

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051425\
 Data File : BP024628.D
 Acq On : 14 May 2025 15:32
 Operator : RC/JU
 Sample : Q2000-02DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 38073-040323DL

Quant Time: May 14 15:54:56 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)

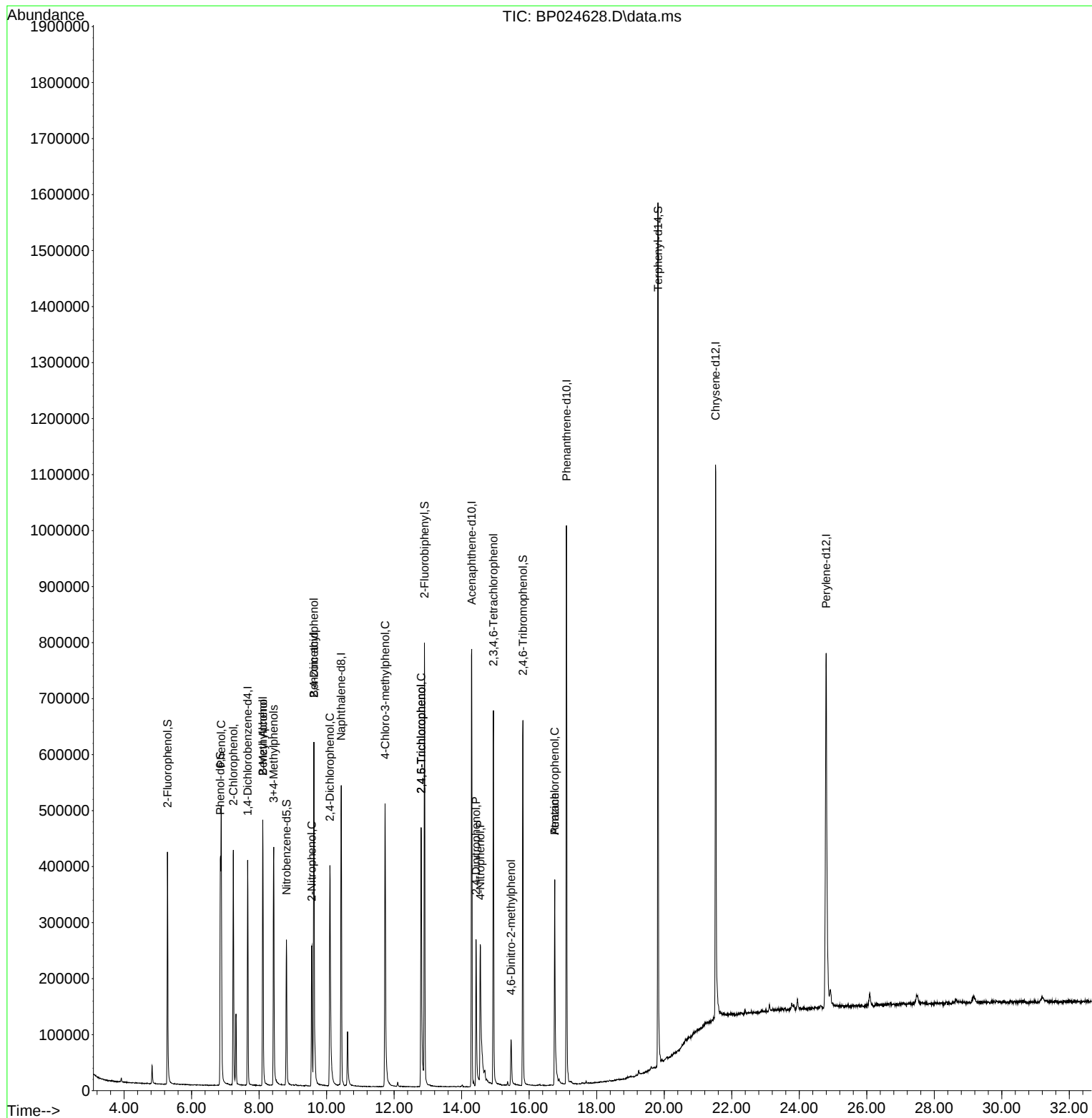
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	104914	20.000	ng	0.00
21) Naphthalene-d8	10.434	136	432470	20.000	ng	0.00
39) Acenaphthene-d10	14.298	164	279179	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	570679	20.000	ng	0.00
76) Chrysene-d12	21.521	240	662202	20.000	ng	0.00
86) Perylene-d12	24.798	264	756342	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	186146	30.347	ng	0.00
7) Phenol-d6	6.852	99	237898	30.388	ng	0.00
23) Nitrobenzene-d5	8.810	82	152614	17.830	ng	0.00
42) 2,4,6-Tribromophenol	15.816	330	144835	30.602	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	400361	18.788	ng	0.00
79) Terphenyl-d14	19.816	244	731065	18.930	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	7.240	128	191994	27.572	ng	99
10) Phenol	6.881	94	270083	33.426	ng	98
15) Benzyl Alcohol	8.110	79	71208	11.969	ng	# 1
17) 2-Methylphenol	8.110	107	150368	25.946	ng	99
20) 3+4-Methylphenols	8.434	107	215259	27.306	ng	94
26) 2-Nitrophenol	9.563	139	88211	23.899	ng	95
27) 2,4-Dimethylphenol	9.622	122	193753	29.774	ng	99
29) 2,4-Dichlorophenol	10.099	162	188669	29.918	ng	99
32) Benzoic acid	9.622	122	193753	43.582	ng	# 14
36) 4-Chloro-3-methylphenol	11.734	107	221915	28.857	ng	98
43) 2,4,6-Trichlorophenol	12.804	196	160139	30.497	ng	98
44) 2,4,5-Trichlorophenol	12.804	196	160139	27.397	ng	98
54) 2,4-Dinitrophenol	14.428	184	73084	30.127	ng	100
56) 4-Nitrophenol	14.551	139	127619	34.658	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.939	232	134784	24.858	ng	100
65) 4,6-Dinitro-2-methylph...	15.463	198	26642	7.227	ng	98
69) Atrazine	16.757	200	13586	2.115	ng	# 37
70) Pentachlorophenol	16.757	266	82408	17.181	ng	99

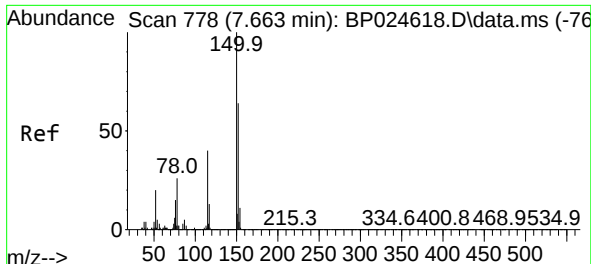
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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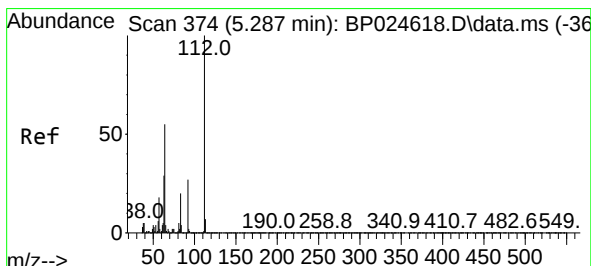
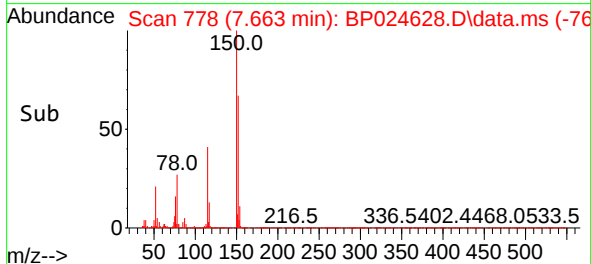
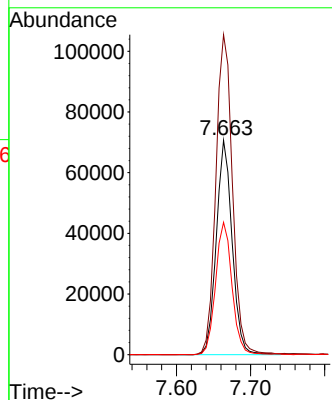
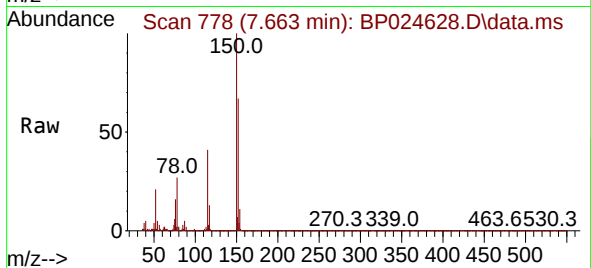




