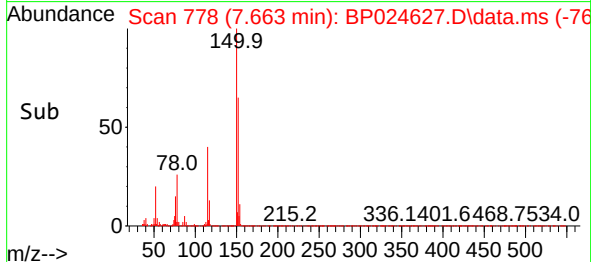
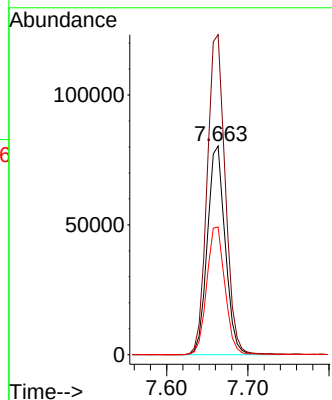
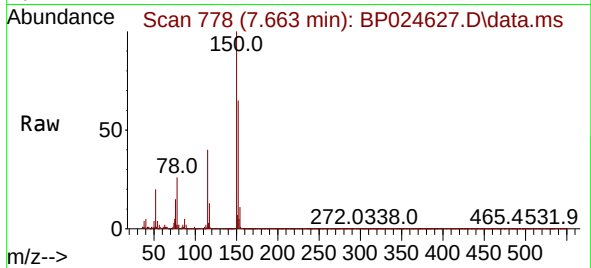




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

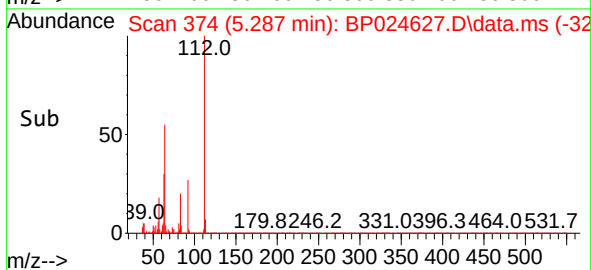
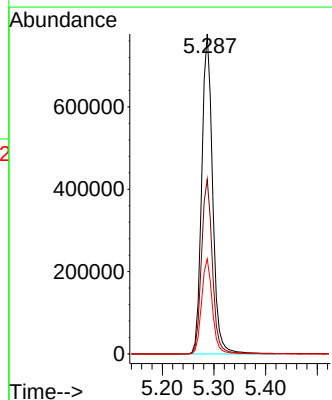
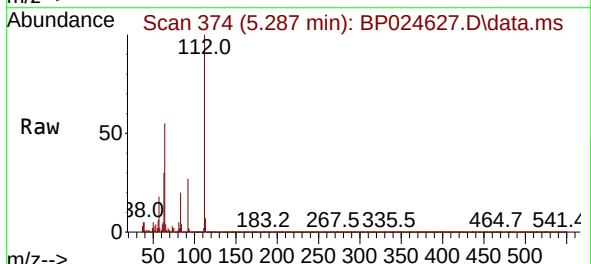
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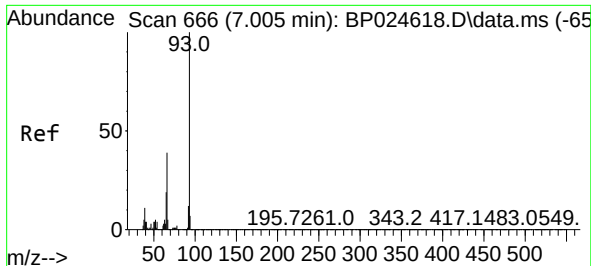
Tgt Ion:152 Resp: 122596
Ion Ratio Lower Upper
152 100
150 153.4 125.9 188.9
115 61.2 50.1 75.1



#5
2-Fluorophenol
Concen: 159.069 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.000 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

Tgt Ion:112 Resp: 1140180
Ion Ratio Lower Upper
112 100
64 54.6 44.1 66.1
63 29.7 23.5 35.3

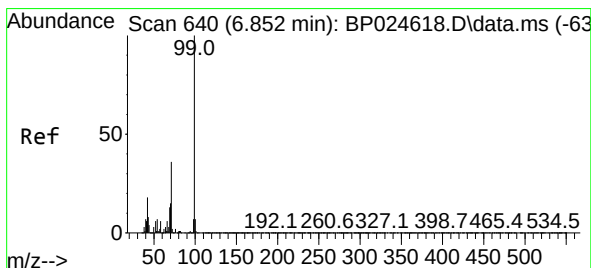
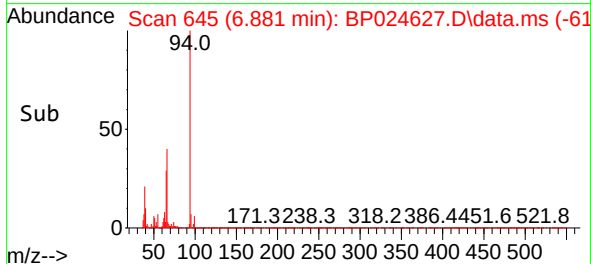
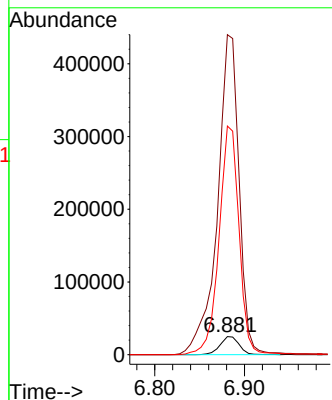
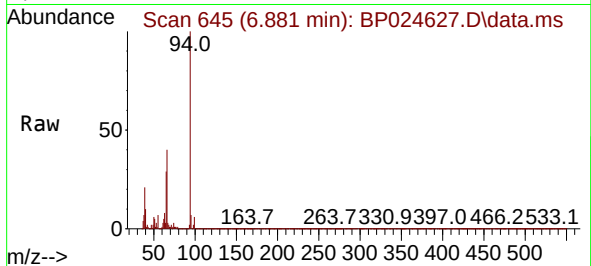




#6
Aniline
Concen: 3.126 ng
RT: 6.881 min Scan# 641
Delta R.T. -0.124 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

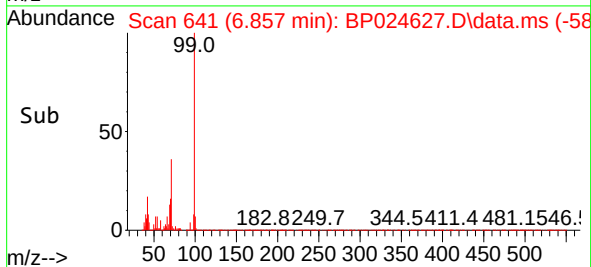
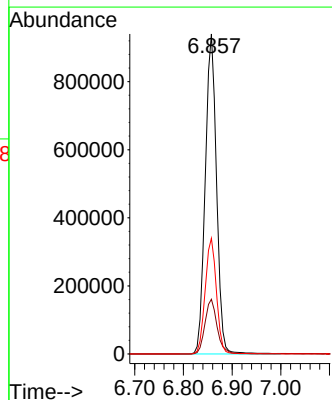
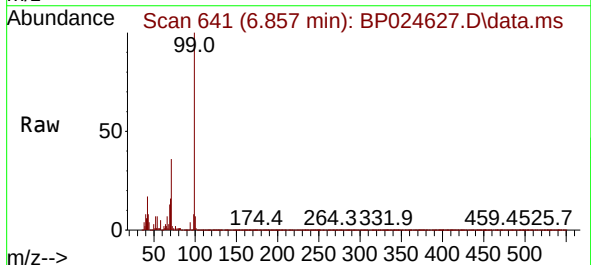
Instrument :
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ClientSampleId :
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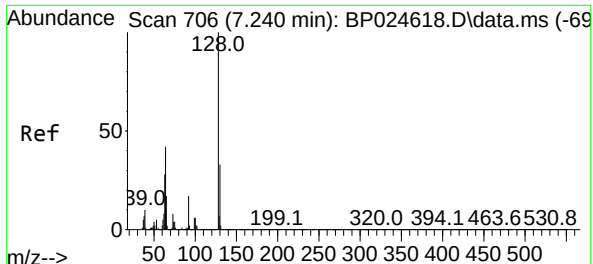
Tgt Ion: 93 Resp: 36919
Ion Ratio Lower Upper
93 100
66 1764.2 31.0 46.6#
65 1260.8 15.5 23.3#



#7
Phenol-d6
Concen: 164.751 ng
RT: 6.857 min Scan# 641
Delta R.T. 0.006 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

Tgt Ion: 99 Resp: 1507155
Ion Ratio Lower Upper
99 100
42 17.1 14.4 21.6
71 36.1 29.2 43.8

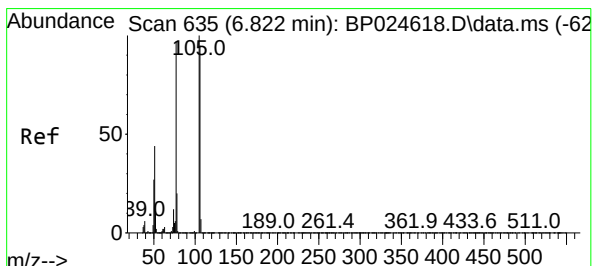
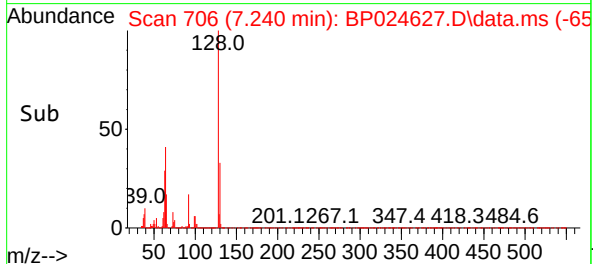
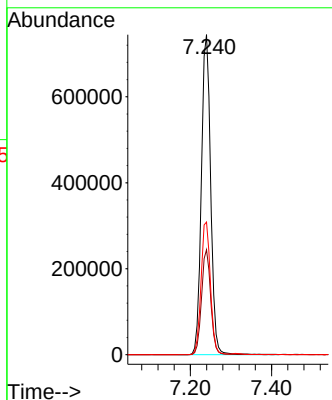
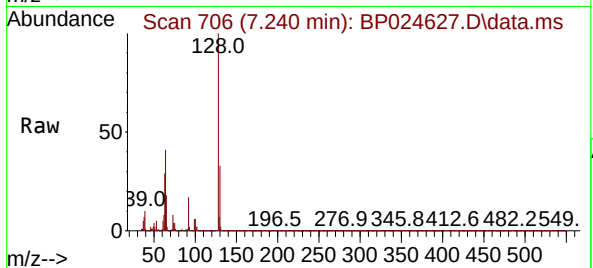




