

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
 Data File : BP024894.D
 Acq On : 10 Jun 2025 15:05
 Operator : RC/JU
 Sample : Q2176-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-65

Quant Time: Jun 10 15:28:58 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)

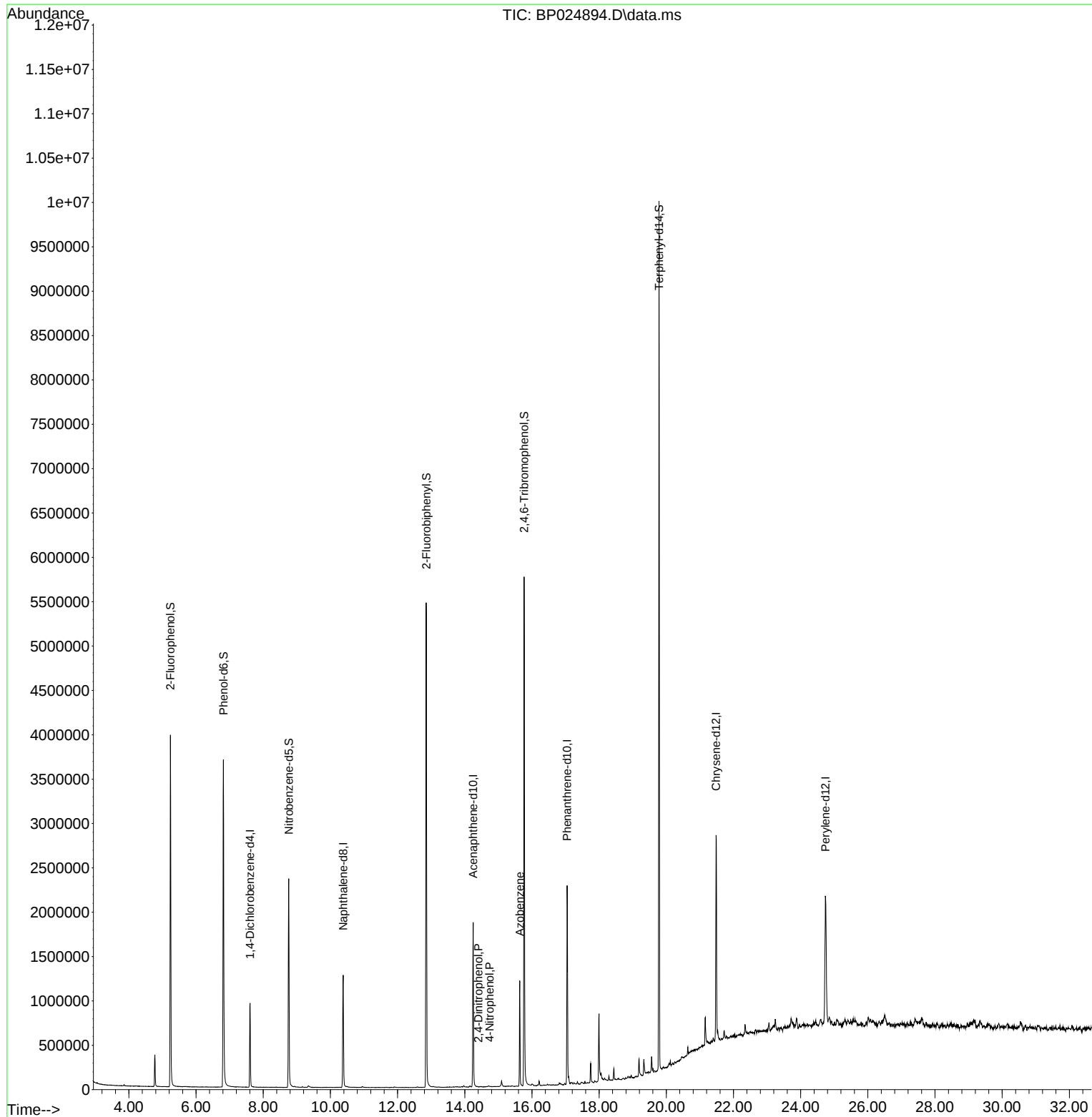
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	258411	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1090500	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	691206	20.000	ng	0.00
64) Phenanthrene-d10	17.048	188	1373079	20.000	ng	-0.01
76) Chrysene-d12	21.483	240	1382027	20.000	ng	0.00
86) Perylene-d12	24.736	264	1592939	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1744524	112.687	ng	0.00
7) Phenol-d6	6.814	99	2291033	111.850	ng	0.00
23) Nitrobenzene-d5	8.761	82	1410528	62.854	ng	0.00
42) 2,4,6-Tribromophenol	15.766	330	1137466	119.028	ng	-0.02
45) 2-Fluorobiphenyl	12.854	172	2961471	57.717	ng	0.00
79) Terphenyl-d14	19.783	244	4503227	58.399	ng	-0.01
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.407	184	21	5.566	ng	# 1
56) 4-Nitrophenol	14.737	139	202	5.429	ng	92
63) Azobenzene	15.637	77	303915	6.521	ng	# 1

