

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
 Data File : BP024908.D
 Acq On : 11 Jun 2025 12:18
 Operator : RC/JU
 Sample : Q2176-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-25

Quant Time: Jun 11 12:45:07 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)

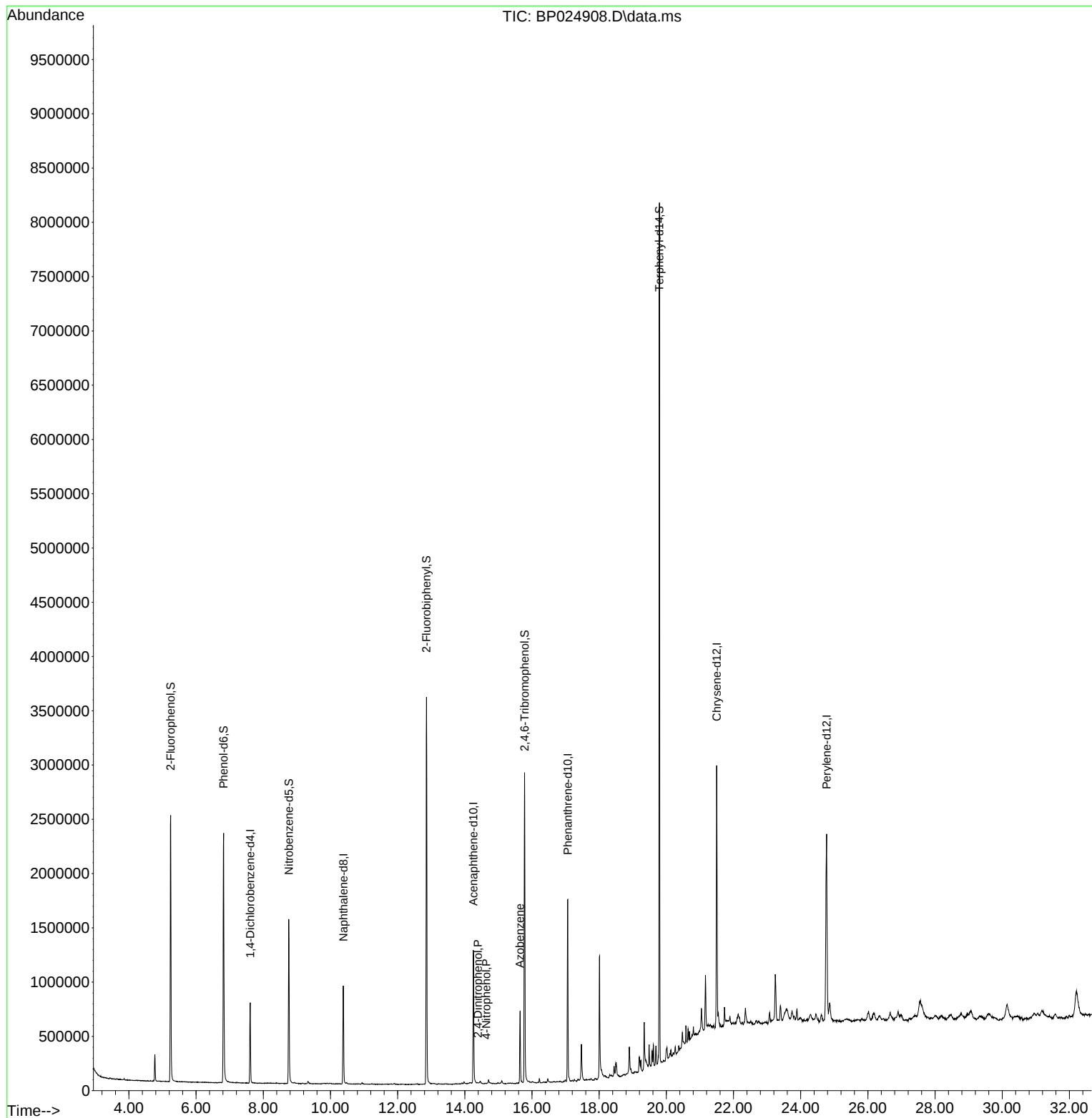
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	205856	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	780618	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	477183	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	971702	20.000	ng	0.00
76) Chrysene-d12	21.501	240	1285001	20.000	ng	0.02
86) Perylene-d12	24.771	264	1716480	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1152186	93.426	ng	0.00
7) Phenol-d6	6.819	99	1470782	90.136	ng	0.00
23) Nitrobenzene-d5	8.760	82	879362	54.740	ng	0.00
42) 2,4,6-Tribromophenol	15.783	330	639862	96.988	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	1913889	54.030	ng	0.00
79) Terphenyl-d14	19.795	244	3478646	48.518	ng	0.00
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.389	184	18	5.567	ng	# 1
56) 4-Nitrophenol	14.636	139	196	5.437	ng	89
63) Azobenzene	15.642	77	185722	5.772	ng	# 1