#8
2-Chlorophenol
Concen: 145.276 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.000 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

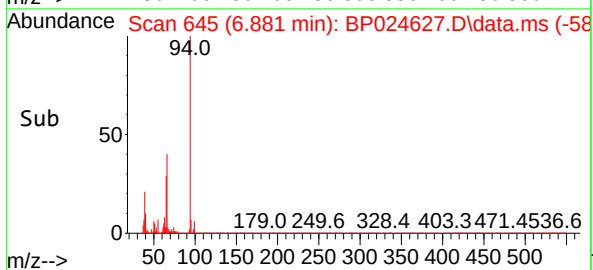
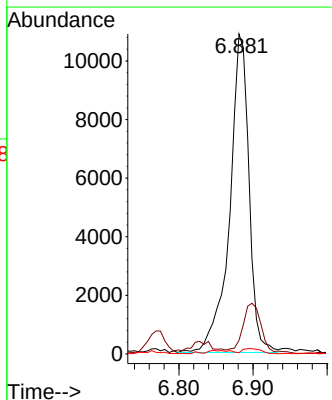
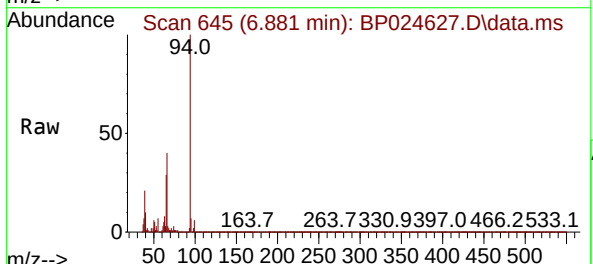
Instrument :
BNA_P
ClientSampleId :
38073-040323

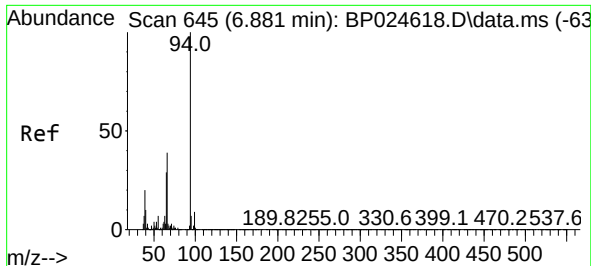
Tgt Ion:128 Resp: 1182113
Ion Ratio Lower Upper
128 100
130 32.8 13.0 53.0
64 41.4 22.3 62.3



#9
Benzaldehyde
Concen: 3.334 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.059 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

Tgt Ion: 77 Resp: 19742
Ion Ratio Lower Upper
77 100
105 4.2 83.3 123.3#
106 0.4 78.0 118.0#

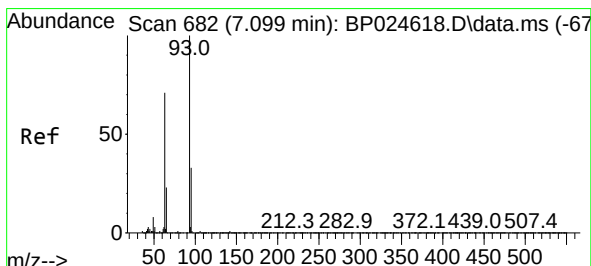
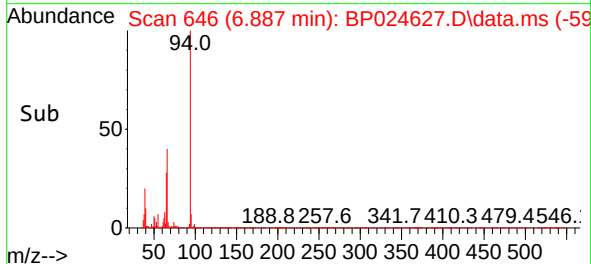
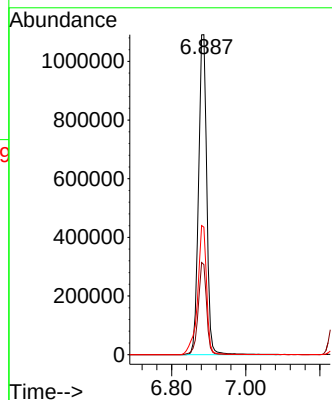
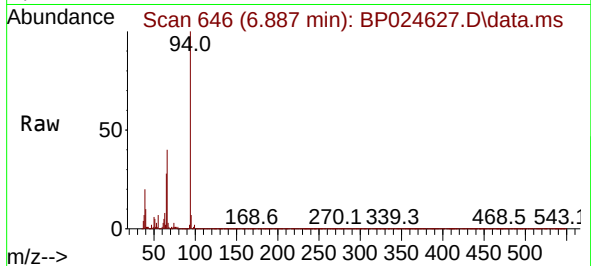




#10
Phenol
Concen: 177.383 ng
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

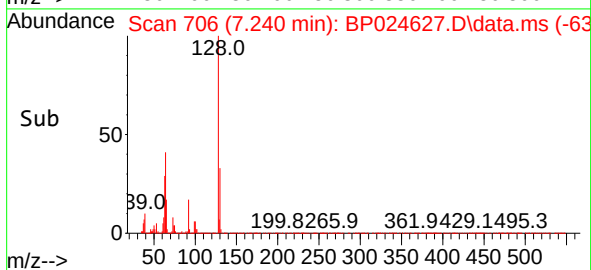
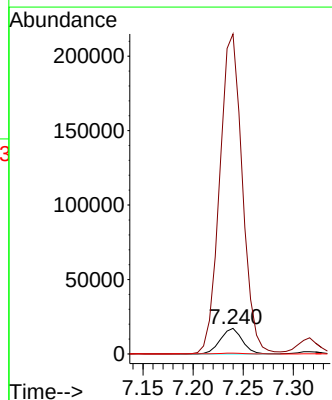
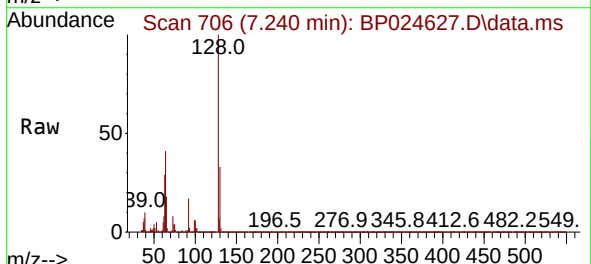
Instrument :
BNA_P
ClientSampleId :
38073-040323

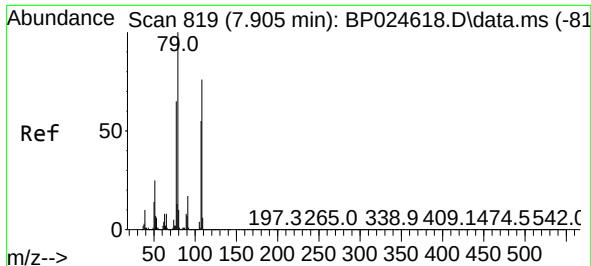
Tgt Ion: 94 Resp: 1674844
Ion Ratio Lower Upper
94 100
65 28.2 8.7 48.7
66 39.8 19.4 59.4



#11
bis(2-Chloroethyl)ether
Concen: 3.358 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.141 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

Tgt Ion: 93 Resp: 26053
Ion Ratio Lower Upper
93 100
63 1250.1 50.6 90.6#
95 3.2 12.9 52.9#

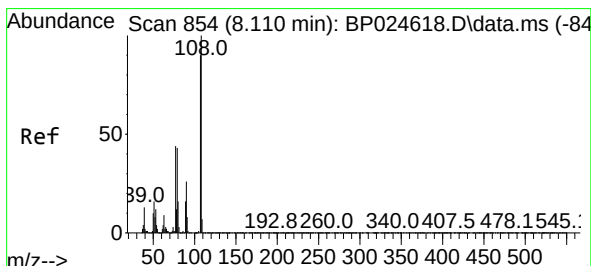
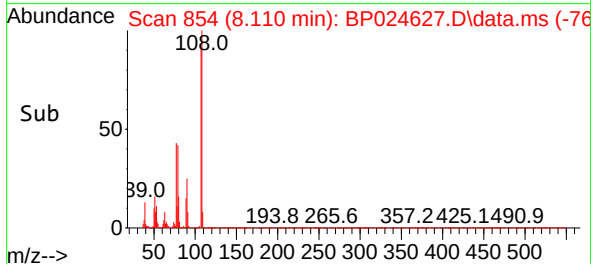
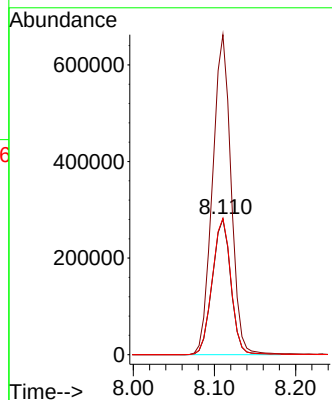
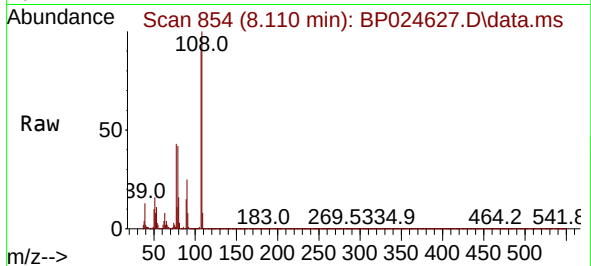




#15
Benzyl Alcohol
Concen: 64.271 ng
RT: 8.110 min Scan# 819
Delta R.T. 0.206 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

