

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061825\
 Data File : BP024994.D
 Acq On : 18 Jun 2025 14:45
 Operator : RC/JU
 Sample : Q2319-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-B

Quant Time: Jun 18 15:03:58 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)

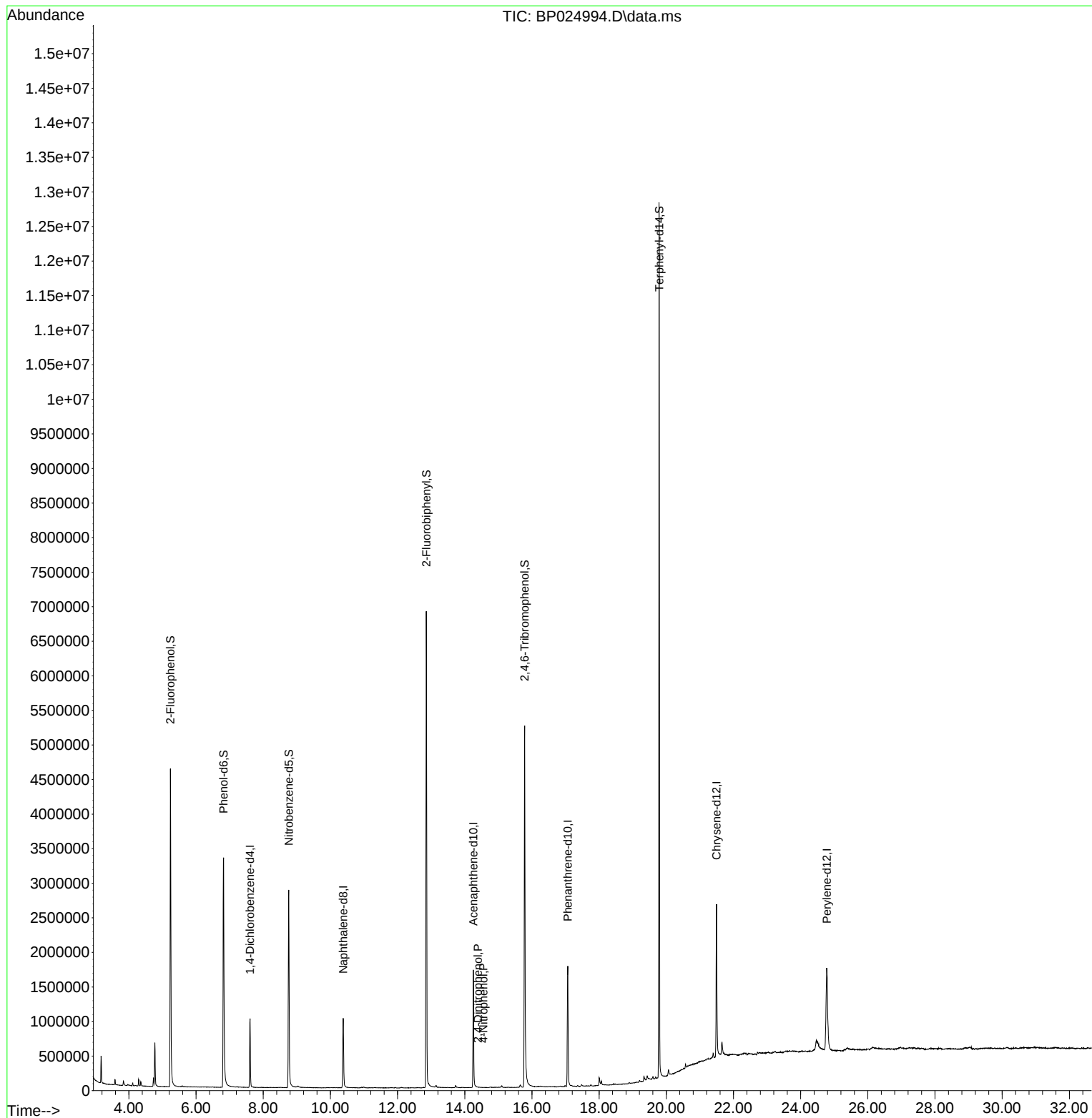
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	270785	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1017030	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	617091	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1207385	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1348493	20.000	ng	0.01
86) Perylene-d12	24.777	264	1506891	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	2240464	138.109	ng	0.00
7) Phenol-d6	6.819	99	2525504	117.663	ng	0.00
23) Nitrobenzene-d5	8.760	82	1871680	89.428	ng	0.00
42) 2,4,6-Tribromophenol	15.783	330	1231507	144.346	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	3831352	83.639	ng	0.00
79) Terphenyl-d14	19.789	244	5997915	79.717	ng	0.00
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.389	184	24	5.567	ng	# 1
56) 4-Nitrophenol	14.554	139	116	5.422	ng	# 9