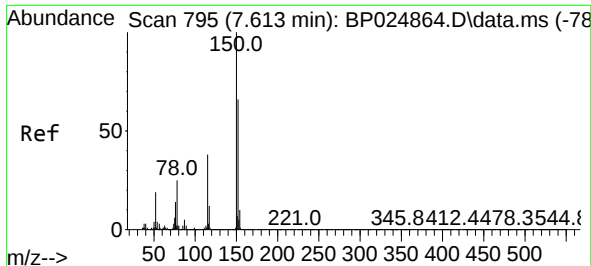
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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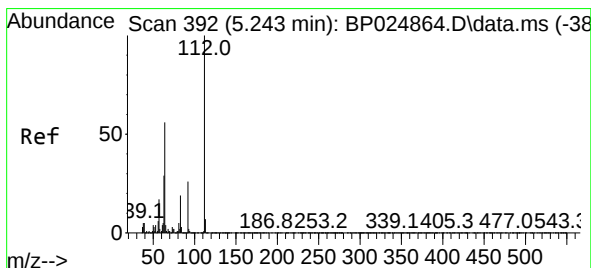
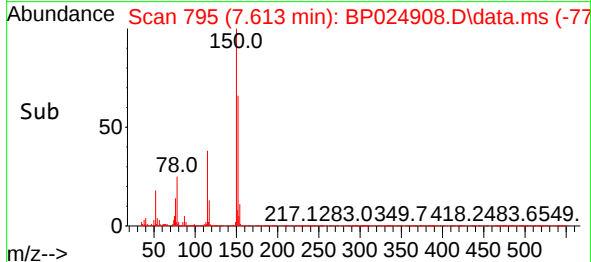
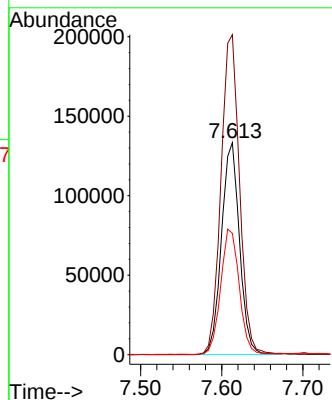
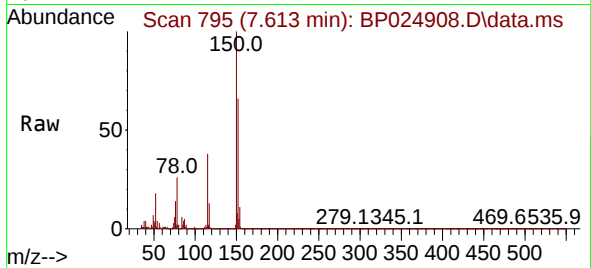




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

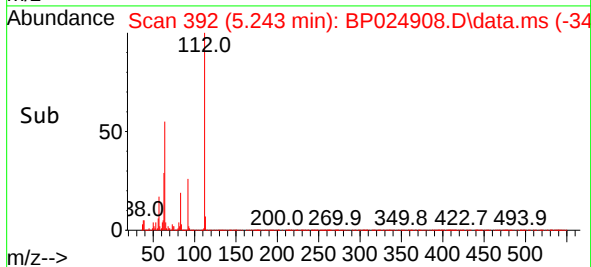
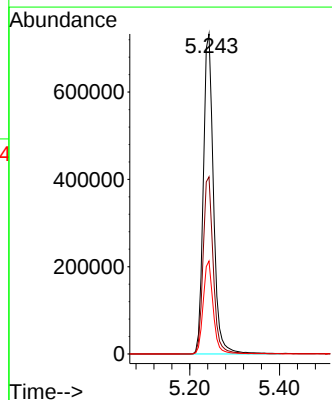
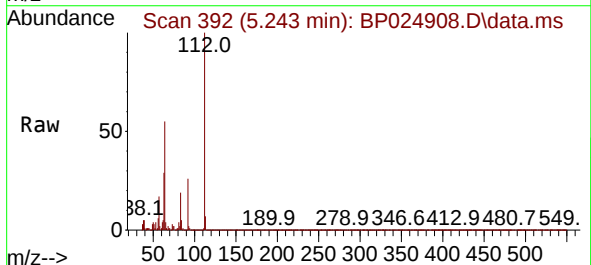
Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion:152 Resp: 205856
Ion Ratio Lower Upper
152 100
150 151.0 122.1 183.1
115 57.3 46.4 69.6



#5
2-Fluorophenol
Concen: 93.426 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:112 Resp: 1152186
Ion Ratio Lower Upper
112 100
64 55.3 44.7 67.1
63 29.0 23.5 35.3