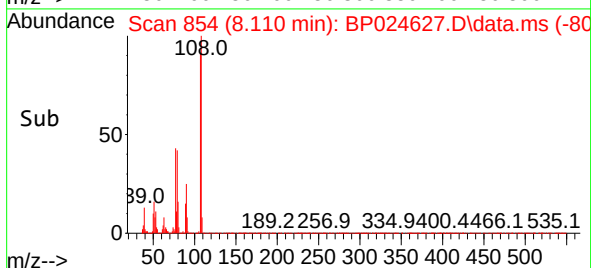
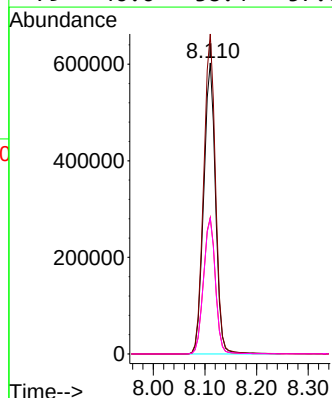
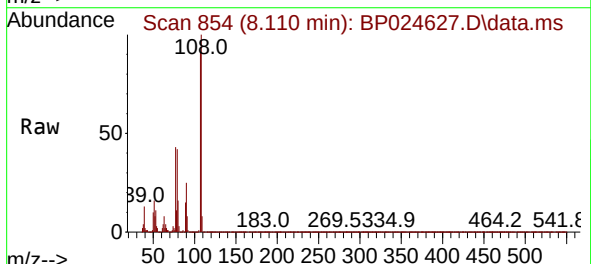
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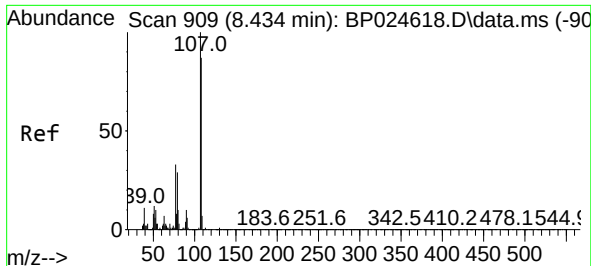
Tgt Ion: 79 Resp: 446799
Ion Ratio Lower Upper
79 100
108 235.7 60.8 91.2#
77 100.5 51.9 77.9#



#17
2-Methylphenol
Concen: 141.317 ng
RT: 8.110 min Scan# 854
Delta R.T. -0.000 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

Tgt Ion: 107 Resp: 957007
Ion Ratio Lower Upper
107 100
108 110.0 88.9 133.3
77 46.9 39.0 58.6
79 46.6 38.4 57.6

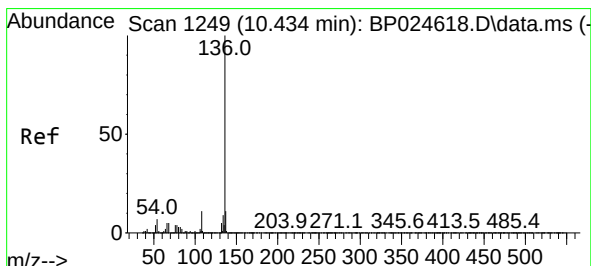
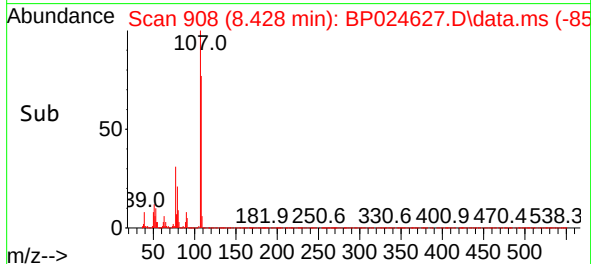
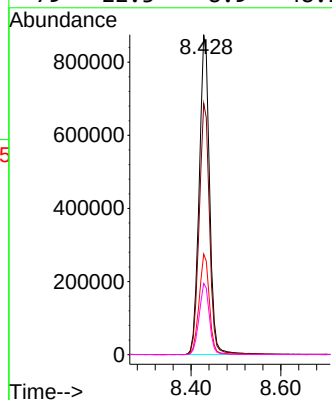
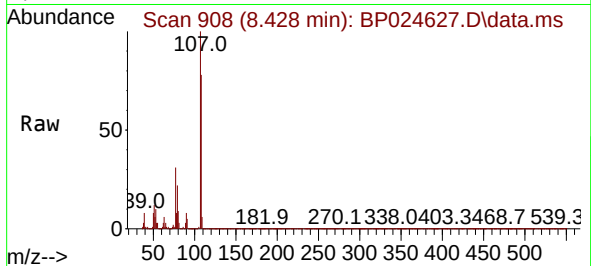




#20
3+4-Methylphenols
Concen: 151.816 ng
RT: 8.428 min Scan# 909
Delta R.T. -0.006 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

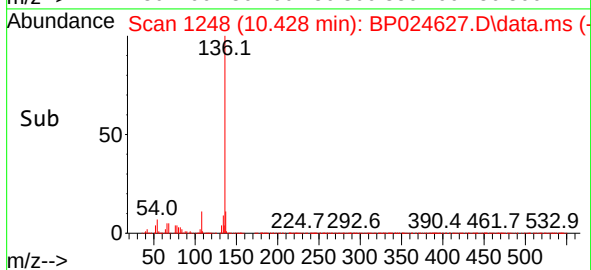
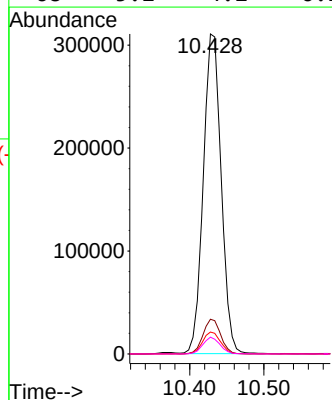
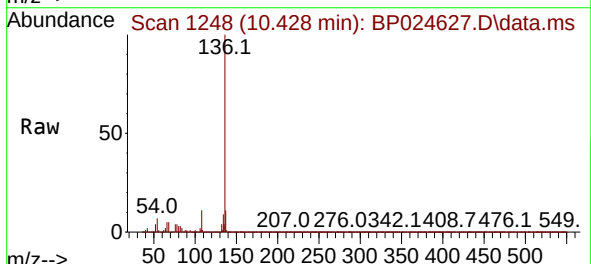
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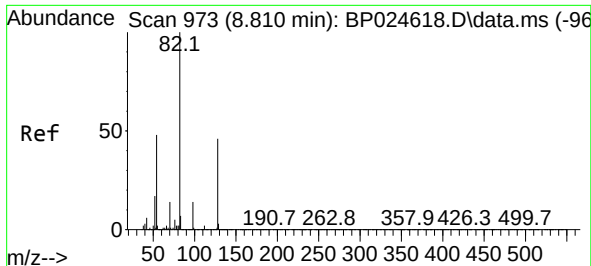
Tgt Ion:107 Resp: 1398508
Ion Ratio Lower Upper
107 100
108 78.5 66.7 106.7
77 31.4 13.1 53.1
79 22.3 8.9 48.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

Tgt Ion:136 Resp: 520944
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.9 5.5 8.3
68 5.2 4.2 6.2

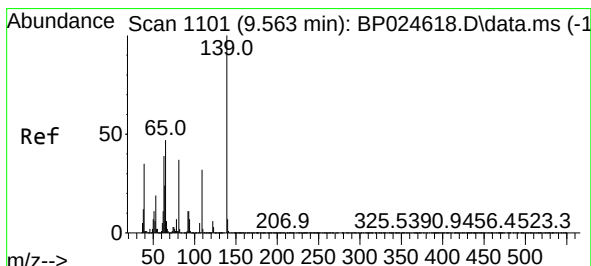
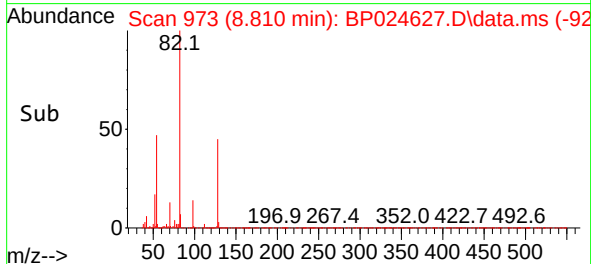
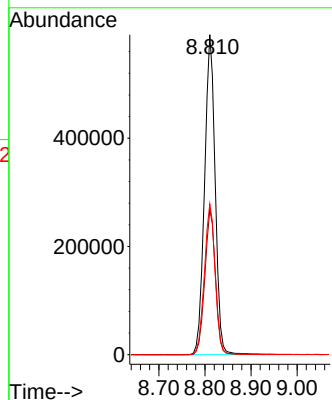
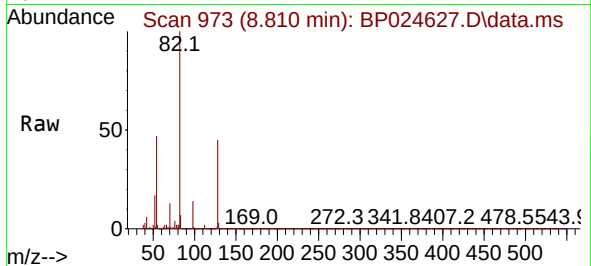




#23
Nitrobenzene-d5
Concen: 92.698 ng
RT: 8.810 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

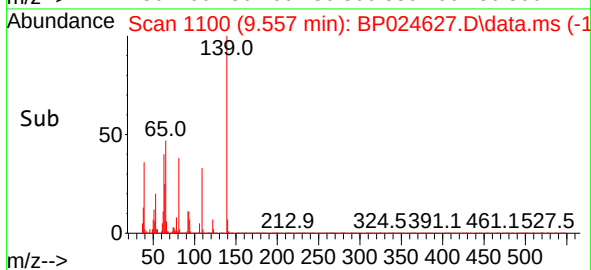
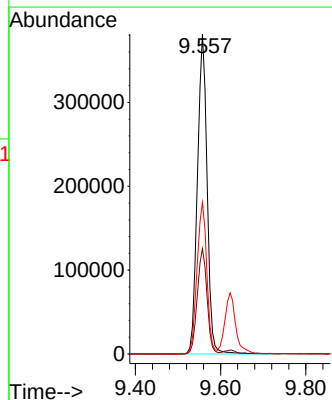
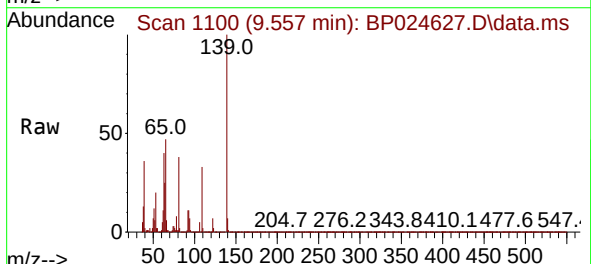
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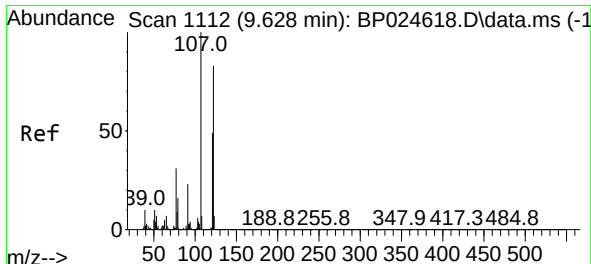
Tgt Ion: 82 Resp: 955751
Ion Ratio Lower Upper
82 100
128 45.4 37.0 55.4
54 47.1 38.7 58.1



#26
2-Nitrophenol
Concen: 135.657 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

Tgt Ion:139 Resp: 603136
Ion Ratio Lower Upper
139 100
109 33.0 25.9 38.9
65 47.4 37.9 56.9