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

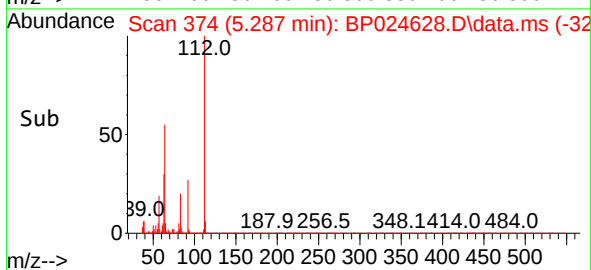
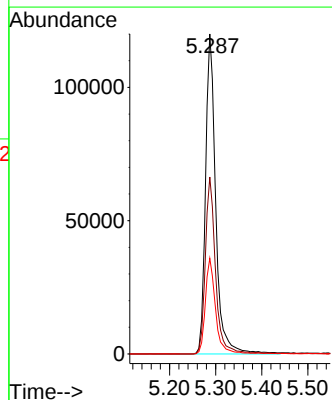
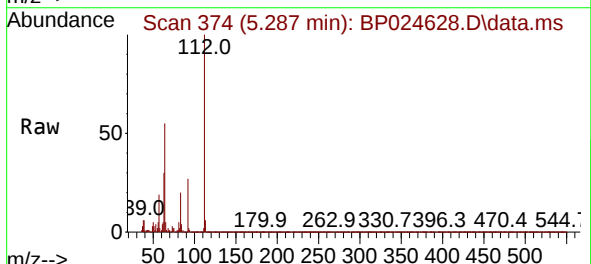
Instrument :
BNA_P
ClientSampleId :
38073-040323DL

Tgt Ion:152 Resp: 104914
Ion Ratio Lower Upper
152 100
150 149.2 125.9 188.9
115 61.7 50.1 75.1



#5
2-Fluorophenol
Concen: 30.347 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

Tgt Ion:112 Resp: 186146
Ion Ratio Lower Upper
112 100
64 55.3 44.1 66.1
63 29.9 23.5 35.3

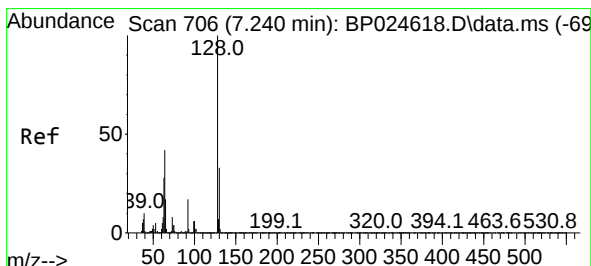
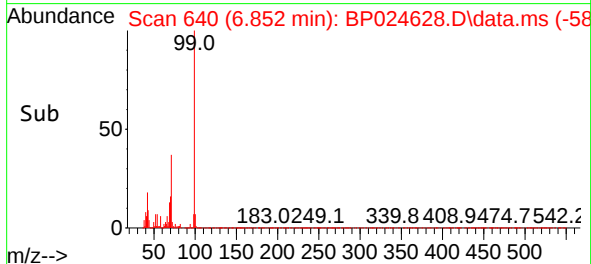
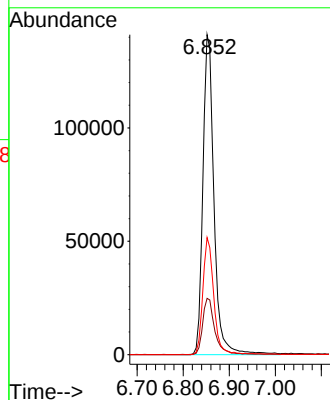
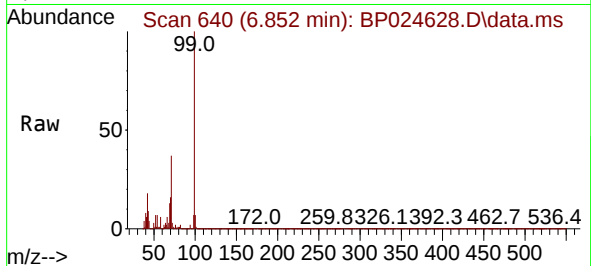




#7
Phenol-d6
Concen: 30.388 ng
RT: 6.852 min Scan# 640
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

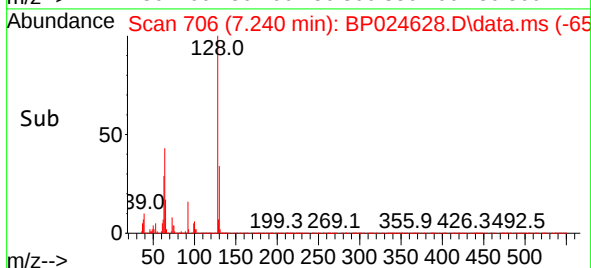
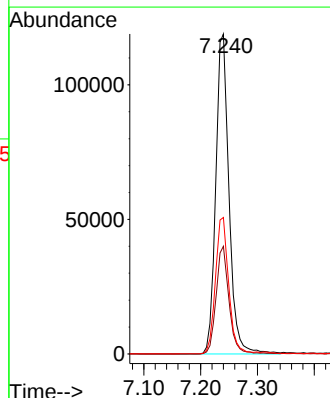
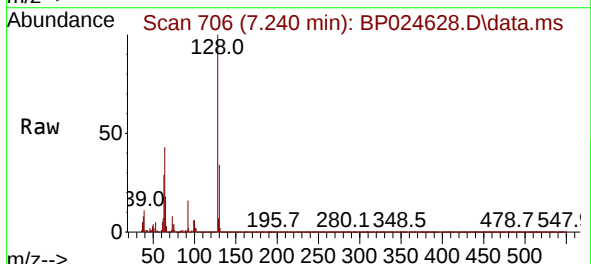
Instrument :
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ClientSampleId :
38073-040323DL

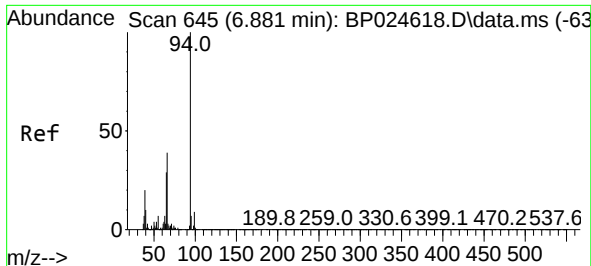
Tgt Ion: 99 Resp: 237898
Ion Ratio Lower Upper
99 100
42 17.6 14.4 21.6
71 36.6 29.2 43.8



#8
2-Chlorophenol
Concen: 27.572 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

Tgt Ion: 128 Resp: 191994
Ion Ratio Lower Upper
128 100
130 33.6 13.0 53.0
64 42.7 22.3 62.3

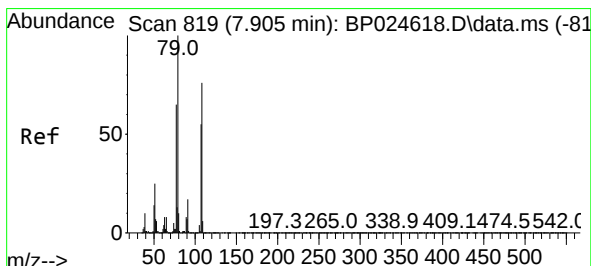
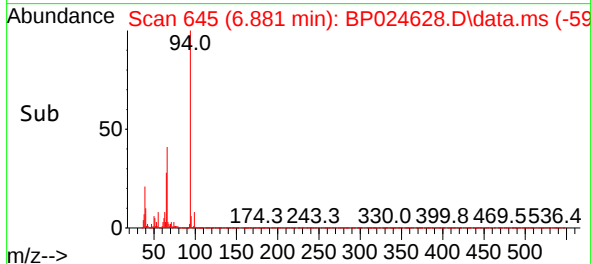
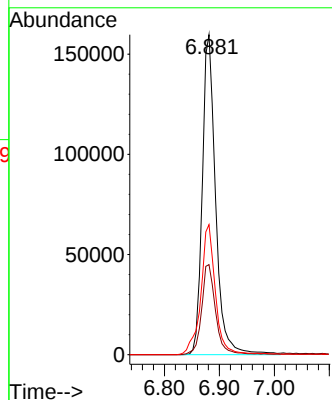
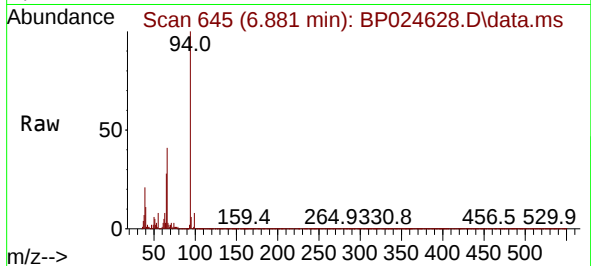




#10
Phenol
Concen: 33.426 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

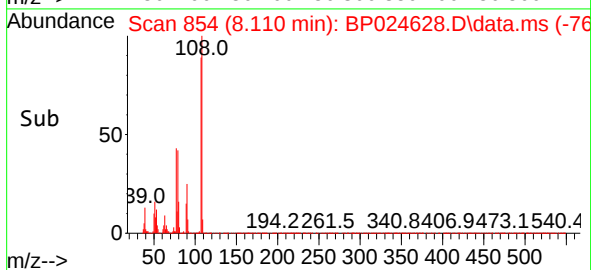
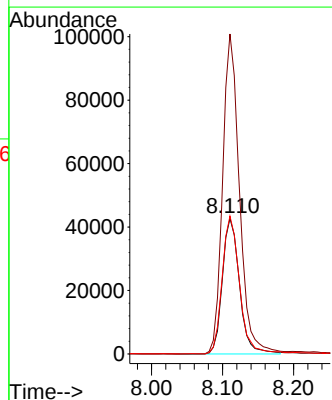
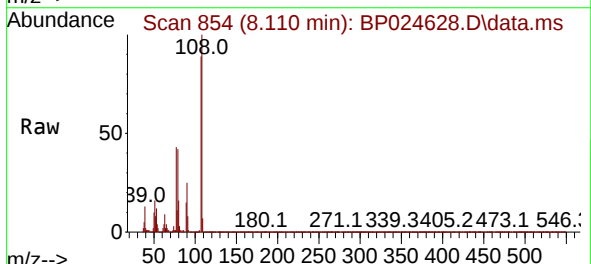
Instrument :
BNA_P
ClientSampleId :
38073-040323DL