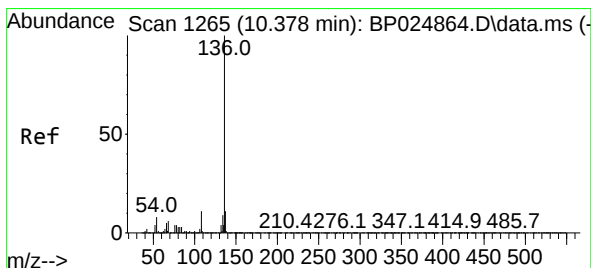
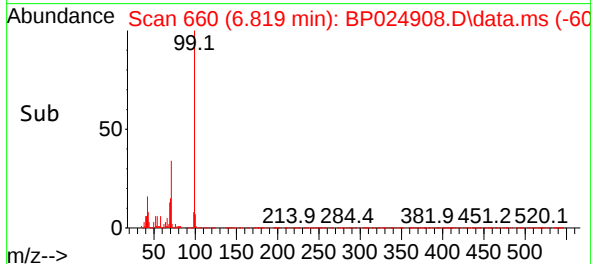
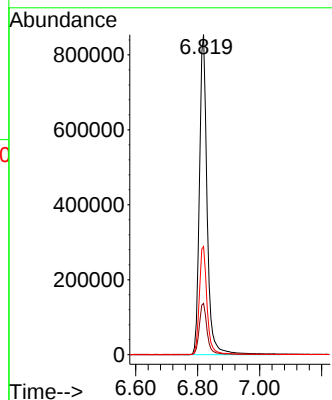
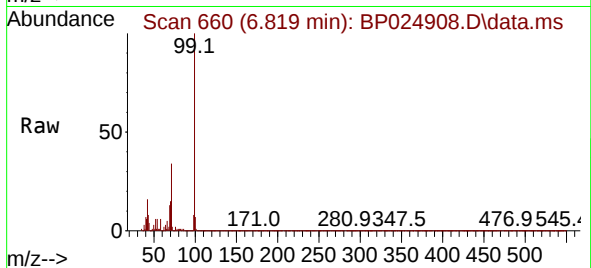




#7
Phenol-d6
Concen: 90.136 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

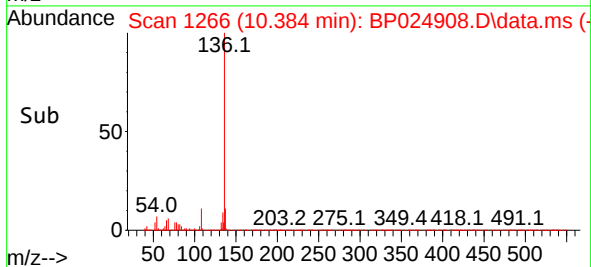
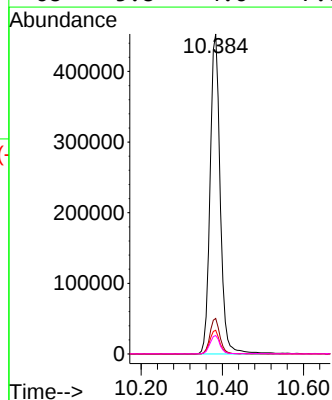
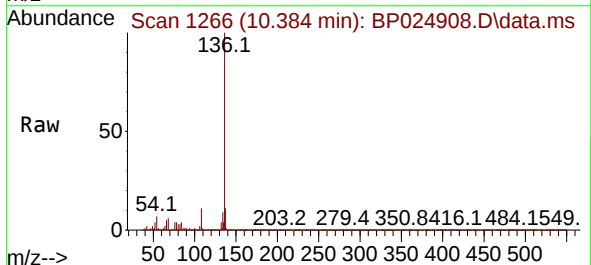
Instrument :
BNA_P
ClientSampleId :
TP-25

Tgt Ion: 99 Resp: 1470782
Ion Ratio Lower Upper
99 100
42 16.0 13.4 20.2
71 33.8 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion: 136 Resp: 780618
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.4 6.1 9.1
68 5.8 4.6 7.0

