

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)

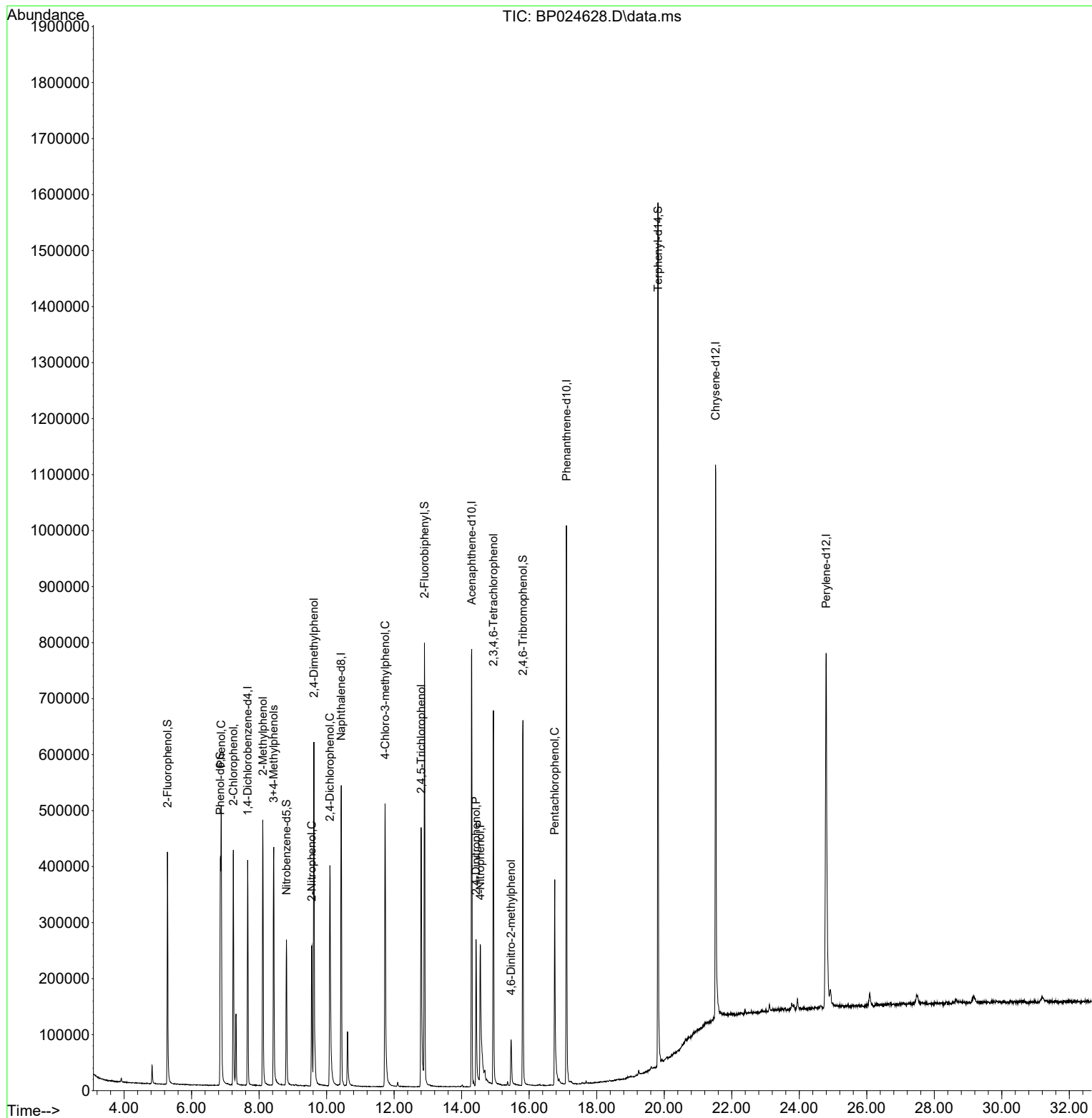
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	104914	20.000	ng	0.00
21) Naphthalene-d8	10.434	136	432470	20.000	ng	0.00
39) Acenaphthene-d10	14.298	164	279179	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	570679	20.000	ng	0.00
76) Chrysene-d12	21.521	240	662202	20.000	ng	0.00
86) Perylene-d12	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
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
36) 4-Chloro-3-methylphenol	11.734	107	221915	28.857	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
70) Pentachlorophenol	16.757	266	82408	17.181	ng	99

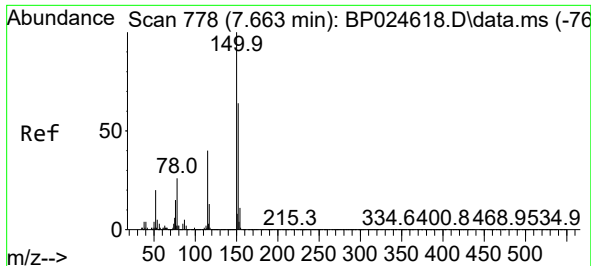
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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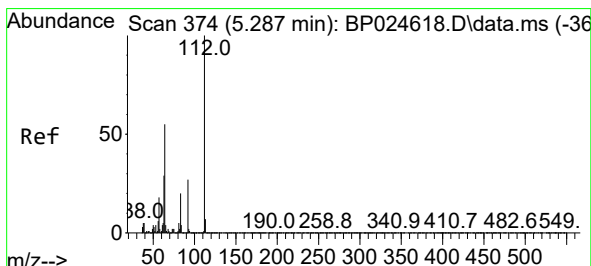
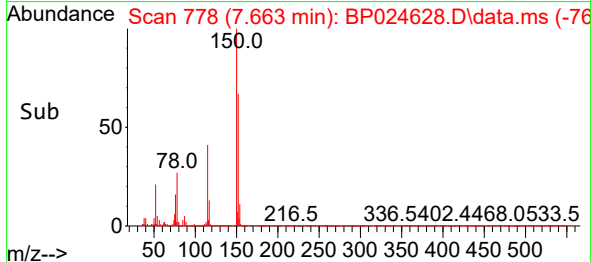
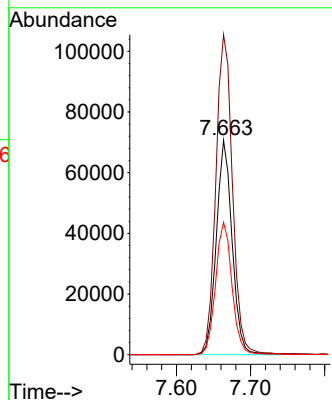
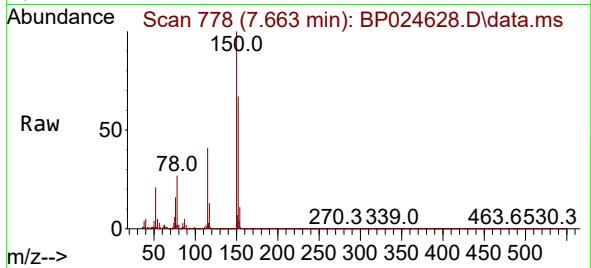