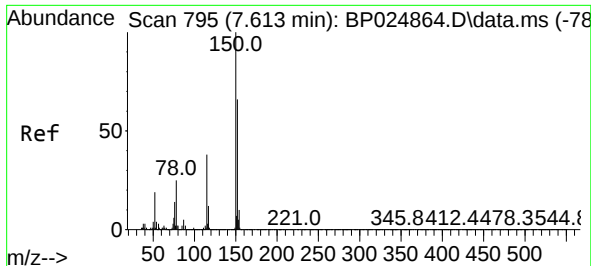
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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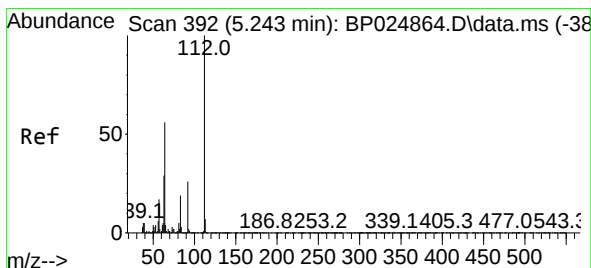
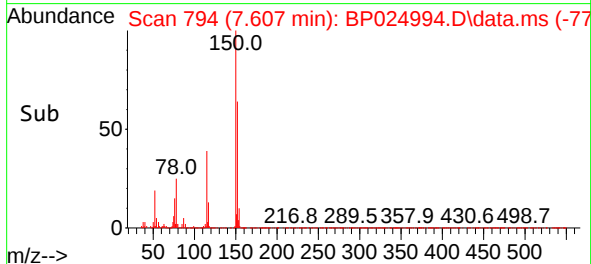
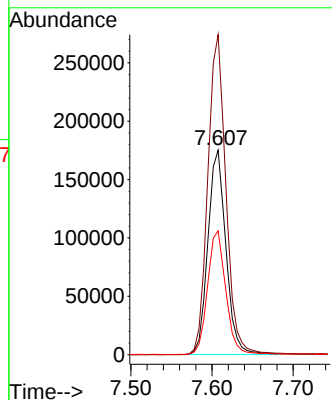
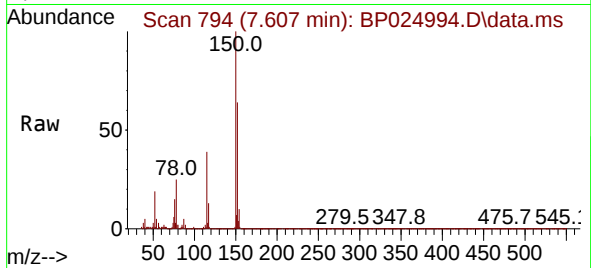




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 794
Delta R.T. -0.006 min
Lab File: BP024994.D
Acq: 18 Jun 2025 14:45

