

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
 Data File : BP024660.D
 Acq On : 16 May 2025 16:58
 Operator : RC/JU
 Sample : Q1993-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-4-20250508

Quant Time: May 16 17:23:20 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)

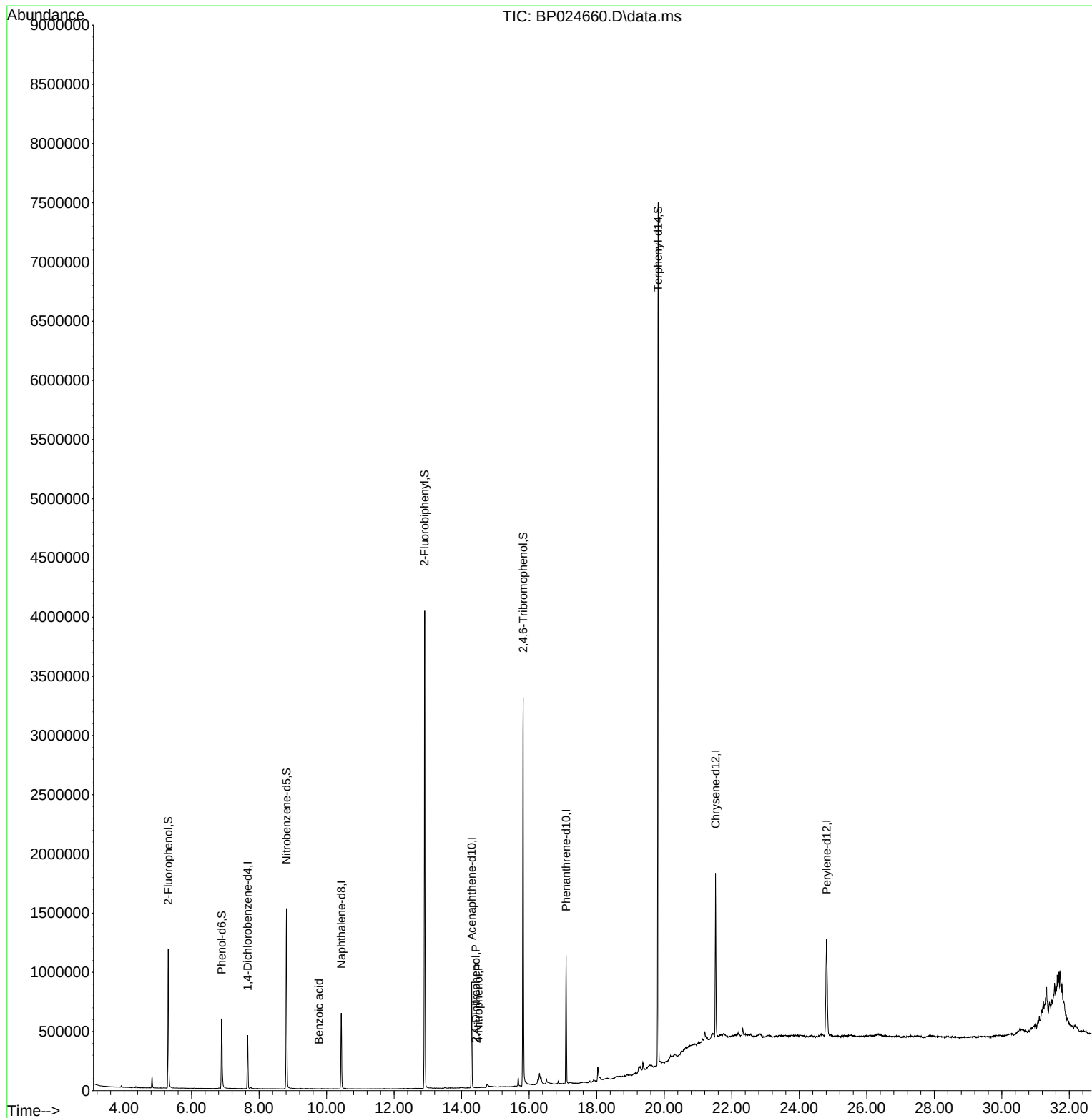
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	125391	20.000	ng	0.00
21) Naphthalene-d8	10.434	136	504701	20.000	ng	0.00
39) Acenaphthene-d10	14.298	164	321435	20.000	ng	0.00
64) Phenanthrene-d10	17.092	188	636219	20.000	ng	0.00
76) Chrysene-d12	21.521	240	759775	20.000	ng	0.00
86) Perylene-d12	24.809	264	942289	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	548143	74.768	ng	0.02
7) Phenol-d6	6.893	99	421824	45.083	ng	0.04
23) Nitrobenzene-d5	8.810	82	889851	89.084	ng	0.00
42) 2,4,6-Tribromophenol	15.822	330	761995	139.835	ng	0.01
45) 2-Fluorobiphenyl	12.904	172	2090804	85.218	ng	0.00
79) Terphenyl-d14	19.821	244	3721949	83.999	ng	0.01
Target Compounds						
						Qvalue
32) Benzoic acid	9.775	122	48	7.476	ng	# 1
54) 2,4-Dinitrophenol	14.422	184	50	6.415	ng	# 10
56) 4-Nitrophenol	14.498	139	61	4.247	ng	80