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

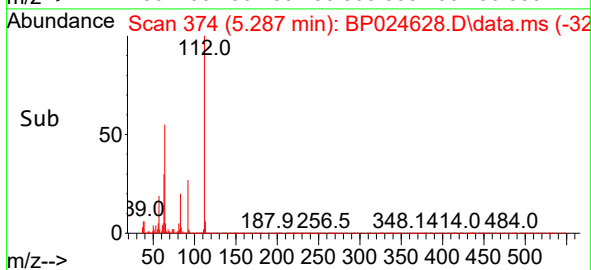
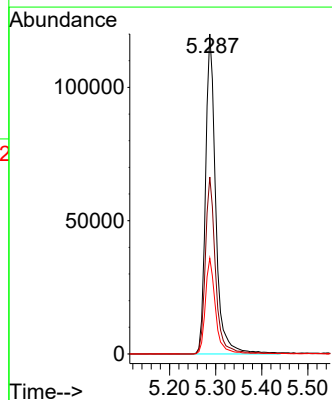
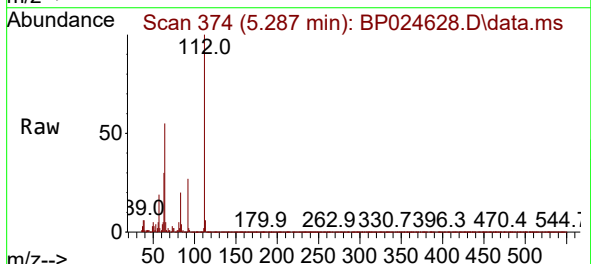
Instrument :
BNA_P
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38073-040323DL

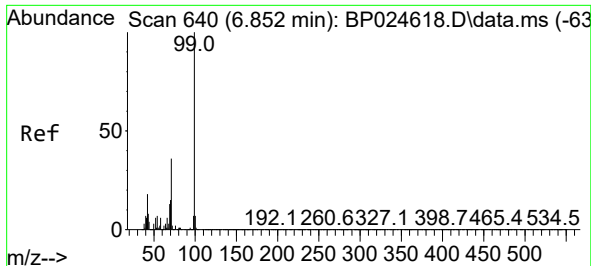
Tgt Ion:152 Resp: 104914
Ion Ratio Lower Upper
152 100
150 149.2 125.9 188.9
115 61.7 50.1 75.1



#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

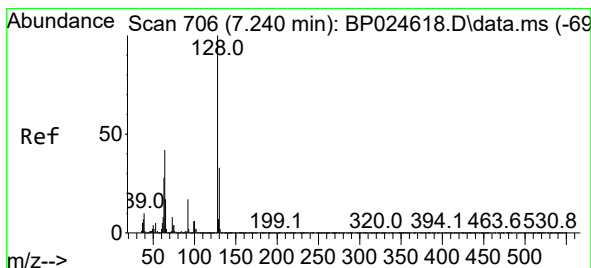
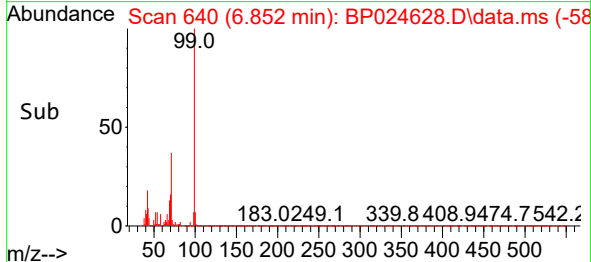
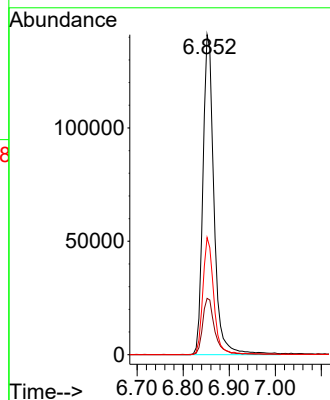
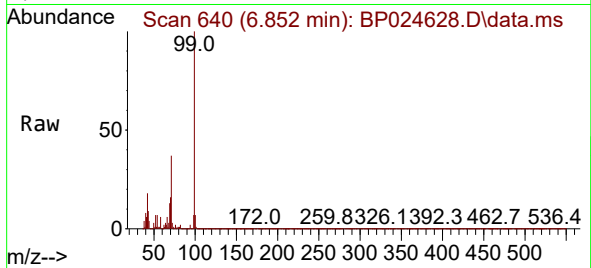




#7
Phenol-d6
Concen: 30.388 ng
RT: 6.852 min Scan# 640
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

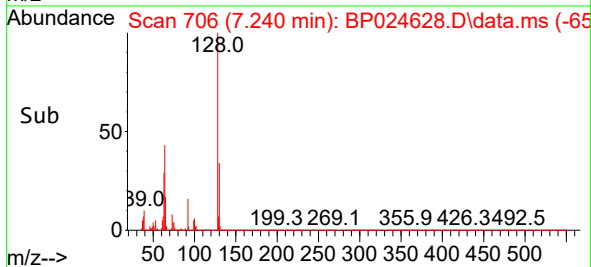
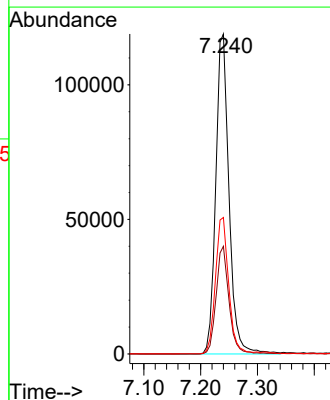
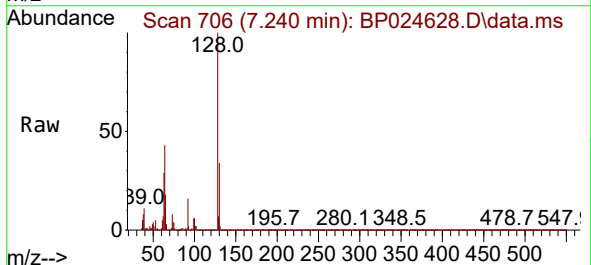
Instrument :
BNA_P
ClientSampleId :
38073-040323DL

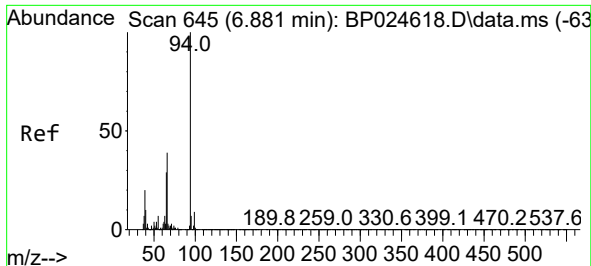
Tgt Ion: 99 Resp: 237898
Ion Ratio Lower Upper
99 100
42 17.6 14.4 21.6
71 36.6 29.2 43.8



#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

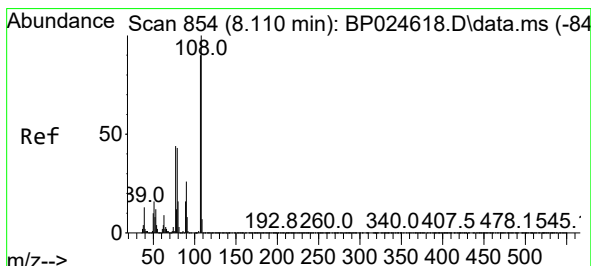
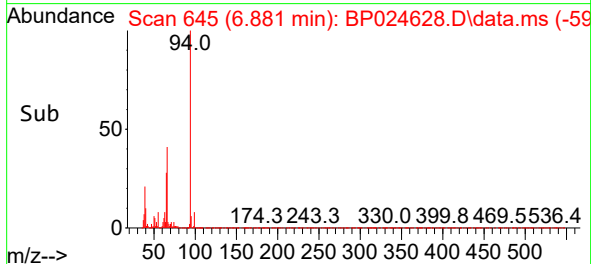
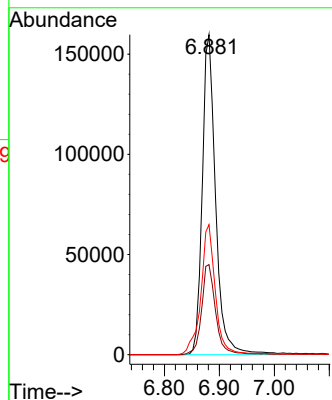
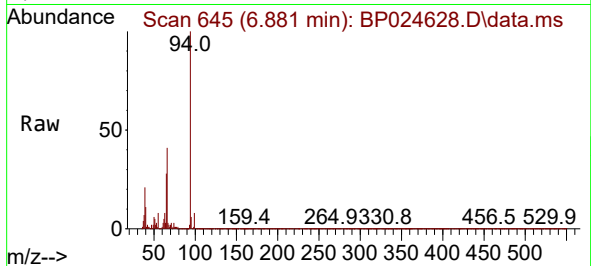