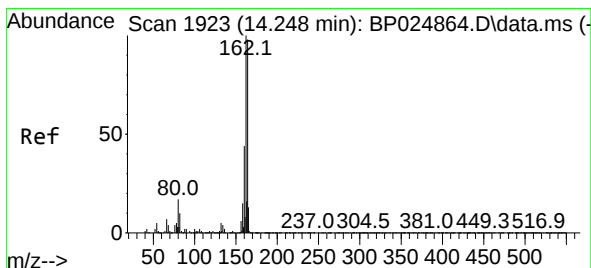
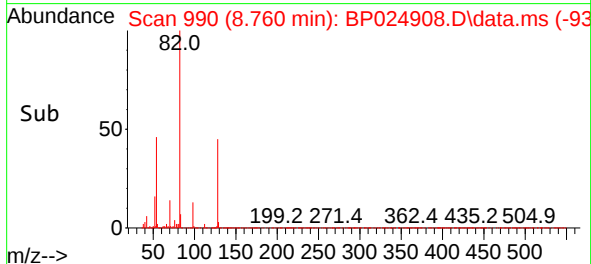
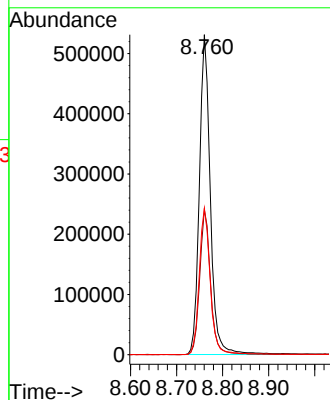
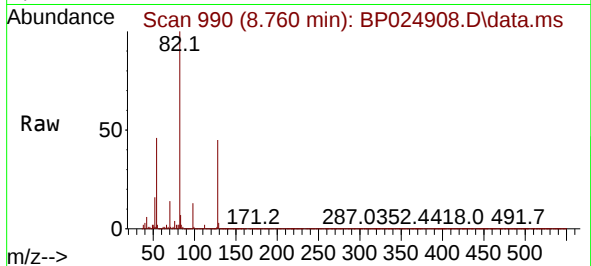




#23
 Nitrobenzene-d5
 Concen: 54.740 ng
 RT: 8.760 min Scan# 990
 Delta R.T. -0.000 min
 Lab File: BP024908.D
 Acq: 11 Jun 2025 12:18

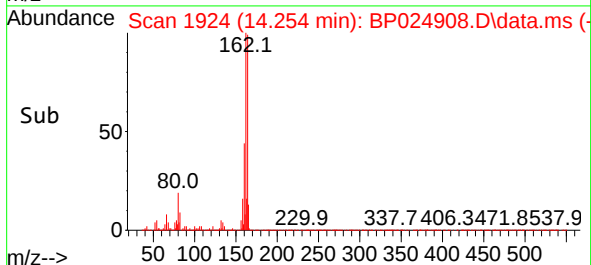
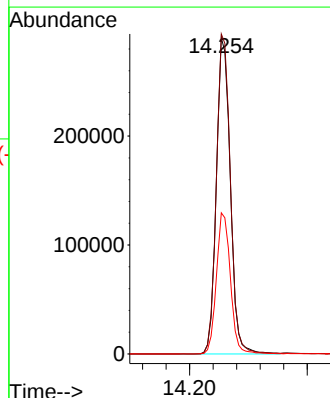
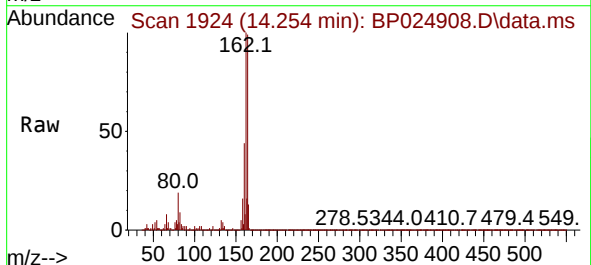
Instrument :
 BNA_P
 ClientSampleId :
 TP-25

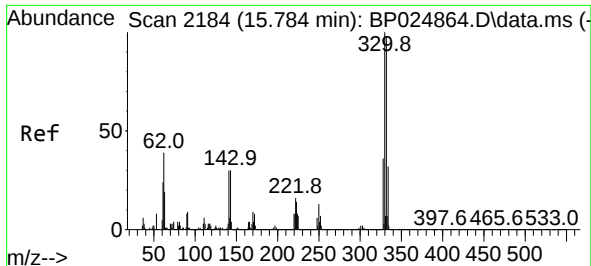
Tgt Ion: 82 Resp: 879362
 Ion Ratio Lower Upper
 82 100
 128 45.4 35.3 52.9
 54 45.8 37.4 56.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.254 min Scan# 1924
 Delta R.T. 0.006 min
 Lab File: BP024908.D
 Acq: 11 Jun 2025 12:18

Tgt Ion:164 Resp: 477183
 Ion Ratio Lower Upper
 164 100
 162 101.2 81.6 122.4
 160 44.7 36.2 54.2

