

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
 Data File : BP024933.D
 Acq On : 12 Jun 2025 17:14
 Operator : RC/JU
 Sample : Q2295-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP02-MH5-WC

Quant Time: Jun 12 18:32:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

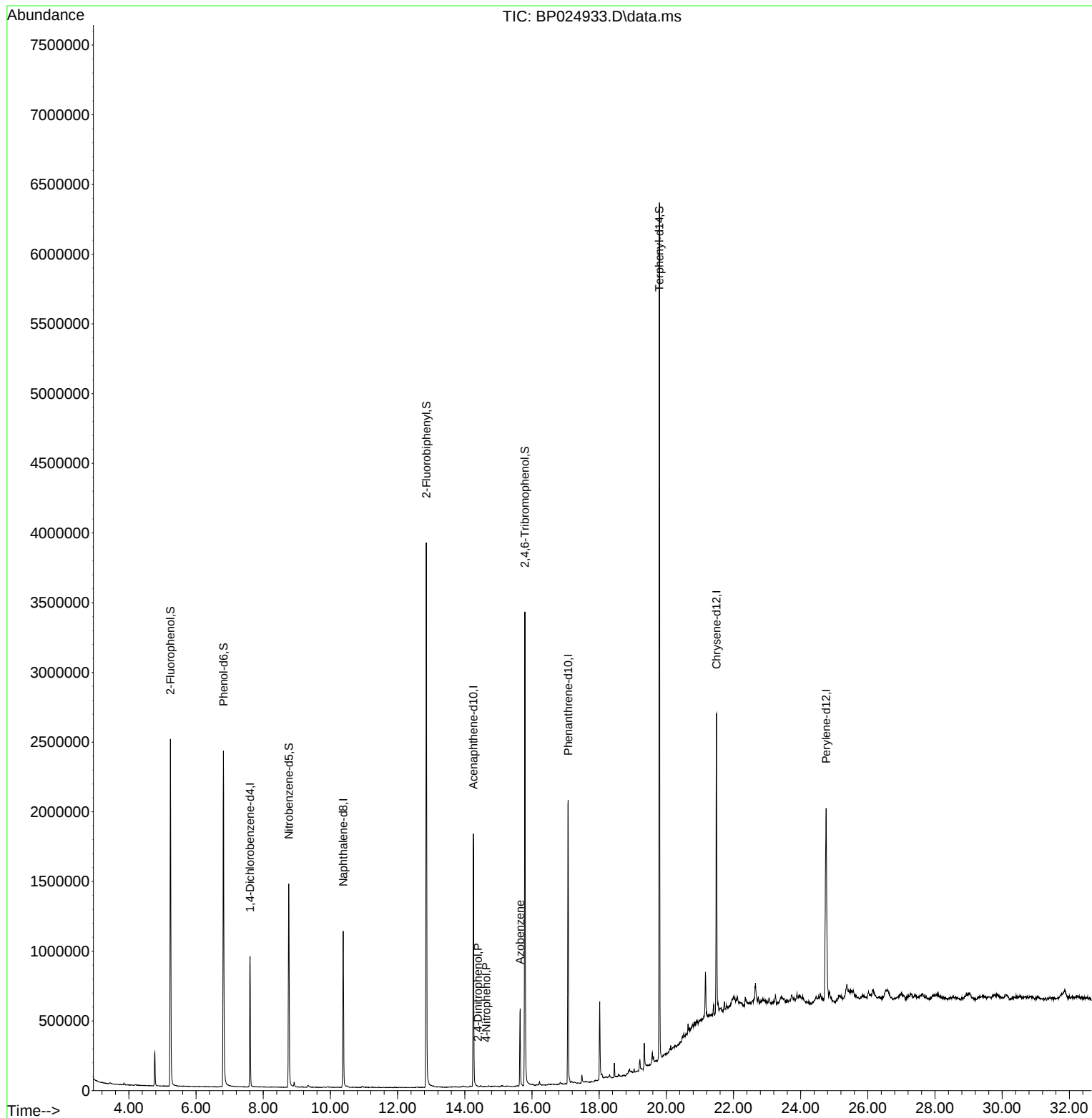
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	245752	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	993476	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	629062	20.000	ng	0.00
64) Phenanthrene-d10	17.078	188	1224169	20.000	ng	0.02
76) Chrysene-d12	21.495	240	1265014	20.000	ng	0.01
86) Perylene-d12	24.760	264	1534618	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1182739	80.334	ng	0.00
7) Phenol-d6	6.814	99	1583201	81.274	ng	0.00
23) Nitrobenzene-d5	8.761	82	935119	45.739	ng	0.00
42) 2,4,6-Tribromophenol	15.790	330	734230	84.422	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	2049485	43.889	ng	0.00
79) Terphenyl-d14	19.795	244	3031160	42.945	ng	0.00
Target Compounds						
54) 2,4-Dinitrophenol	14.390	184	14	5.565	ng	# 1
56) 4-Nitrophenol	14.637	139	120	5.422	ng	85
63) Azobenzene	15.648	77	165748	3.908	ng	# 1