#10
Phenol
Concen: 33.426 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

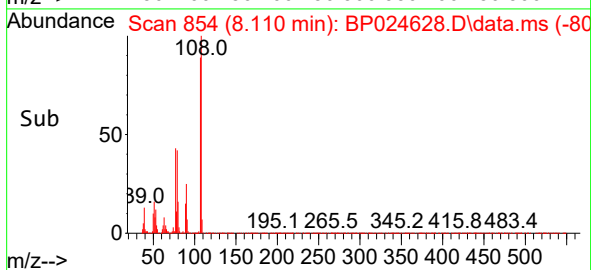
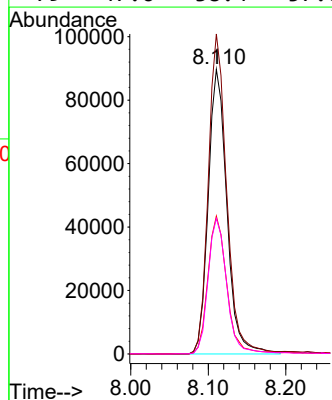
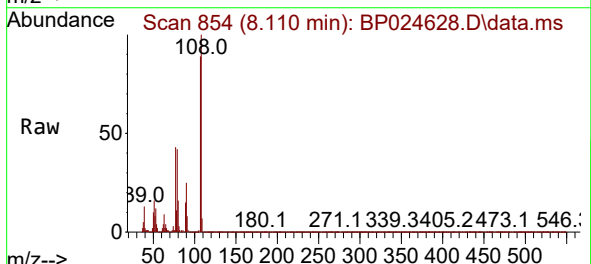
Instrument :
BNA_P
ClientSampleId :
38073-040323DL

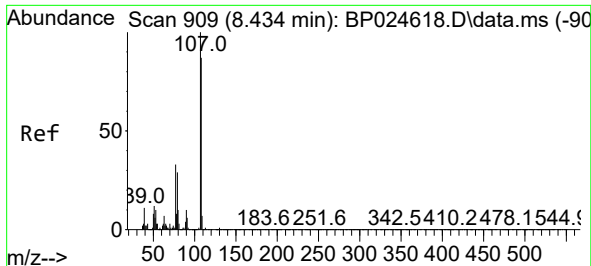
Tgt Ion: 94 Resp: 270083
Ion Ratio Lower Upper
94 100
65 28.2 8.7 48.7
66 40.6 19.4 59.4



#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

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

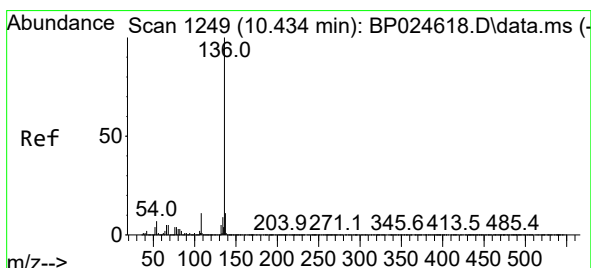
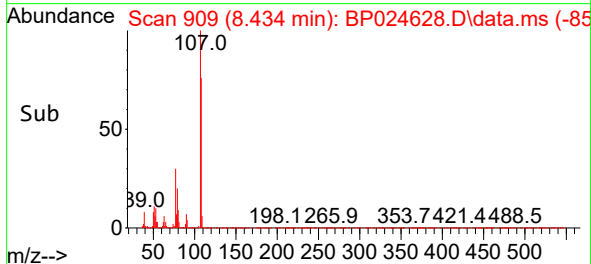
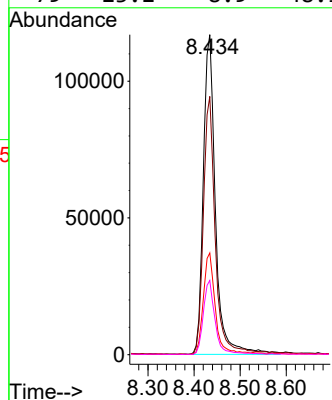
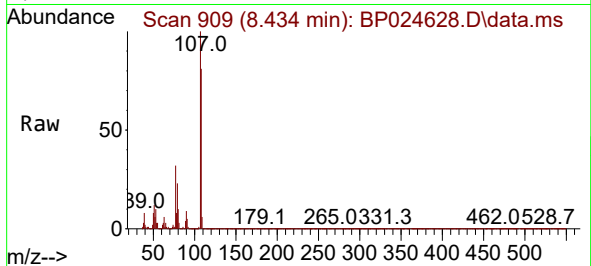




#20
3+4-Methylphenols
Concen: 27.306 ng
RT: 8.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

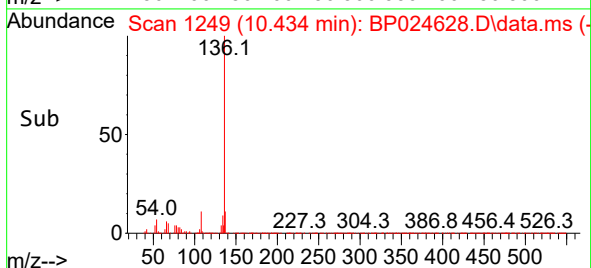
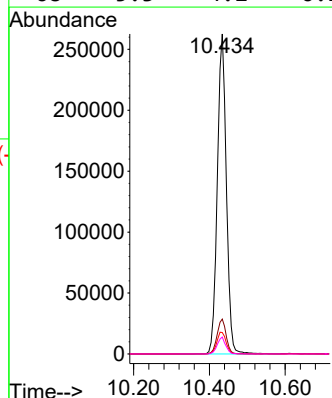
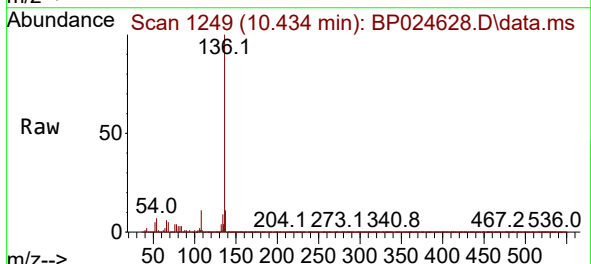
Instrument :
BNA_P
ClientSampleId :
38073-040323DL

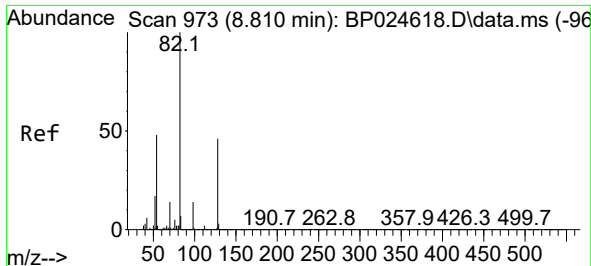
Tgt Ion:	107	Resp:	215259
Ion	Ratio	Lower	Upper
107	100		
108	80.7	66.7	106.7
77	31.8	13.1	53.1
79	23.2	8.9	48.9



#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

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# 91

Delta R.T. 0.000 min

Lab File: BP024628.D

Acq: 14 May 2025 15:32

Instrument :