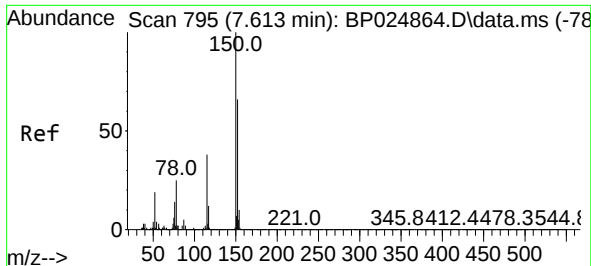
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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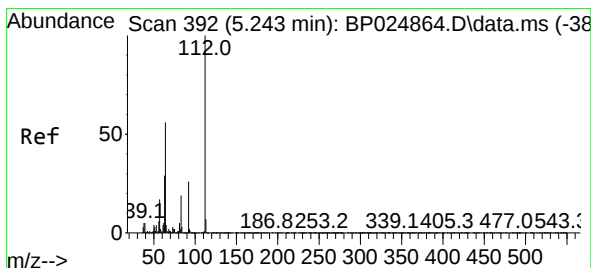
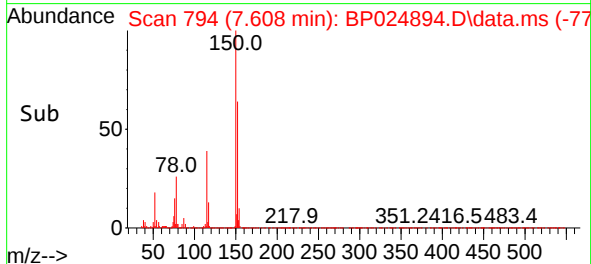
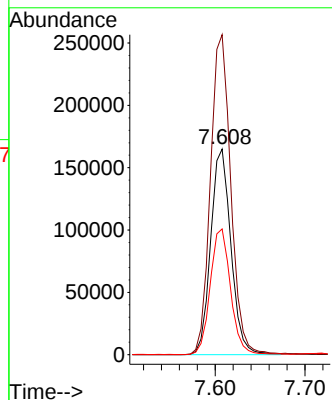
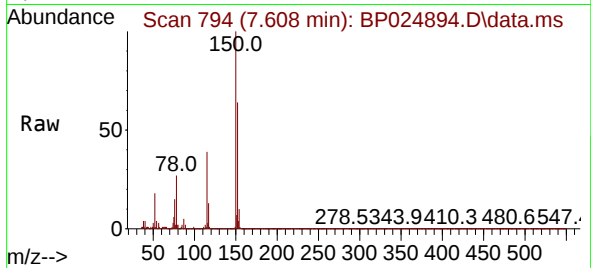




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

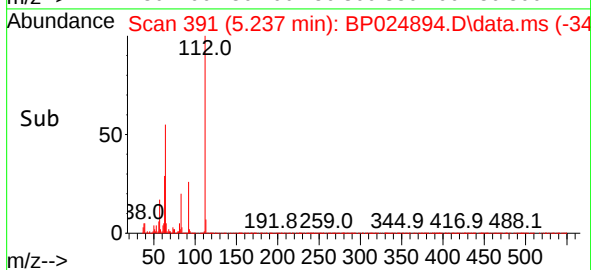
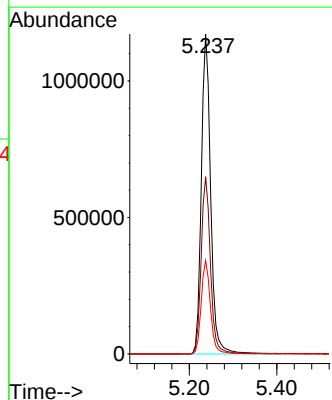
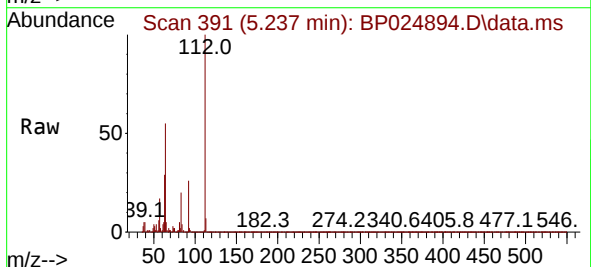
Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion:152 Resp: 258411
Ion Ratio Lower Upper
152 100
150 155.6 122.1 183.1
115 61.1 46.4 69.6