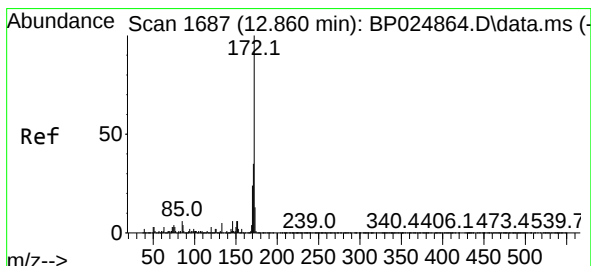
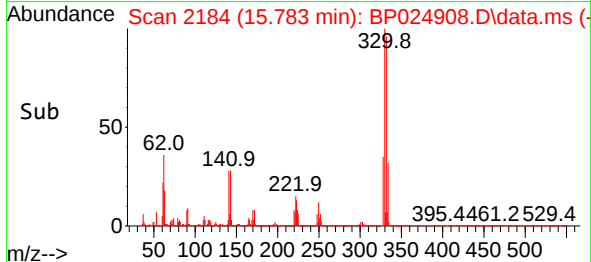
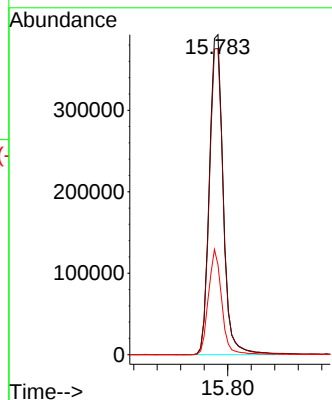
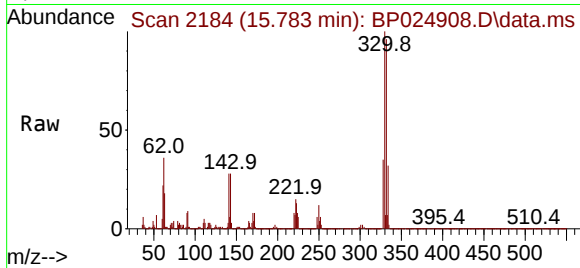




#42
2,4,6-Tribromophenol
Concen: 96.988 ng
RT: 15.783 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

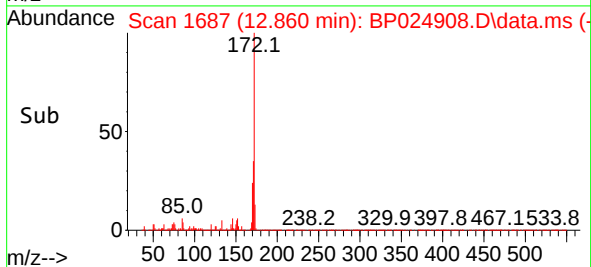
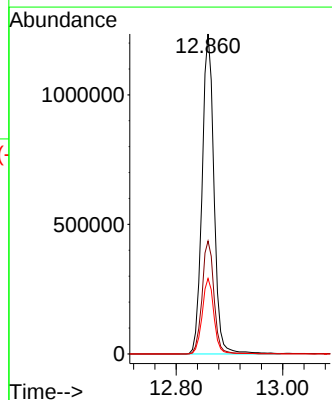
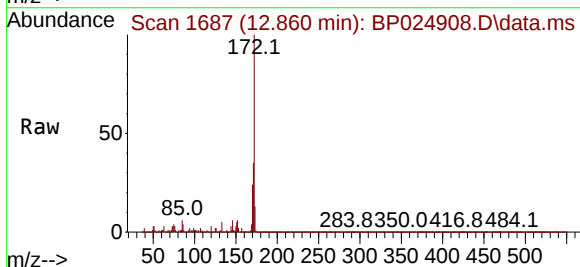
Instrument :
BNA_P
ClientSampleId :
TP-25

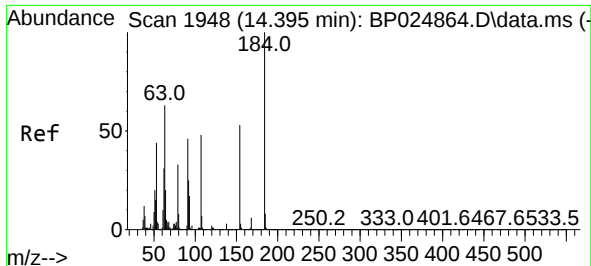
Tgt Ion: 330 Resp: 639862
Ion Ratio Lower Upper
330 100
332 97.1 77.7 116.5
141 31.5 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 54.030 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion: 172 Resp: 1913889
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.6 19.0 28.4