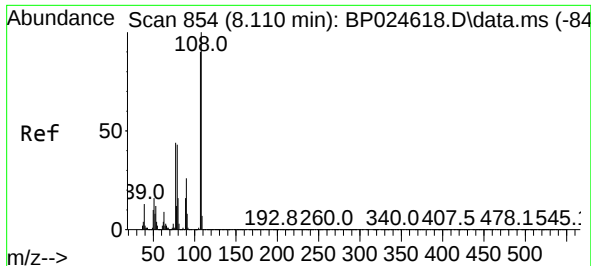
Tgt Ion: 94 Resp: 270083
Ion Ratio Lower Upper
94 100
65 28.2 8.7 48.7
66 40.6 19.4 59.4



#15
Benzyl Alcohol
Concen: 11.969 ng
RT: 8.110 min Scan# 854
Delta R.T. 0.206 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

Tgt Ion: 79 Resp: 71208
Ion Ratio Lower Upper
79 100
108 236.1 60.8 91.2#
77 101.8 51.9 77.9#

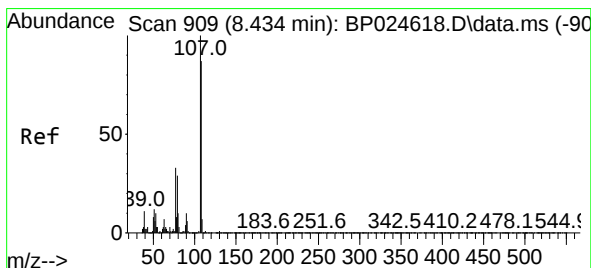
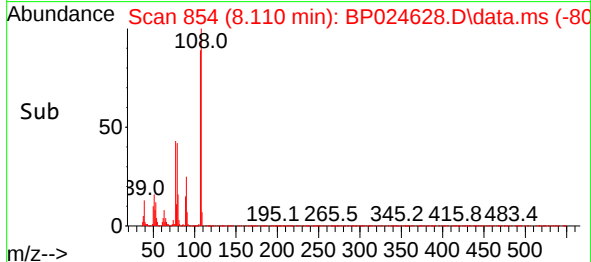
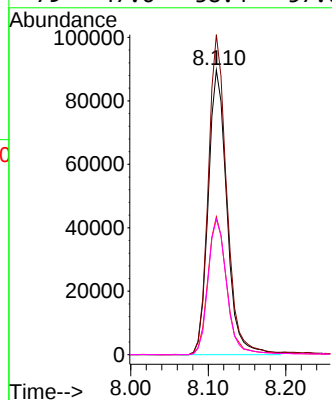
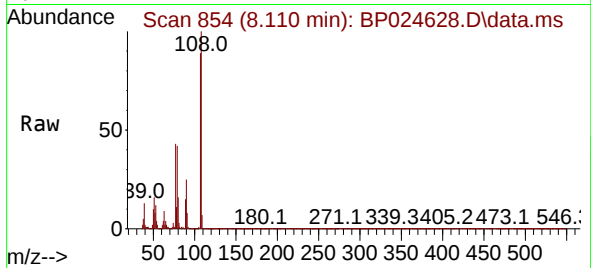




#17
2-Methylphenol
Concen: 25.946 ng
RT: 8.110 min Scan# 854
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

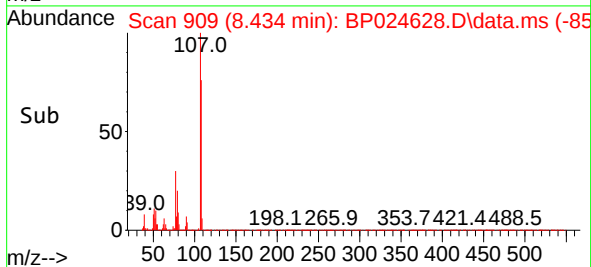
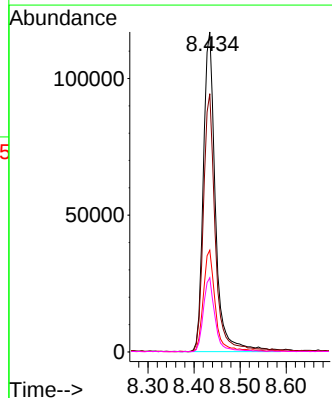
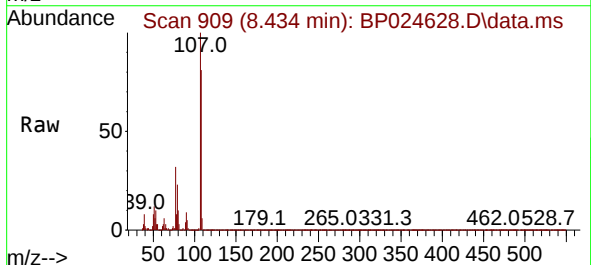
Instrument :
BNA_P
ClientSampleId :
38073-040323DL

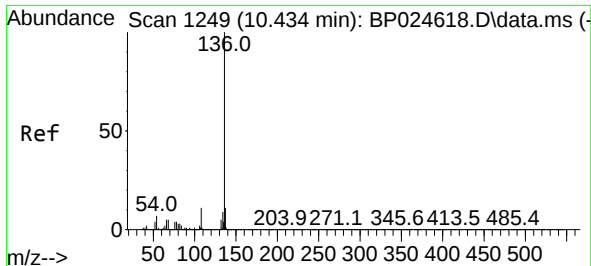
Tgt Ion:	107	Resp:	150368
Ion	Ratio	Lower	Upper
107	100		
108	112.4	88.9	133.3
77	48.4	39.0	58.6
79	47.6	38.4	57.6



#20
3+4-Methylphenols
Concen: 27.306 ng
RT: 8.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

Tgt Ion:	107	Resp:	215259
Ion	Ratio	Lower	Upper
107	100		
108	80.7	66.7	106.7
77	31.8	13.1	53.1
79	23.2	8.9	48.9

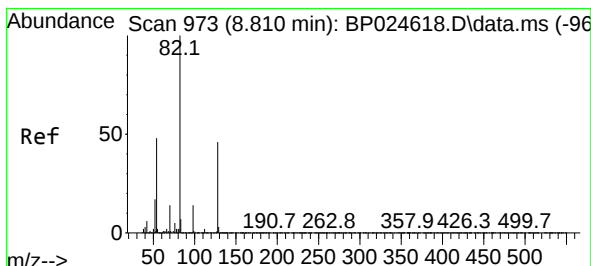
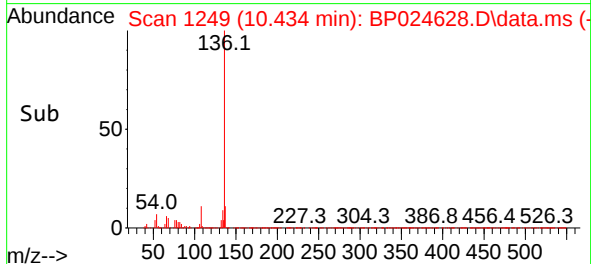
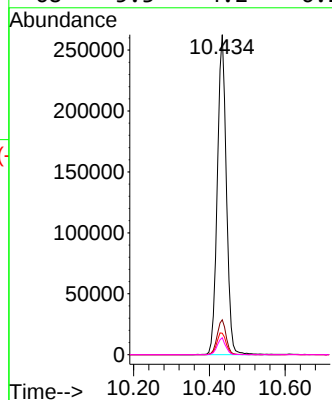
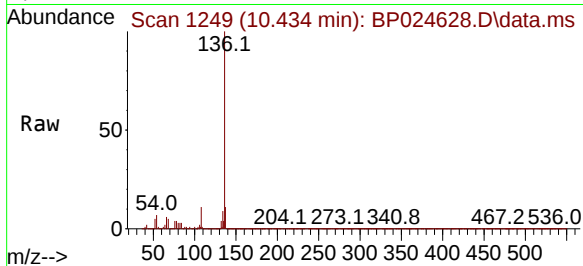