#27

2,4-Dimethylphenol

Concen: 153.552 ng

RT: 9.622 min Scan# 1111

Delta R.T. -0.006 min

Lab File: BP024627.D

Acq: 14 May 2025 14:51

Instrument :

BNA_P

ClientSampleId :

38073-040323

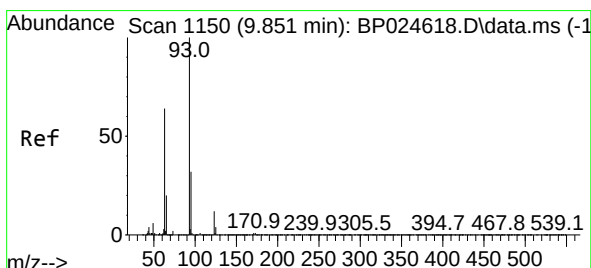
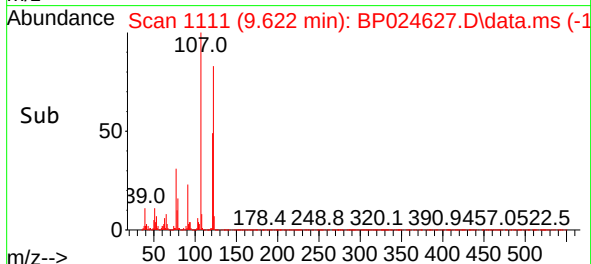
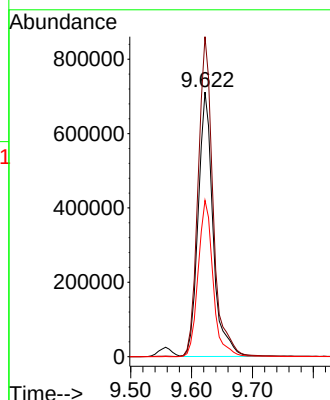
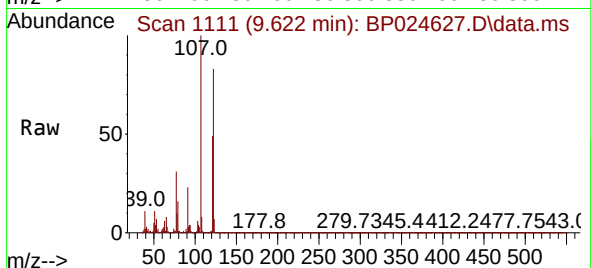
Tgt Ion:122 Resp: 1203657

Ion Ratio Lower Upper

122 100

107 120.9 96.2 144.2

121 59.1 47.6 71.4



#28

bis(2-Chloroethoxy)methane

Concen: 5.373 ng

RT: 9.622 min Scan# 1111

Delta R.T. -0.229 min

Lab File: BP024627.D

Acq: 14 May 2025 14:51

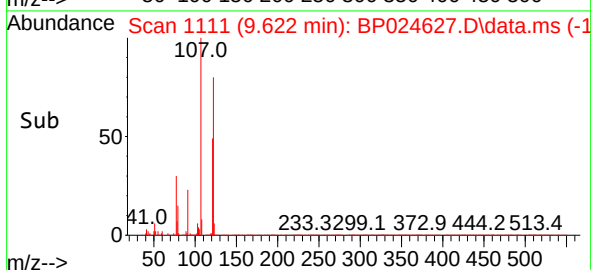
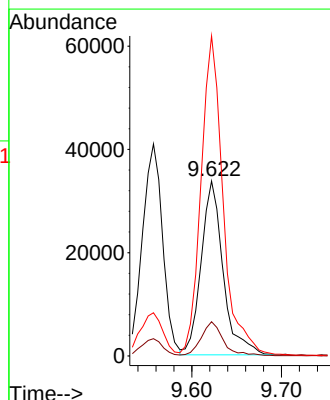
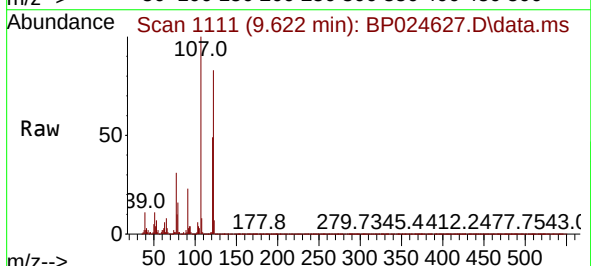
Tgt Ion: 93 Resp: 57413

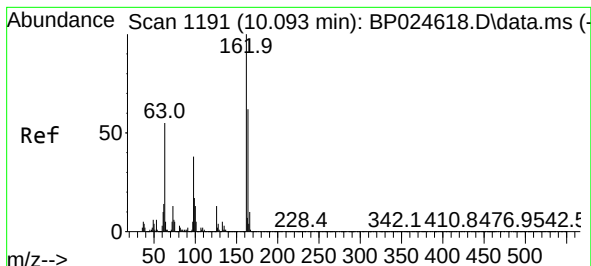
Ion Ratio Lower Upper

93 100

95 19.6 25.5 38.3#

123 183.0 9.7 14.5#

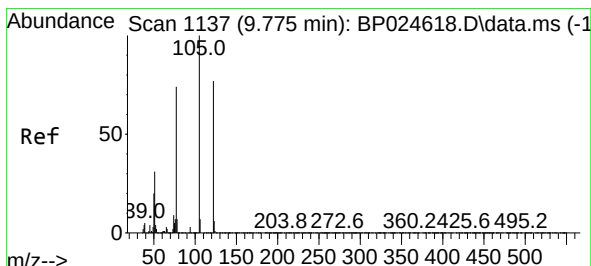
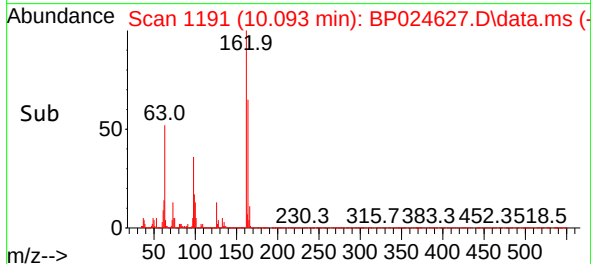
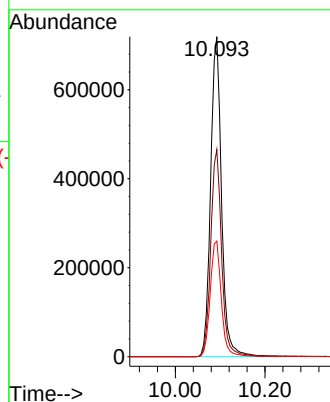
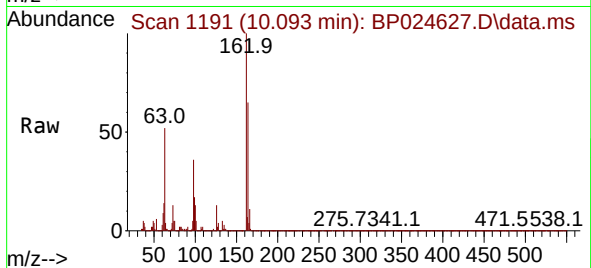




#29
2,4-Dichlorophenol
Concen: 160.171 ng
RT: 10.093 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

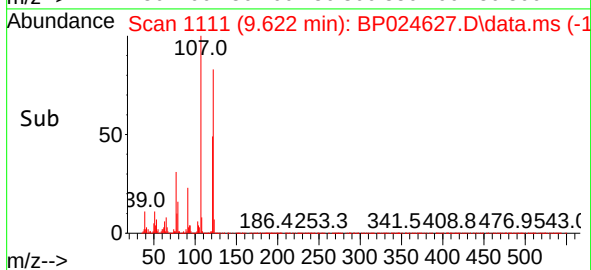
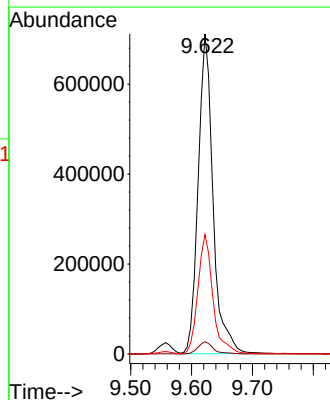
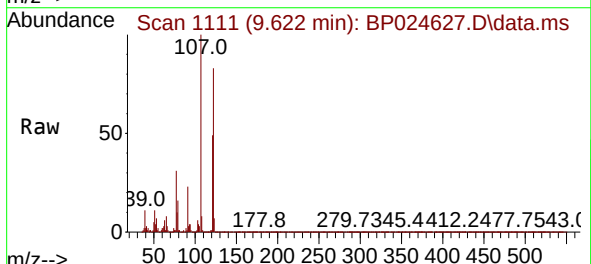
Instrument :
BNA_P
ClientSampleId :
38073-040323

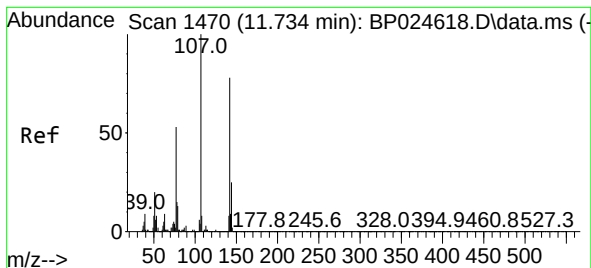
Tgt Ion:162 Resp: 1216695
Ion Ratio Lower Upper
162 100
164 64.7 42.3 82.3
98 36.1 18.4 58.4



#32
Benzoic acid
Concen: 193.718 ng
RT: 9.622 min Scan# 1111
Delta R.T. -0.153 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

Tgt Ion:122 Resp: 1203657
Ion Ratio Lower Upper
122 100
105 3.8 106.9 146.9#
77 37.3 75.1 115.1#