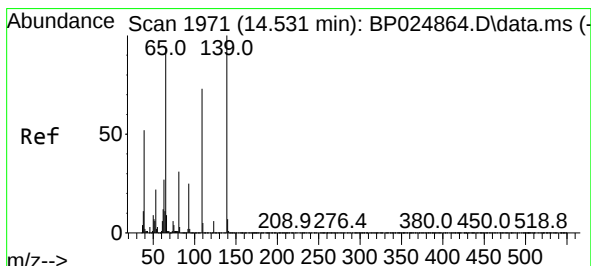
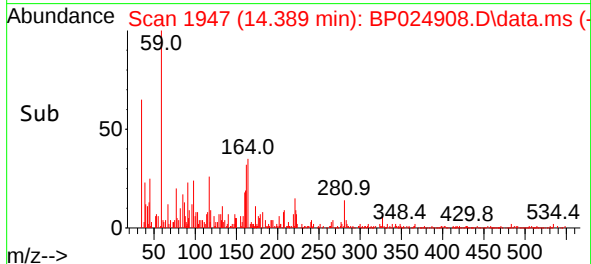
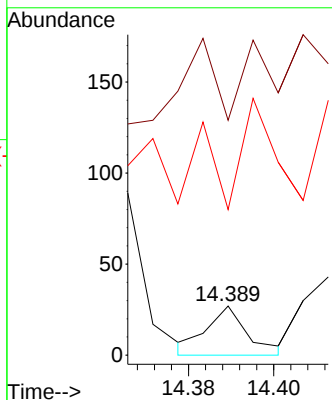
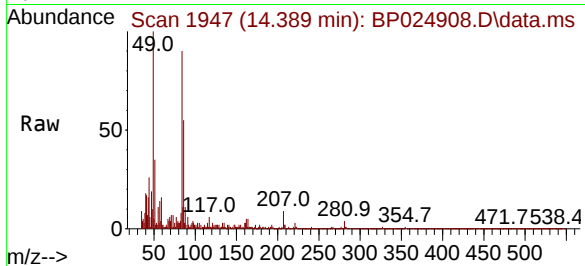




#54
2,4-Dinitrophenol
Concen: 5.567 ng
RT: 14.389 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

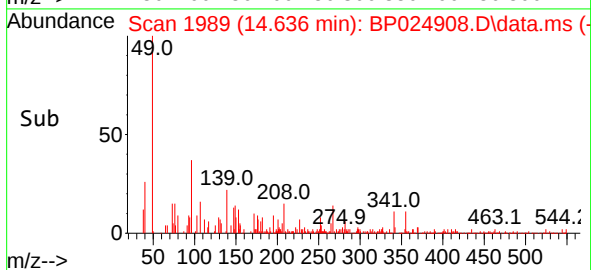
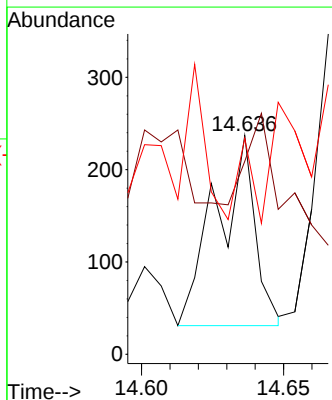
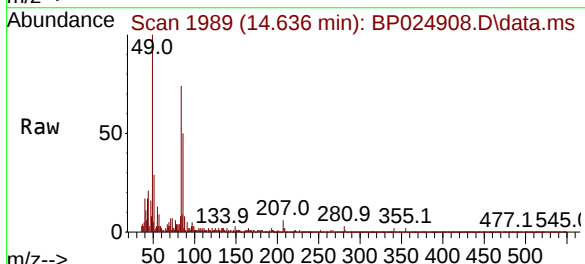
Instrument :
BNA_P
ClientSampleId :
TP-25

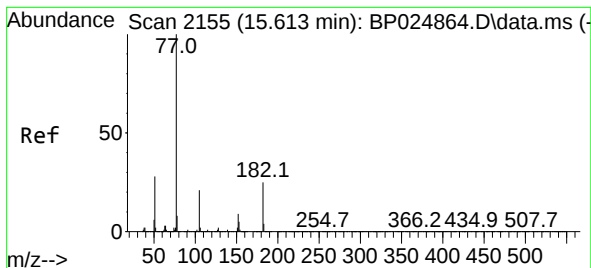
Tgt Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 477.8 51.0 76.4#
154 296.3 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.437 ng
RT: 14.636 min Scan# 1989
Delta R.T. 0.105 min
Lab File: BP024908.D
Acq: 11 Jun 2025 12:18

Tgt Ion:139 Resp: 196
Ion Ratio Lower Upper
139 100
109 88.2 53.1 93.1
65 98.7 73.0 113.0





#63

Azobenzene

Concen: 5.772 ng

RT: 15.642 min Scan# 2155

Delta R.T. 0.029 min

Lab File: BP024908.D

Acq: 11 Jun 2025 12:18

Instrument :

BNA_P

ClientSampleId :