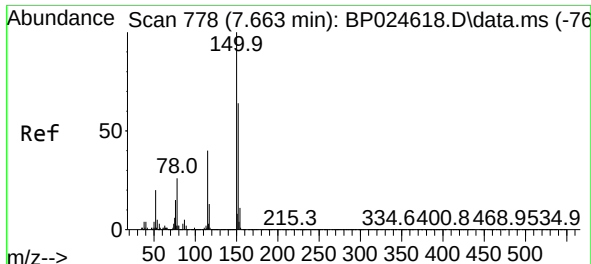
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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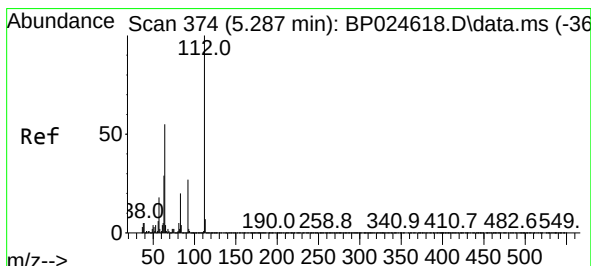
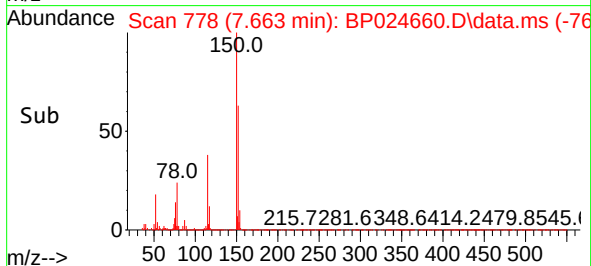
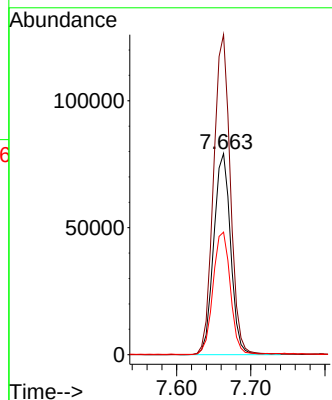
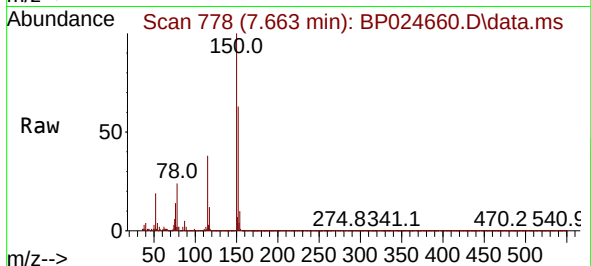




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP024660.D
Acq: 16 May 2025 16:58

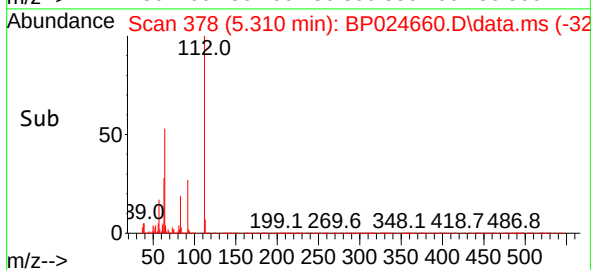
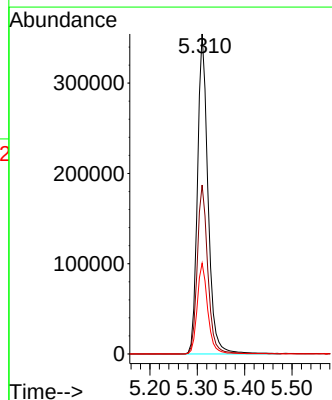
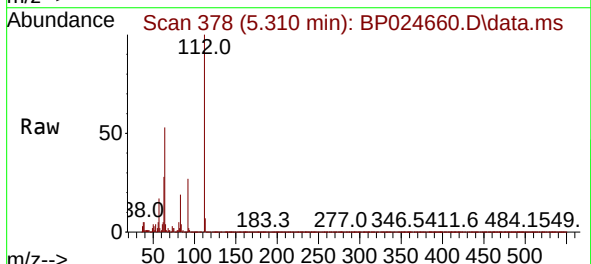
Instrument :
BNA_P
ClientSampleId :
MW-4-20250508