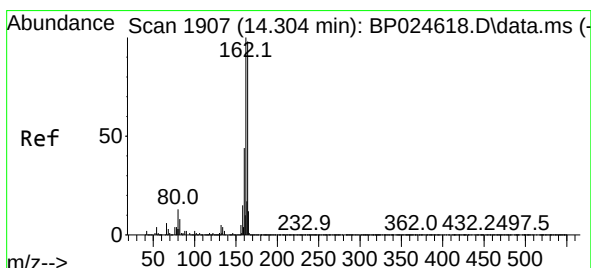
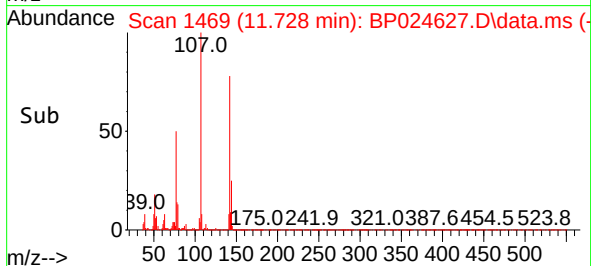
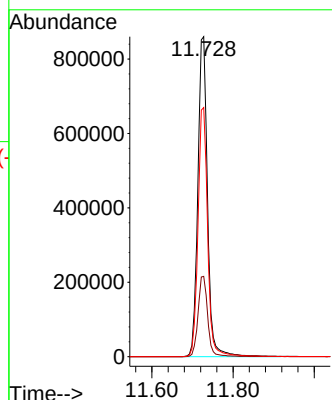
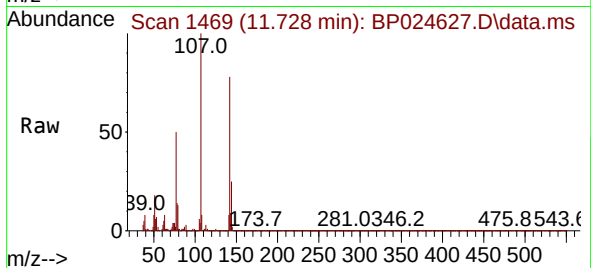




#36
4-Chloro-3-methylphenol
Concen: 154.432 ng
RT: 11.728 min Scan# 1470
Delta R.T. -0.006 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

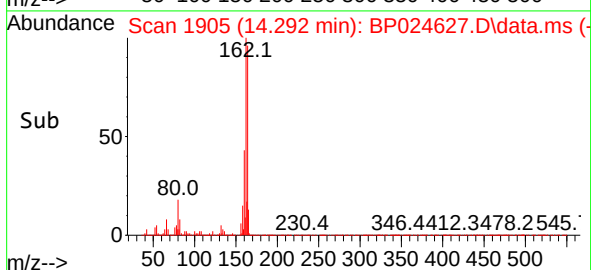
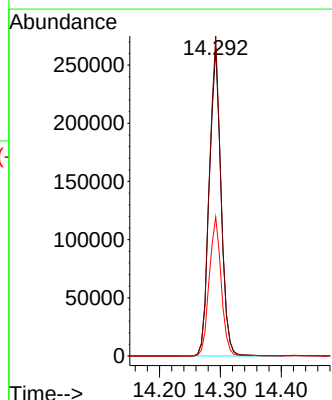
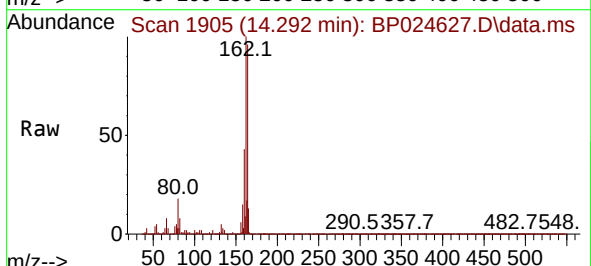
Instrument :
BNA_P
ClientSampleId :
38073-040323

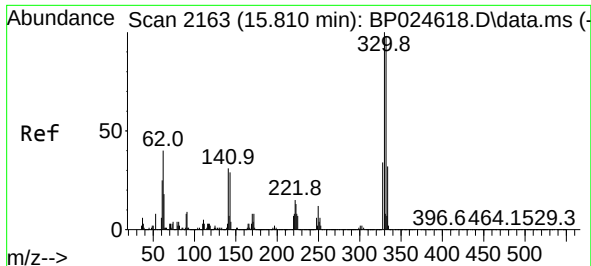
Tgt Ion:107 Resp: 1430584
Ion Ratio Lower Upper
107 100
144 25.1 20.1 30.1
142 77.9 62.1 93.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

Tgt Ion:164 Resp: 354396
Ion Ratio Lower Upper
164 100
162 103.9 81.8 122.6
160 45.1 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 160.383 ng

RT: 15.810 min Scan# 2163

Delta R.T. -0.000 min

Lab File: BP024627.D

Acq: 14 May 2025 14:51

Instrument :

BNA_P

ClientSampleId :

38073-040323

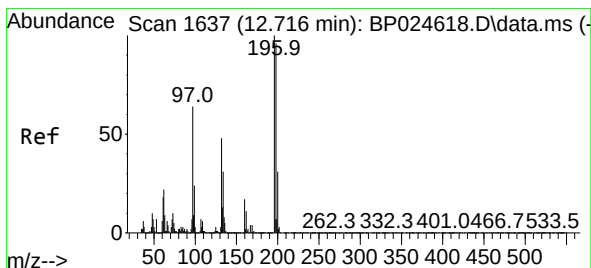
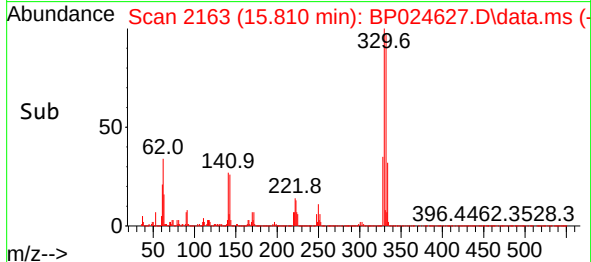
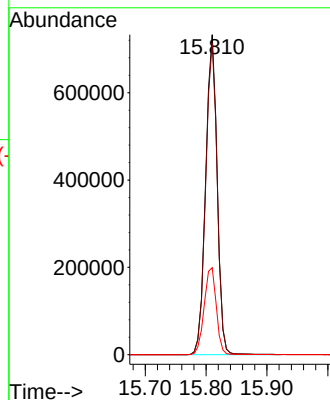
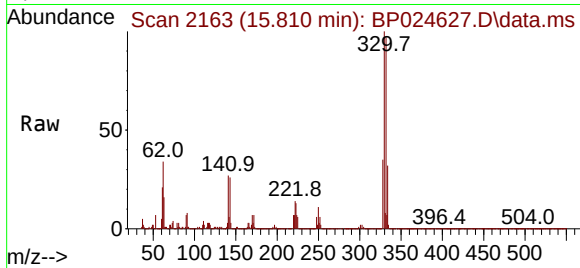
Tgt Ion:330 Resp: 963589

Ion Ratio Lower Upper

330 100

332 97.6 78.2 117.4

141 28.8 24.3 36.5



#43

2,4,6-Trichlorophenol

Concen: 164.699 ng

RT: 12.787 min Scan# 1649

Delta R.T. 0.070 min

Lab File: BP024627.D

Acq: 14 May 2025 14:51

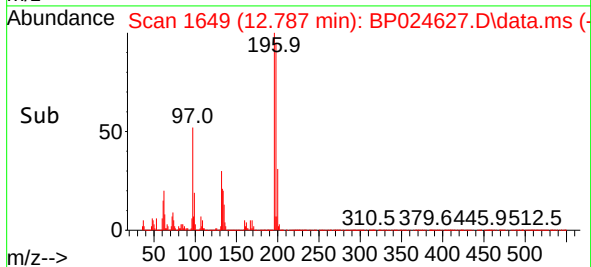
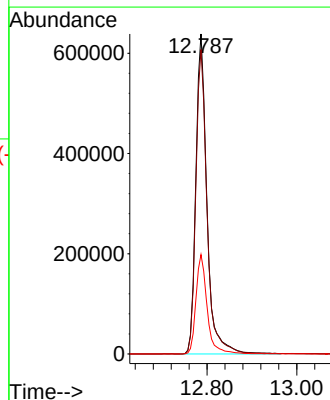
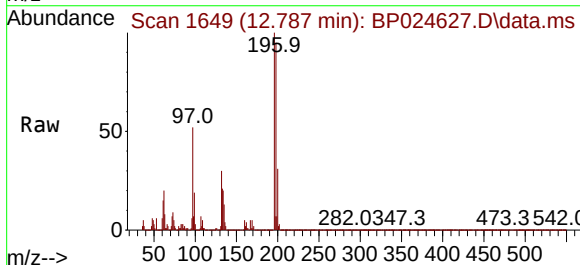
Tgt Ion:196 Resp: 1097840

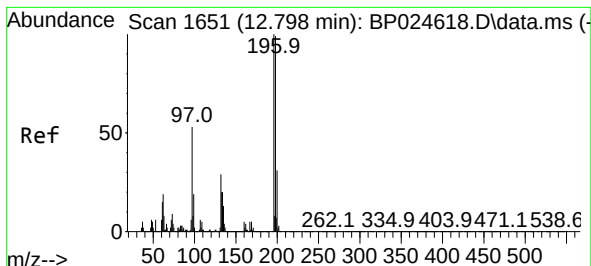
Ion Ratio Lower Upper

196 100

198 95.1 76.9 115.3

200 31.1 25.2 37.8





#44

2,4,5-Trichlorophenol

Concen: 147.960 ng

RT: 12.787 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP024627.D

Acq: 14 May 2025 14:51

Instrument :

BNA_P

ClientSampleId :

38073-040323

Tgt Ion:196 Resp: 1097840

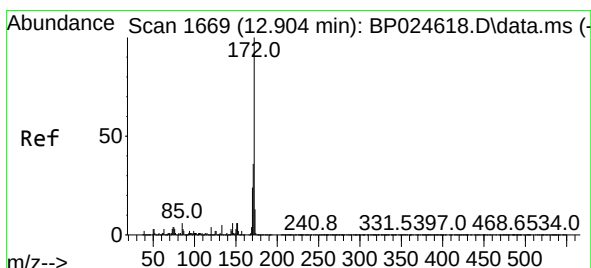
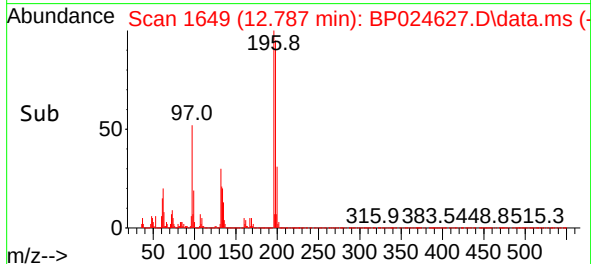
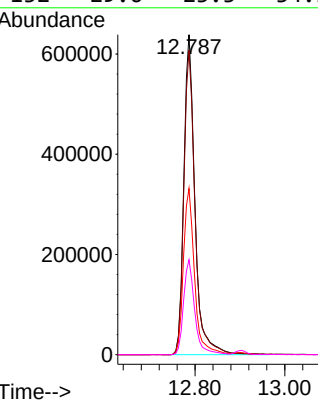
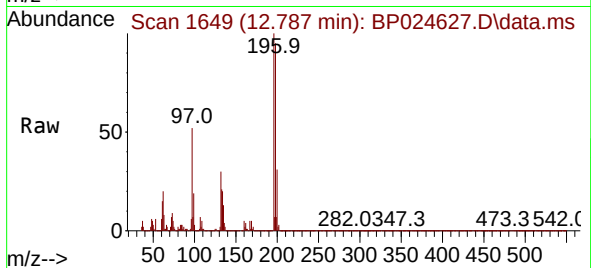
Ion Ratio Lower Upper