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

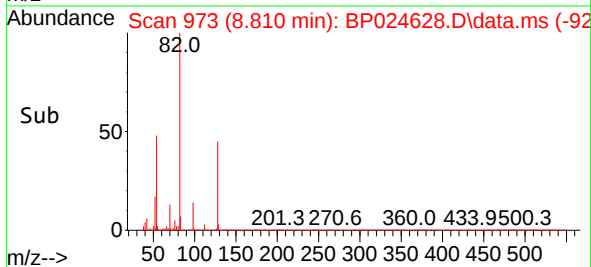
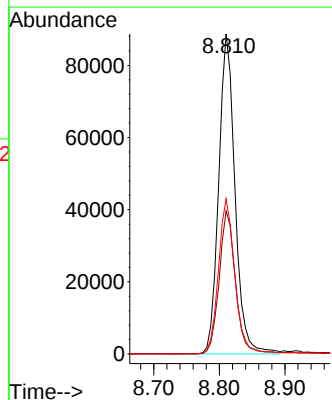
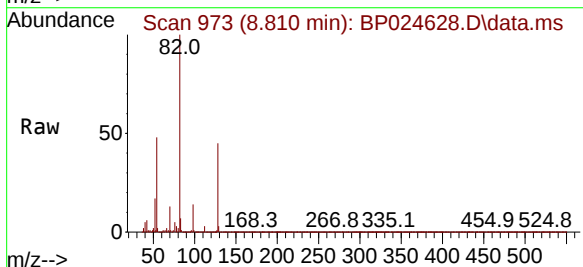
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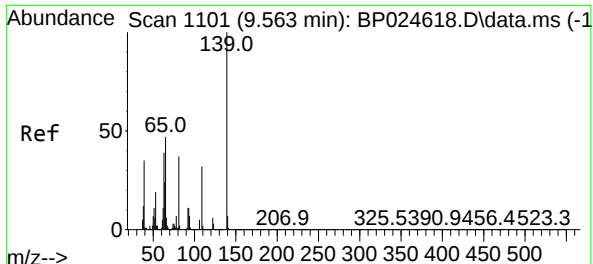
Tgt Ion:	136	Resp:	432470
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.7	5.5	8.3
68	5.3	4.2	6.2



#23
Nitrobenzene-d5
Concen: 17.830 ng
RT: 8.810 min Scan# 973
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

Tgt Ion:	82	Resp:	152614
Ion	Ratio	Lower	Upper
82	100		
128	44.7	37.0	55.4
54	48.5	38.7	58.1

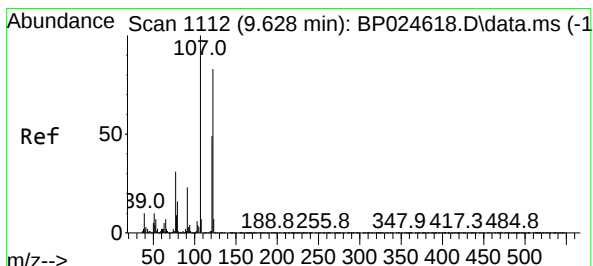
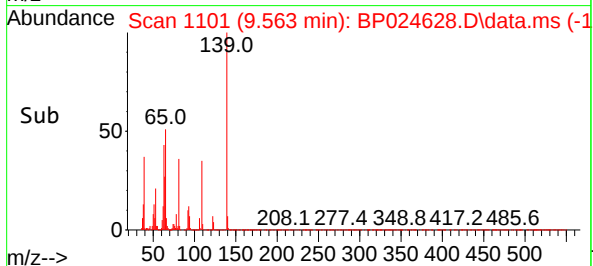
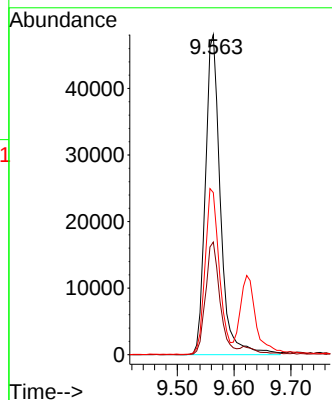
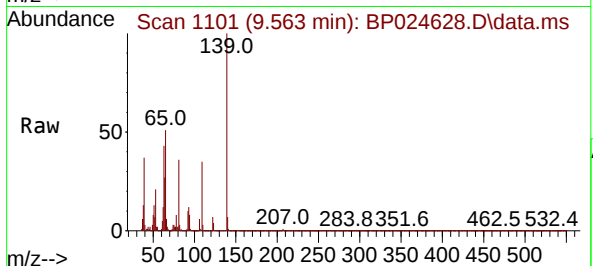




#26
2-Nitrophenol
Concen: 23.899 ng
RT: 9.563 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

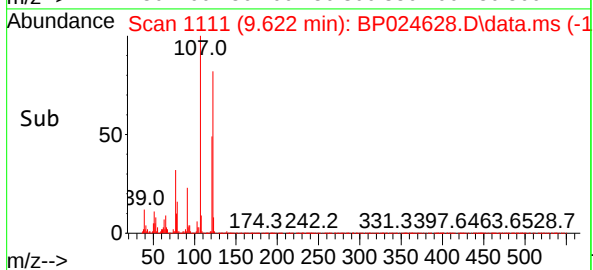
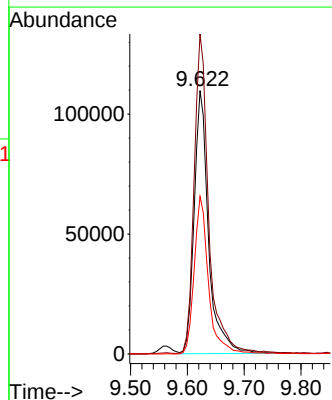
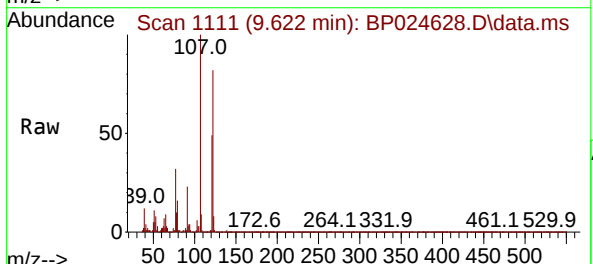
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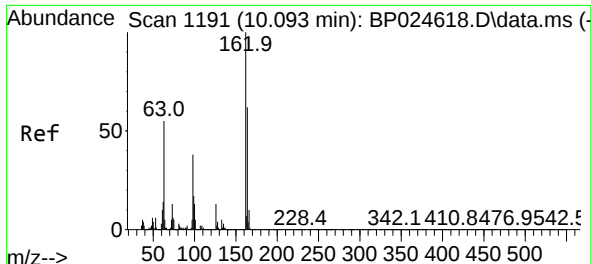
Tgt Ion:139 Resp: 88211
Ion Ratio Lower Upper
139 100
109 35.2 25.9 38.9
65 50.7 37.9 56.9



#27
2,4-Dimethylphenol
Concen: 29.774 ng
RT: 9.622 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

Tgt Ion:122 Resp: 193753
Ion Ratio Lower Upper
122 100
107 121.5 96.2 144.2
121 59.8 47.6 71.4





#29

2,4-Dichlorophenol

Concen: 29.918 ng

RT: 10.099 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BP024628.D

Acq: 14 May 2025 15:32

Instrument :

BNA_P

ClientSampleId :

38073-040323DL

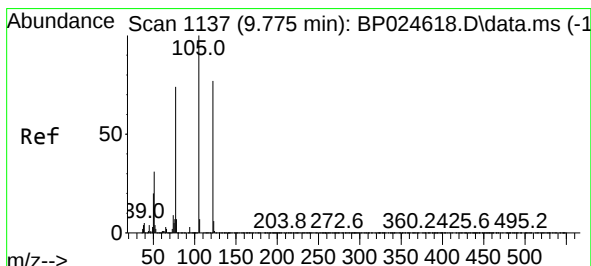
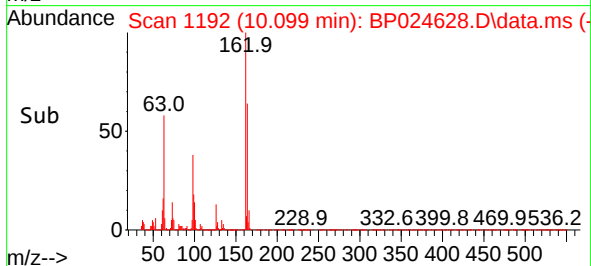
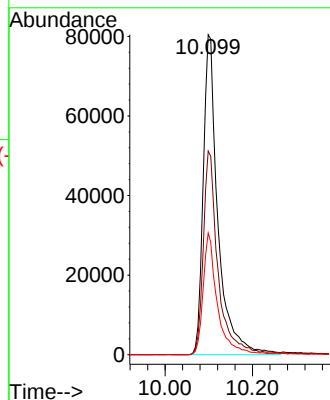
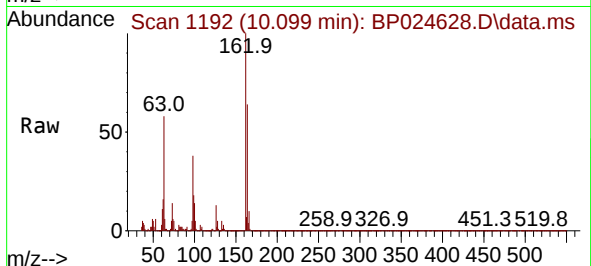
Tgt Ion:162 Resp: 188669

Ion Ratio Lower Upper

162 100

164 63.6 42.3 82.3

98 38.0 18.4 58.4



#32

Benzoic acid

Concen: 43.582 ng

RT: 9.622 min Scan# 1111

Delta R.T. -0.153 min

Lab File: BP024628.D

Acq: 14 May 2025 15:32

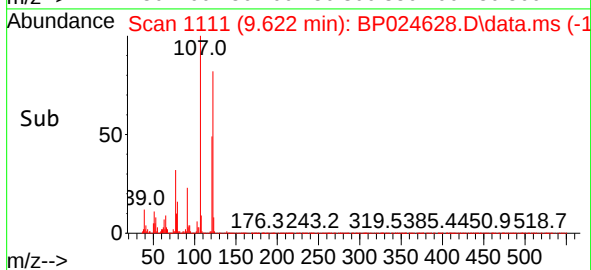
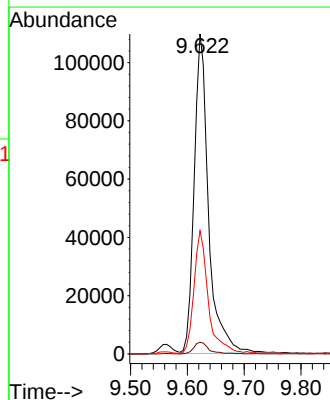
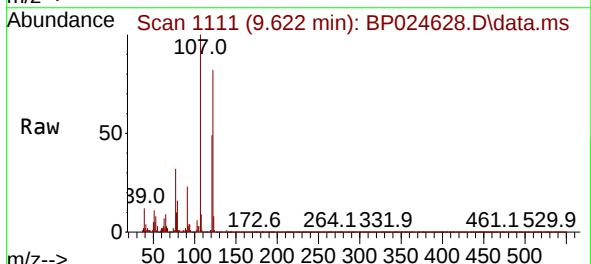
Tgt Ion:122 Resp: 193753