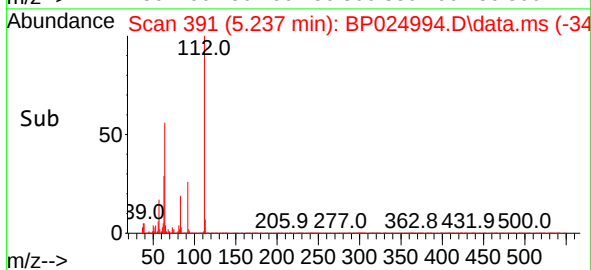
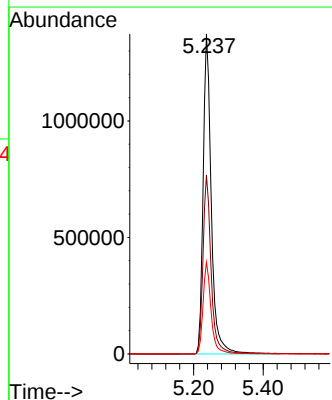
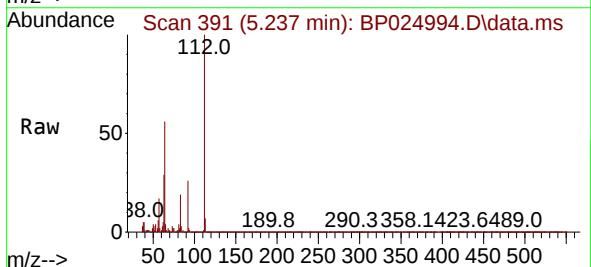
Instrument :
BNA_P
ClientSampleId :
MH-B

Tgt Ion:152 Resp: 270785
Ion Ratio Lower Upper
152 100
150 156.5 122.1 183.1
115 60.6 46.4 69.6



#5
2-Fluorophenol
Concen: 138.109 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024994.D
Acq: 18 Jun 2025 14:45

Tgt Ion:112 Resp: 2240464
Ion Ratio Lower Upper
112 100
64 56.0 44.7 67.1
63 28.6 23.5 35.3

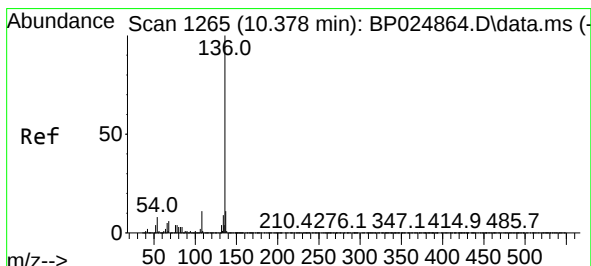
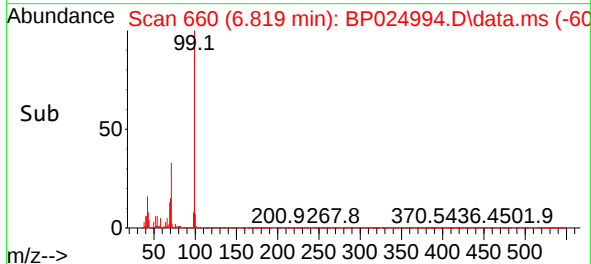
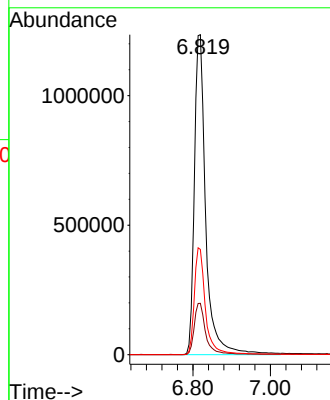
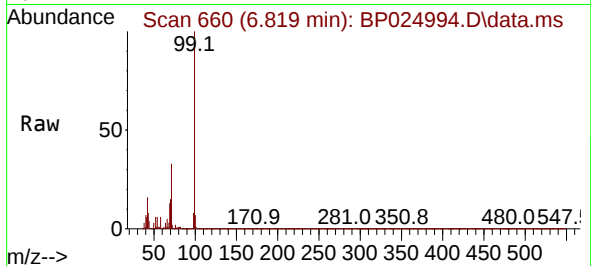