BNA_P

ClientSampleId :

38073-040323DL

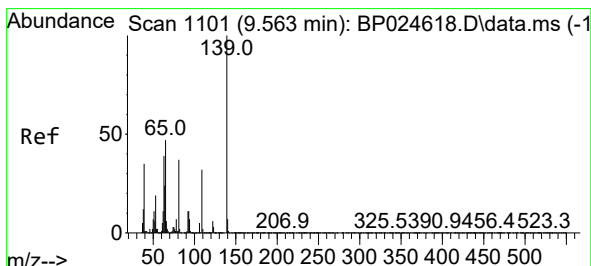
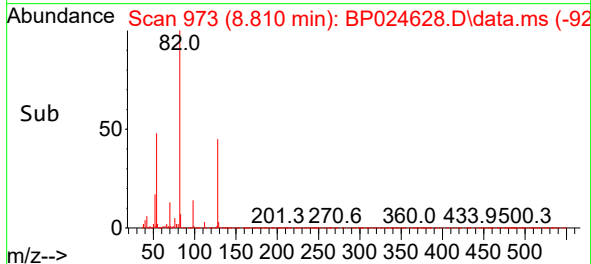
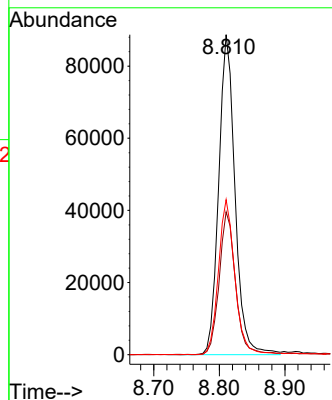
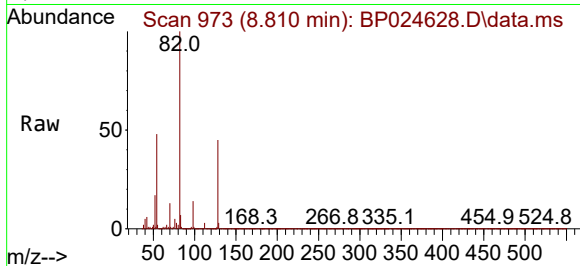
Tgt Ion: 82 Resp: 152614

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

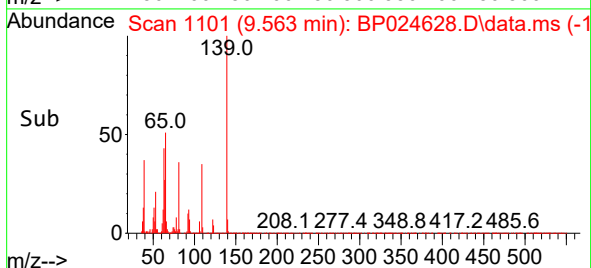
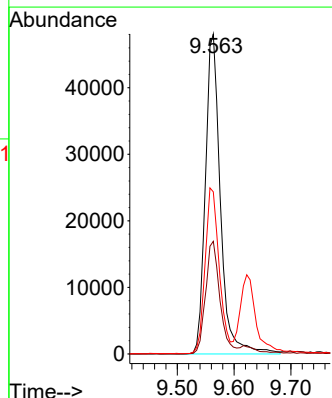
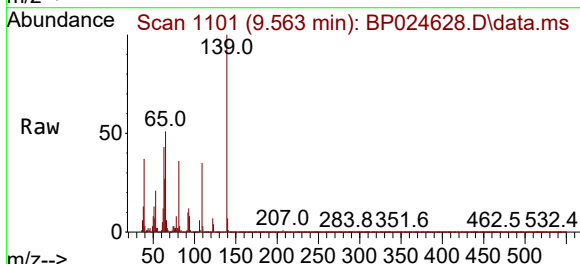
Tgt Ion:139 Resp: 88211

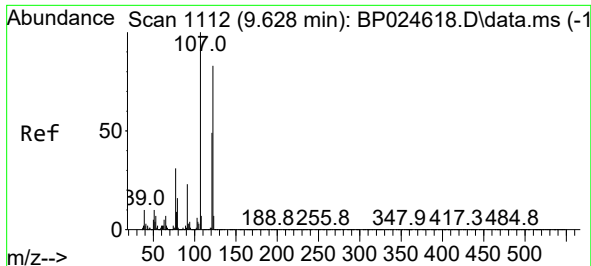
Ion Ratio Lower Upper

139 100

109 35.2 25.9 38.9

65 50.7 37.9 56.9

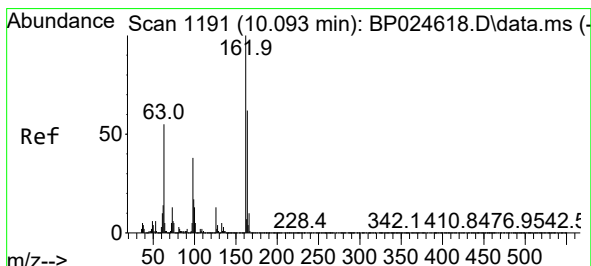
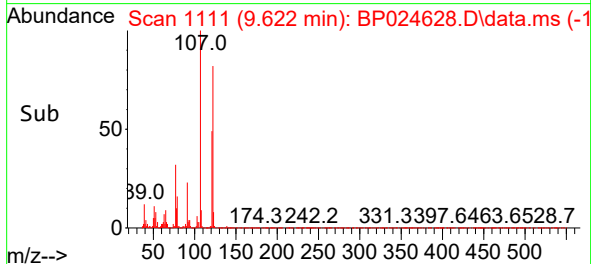
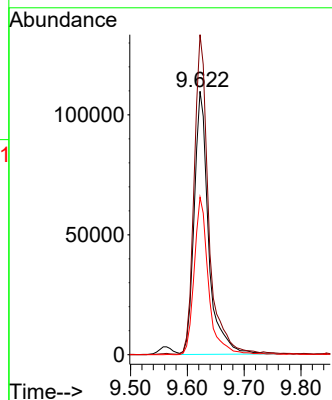
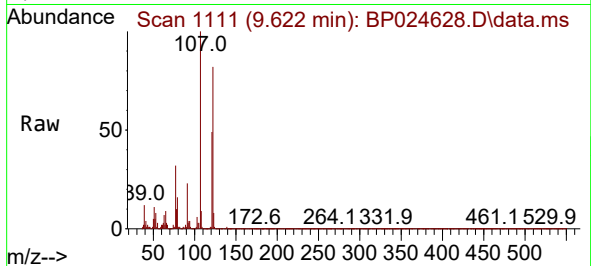




#27
2,4-Dimethylphenol
Concen: 29.774 ng
RT: 9.622 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