#5
2-Fluorophenol
Concen: 112.687 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:112 Resp: 1744524
Ion Ratio Lower Upper
112 100
64 55.4 44.7 67.1
63 29.2 23.5 35.3



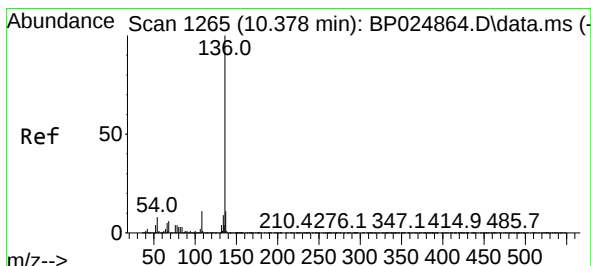
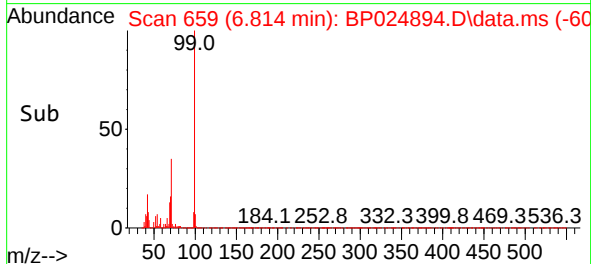
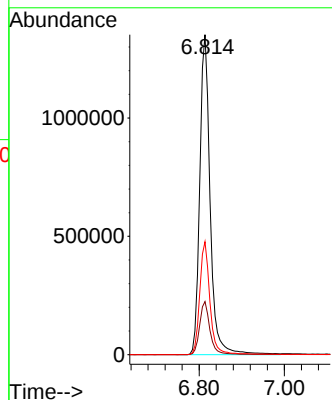
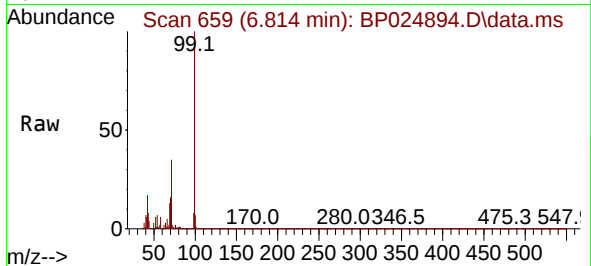


#7
Phenol-d6
Concen: 111.850 ng
RT: 6.814 min Scan# 659
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Instrument :
BNA_P
ClientSampleId :
TP-65

Tgt Ion: 99 Resp: 2291033

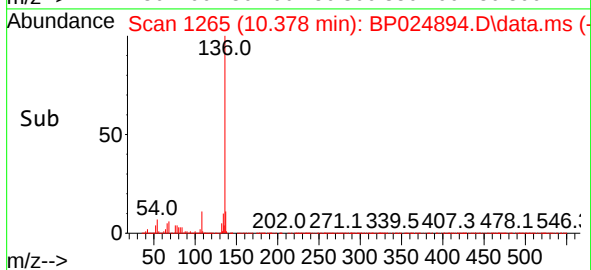
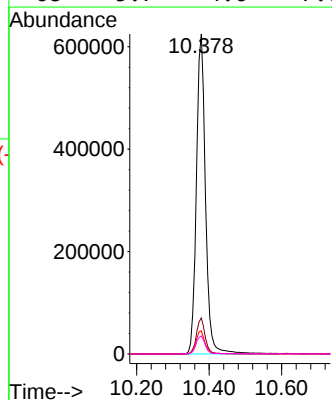
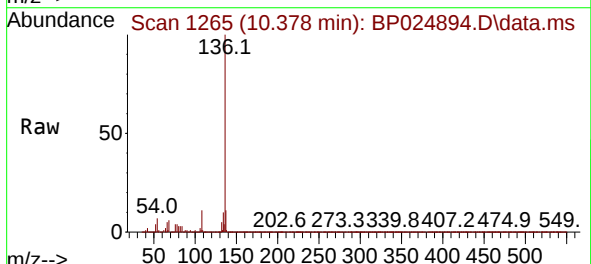
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	35.3	27.6	41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion: 136 Resp: 1090500