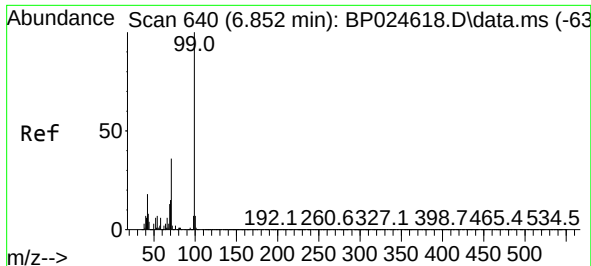
Tgt Ion:152 Resp: 125391
Ion Ratio Lower Upper
152 100
150 159.1 125.9 188.9
115 60.9 50.1 75.1



#5
2-Fluorophenol
Concen: 74.768 ng
RT: 5.310 min Scan# 378
Delta R.T. 0.023 min
Lab File: BP024660.D
Acq: 16 May 2025 16:58

Tgt Ion:112 Resp: 548143
Ion Ratio Lower Upper
112 100
64 52.8 44.1 66.1
63 28.3 23.5 35.3

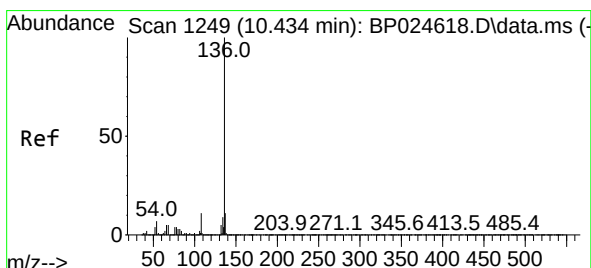
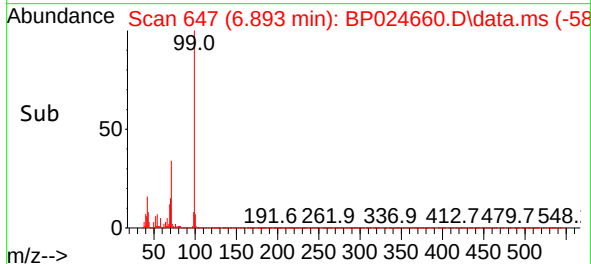
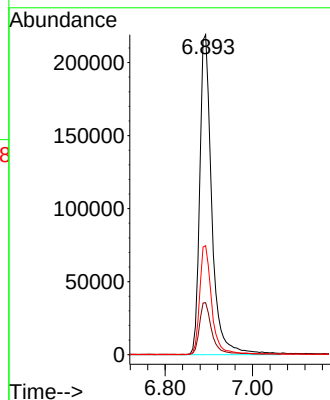
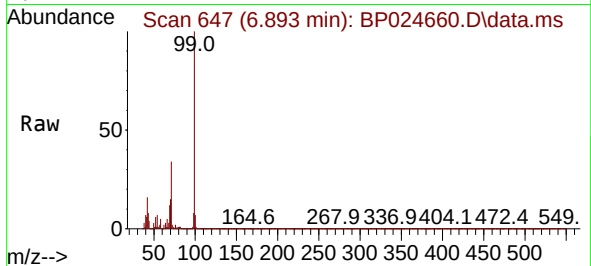




#7
Phenol-d6
Concen: 45.083 ng
RT: 6.893 min Scan# 647
Delta R.T. 0.041 min
Lab File: BP024660.D
Acq: 16 May 2025 16:58

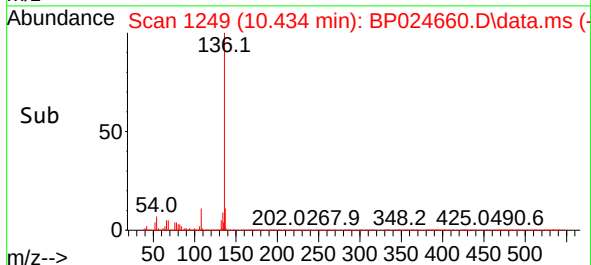
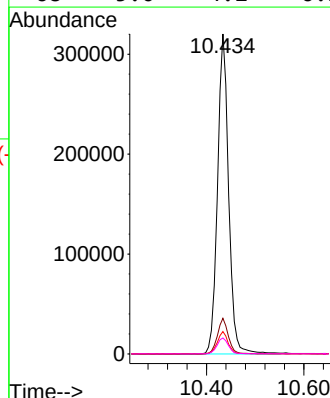
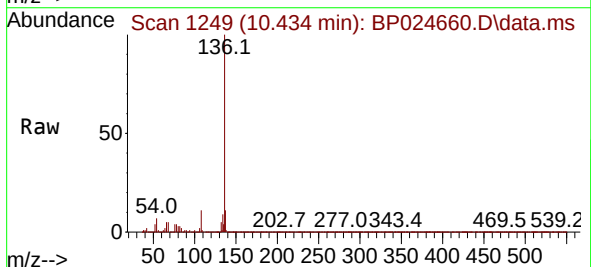
Instrument :
BNA_P
ClientSampleId :
MW-4-20250508