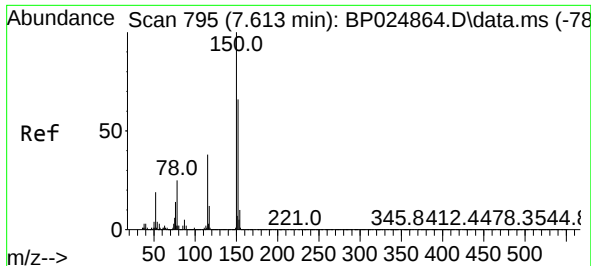
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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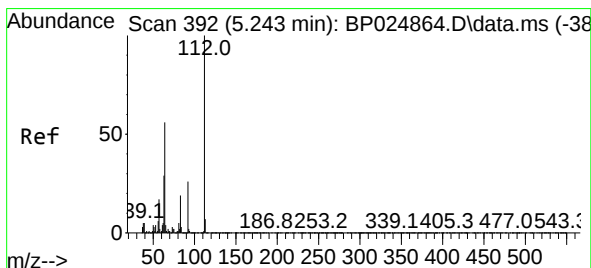
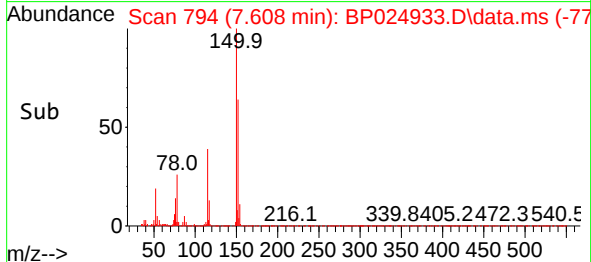
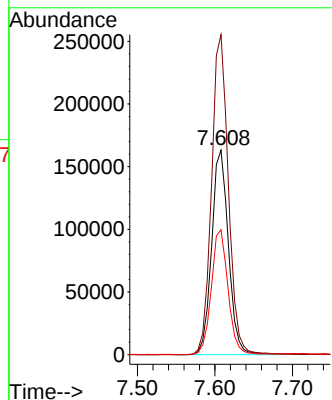
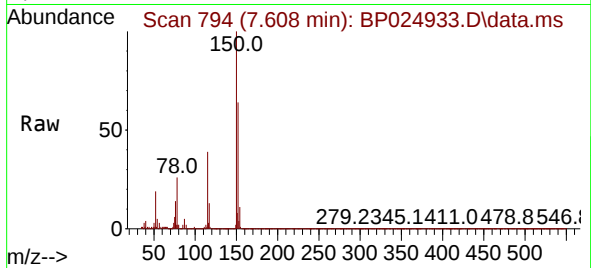




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024933.D
Acq: 12 Jun 2025 17:14

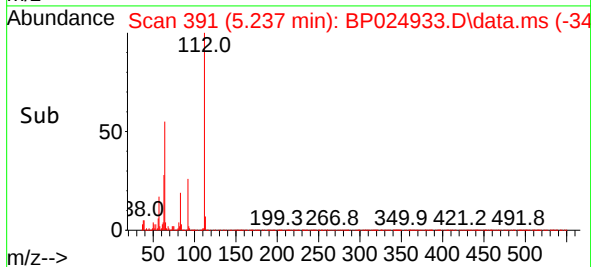
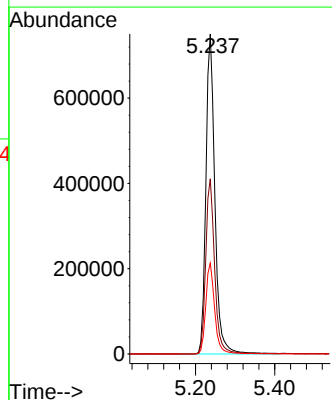
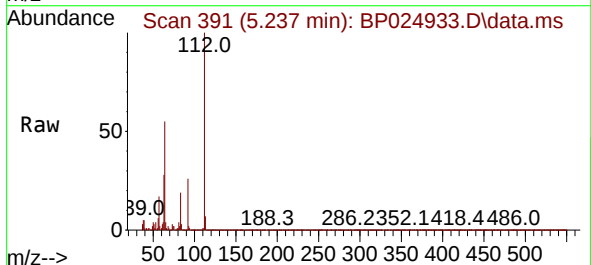
Instrument :
BNA_P
ClientSampleId :
TP02-MH5-WC

Tgt Ion:152 Resp: 245752
Ion Ratio Lower Upper
152 100
150 156.5 122.1 183.1
115 61.1 46.4 69.6



#5
2-Fluorophenol
Concen: 80.334 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024933.D
Acq: 12 Jun 2025 17:14