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.2	6.1	9.1
68	5.7	4.6	7.0

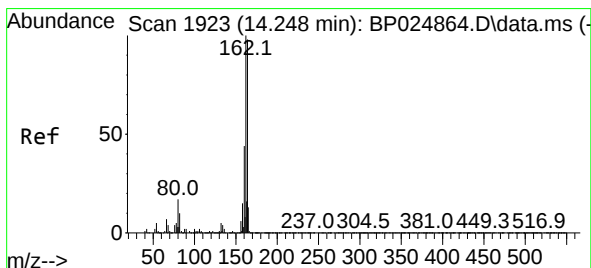
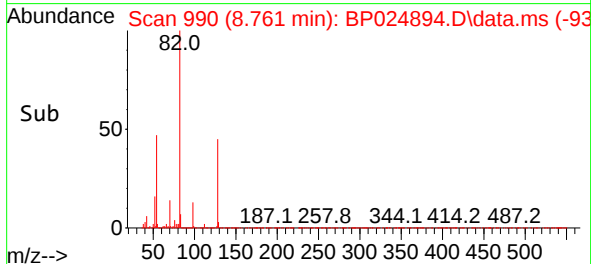
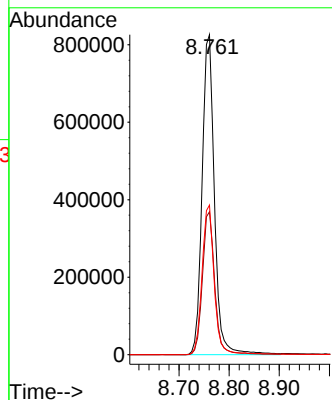
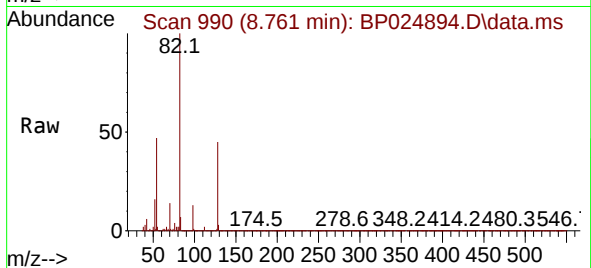




#23
Nitrobenzene-d5
Concen: 62.854 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

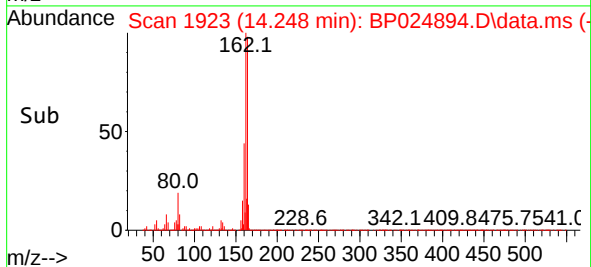
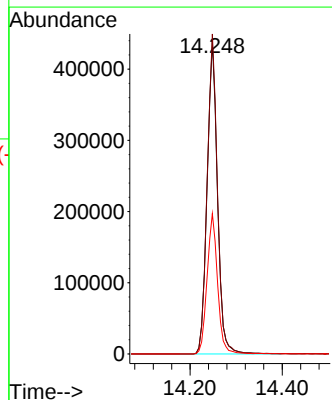
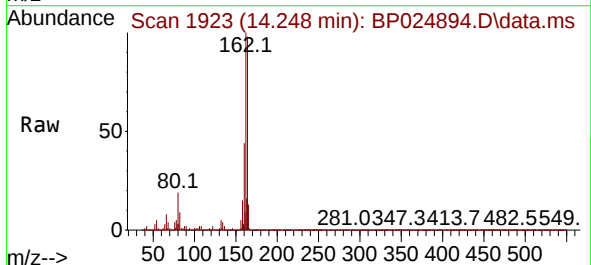
Instrument :
BNA_P
ClientSampleId :
TP-65

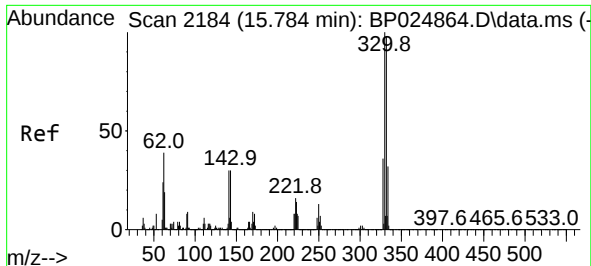
Tgt Ion: 82 Resp: 1410528
Ion Ratio Lower Upper
82 100
128 44.7 35.3 52.9
54 46.8 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:164 Resp: 691206
Ion Ratio Lower Upper
164 100
162 102.6 81.6 122.4
160 45.0 36.2 54.2