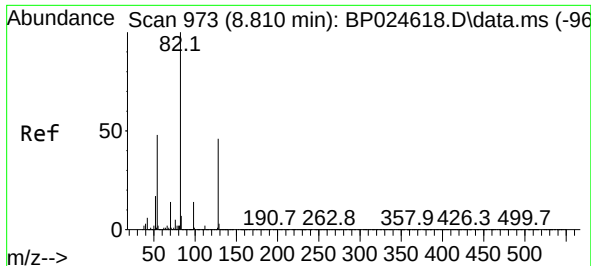
Tgt Ion: 99 Resp: 421824
Ion Ratio Lower Upper
99 100
42 16.3 14.4 21.6
71 34.1 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BP024660.D
Acq: 16 May 2025 16:58

Tgt Ion: 136 Resp: 504701
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.0 5.5 8.3
68 5.0 4.2 6.2

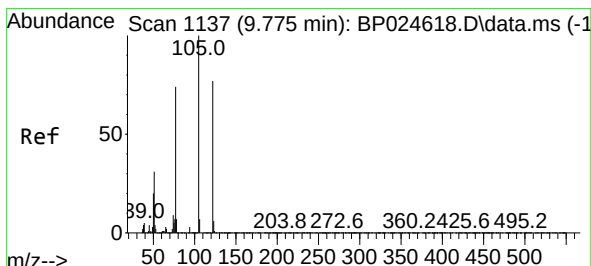
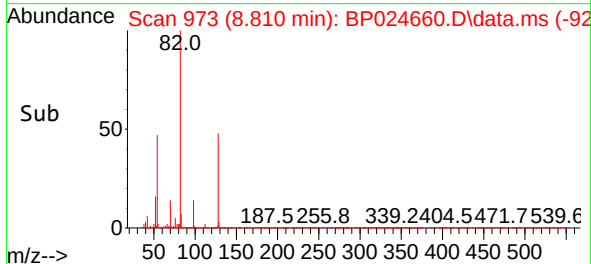
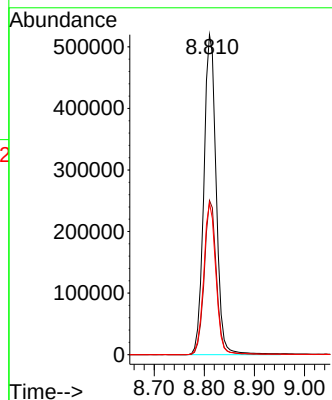
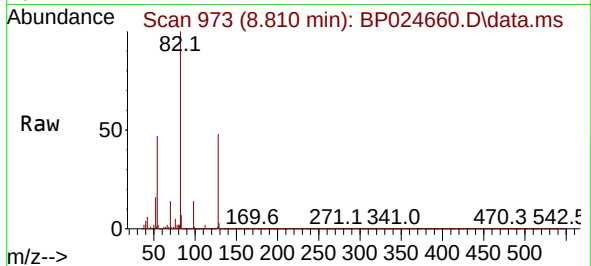




#23
Nitrobenzene-d5
Concen: 89.084 ng
RT: 8.810 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024660.D
Acq: 16 May 2025 16:58

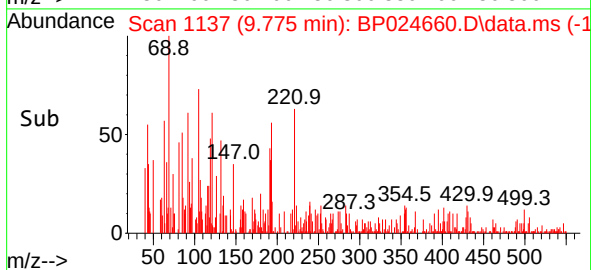
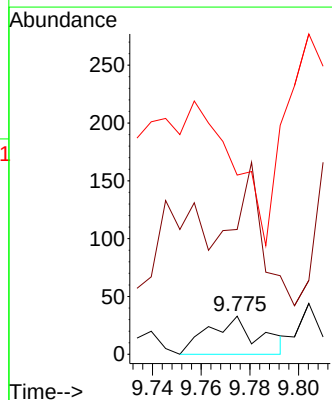
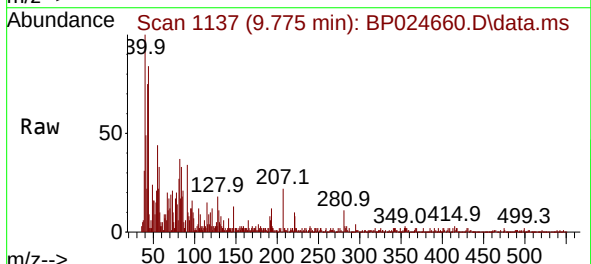
Instrument :
BNA_P
ClientSampleId :
MW-4-20250508

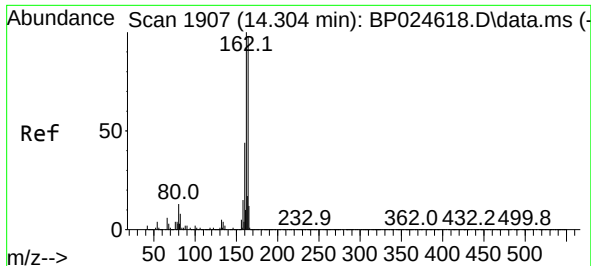
Tgt Ion: 82 Resp: 889851
Ion Ratio Lower Upper
82 100
128 48.2 37.0 55.4
54 47.4 38.7 58.1