Tgt Ion:112 Resp: 1182739
Ion Ratio Lower Upper
112 100
64 54.8 44.7 67.1
63 28.4 23.5 35.3



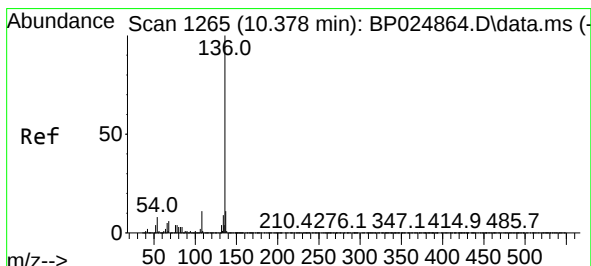
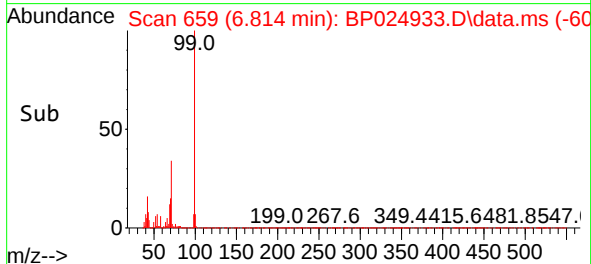
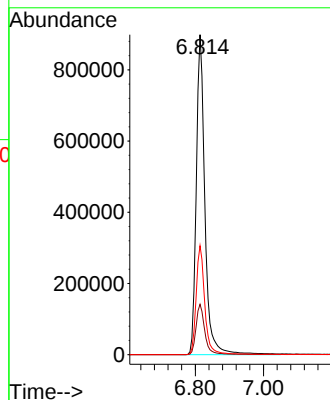
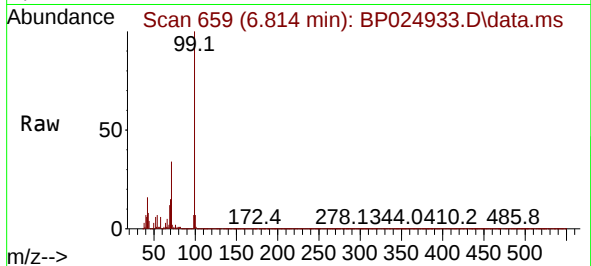


#7
Phenol-d6
Concen: 81.274 ng
RT: 6.814 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP024933.D
Acq: 12 Jun 2025 17:14

Instrument :
BNA_P
ClientSampleId :
TP02-MH5-WC

Tgt Ion: 99 Resp: 1583201

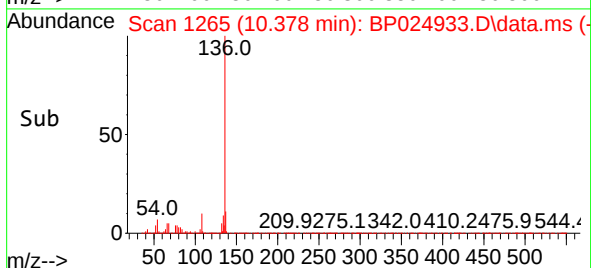
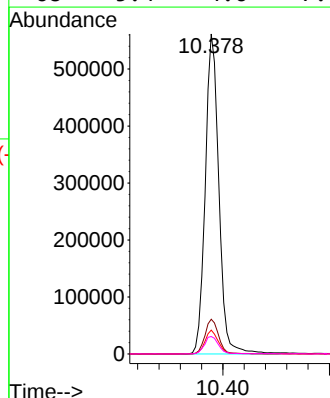
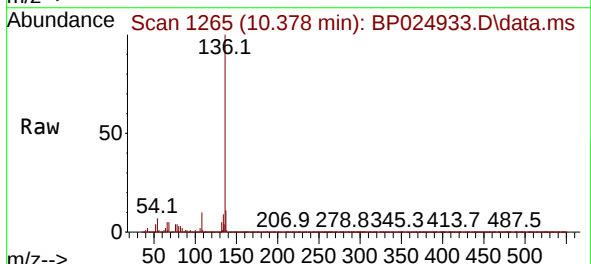
Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.4	20.2
71	34.1	27.6	41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024933.D
Acq: 12 Jun 2025 17:14