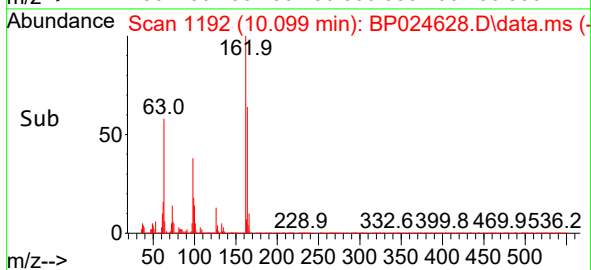
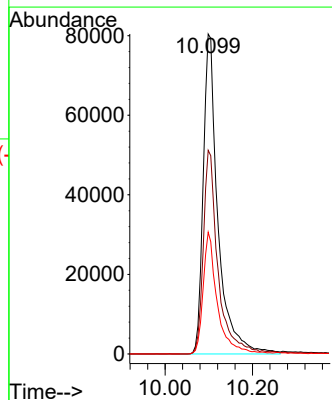
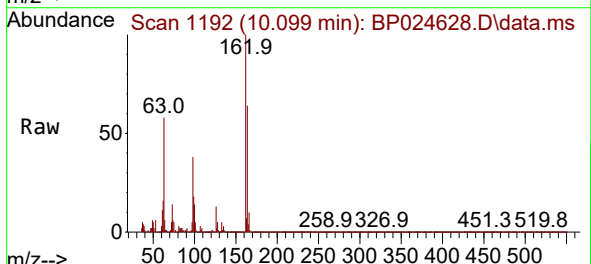
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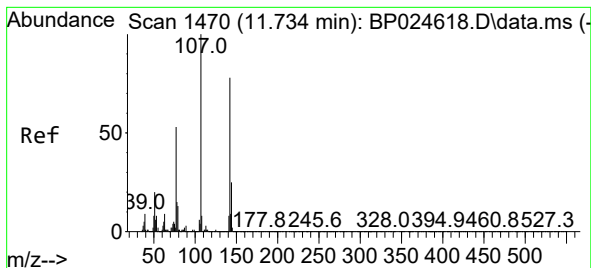
Tgt Ion:122 Resp: 193753
Ion Ratio Lower Upper
122 100
107 121.5 96.2 144.2
121 59.8 47.6 71.4



#29
2,4-Dichlorophenol
Concen: 29.918 ng
RT: 10.099 min Scan# 1192
Delta R.T. 0.006 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

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

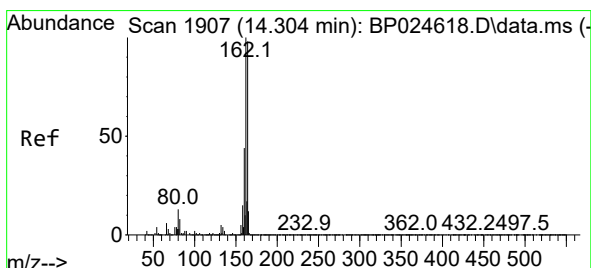
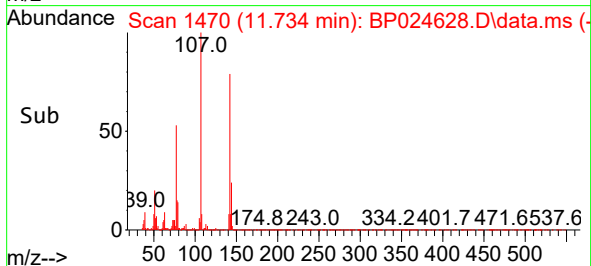
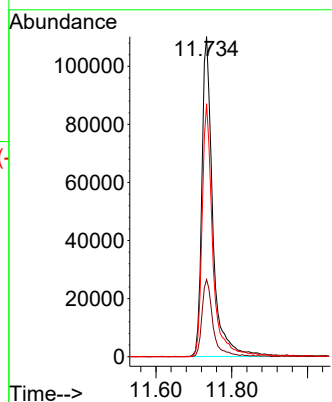
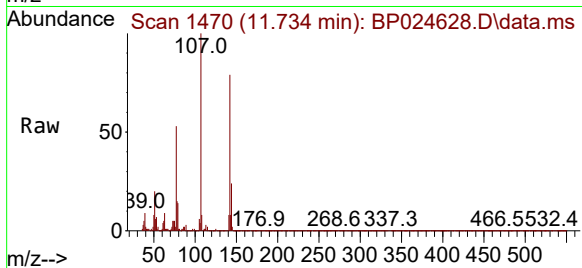




#36
4-Chloro-3-methylphenol
Concen: 28.857 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

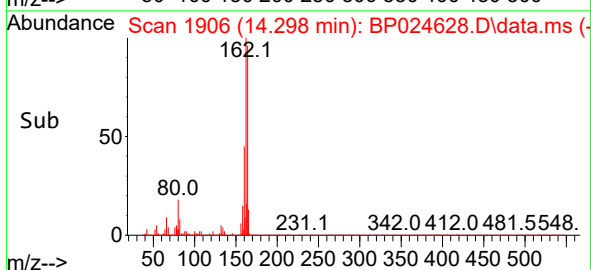
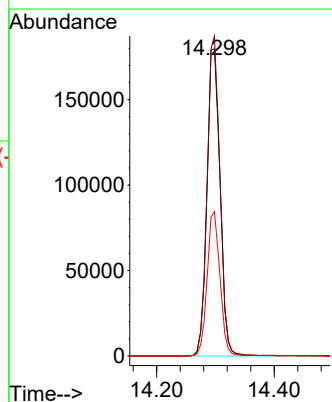
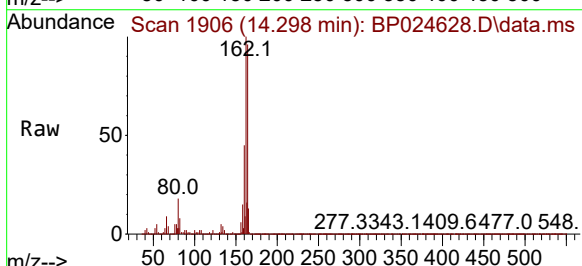
Instrument :
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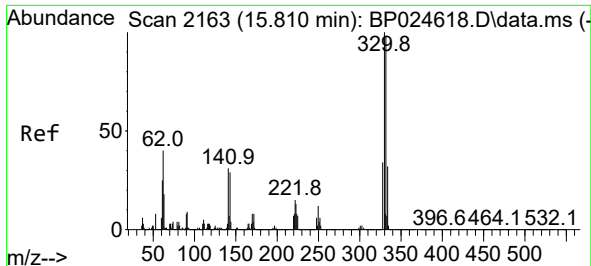
Tgt Ion:107 Resp: 221915
Ion Ratio Lower Upper
107 100
144 24.1 20.1 30.1
142 79.1 62.1 93.1



#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

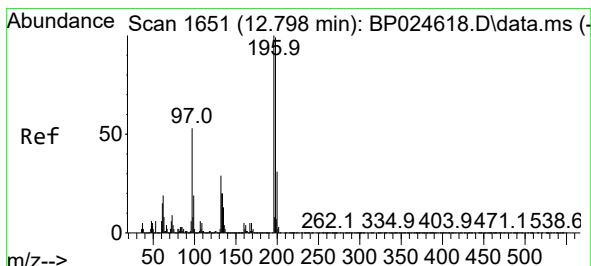
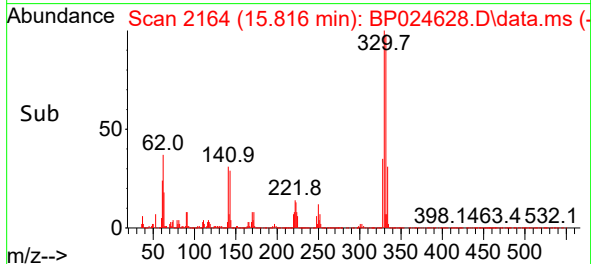
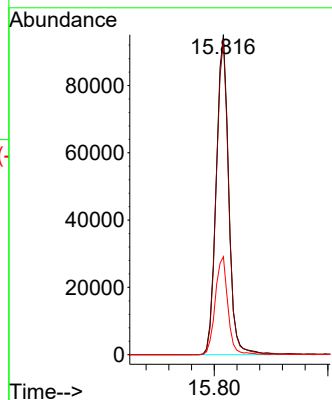
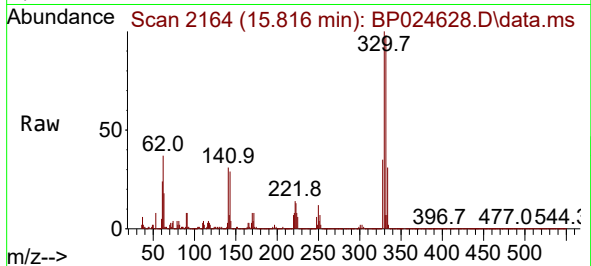