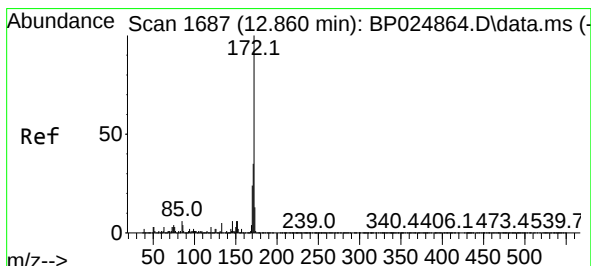
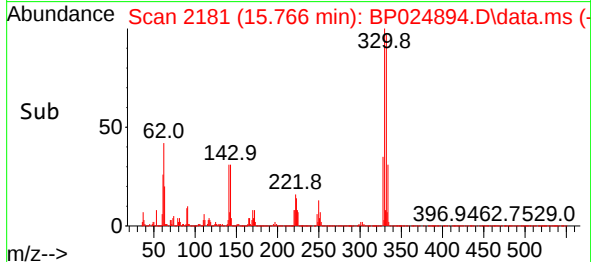
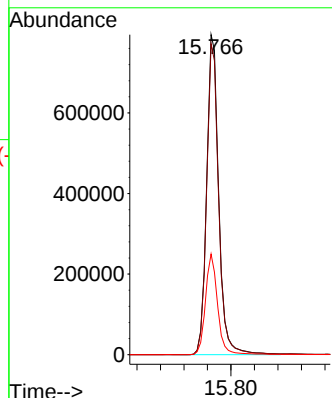
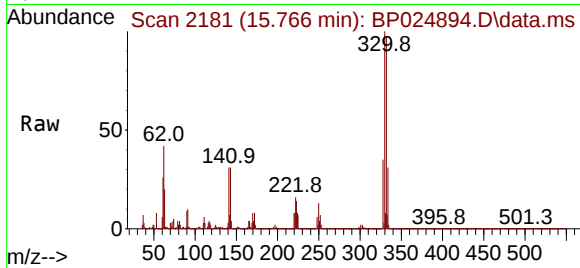




#42
2,4,6-Tribromophenol
Concen: 119.028 ng
RT: 15.766 min Scan# 2184
Delta R.T. -0.018 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

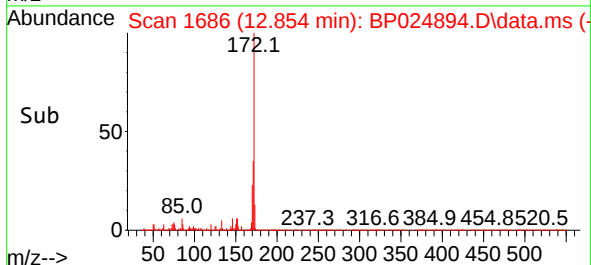
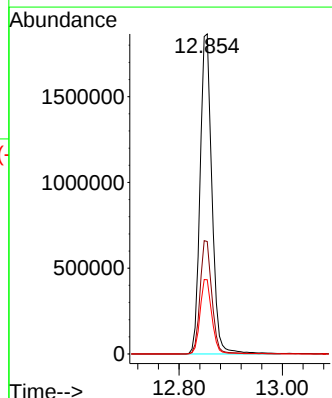
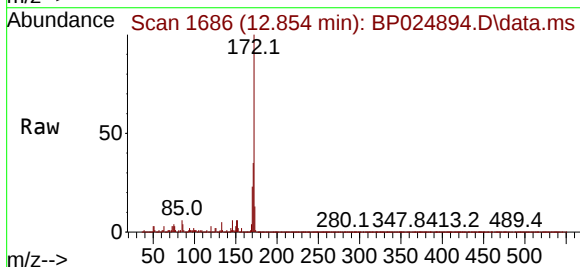
Instrument :
BNA_P
ClientSampleId :
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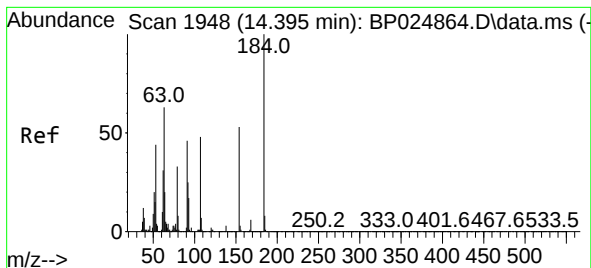
Tgt Ion:330 Resp: 1137466
Ion Ratio Lower Upper
330 100
332 96.9 77.7 116.5
141 31.4 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 57.717 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:172 Resp: 2961471
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.2 19.0 28.4





#54

2,4-Dinitrophenol

Concen: 5.566 ng

RT: 14.407 min Scan# 1948

Delta R.T. 0.012 min

Lab File: BP024894.D

Acq: 10 Jun 2025 15:05

Instrument :

BNA_P

ClientSampleId :