Tgt Ion: 136 Resp: 993476

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	6.1	9.1
68	5.4	4.6	7.0

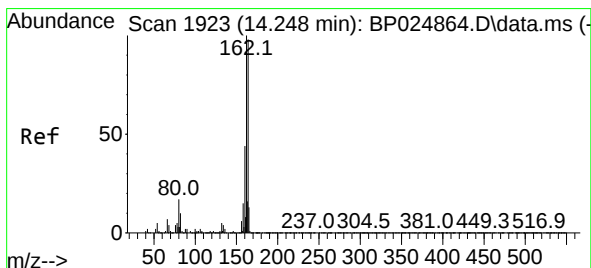
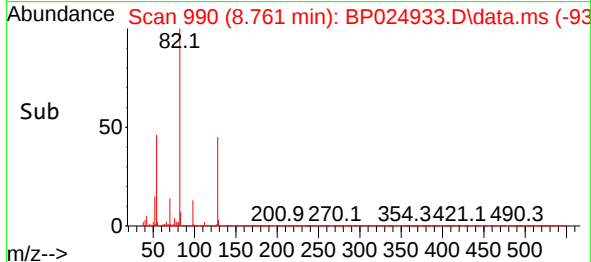
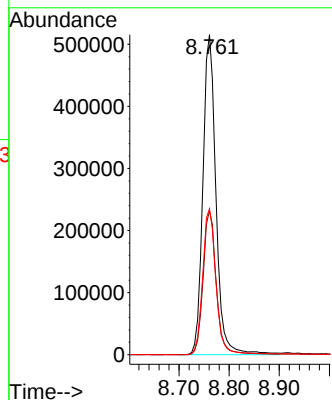
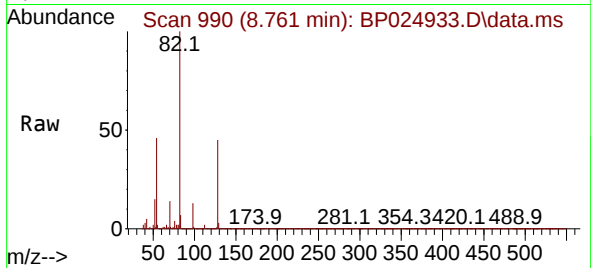




#23
Nitrobenzene-d5
Concen: 45.739 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024933.D
Acq: 12 Jun 2025 17:14

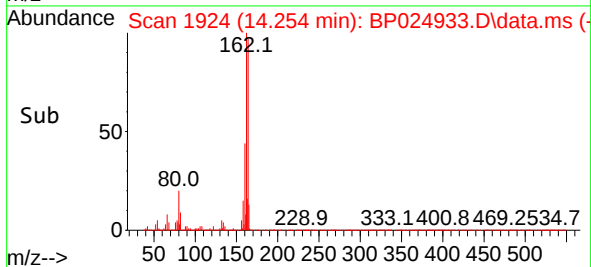
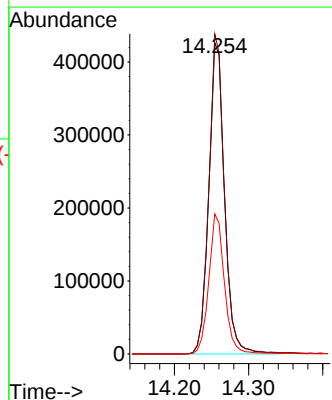
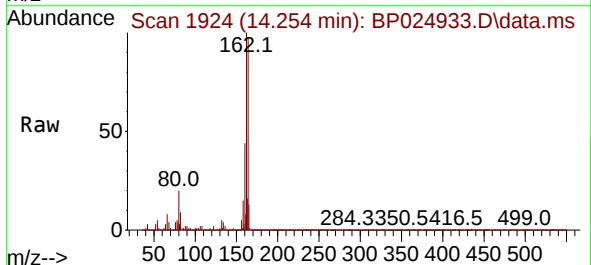
Instrument :
BNA_P
ClientSampleId :
TP02-MH5-WC

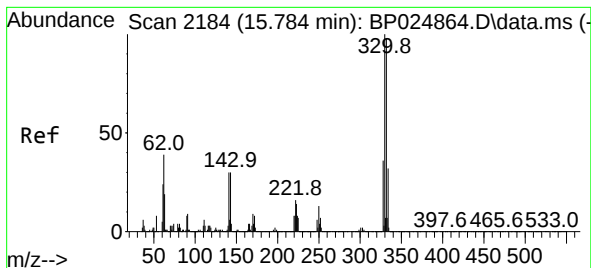
Tgt Ion: 82 Resp: 935119
Ion Ratio Lower Upper
82 100
128 45.0 35.3 52.9
54 45.6 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024933.D
Acq: 12 Jun 2025 17:14

Tgt Ion:164 Resp: 629062
Ion Ratio Lower Upper
164 100
162 102.8 81.6 122.4
160 45.0 36.2 54.2