#32
Benzoic acid
Concen: 7.476 ng
RT: 9.775 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BP024660.D
Acq: 16 May 2025 16:58

Tgt Ion: 122 Resp: 48
Ion Ratio Lower Upper
122 100
105 327.3 106.9 146.9#
77 469.7 75.1 115.1#

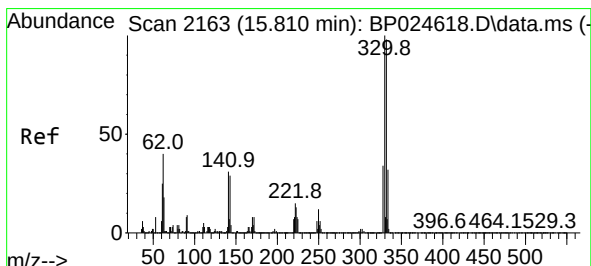
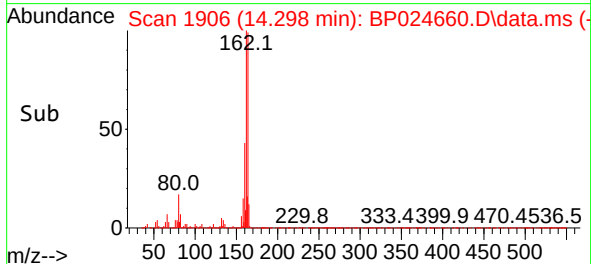
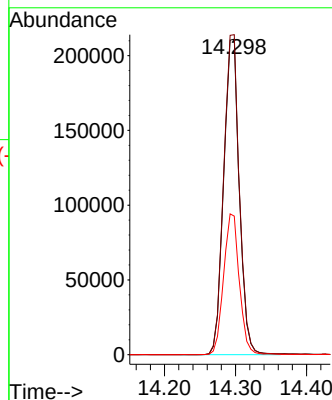
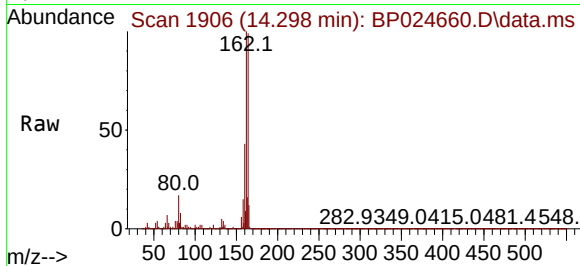




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.298 min Scan# 1906
Delta R.T. -0.006 min
Lab File: BP024660.D
Acq: 16 May 2025 16:58

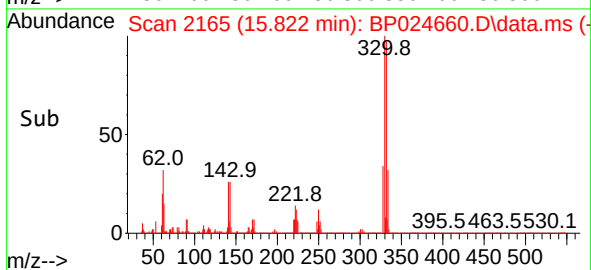
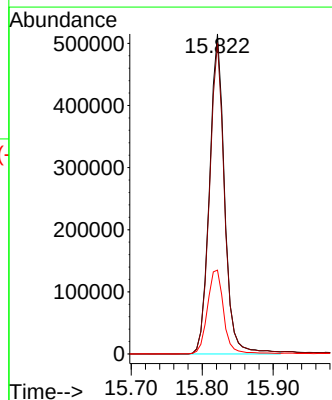
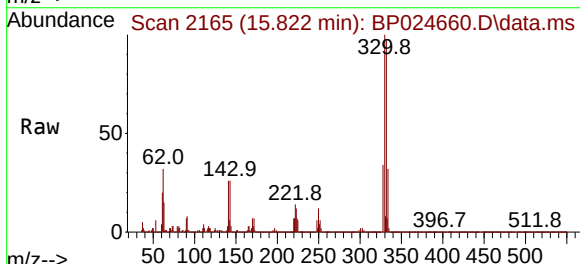
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BNA_P
ClientSampleId :
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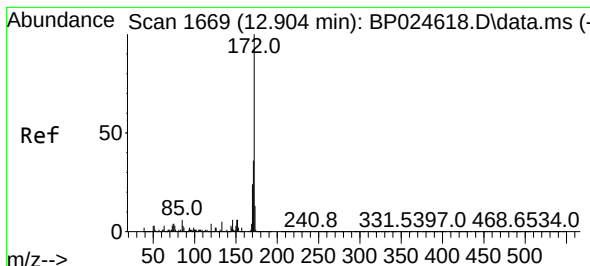
Tgt Ion:164 Resp: 321435
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.6
160 43.9 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 139.835 ng
RT: 15.822 min Scan# 2165
Delta R.T. 0.011 min
Lab File: BP024660.D
Acq: 16 May 2025 16:58