#42
2,4,6-Tribromophenol
Concen: 30.602 ng
RT: 15.816 min Scan# 2164
Delta R.T. 0.006 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

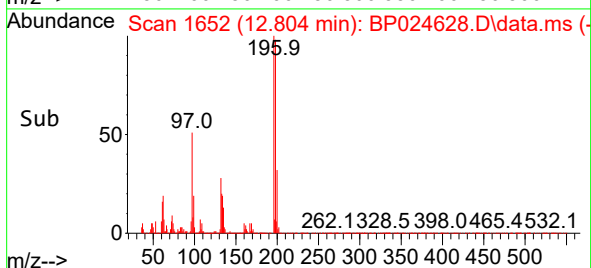
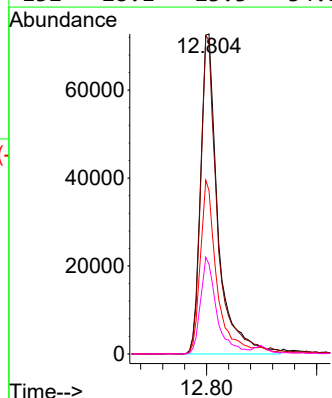
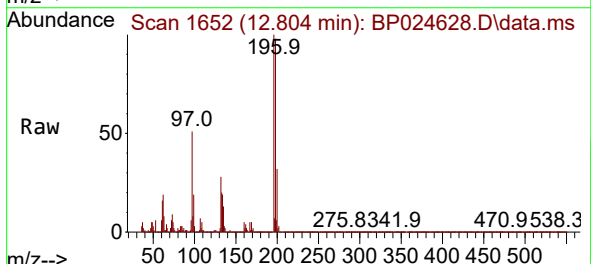
Instrument :
BNA_P
ClientSampleId :
38073-040323DL

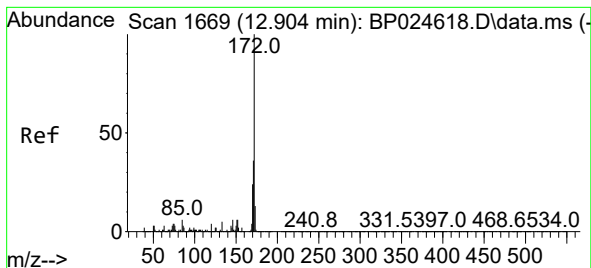
Tgt Ion:330 Resp: 144835
Ion Ratio Lower Upper
330 100
332 97.4 78.2 117.4
141 30.9 24.3 36.5



#44
2,4,5-Trichlorophenol
Concen: 27.397 ng
RT: 12.804 min Scan# 1652
Delta R.T. 0.006 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 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# 1

Delta R.T. -0.006 min

Lab File: BP024628.D

Acq: 14 May 2025 15:32

Instrument :

BNA_P

ClientSampleId :

38073-040323DL

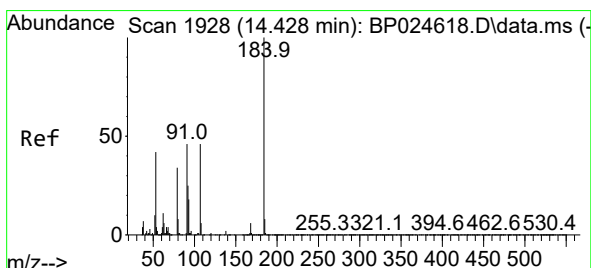
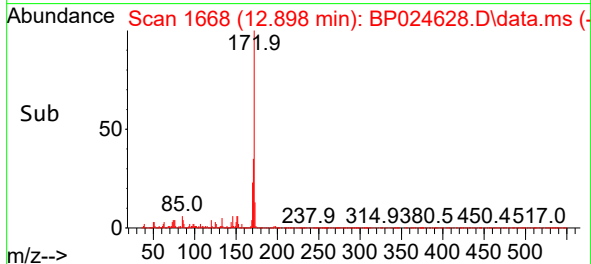
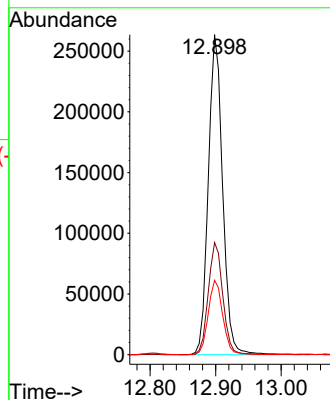
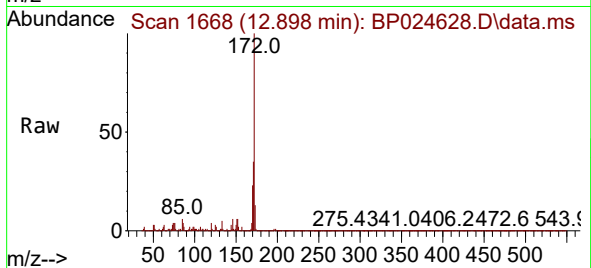
Tgt Ion:172 Resp: 400361

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

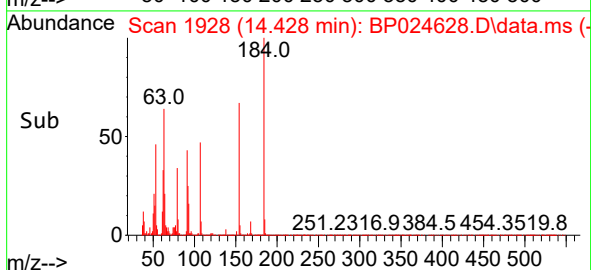
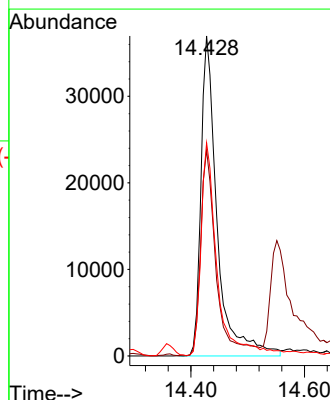
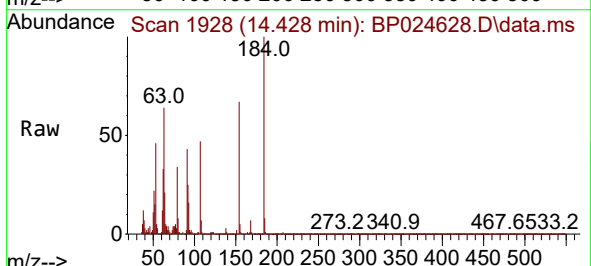
Tgt Ion:184 Resp: 73084