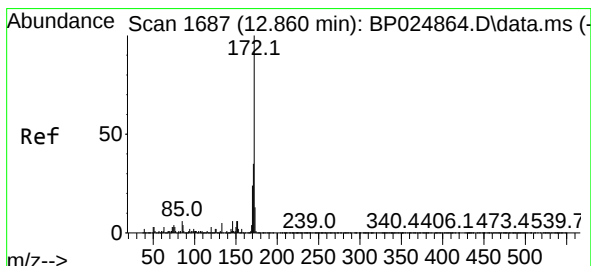
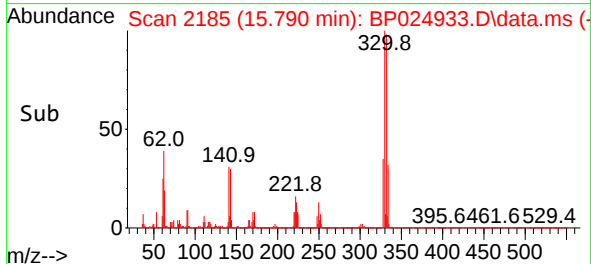
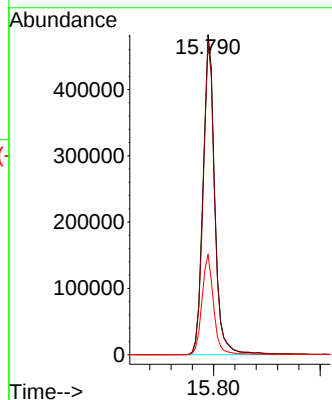
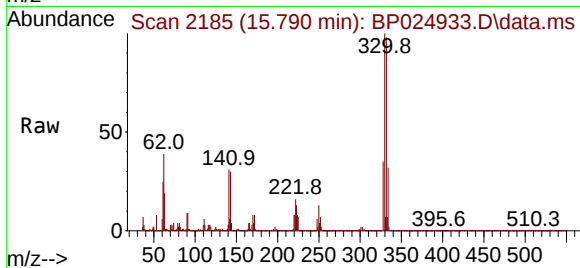




#42
2,4,6-Tribromophenol
Concen: 84.422 ng
RT: 15.790 min Scan# 2185
Delta R.T. 0.006 min
Lab File: BP024933.D
Acq: 12 Jun 2025 17:14

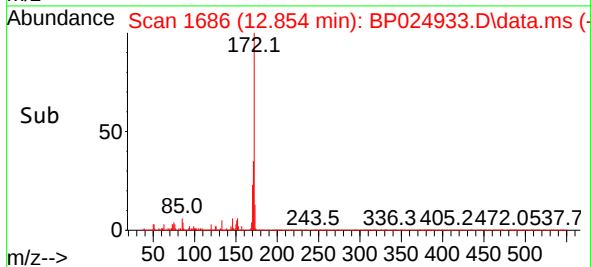
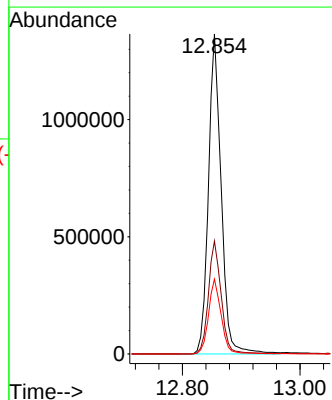
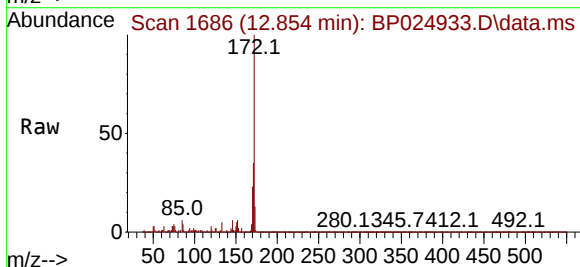
Instrument :
BNA_P
ClientSampleId :
TP02-MH5-WC

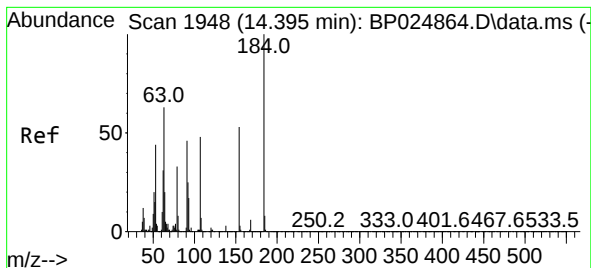
Tgt Ion:330 Resp: 734230
Ion Ratio Lower Upper
330 100
332 97.2 77.7 116.5
141 31.0 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 43.889 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024933.D
Acq: 12 Jun 2025 17:14

Tgt Ion:172 Resp: 2049485
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.4 19.0 28.4