#7
Phenol-d6
Concen: 117.663 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024994.D
Acq: 18 Jun 2025 14:45

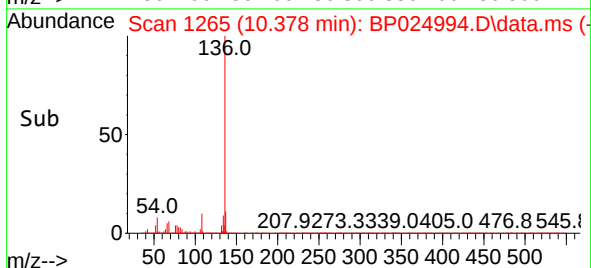
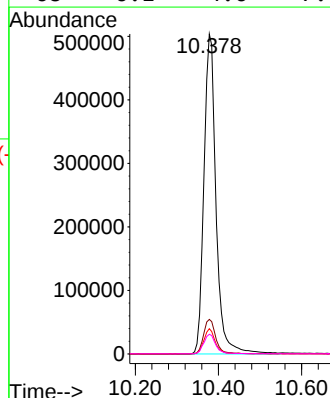
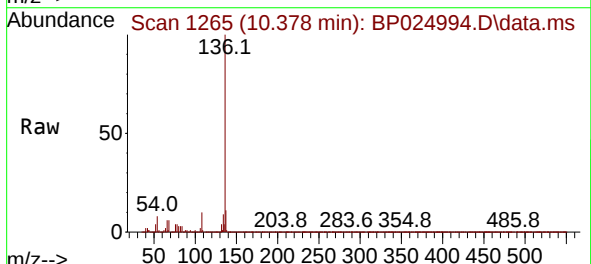
Instrument :
BNA_P
ClientSampleId :
MH-B

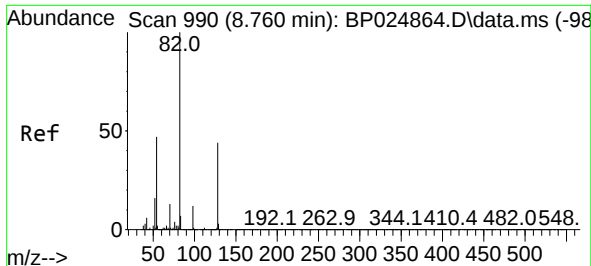
Tgt Ion: 99 Resp: 2525504
Ion Ratio Lower Upper
99 100
42 16.0 13.4 20.2
71 32.9 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024994.D
Acq: 18 Jun 2025 14:45

Tgt Ion: 136 Resp: 1017030
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.9 6.1 9.1
68 6.1 4.6 7.0

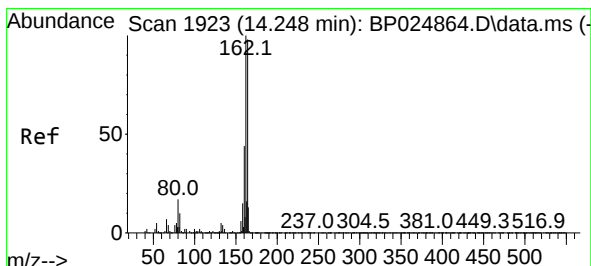
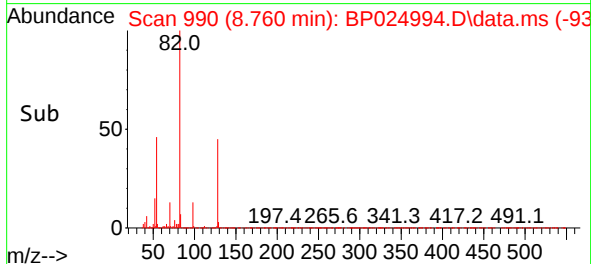
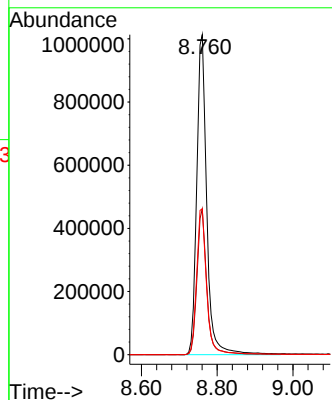
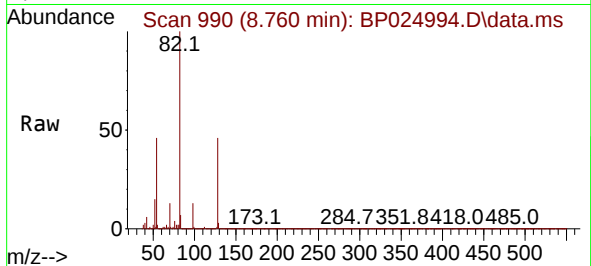