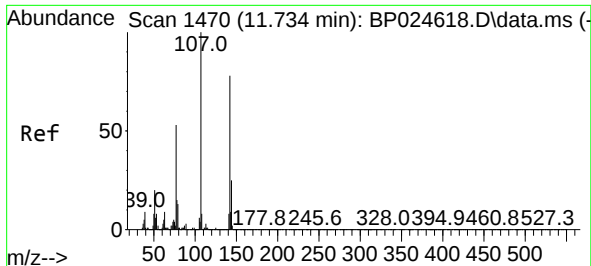
Ion Ratio Lower Upper

122 100

105 3.7 106.9 146.9#

77 38.5 75.1 115.1#

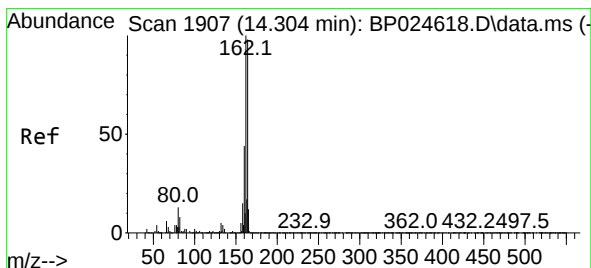
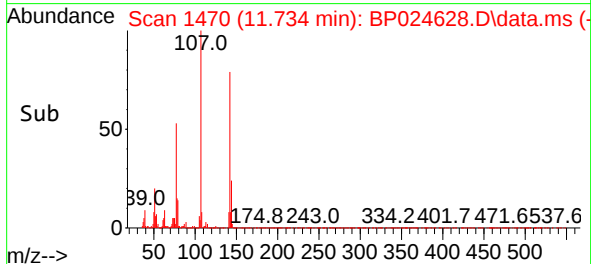
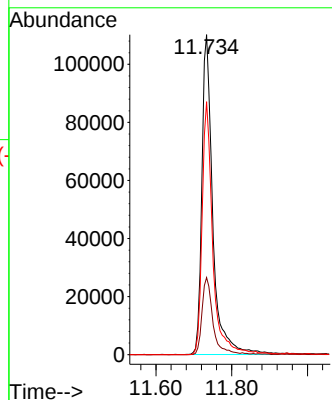
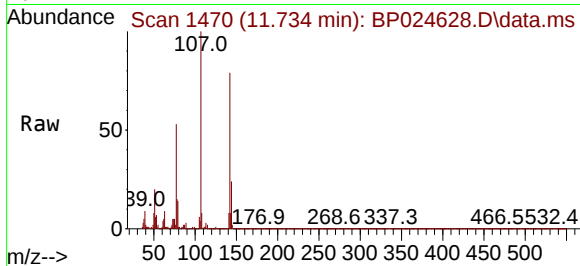




#36
4-Chloro-3-methylphenol
Concen: 28.857 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

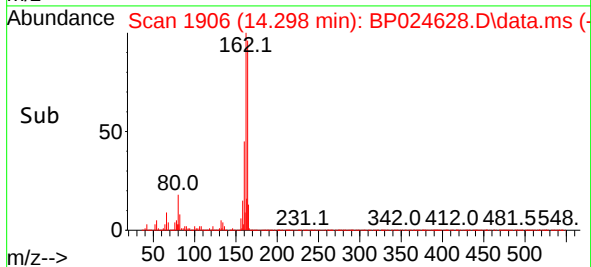
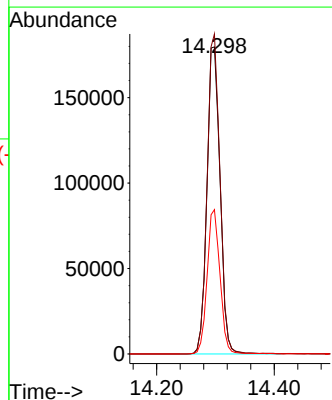
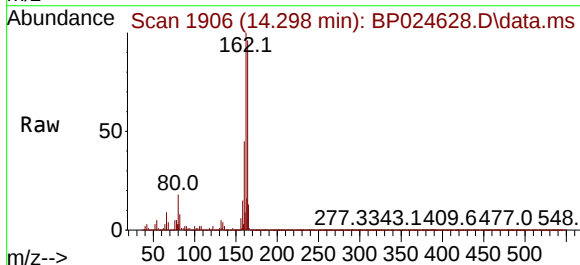
Instrument :
BNA_P
ClientSampleId :
38073-040323DL

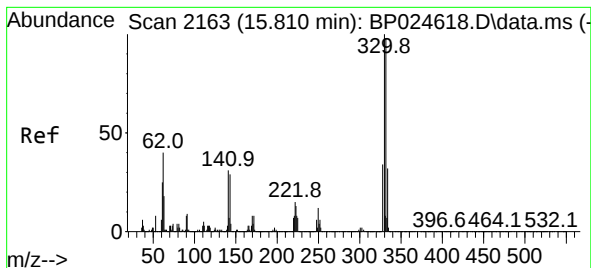
Tgt Ion:107 Resp: 221915
Ion Ratio Lower Upper
107 100
144 24.1 20.1 30.1
142 79.1 62.1 93.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.298 min Scan# 1906
Delta R.T. -0.006 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

Tgt Ion:164 Resp: 279179
Ion Ratio Lower Upper
164 100
162 104.2 81.8 122.6
160 47.0 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 30.602 ng

RT: 15.816 min Scan# 2163

Delta R.T. 0.006 min

Lab File: BP024628.D

Acq: 14 May 2025 15:32

Instrument :

BNA_P

ClientSampleId :

38073-040323DL

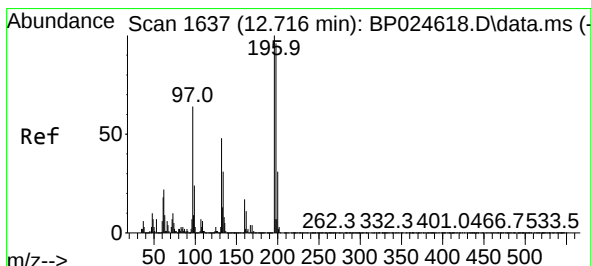
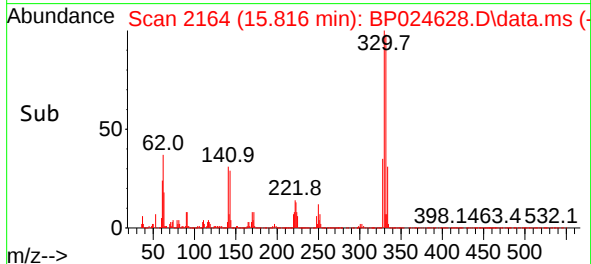
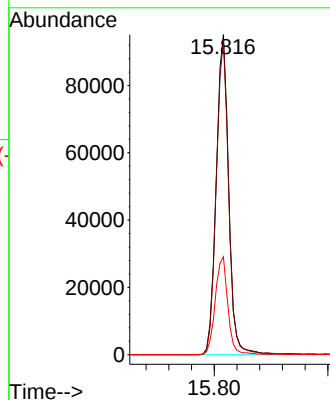
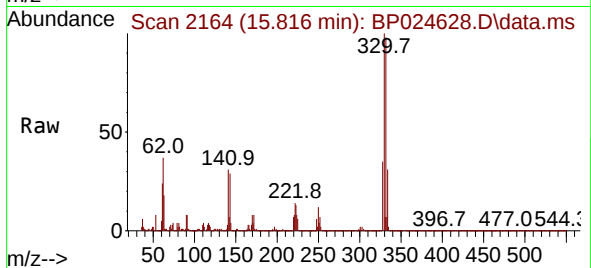
Tgt Ion:330 Resp: 144835