Tgt Ion:330 Resp: 761995
Ion Ratio Lower Upper
330 100
332 97.8 78.2 117.4
141 28.3 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 85.218 ng

RT: 12.904 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP024660.D

Acq: 16 May 2025 16:58

Instrument :

BNA_P

ClientSampleId :

MW-4-20250508

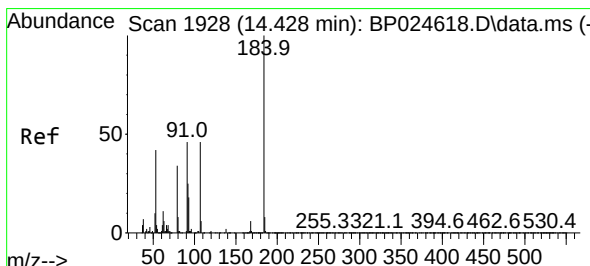
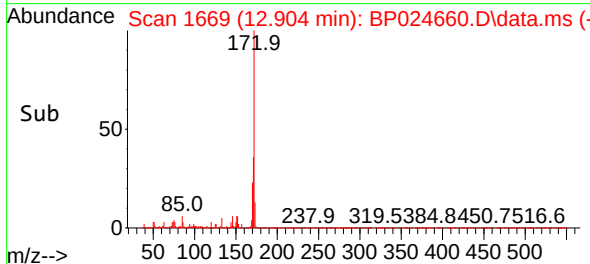
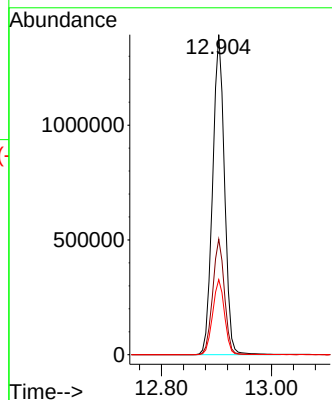
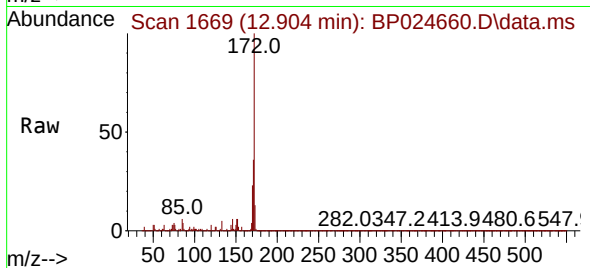
Tgt Ion:172 Resp: 2090804

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 23.4 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.415 ng

RT: 14.422 min Scan# 1927

Delta R.T. -0.006 min

Lab File: BP024660.D

Acq: 16 May 2025 16:58

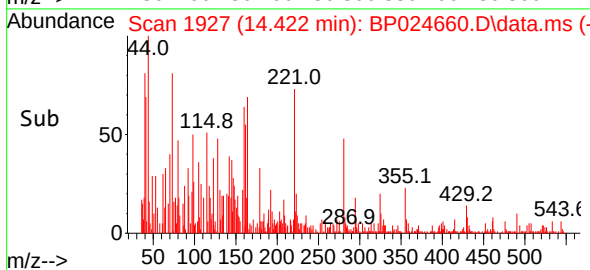
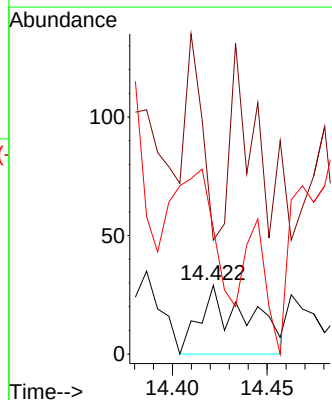
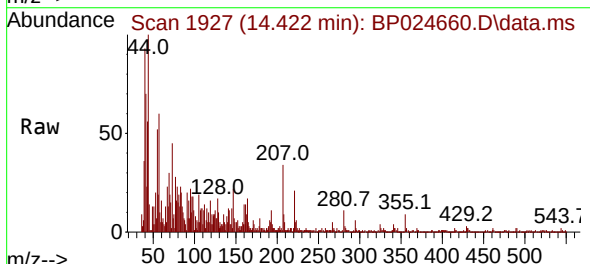
Tgt Ion:184 Resp: 50