#23
Nitrobenzene-d5
Concen: 89.428 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024994.D
Acq: 18 Jun 2025 14:45

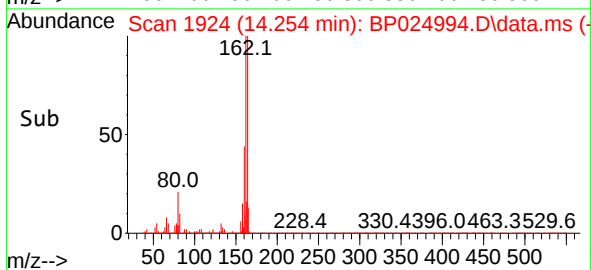
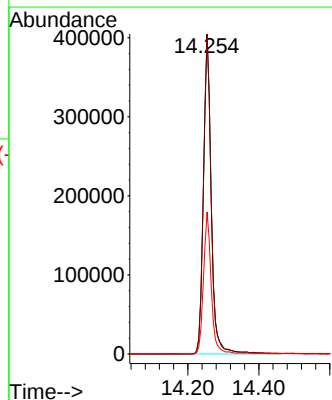
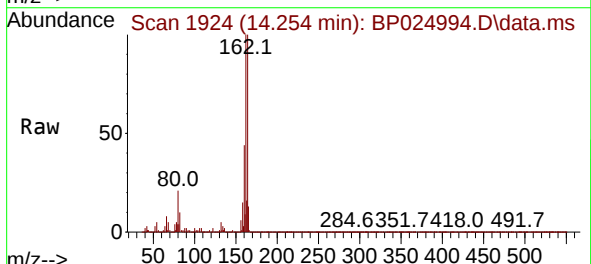
Instrument :
BNA_P
ClientSampleId :
MH-B

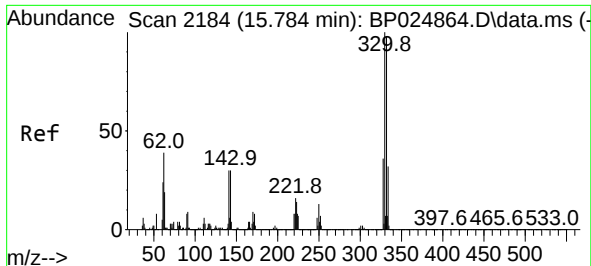
Tgt Ion: 82 Resp: 1871680
Ion Ratio Lower Upper
82 100
128 45.5 35.3 52.9
54 45.6 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024994.D
Acq: 18 Jun 2025 14:45

Tgt Ion:164 Resp: 617091
Ion Ratio Lower Upper
164 100
162 99.9 81.6 122.4
160 44.4 36.2 54.2