Ion Ratio Lower Upper

330 100

332 97.4 78.2 117.4

141 30.9 24.3 36.5



#43

2,4,6-Trichlorophenol

Concen: 30.497 ng

RT: 12.804 min Scan# 1652

Delta R.T. 0.088 min

Lab File: BP024628.D

Acq: 14 May 2025 15:32

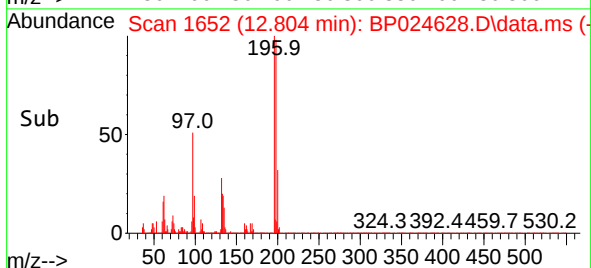
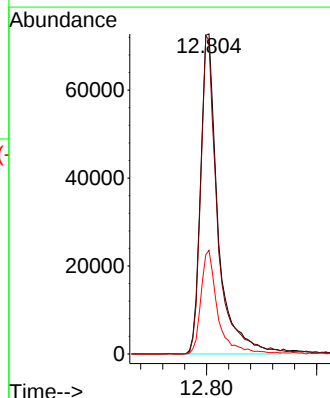
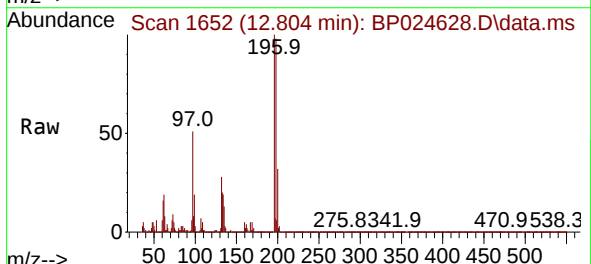
Tgt Ion:196 Resp: 160139

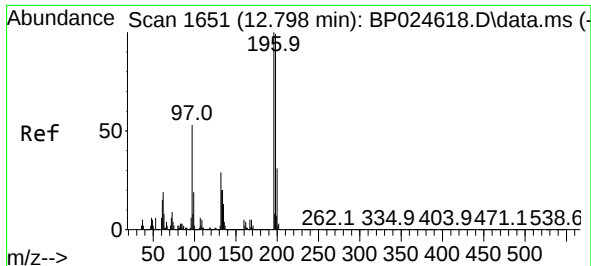
Ion Ratio Lower Upper

196 100

198 98.0 76.9 115.3

200 32.4 25.2 37.8

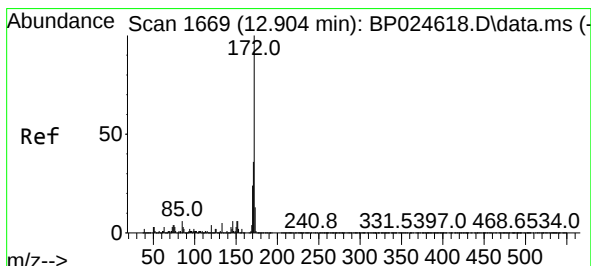
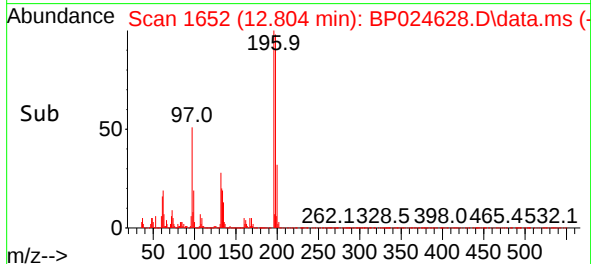
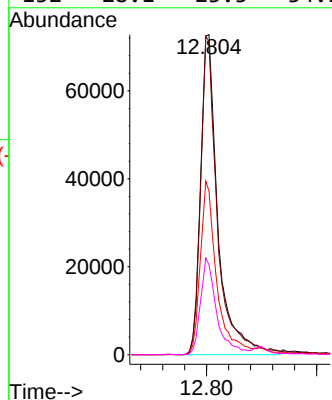
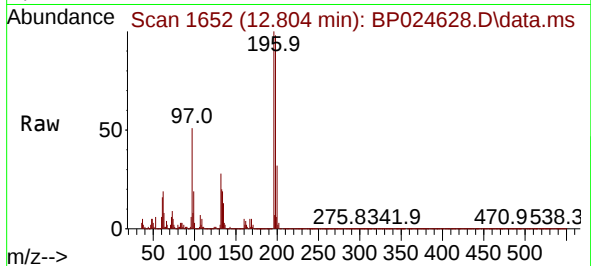




#44
2,4,5-Trichlorophenol
Concen: 27.397 ng
RT: 12.804 min Scan# 1651
Delta R.T. 0.006 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

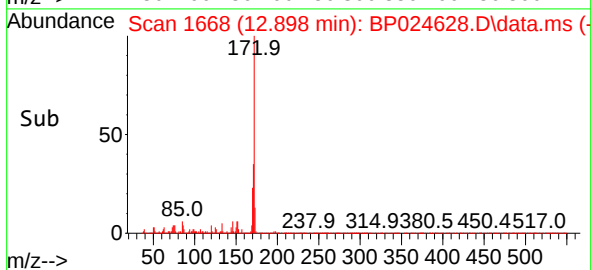
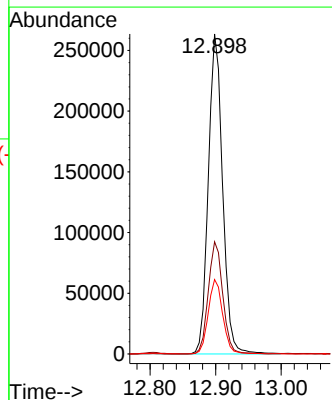
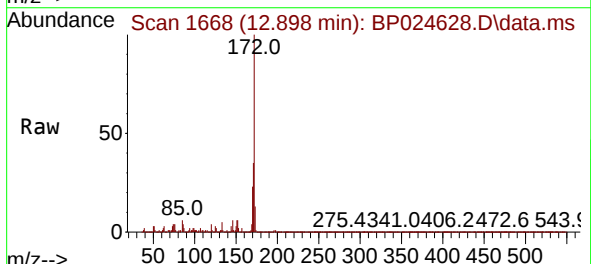
Instrument :
BNA_P
ClientSampleId :
38073-040323DL

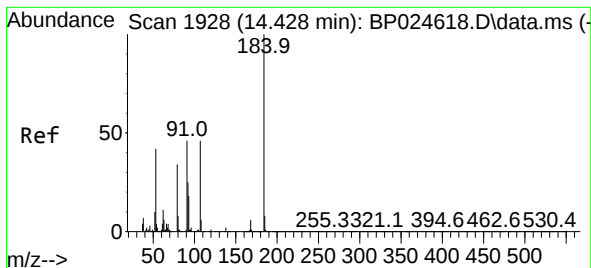
Tgt Ion:	196	Resp:	160139
Ion Ratio	Lower	Upper	
196	100		
198	98.0	79.2	118.8
97	51.1	42.3	63.5
132	28.1	23.3	34.9



#45
2-Fluorobiphenyl
Concen: 18.788 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

Tgt Ion:	172	Resp:	400361
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.8	43.2
170	23.3	18.8	28.2

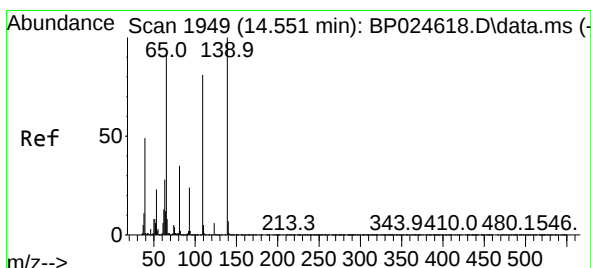
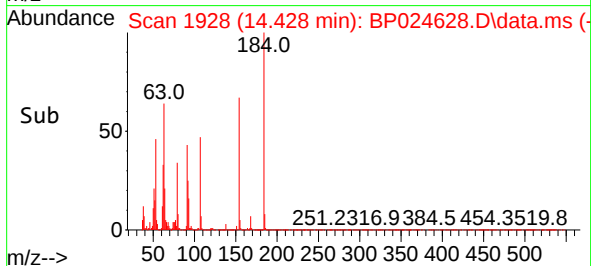
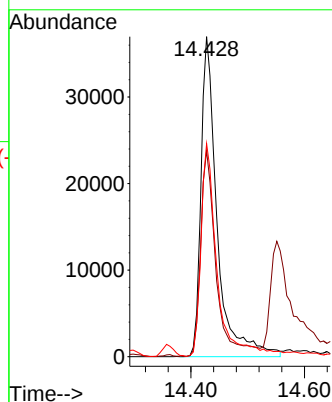
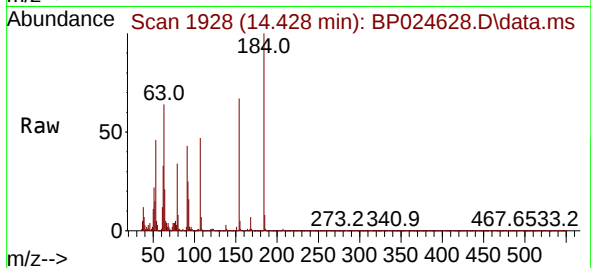




#54
2,4-Dinitrophenol
Concen: 30.127 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