#54

2,4-Dinitrophenol

Concen: 5.565 ng

RT: 14.390 min Scan# 1948

Delta R.T. -0.005 min

Lab File: BP024933.D

Acq: 12 Jun 2025 17:14

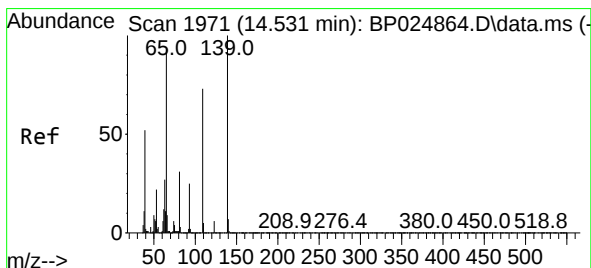
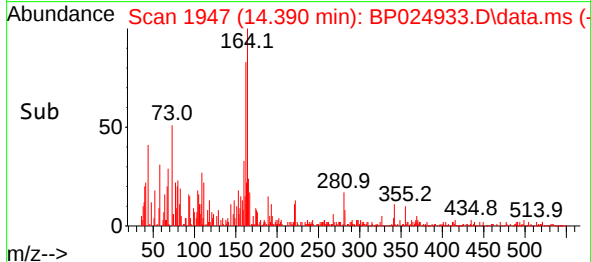
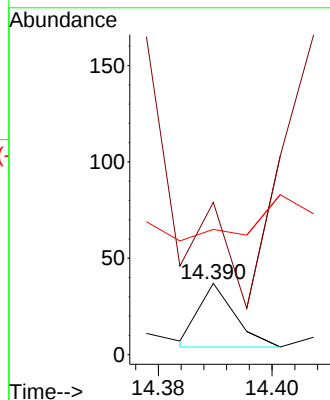
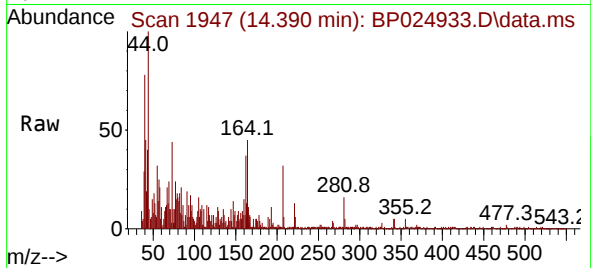
Instrument :

BNA_P

ClientSampleId :

TP02-MH5-WC

Tgt Ion:184	Resp:	14
Ion Ratio	Lower	Upper
184	100	
63	213.5	51.0 76.4#
154	175.7	51.7 77.5#



#56

4-Nitrophenol

Concen: 5.422 ng

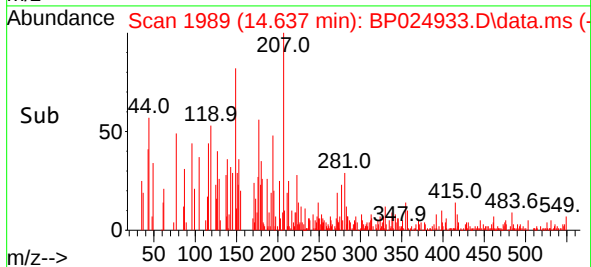
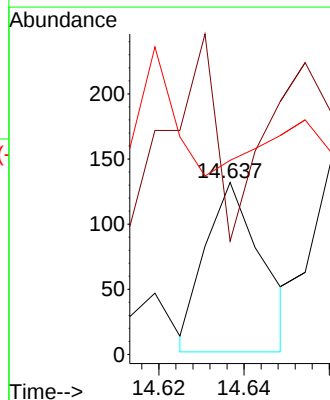
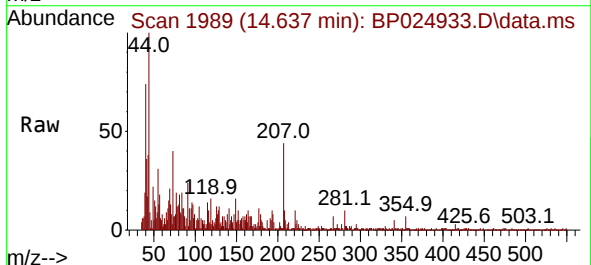
RT: 14.637 min Scan# 1989

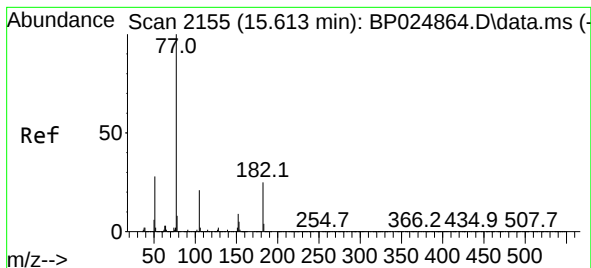
Delta R.T. 0.106 min

Lab File: BP024933.D

Acq: 12 Jun 2025 17:14

Tgt Ion:139	Resp:	120
Ion Ratio	Lower	Upper
139	100	
109	65.9	53.1 93.1
65	112.9	73.0 113.0





#63

Azobenzene

Concen: 3.908 ng

RT: 15.648 min Scan# 2155

Delta R.T. 0.035 min

Lab File: BP024933.D

Acq: 12 Jun 2025 17:14

Instrument :

BNA_P

ClientSampleId :