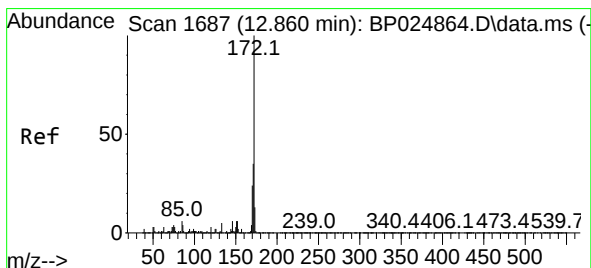
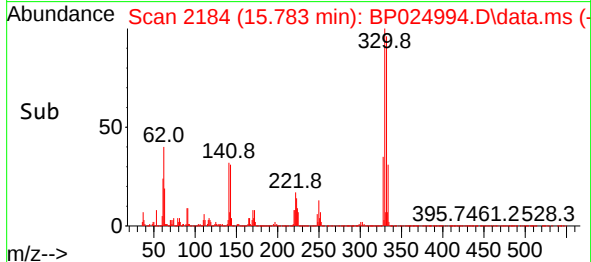
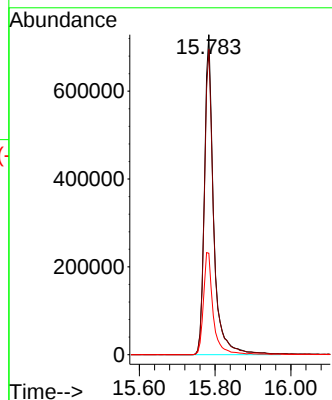
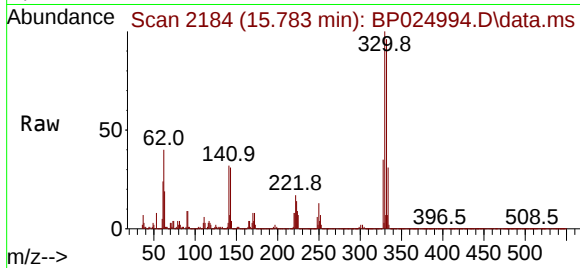




#42
2,4,6-Tribromophenol
Concen: 144.346 ng
RT: 15.783 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BP024994.D
Acq: 18 Jun 2025 14:45

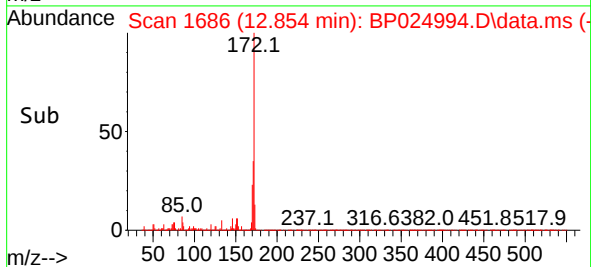
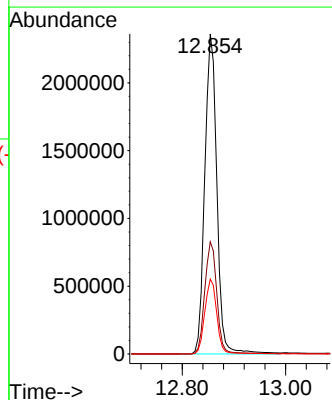
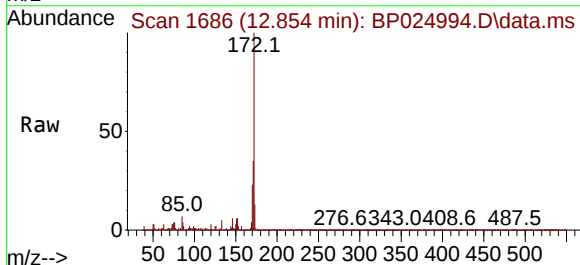
Instrument :
BNA_P
ClientSampleId :
MH-B