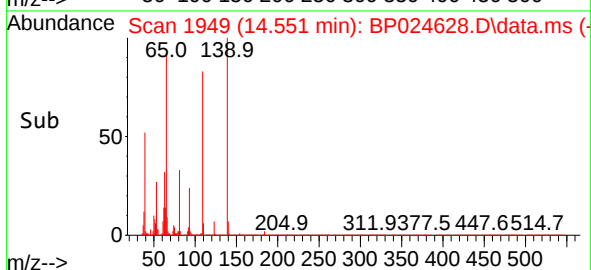
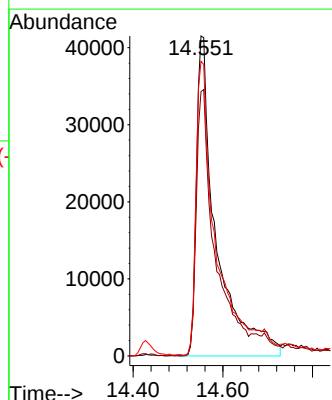
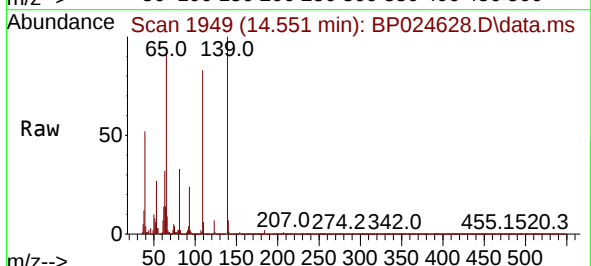
Instrument :
BNA_P
ClientSampleId :
38073-040323DL

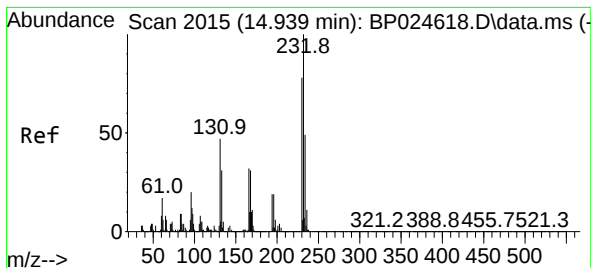
Tgt Ion:184 Resp: 73084
Ion Ratio Lower Upper
184 100
63 64.3 51.3 76.9
154 66.6 53.5 80.3



#56
4-Nitrophenol
Concen: 34.658 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

Tgt Ion:139 Resp: 127619
Ion Ratio Lower Upper
139 100
109 82.6 61.4 101.4
65 92.1 72.2 112.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 24.858 ng

RT: 14.939 min Scan# 20

Delta R.T. 0.000 min

Lab File: BP024628.D

Acq: 14 May 2025 15:32

Instrument :

BNA_P

ClientSampleId :

38073-040323DL

Tgt Ion:232 Resp: 134784

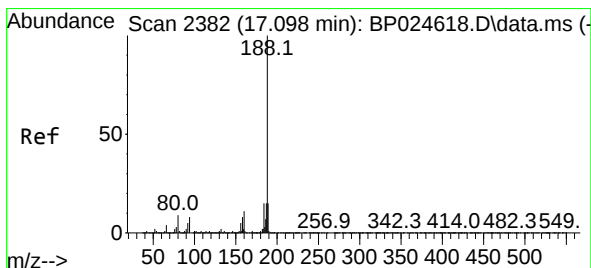
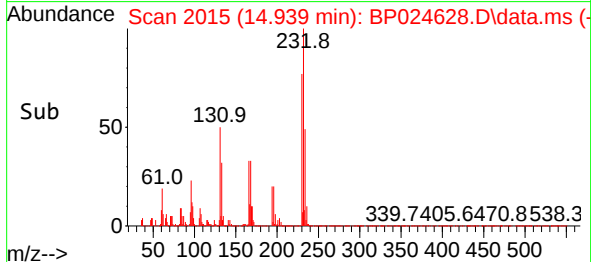
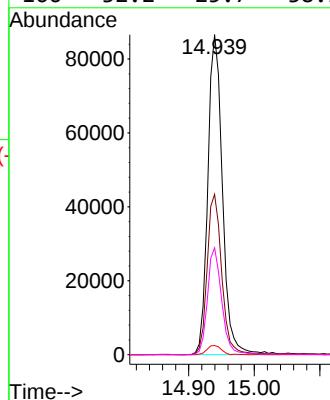
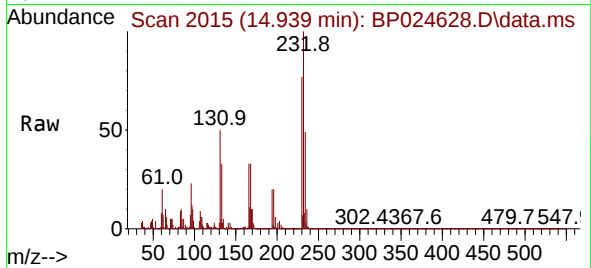
Ion Ratio Lower Upper

232 100

131 49.8 39.5 59.3

130 2.9 2.2 3.4

166 32.2 25.7 38.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.104 min Scan# 2383

Delta R.T. 0.006 min

Lab File: BP024628.D

Acq: 14 May 2025 15:32

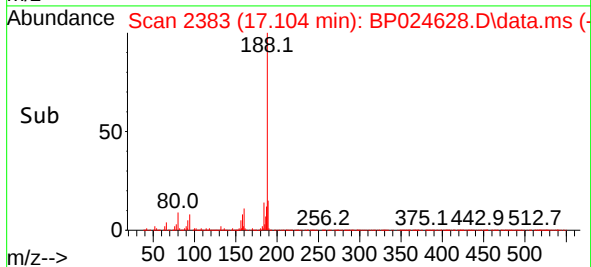
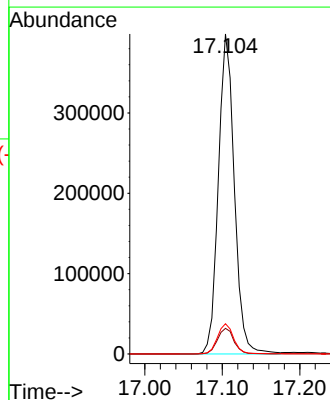
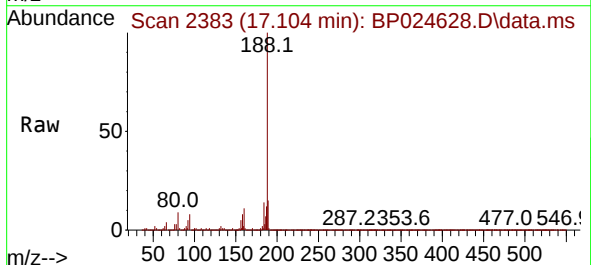
Tgt Ion:188 Resp: 570679

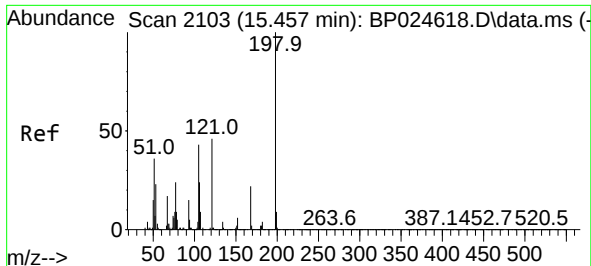
Ion Ratio Lower Upper

188 100

94 8.0 6.5 9.7

80 9.5 7.3 10.9

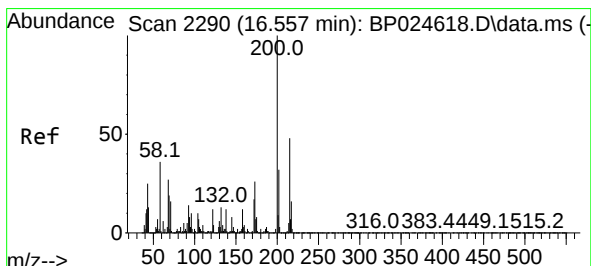
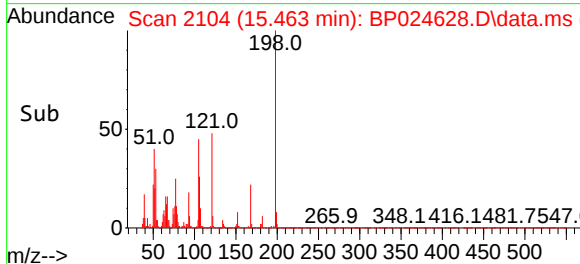
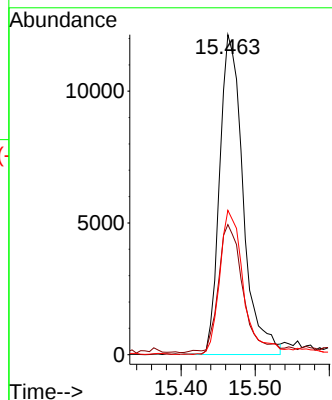
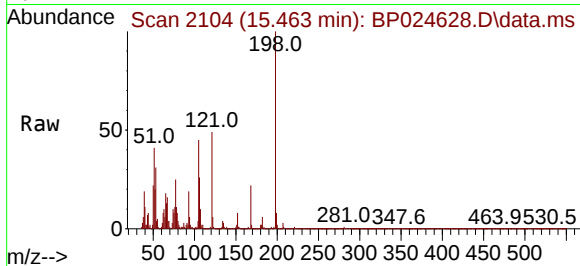




#65
4,6-Dinitro-2-methylphenol
Concen: 7.227 ng
RT: 15.463 min Scan# 2104
Delta R.T. 0.006 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