TP-65

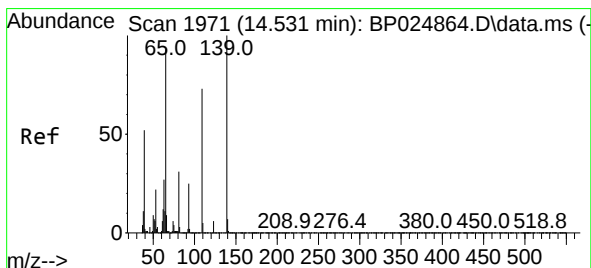
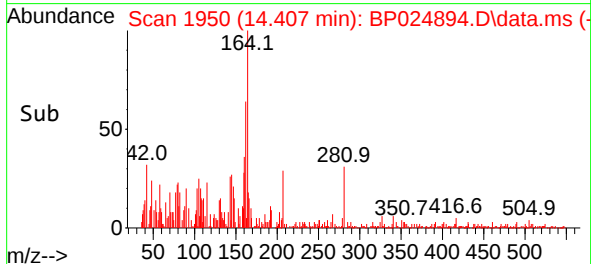
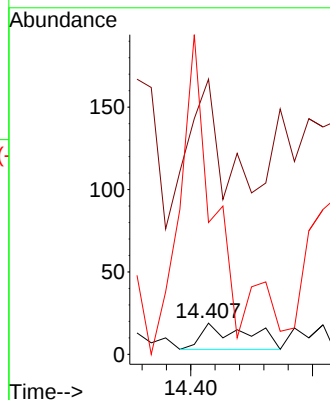
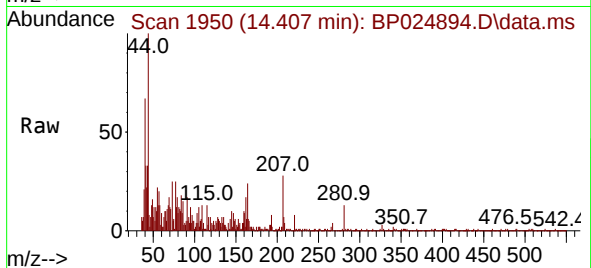
Tgt Ion:184 Resp: 21

Ion Ratio Lower Upper

184 100

63 878.9 51.0 76.4#

154 421.1 51.7 77.5#



#56

4-Nitrophenol

Concen: 5.429 ng

RT: 14.737 min Scan# 2006

Delta R.T. 0.206 min

Lab File: BP024894.D

Acq: 10 Jun 2025 15:05

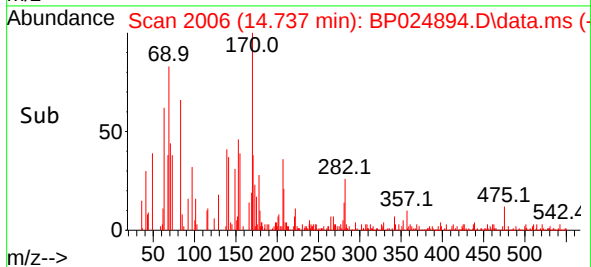
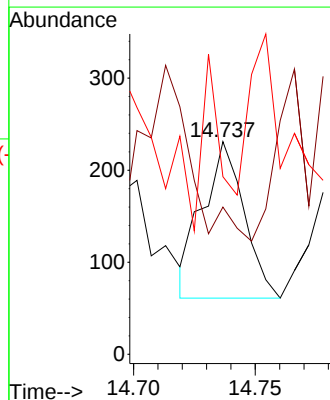
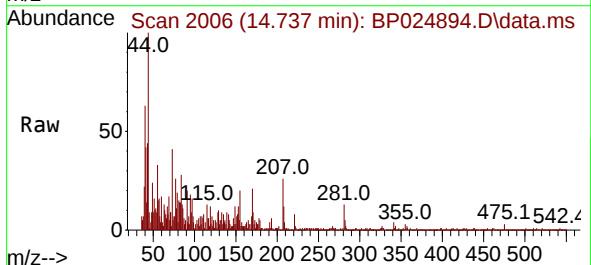
Tgt Ion:139 Resp: 202