TP02-MH5-WC

Tgt Ion: 77 Resp: 165748

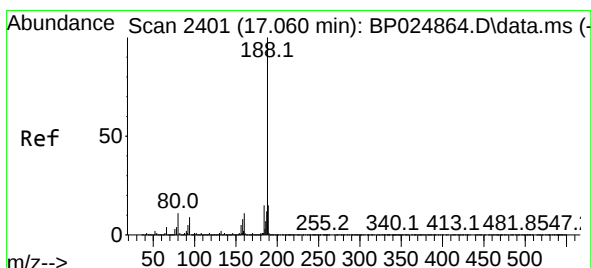
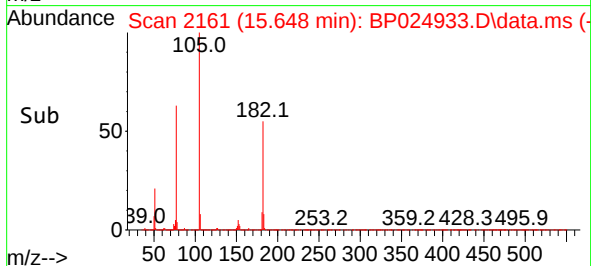
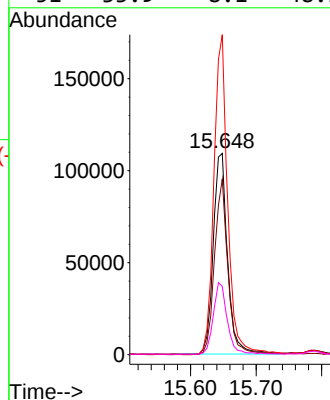
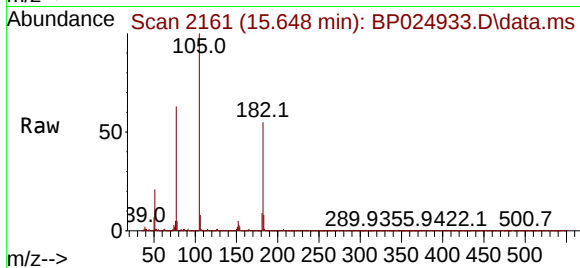
Ion Ratio Lower Upper

77 100

182 87.2 5.4 45.4#

105 159.0 0.8 40.8#

51 33.9 8.1 48.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.078 min Scan# 2404

Delta R.T. 0.018 min

Lab File: BP024933.D

Acq: 12 Jun 2025 17:14

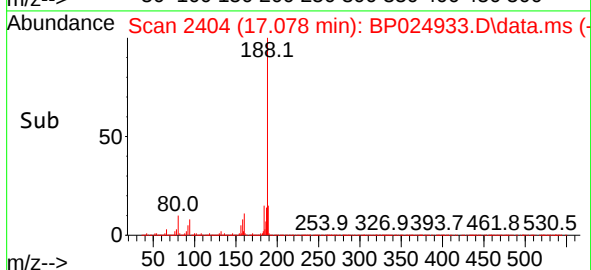
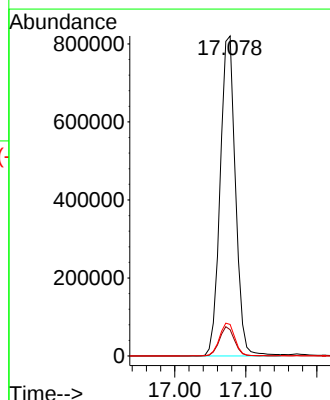
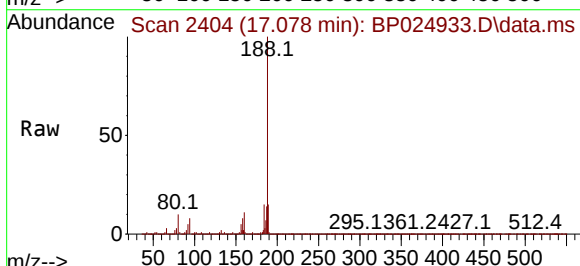
Tgt Ion: 188 Resp: 1224169

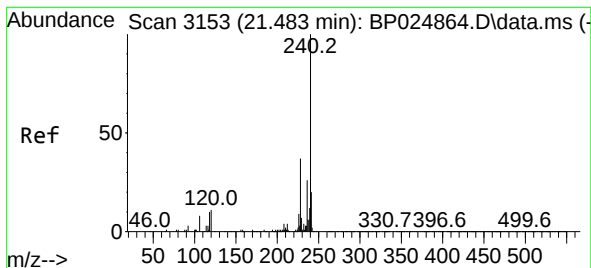
Ion Ratio Lower Upper

188 100

94 8.2 7.3 10.9

80 9.9 8.5 12.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.495 min Scan# 3155

Delta R.T. 0.012 min

Lab File: BP024933.D

Acq: 12 Jun 2025 17:14

Instrument :

BNA_P

ClientSampleId :