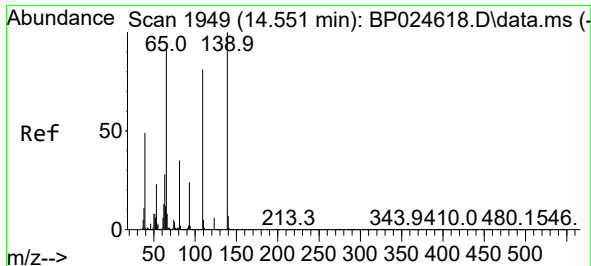
Ion Ratio Lower Upper

184 100

63 64.3 51.3 76.9

154 66.6 53.5 80.3

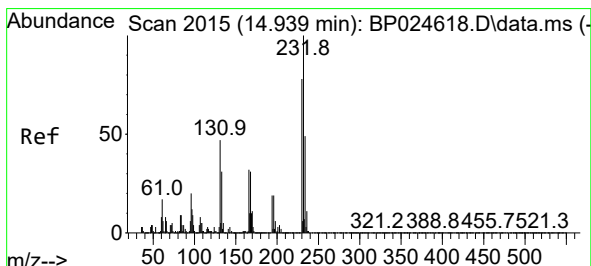
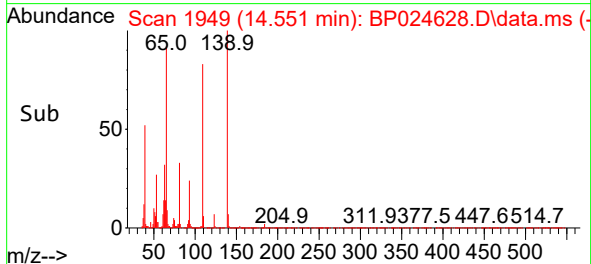
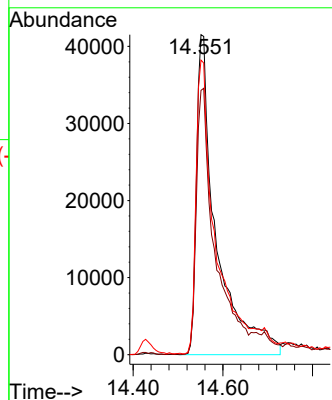
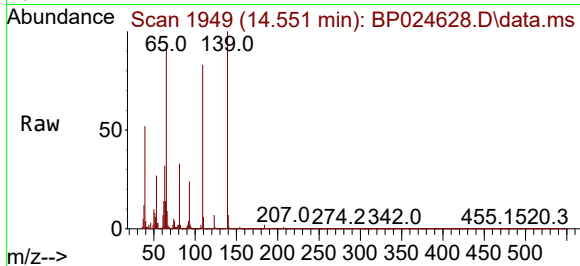




#56
4-Nitrophenol
Concen: 34.658 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

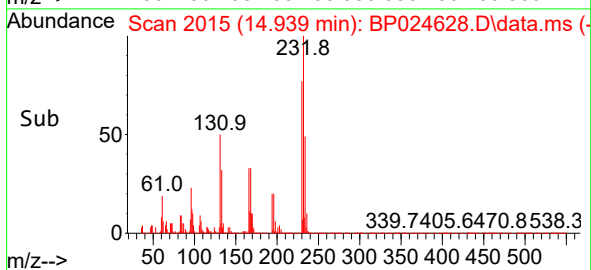
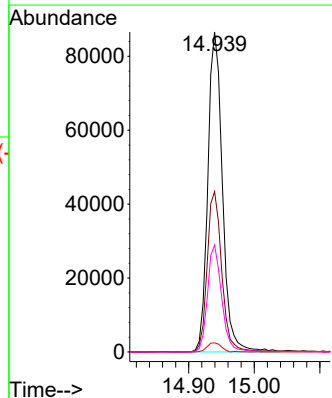
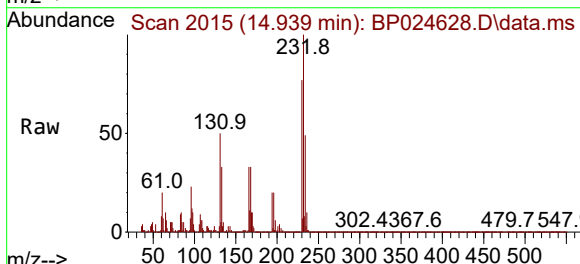
Instrument :
BNA_P
ClientSampleId :
38073-040323DL

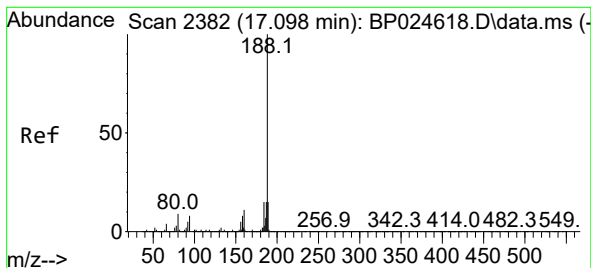
Tgt Ion:139 Resp: 127619
Ion Ratio Lower Upper
139 100
109 82.6 61.4 101.4
65 92.1 72.2 112.2



#59
2,3,4,6-Tetrachlorophenol
Concen: 24.858 ng
RT: 14.939 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BP024628.D
Acq: 14 May 2025 15:32

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# 2104

Delta R.T. 0.006 min

Lab File: BP024628.D

Acq: 14 May 2025 15:32

Instrument :

BNA_P

ClientSampleId :

38073-040323DL

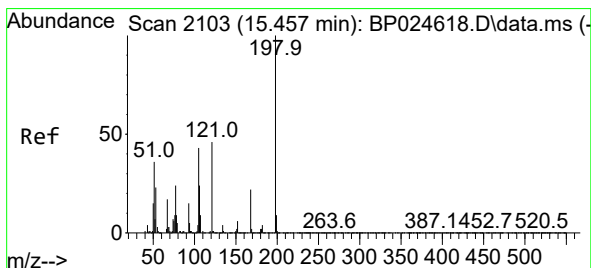
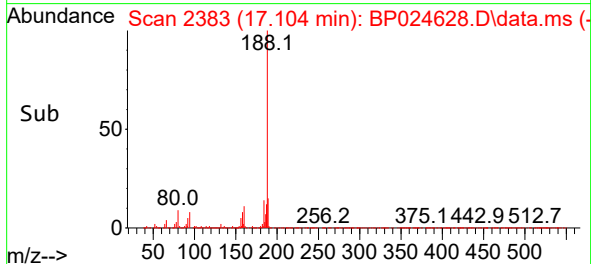
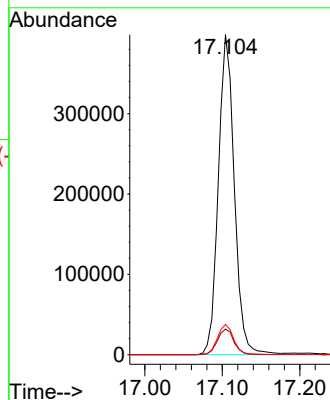
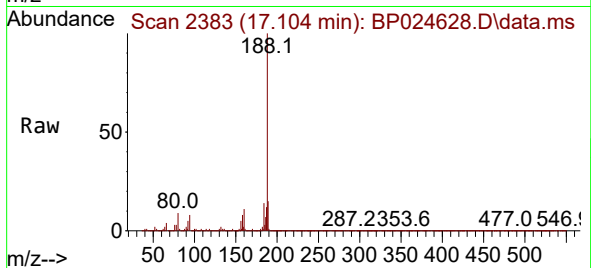
Tgt Ion:188 Resp: 570679

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

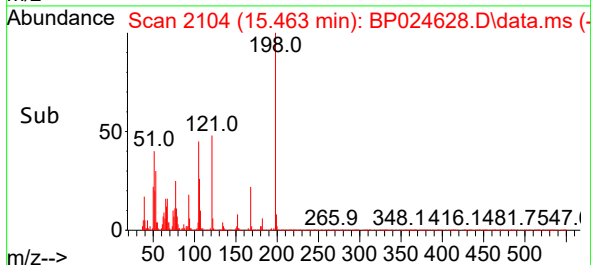
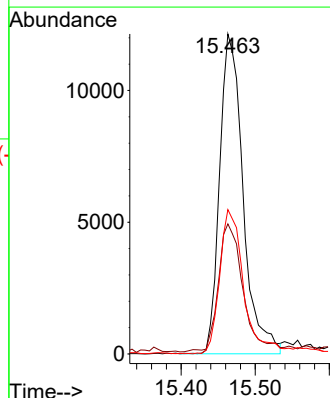
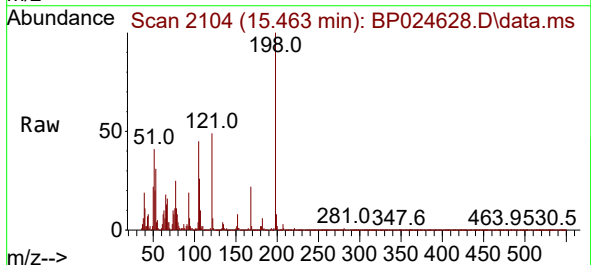
Tgt Ion:198 Resp: 26642