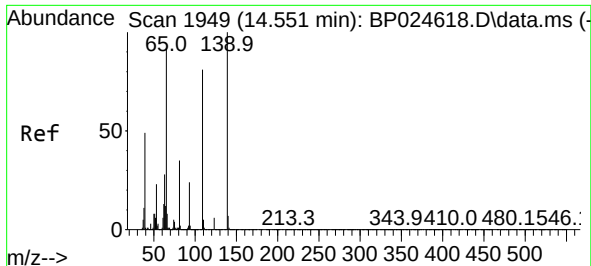
Ion Ratio Lower Upper

184 100

63 129.7 51.3 76.9#

154 143.2 53.5 80.3#

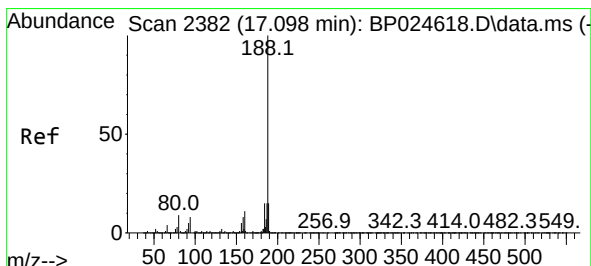
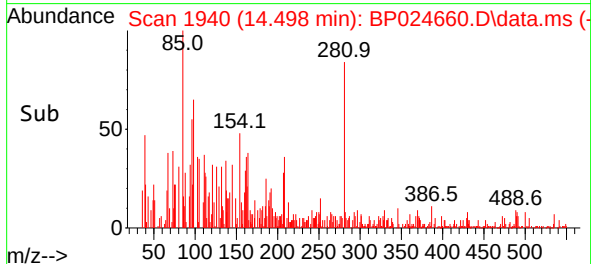
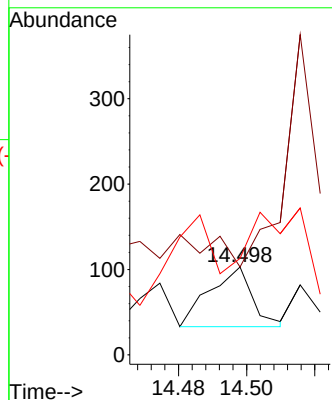
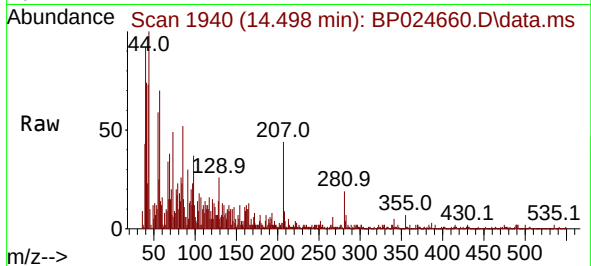




#56
4-Nitrophenol
Concen: 4.247 ng
RT: 14.498 min Scan# 1949
Delta R.T. -0.053 min
Lab File: BP024660.D
Acq: 16 May 2025 16:58

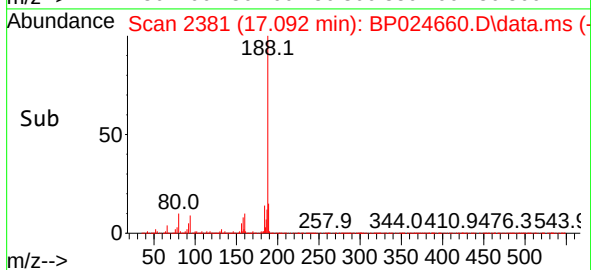
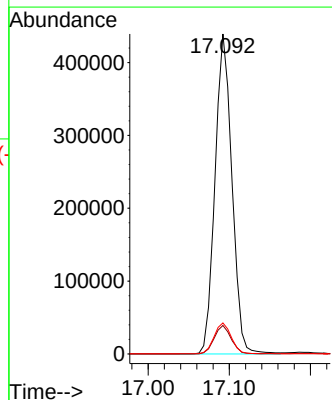
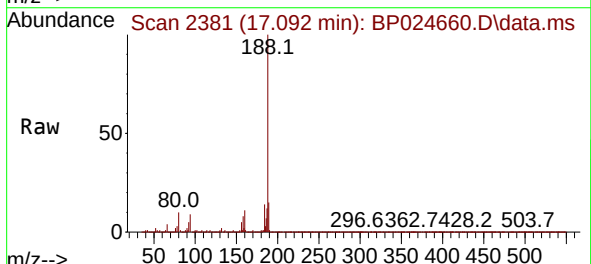
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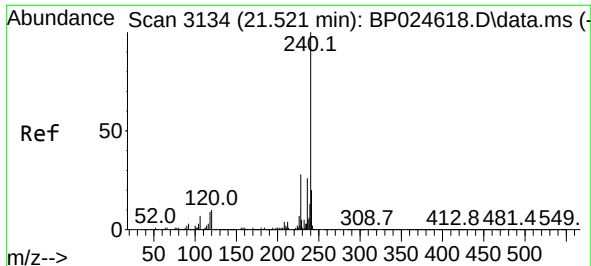
Tgt Ion:139	Resp:	61
Ion	Ratio	Lower Upper
139	100	
109	100.0	61.4 101.4
65	109.7	72.2 112.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024660.D
Acq: 16 May 2025 16:58

Tgt Ion:188	Resp:	636219
Ion	Ratio	Lower Upper
188	100	
94	8.9	6.5 9.7
80	9.7	7.3 10.9