TP-25

Tgt Ion: 77 Resp: 185722

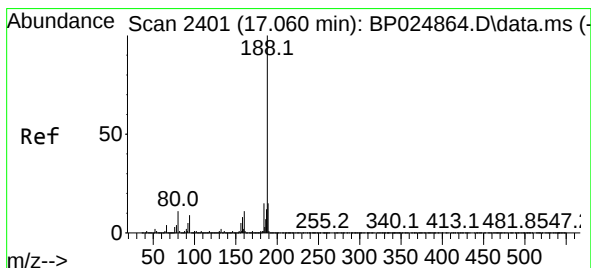
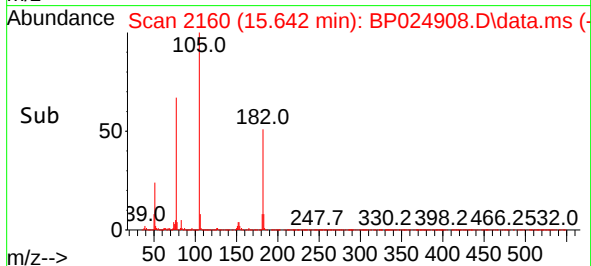
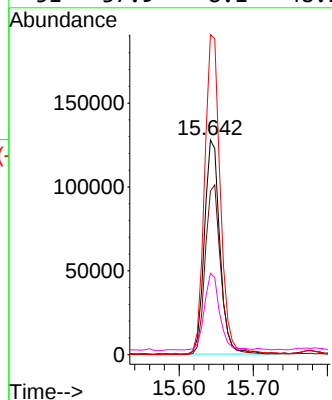
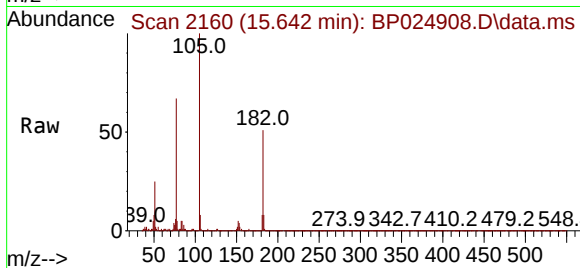
Ion Ratio Lower Upper

77 100

182 76.2 5.4 45.4#

105 149.0 0.8 40.8#

51 37.9 8.1 48.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.066 min Scan# 2402

Delta R.T. 0.006 min

Lab File: BP024908.D

Acq: 11 Jun 2025 12:18

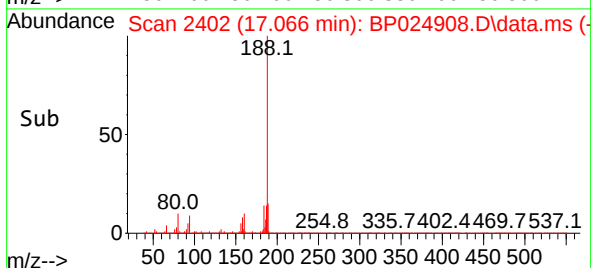
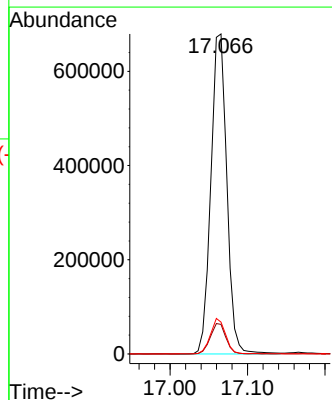
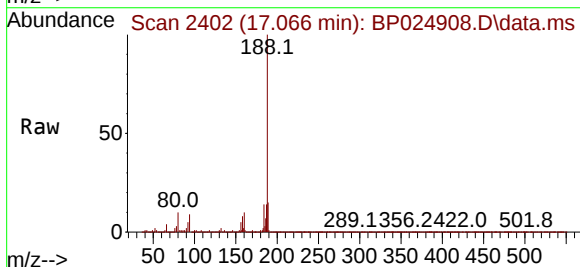
Tgt Ion: 188 Resp: 971702

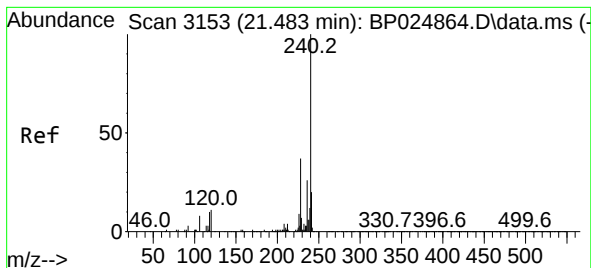
Ion Ratio Lower Upper

188 100

94 9.2 7.3 10.9

80 10.0 8.5 12.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.501 min Scan# 3156

Delta R.T. 0.017 min

Lab File: BP024908.D

Acq: 11 Jun 2025 12:18

Instrument :

BNA_P

ClientSampleId :