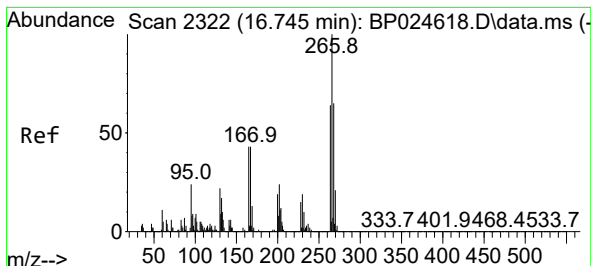
Ion Ratio Lower Upper

198 100

51 40.7 21.1 61.1

105 45.1 23.6 63.6





#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

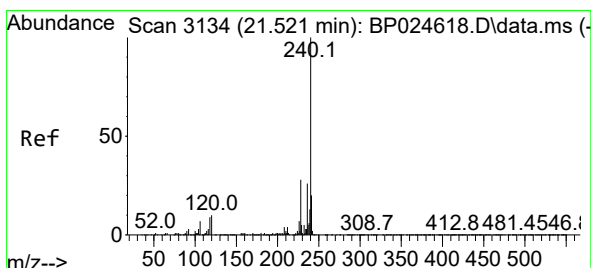
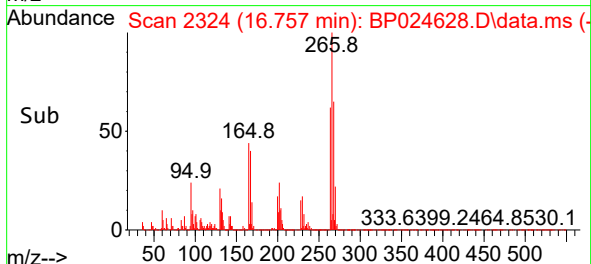
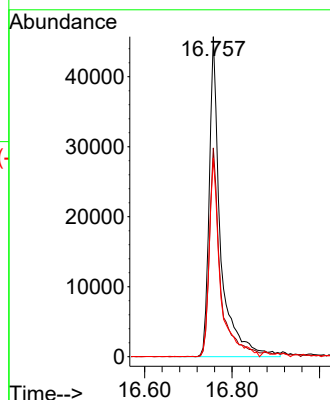
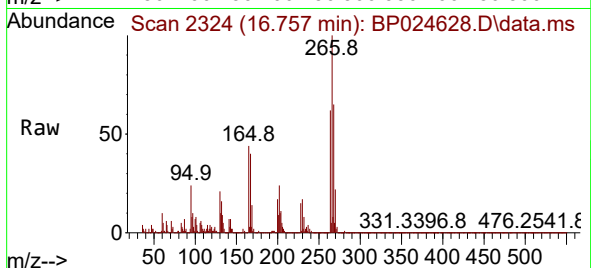
Tgt Ion:266 Resp: 82408

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

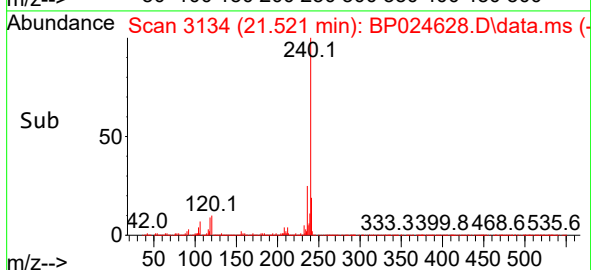
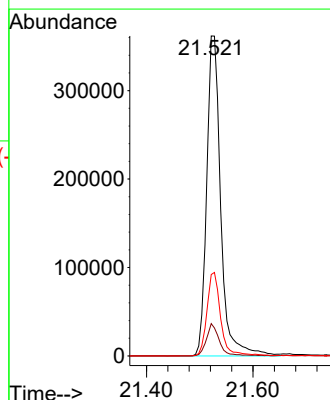
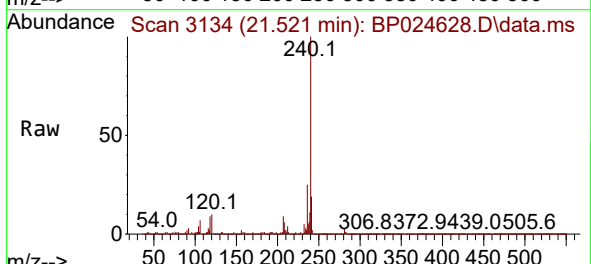
Tgt Ion:240 Resp: 662202

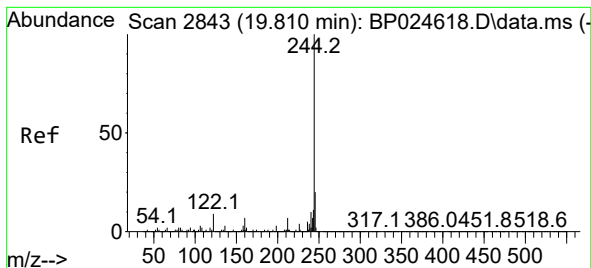
Ion Ratio Lower Upper

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

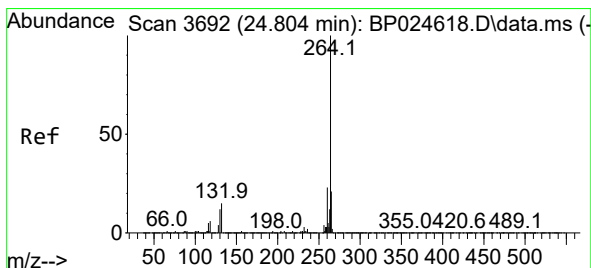
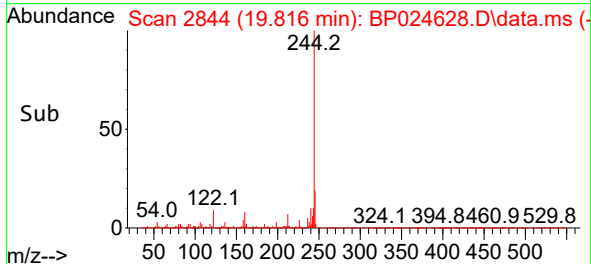
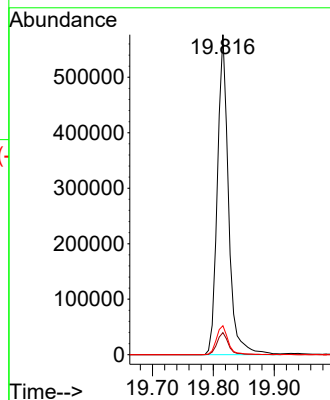
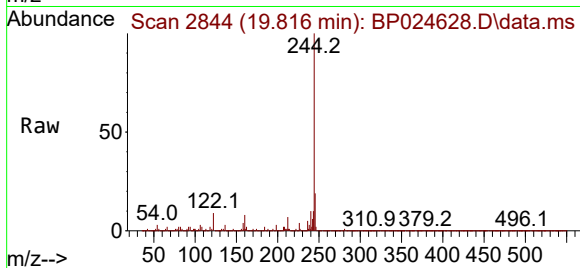
Tgt Ion:244 Resp: 731065

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