TP02-MH5-WC

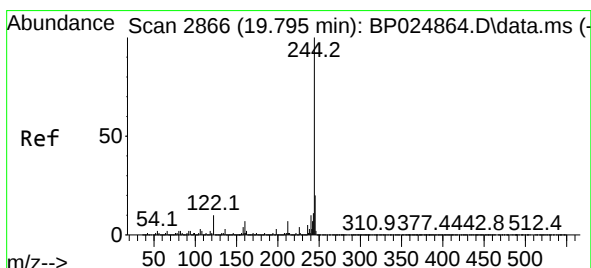
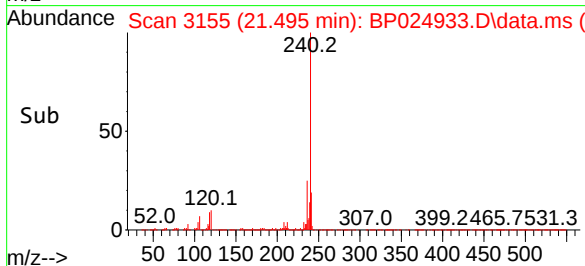
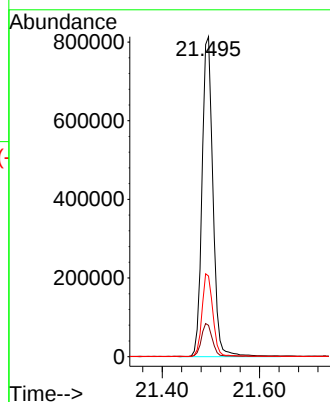
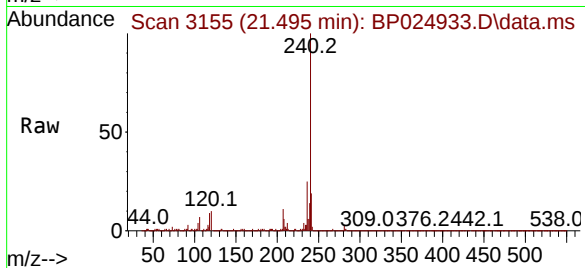
Tgt Ion:240 Resp: 1265014

Ion Ratio Lower Upper

240 100

120 9.8 8.9 13.3

236 25.2 20.9 31.3



#79

Terphenyl-d14

Concen: 42.945 ng

RT: 19.795 min Scan# 2866

Delta R.T. 0.000 min

Lab File: BP024933.D

Acq: 12 Jun 2025 17:14

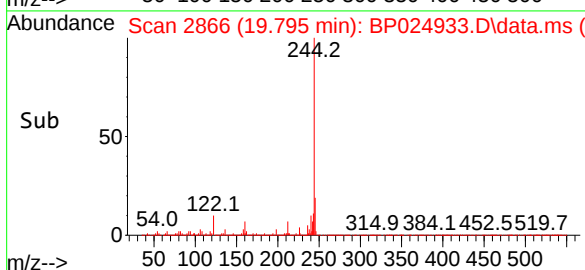
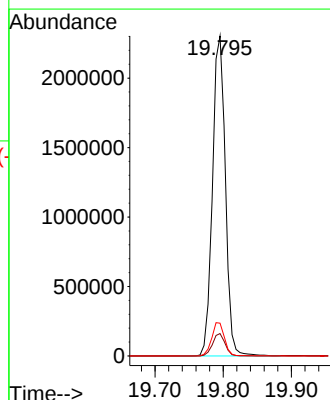
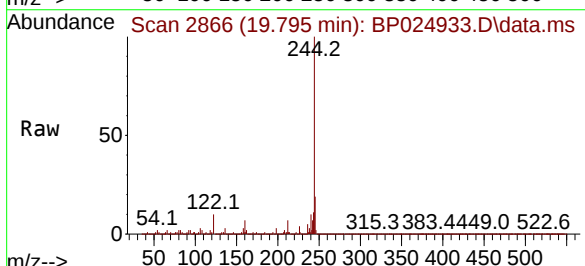
Tgt Ion:244 Resp: 3031160

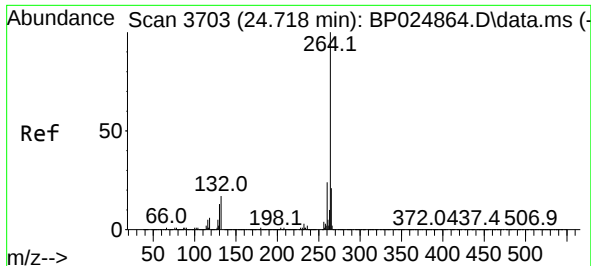
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.3 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.760 min Scan# 31
 Delta R.T. 0.041 min
 Lab File: BP024933.D
 Acq: 12 Jun 2025 17:14

Instrument :
 BNA_P
 ClientSampleId :
 TP02-MH5-WC

Tgt Ion:264 Resp: 1534618
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.4
 265 22.5 17.4 26.0