TP-25

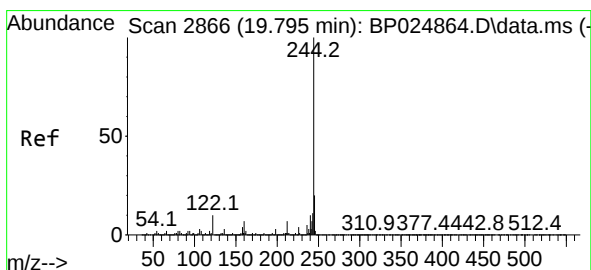
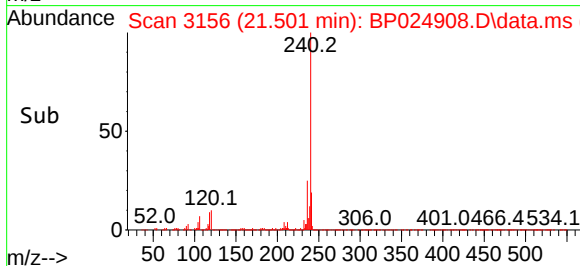
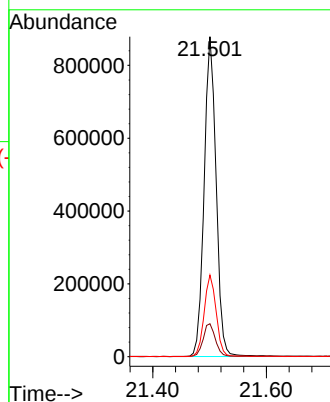
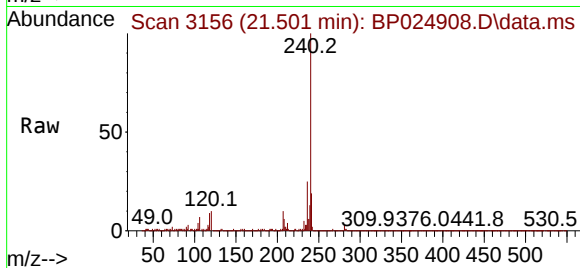
Tgt Ion:240 Resp: 1285001

Ion Ratio Lower Upper

240 100

120 10.3 8.9 13.3

236 25.5 20.9 31.3



#79

Terphenyl-d14

Concen: 48.518 ng

RT: 19.795 min Scan# 2866

Delta R.T. -0.000 min

Lab File: BP024908.D

Acq: 11 Jun 2025 12:18

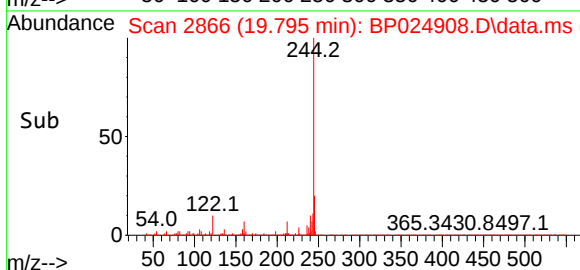
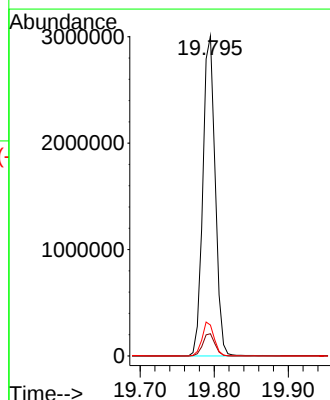
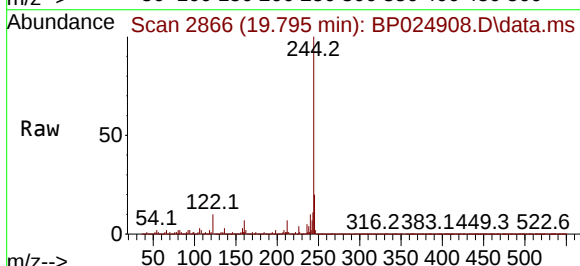
Tgt Ion:244 Resp: 3478646

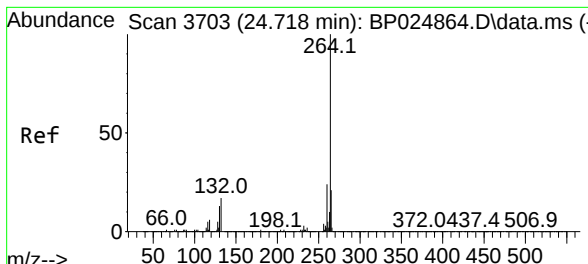
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 9.6 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.771 min Scan# 31
 Delta R.T. 0.053 min
 Lab File: BP024908.D
 Acq: 11 Jun 2025 12:18

Instrument :
 BNA_P
 ClientSampleId :
 TP-25

Tgt Ion:264 Resp: 1716480

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	21.9	17.4	26.0