196 100

198 95.1 79.2 118.8

97 51.9 42.3 63.5

132 29.6 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 87.671 ng

RT: 12.904 min Scan# 1669

Delta R.T. -0.000 min

Lab File: BP024627.D

Acq: 14 May 2025 14:51

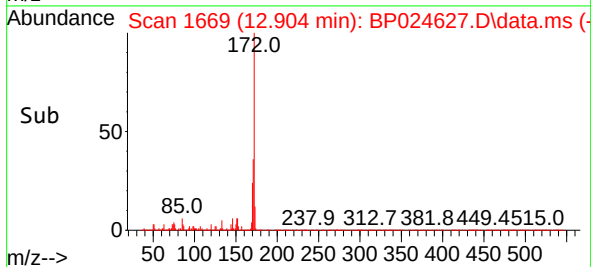
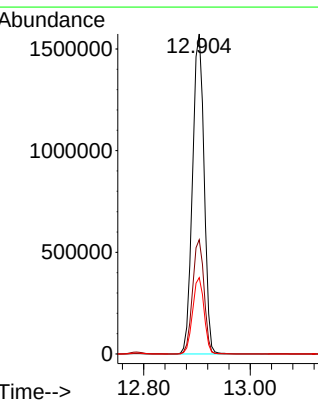
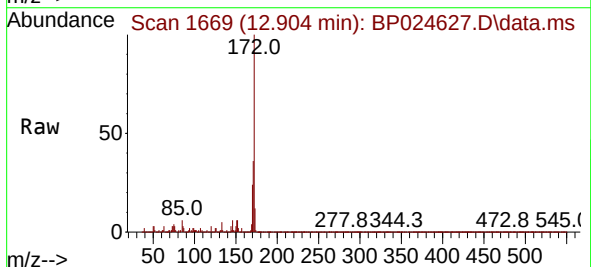
Tgt Ion:172 Resp: 2371537

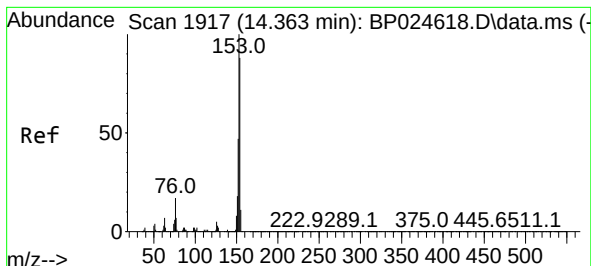
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.8 18.8 28.2





#52

Acenaphthene

Concen: 24.313 ng

RT: 14.428 min Scan# 1917

Delta R.T. 0.065 min

Lab File: BP024627.D

Acq: 14 May 2025 14:51

Instrument :

BNA_P

ClientSampleId :

38073-040323

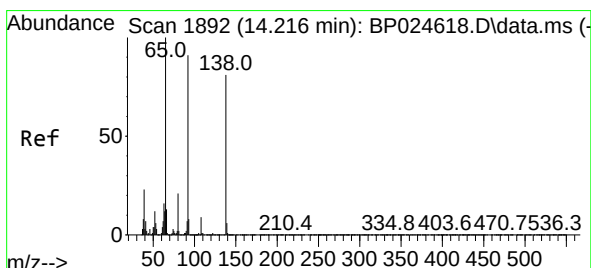
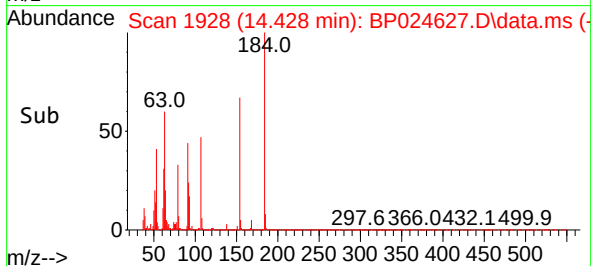
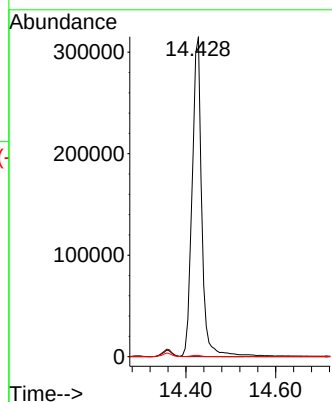
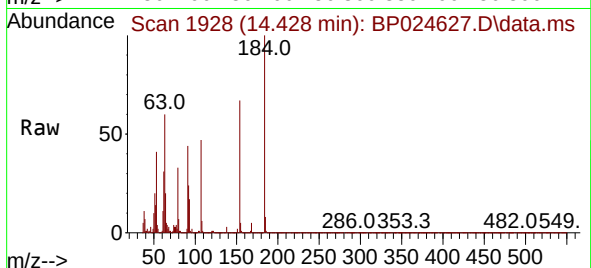
Tgt Ion:154 Resp: 467157

Ion Ratio Lower Upper

154 100

153 0.0 91.0 136.4#

152 0.4 42.9 64.3#



#53

3-Nitroaniline

Concen: 3.896 ng

RT: 14.422 min Scan# 1927

Delta R.T. 0.206 min

Lab File: BP024627.D

Acq: 14 May 2025 14:51

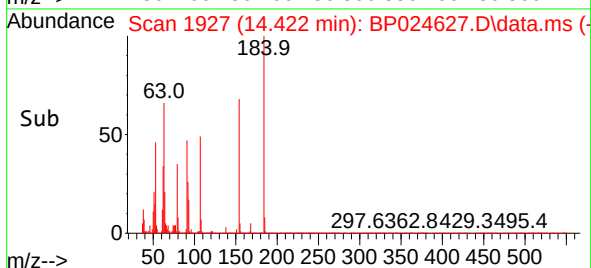
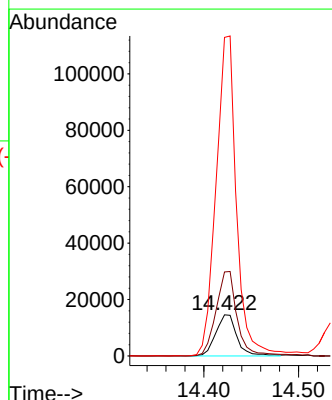
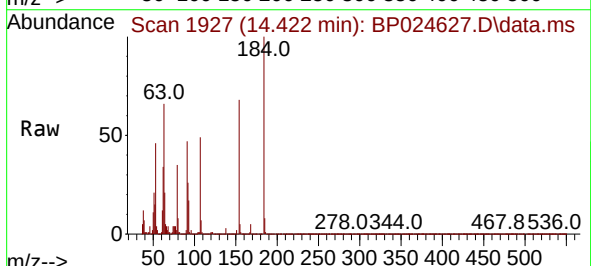
Tgt Ion:138 Resp: 22692

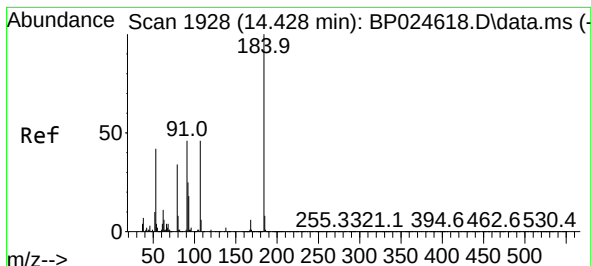
Ion Ratio Lower Upper

138 100

108 204.3 9.0 13.4#

92 775.3 90.1 135.1#





#54

2,4-Dinitrophenol

Concen: 182.870 ng

RT: 14.428 min Scan# 1928

Delta R.T. -0.000 min

Lab File: BP024627.D

Acq: 14 May 2025 14:51

Instrument :

BNA_P

ClientSampleId :

38073-040323

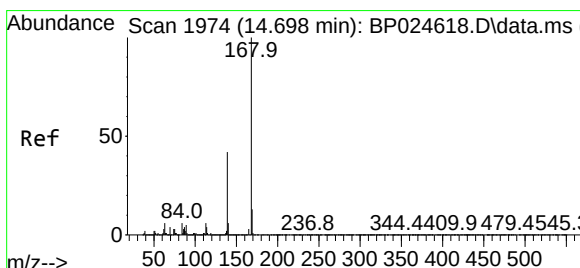
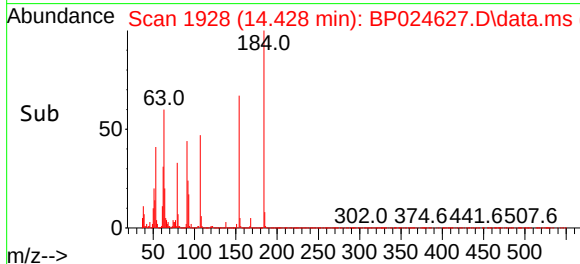
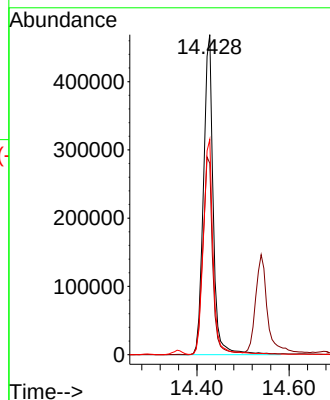
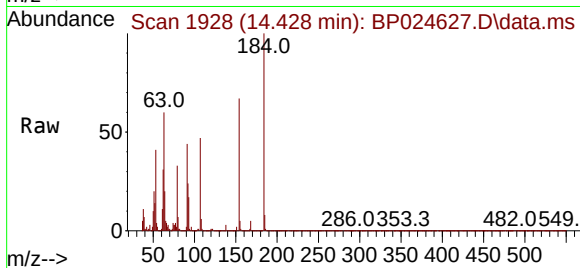
Tgt Ion:184 Resp: 690039