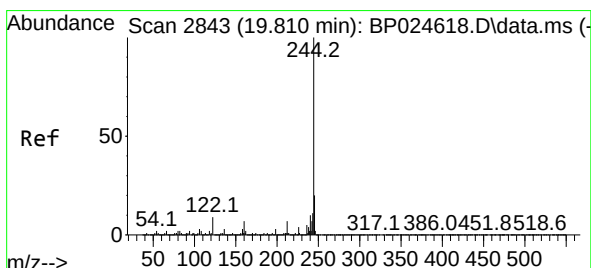
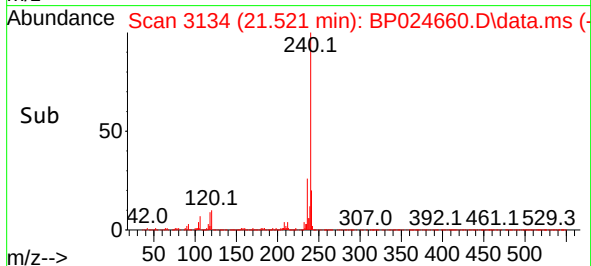
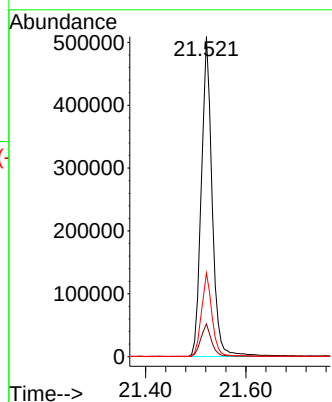
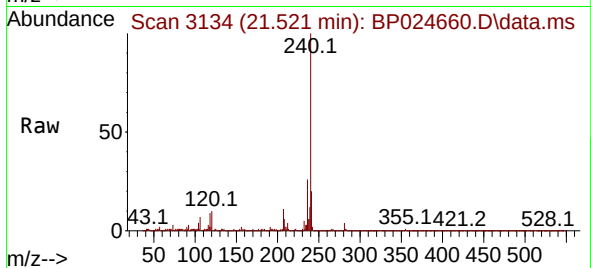




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024660.D
Acq: 16 May 2025 16:58

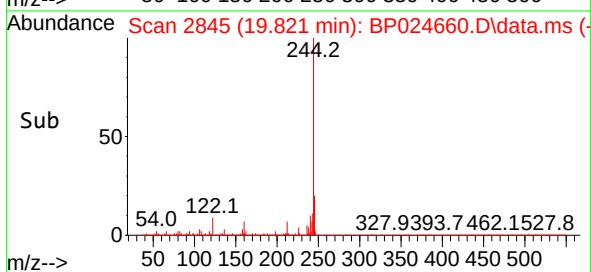
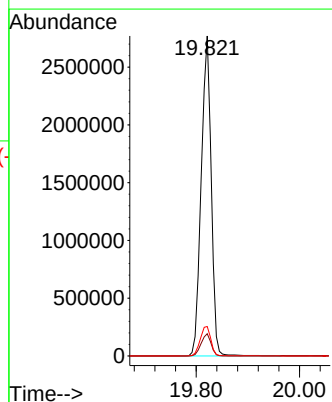
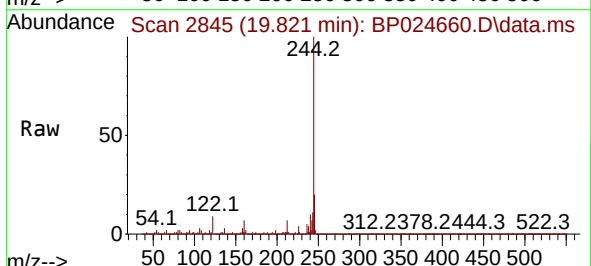
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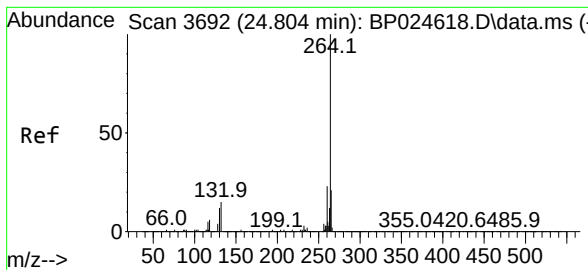
Tgt Ion:240 Resp: 759775
Ion Ratio Lower Upper
240 100
120 10.3 7.8 11.6
236 26.2 20.6 31.0



#79
Terphenyl-d14
Concen: 83.999 ng
RT: 19.821 min Scan# 2845
Delta R.T. 0.012 min
Lab File: BP024660.D
Acq: 16 May 2025 16:58

Tgt Ion:244 Resp: 3721949
Ion Ratio Lower Upper
244 100
212 7.0 5.5 8.3
122 9.2 7.4 11.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.809 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: BP024660.D
 Acq: 16 May 2025 16:58

Instrument :
 BNA_P
 ClientSampleId :
 MW-4-20250508

Tgt Ion:	264	Resp:	942289
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.7	28.1
265	22.0	17.0	25.6