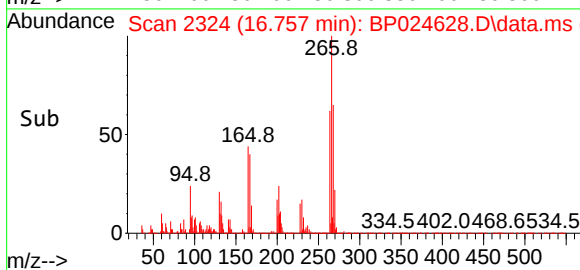
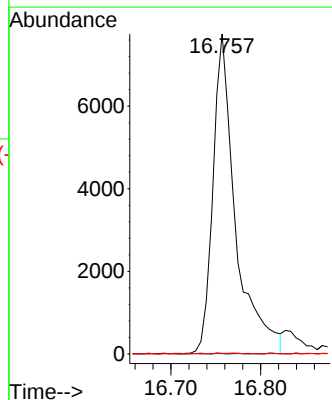
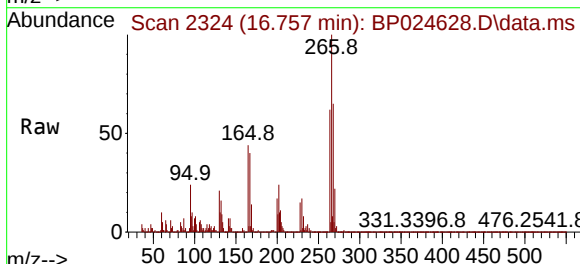
Instrument :
BNA_P
ClientSampleId :
38073-040323DL

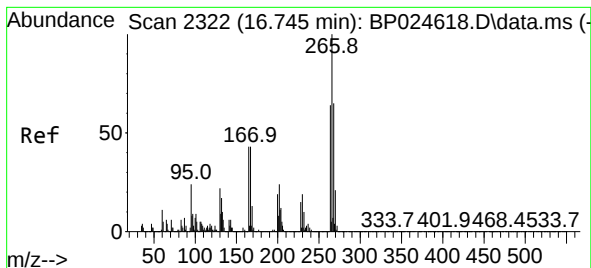
Tgt Ion	Ratio	Lower	Upper
198	100		
51	40.7	21.1	61.1
105	45.1	23.6	63.6



#69
Atrazine
Concen: 2.115 ng
RT: 16.757 min Scan# 2324
Delta R.T. 0.200 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

Tgt Ion	Ratio	Lower	Upper
200	100		
173	0.3	5.9	45.9#
215	0.6	28.3	68.3#





#70

Pentachlorophenol

Concen: 17.181 ng

RT: 16.757 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP024628.D

Acq: 14 May 2025 15:32

Instrument :

BNA_P

ClientSampleId :

38073-040323DL

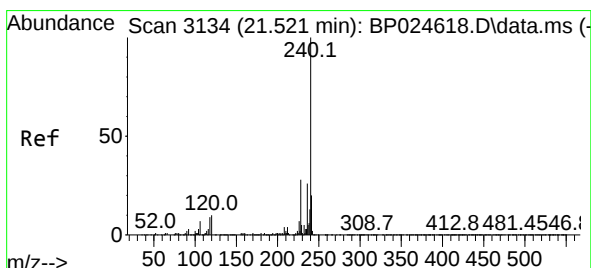
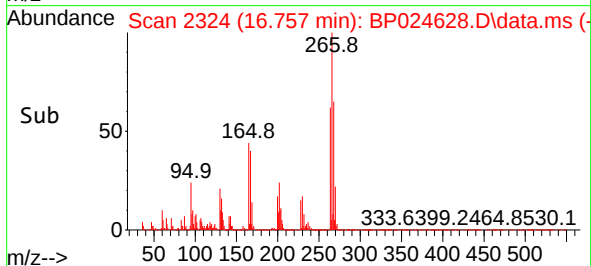
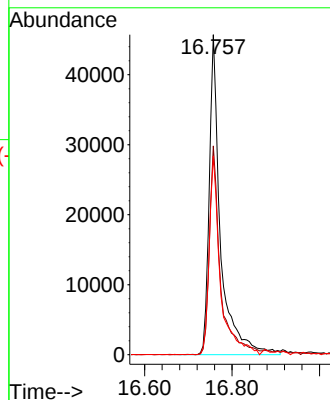
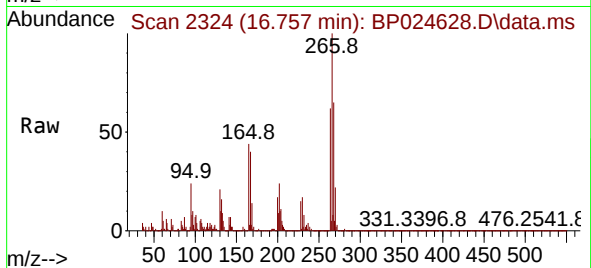
Tgt Ion:266 Resp: 82408

Ion Ratio Lower Upper

266 100

268 65.2 52.2 78.4

264 62.1 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: BP024628.D

Acq: 14 May 2025 15:32

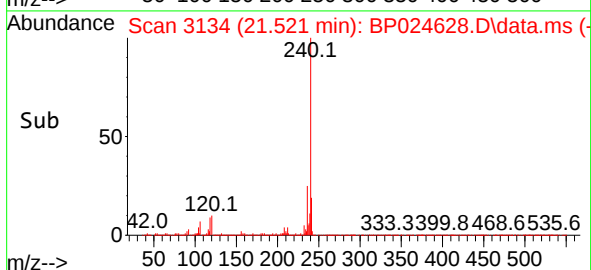
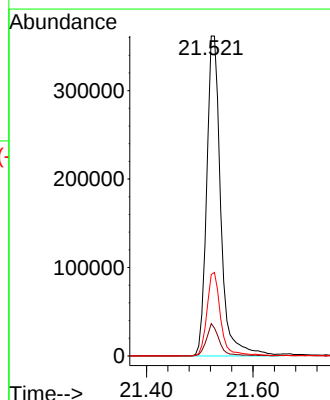
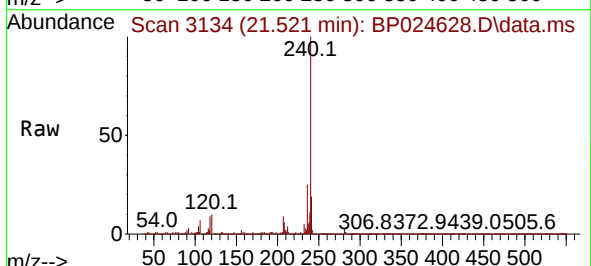
Tgt Ion:240 Resp: 662202

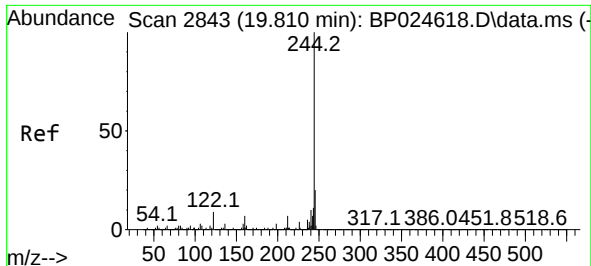
Ion Ratio Lower Upper

240 100

120 10.1 7.8 11.6

236 25.5 20.6 31.0

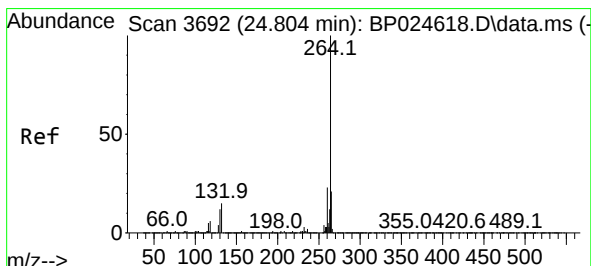
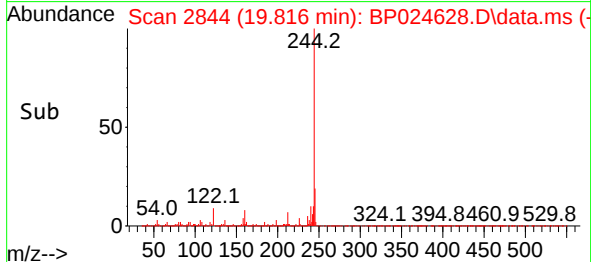
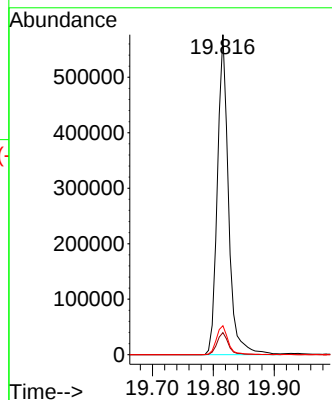
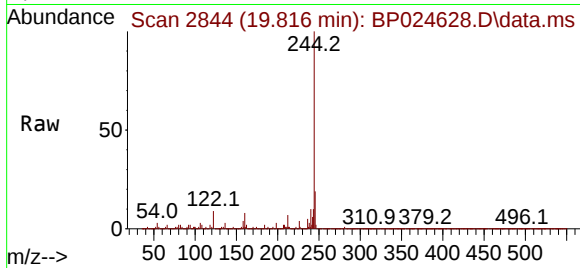




#79
 Terphenyl-d14
 Concen: 18.930 ng
 RT: 19.816 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP024628.D
 Acq: 14 May 2025 15:32

Instrument :
 BNA_P
 ClientSampleId :
 38073-040323DL

Tgt Ion:244 Resp: 731065
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 9.1 7.4 11.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.798 min Scan# 3691
 Delta R.T. -0.006 min
 Lab File: BP024628.D
 Acq: 14 May 2025 15:32

Tgt Ion:264 Resp: 756342
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 21.6 17.0 25.6