Ion Ratio Lower Upper

184 100

63 59.8 51.3 76.9

154 67.2 53.5 80.3



#55

Dibenzofuran

Concen: 8.730 ng

RT: 14.939 min Scan# 2015

Delta R.T. 0.241 min

Lab File: BP024627.D

Acq: 14 May 2025 14:51

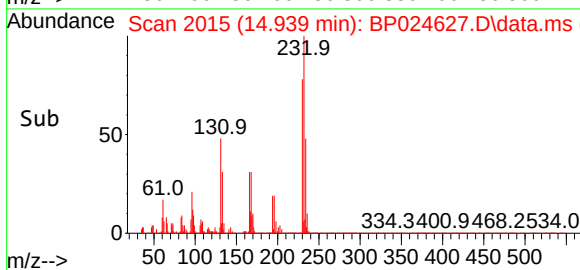
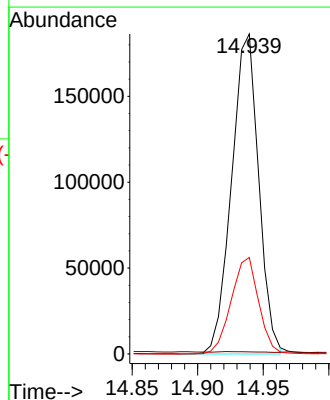
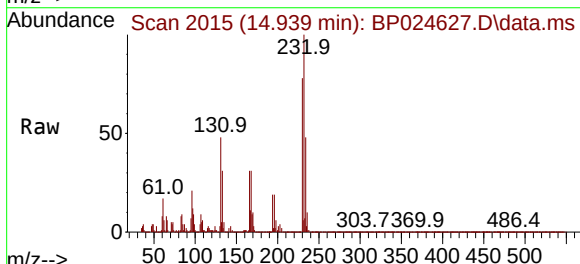
Tgt Ion:168 Resp: 267553

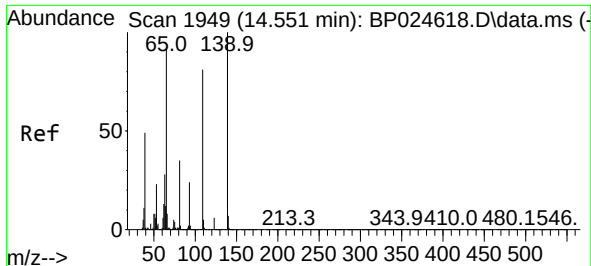
Ion Ratio Lower Upper

168 100

139 0.6 34.2 51.4#

169 30.2 10.8 16.2#

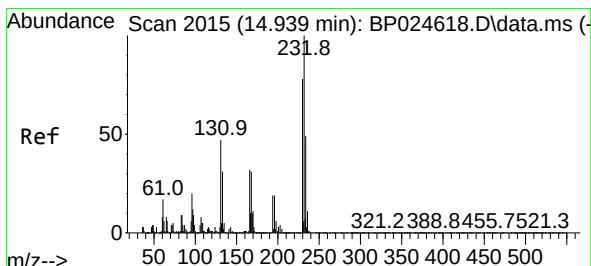
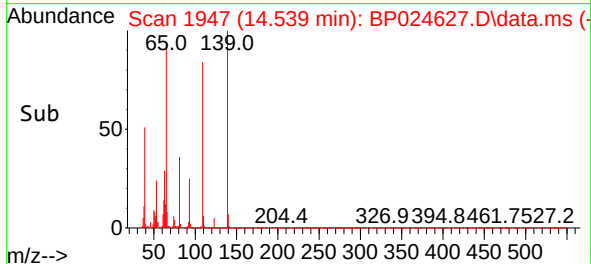
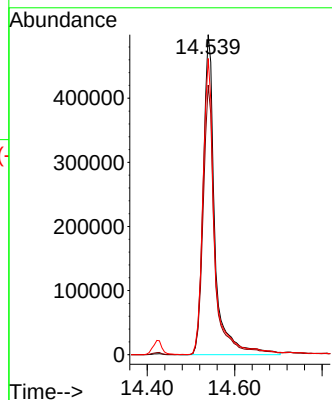
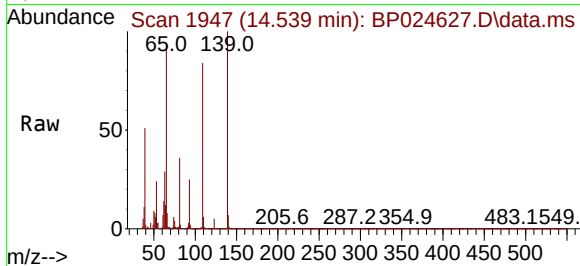




#56
4-Nitrophenol
Concen: 178.571 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

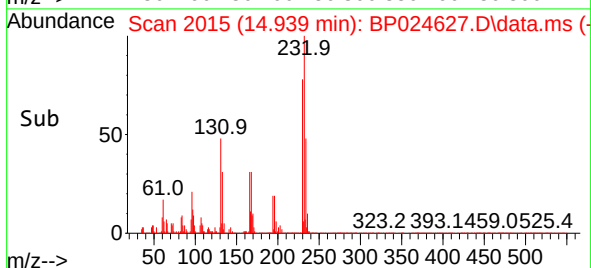
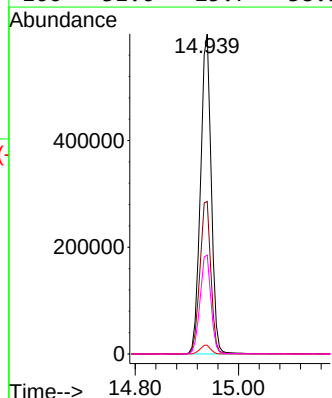
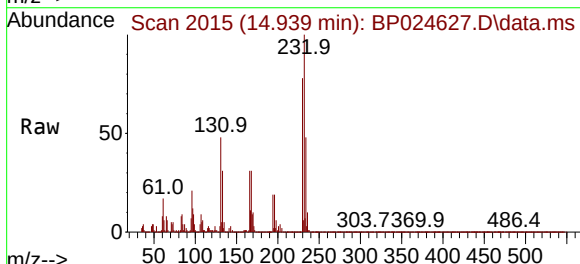
Instrument :
BNA_P
ClientSampleId :
38073-040323

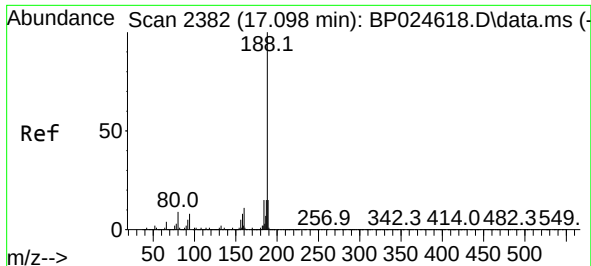
Tgt Ion:139 Resp: 928318
Ion Ratio Lower Upper
139 100
109 84.3 61.4 101.4
65 92.6 72.2 112.2



#59
2,3,4,6-Tetrachlorophenol
Concen: 125.710 ng
RT: 14.939 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

Tgt Ion:232 Resp: 865265
Ion Ratio Lower Upper
232 100
131 49.0 39.5 59.3
130 2.8 2.2 3.4
166 31.6 25.7 38.5

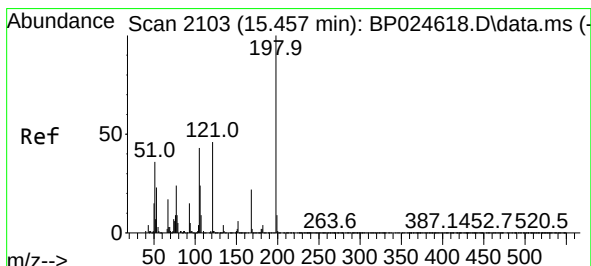
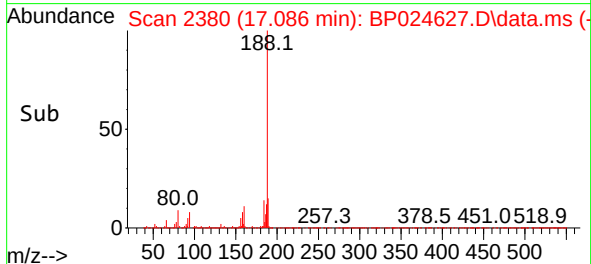
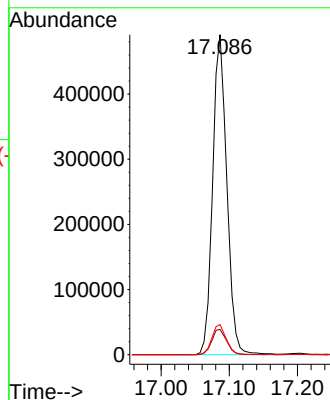
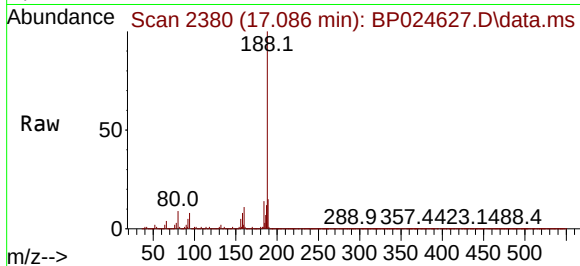




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 210
Delta R.T. -0.012 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

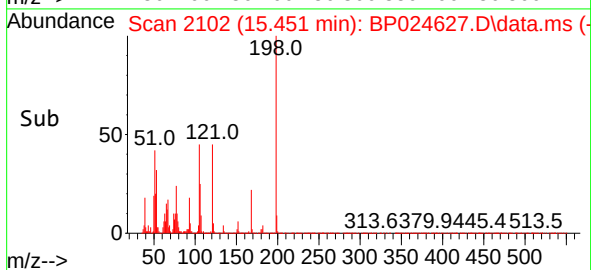
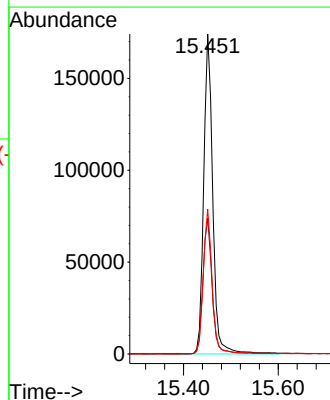
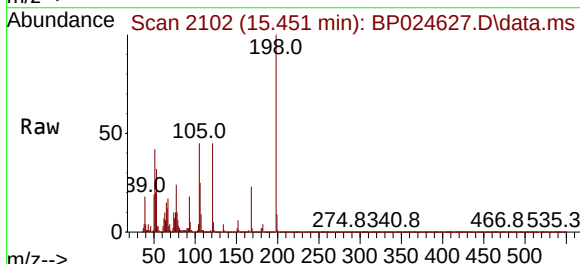
Instrument :
BNA_P
ClientSampleId :
38073-040323

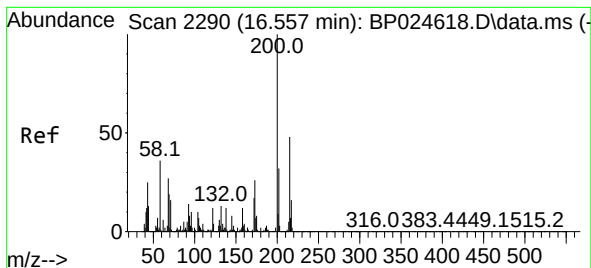
Tgt Ion:188 Resp: 710049
Ion Ratio Lower Upper
188 100
94 7.9 6.5 9.7
80 9.4 7.3 10.9