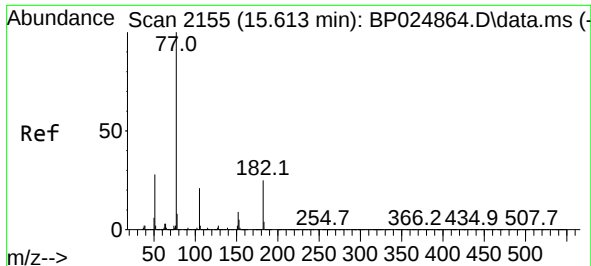
Ion Ratio Lower Upper

139 100

109 69.3 53.1 93.1

65 83.5 73.0 113.0

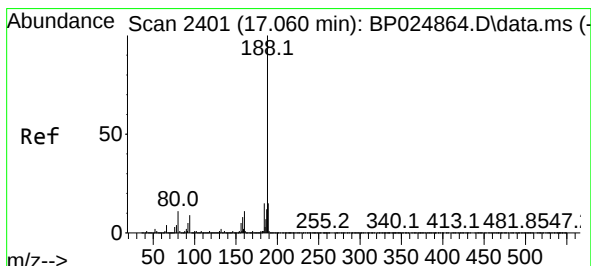
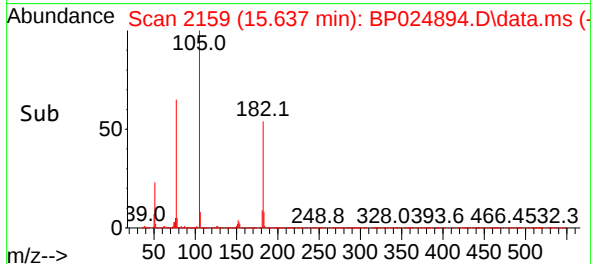
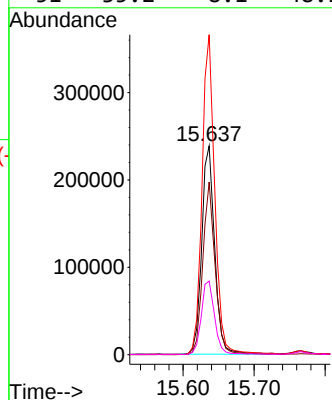
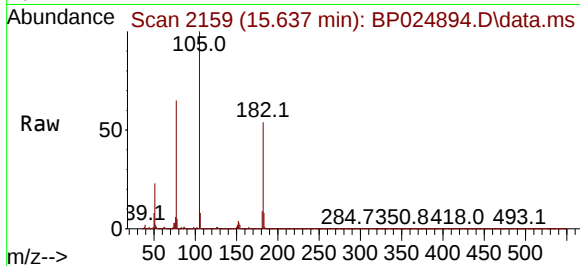




#63
Azobenzene
Concen: 6.521 ng
RT: 15.637 min Scan# 2155
Delta R.T. 0.024 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

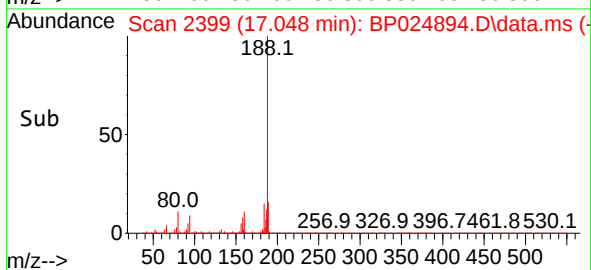
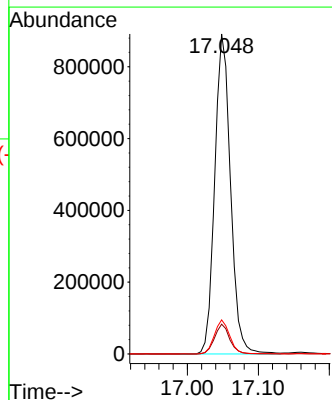
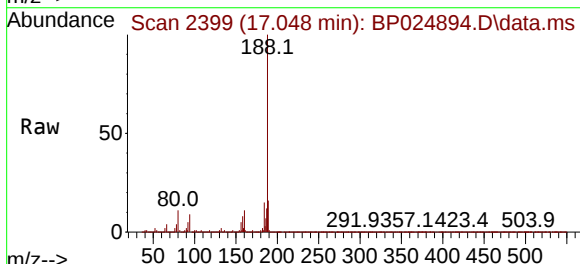
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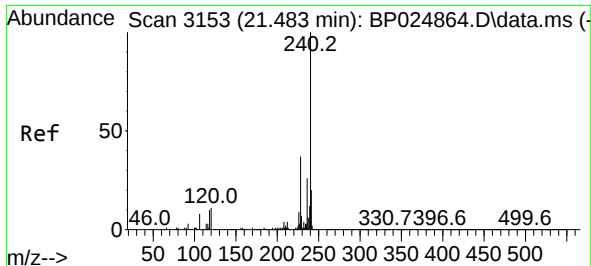
Tgt Ion: 77 Resp: 303915
Ion Ratio Lower Upper
77 100
182 82.7 5.4 45.4#
105 153.2 0.8 40.8#
51 35.2 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion: 188 Resp: 1373079
Ion Ratio Lower Upper
188 100
94 9.3 7.3 10.9
80 10.7 8.5 12.7