#65
4,6-Dinitro-2-methylphenol
Concen: 50.137 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

Tgt Ion:198 Resp: 229949
Ion Ratio Lower Upper
198 100
51 42.5 21.1 61.1
105 45.2 23.6 63.6





#69

Atrazine

Concen: 13.398 ng

RT: 16.733 min Scan# 21

Delta R.T. 0.176 min

Lab File: BP024627.D

Acq: 14 May 2025 14:51

Instrument :

BNA_P

ClientSampleId :

38073-040323

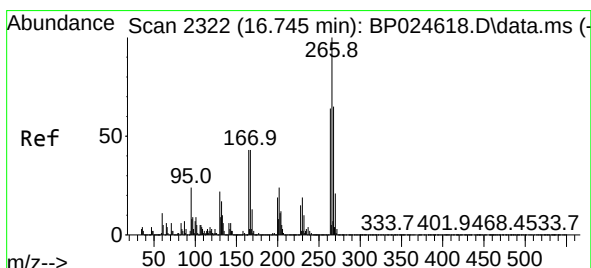
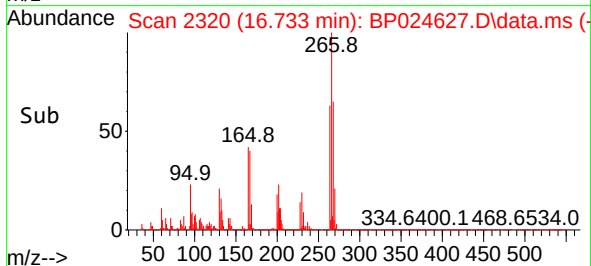
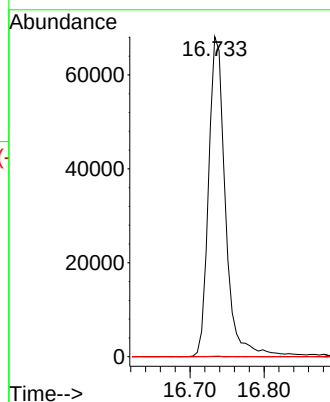
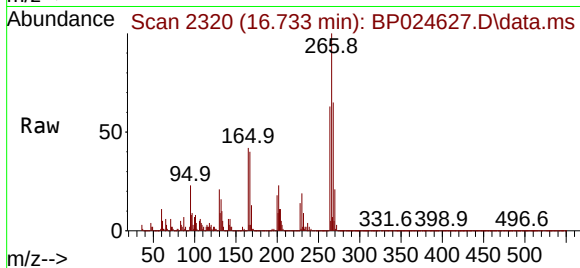
Tgt Ion:200 Resp: 107086

Ion Ratio Lower Upper

200 100

173 0.0 5.9 45.9#

215 0.1 28.3 68.3#



#70

Pentachlorophenol

Concen: 101.927 ng

RT: 16.733 min Scan# 2320

Delta R.T. -0.012 min

Lab File: BP024627.D

Acq: 14 May 2025 14:51

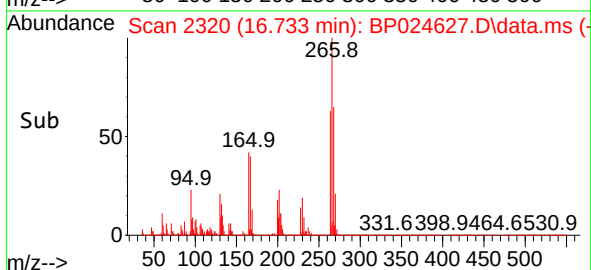
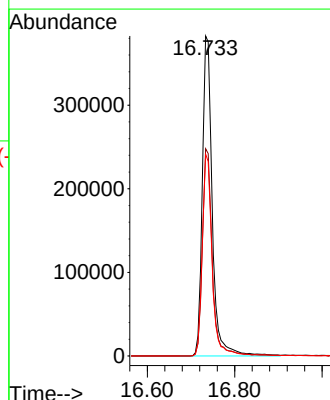
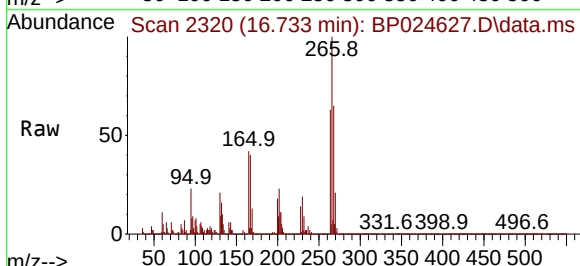
Tgt Ion:266 Resp: 608303

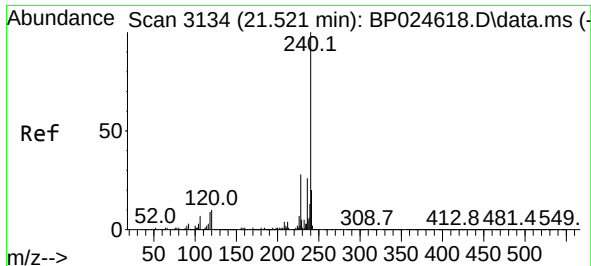
Ion Ratio Lower Upper

266 100

268 64.8 52.2 78.4

264 63.0 51.1 76.7

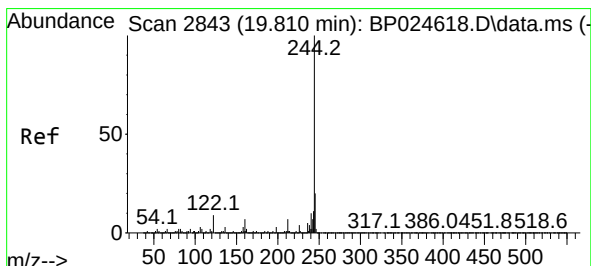
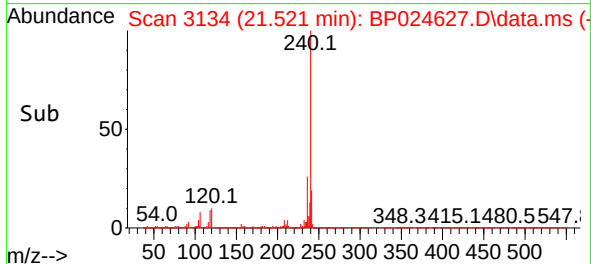
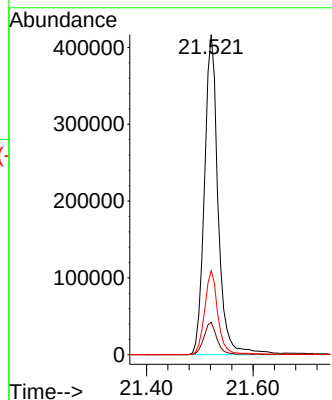
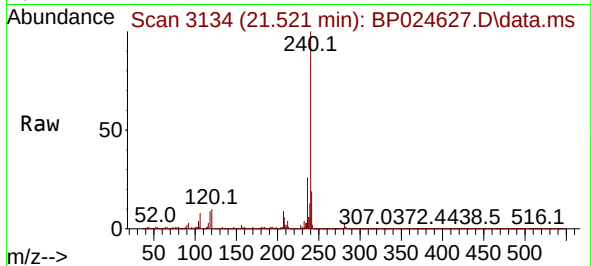




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

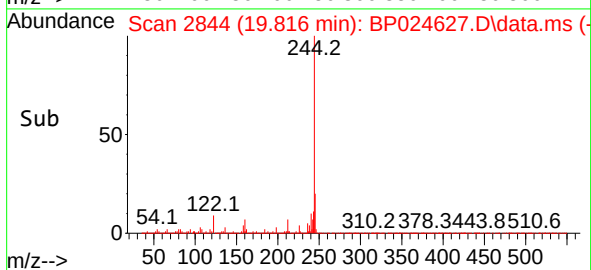
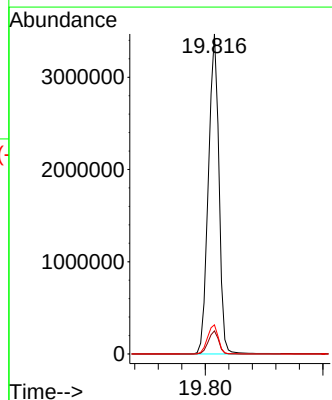
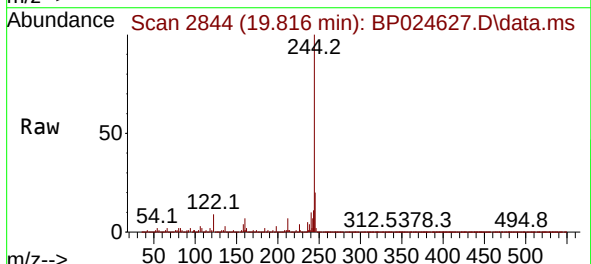
Instrument :
BNA_P
ClientSampleId :
38073-040323

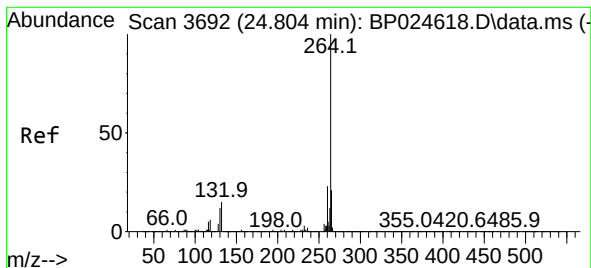
Tgt Ion:240 Resp: 739671
Ion Ratio Lower Upper
240 100
120 10.1 7.8 11.6
236 26.2 20.6 31.0



#79
Terphenyl-d14
Concen: 99.882 ng
RT: 19.816 min Scan# 2844
Delta R.T. 0.006 min
Lab File: BP024627.D
Acq: 14 May 2025 14:51

Tgt Ion:244 Resp: 4308634
Ion Ratio Lower Upper
244 100
212 7.2 5.5 8.3
122 9.1 7.4 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.798 min Scan# 30

Delta R.T. -0.006 min

Lab File: BP024627.D

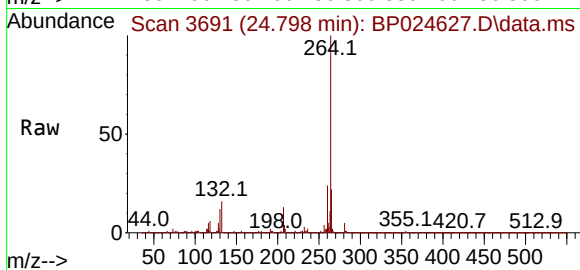
Acq: 14 May 2025 14:51

Instrument :

BNA_P

ClientSampleId :

38073-040323



Tgt Ion:264 Resp: 822647

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 22.0 17.0 25.6