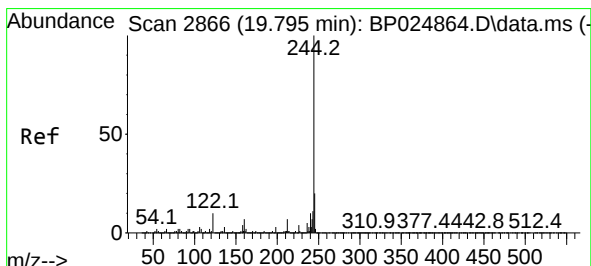
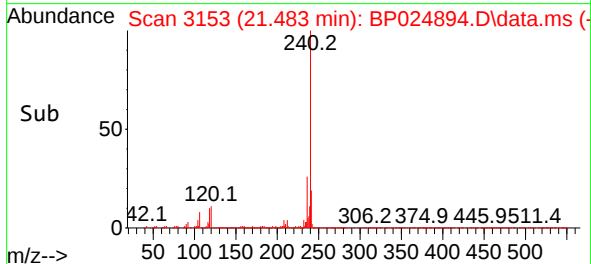
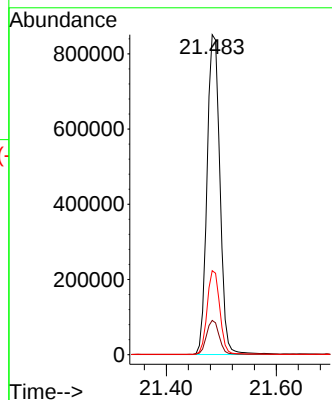
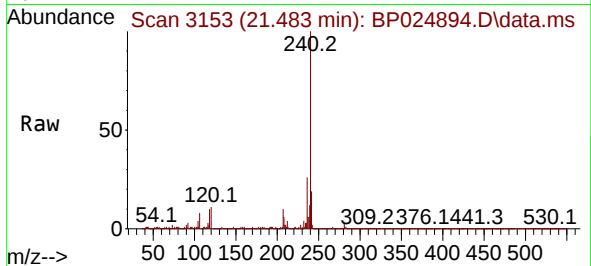




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.000 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

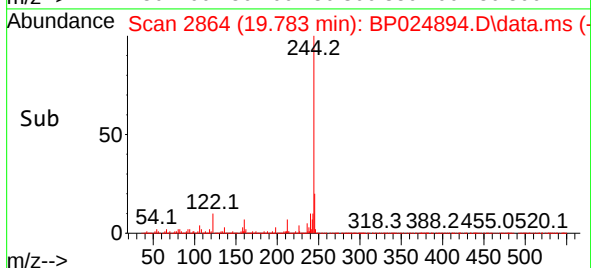
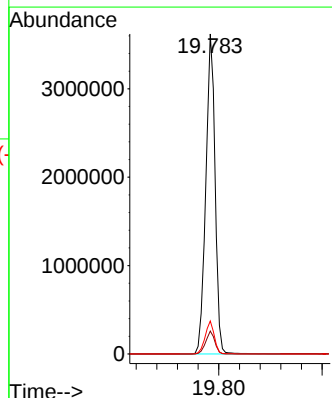
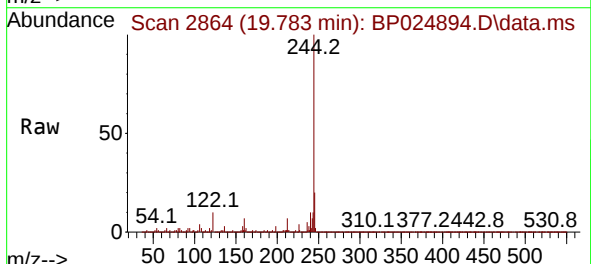
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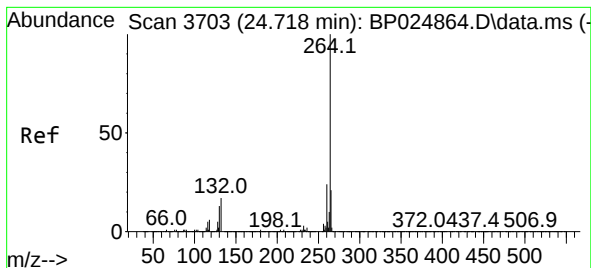
Tgt Ion:240 Resp: 1382027
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 26.2 20.9 31.3



#79
Terphenyl-d14
Concen: 58.399 ng
RT: 19.783 min Scan# 2864
Delta R.T. -0.012 min
Lab File: BP024894.D
Acq: 10 Jun 2025 15:05

Tgt Ion:244 Resp: 4503227
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 10.3 7.7 11.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.736 min Scan# 31

Delta R.T. 0.018 min

Lab File: BP024894.D

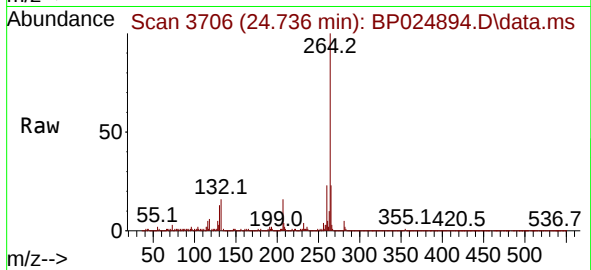
Acq: 10 Jun 2025 15:05

Instrument :

BNA_P

ClientSampleId :

TP-65



Tgt Ion:264 Resp: 1592939

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 22.6 17.4 26.0