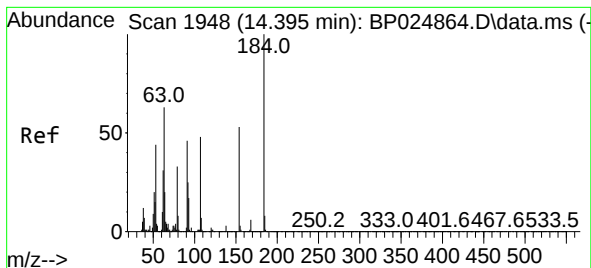
Tgt Ion:330 Resp: 1231507
Ion Ratio Lower Upper
330 100
332 96.7 77.7 116.5
141 33.2 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 83.639 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024994.D
Acq: 18 Jun 2025 14:45

Tgt Ion:172 Resp: 3831352
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.4 19.0 28.4





#54

2,4-Dinitrophenol

Concen: 5.567 ng

RT: 14.389 min Scan# 1948

Delta R.T. -0.006 min

Lab File: BP024994.D

Acq: 18 Jun 2025 14:45

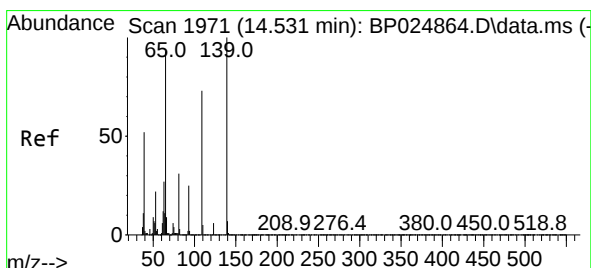
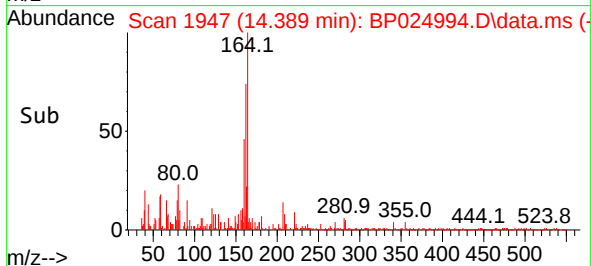
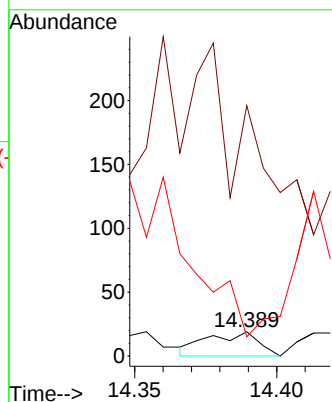
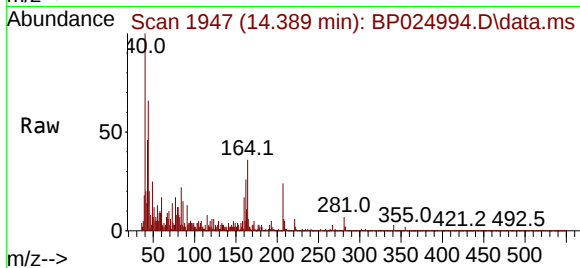
Instrument :

BNA_P

ClientSampleId :

MH-B

Tgt Ion:184	Resp:	24
Ion Ratio	Lower	Upper
184	100	
63	1031.6	51.0 76.4#
154	78.9	51.7 77.5#



#56

4-Nitrophenol

Concen: 5.422 ng

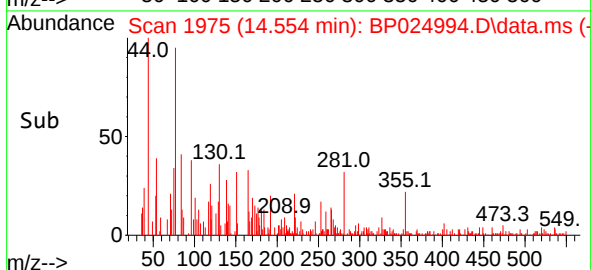
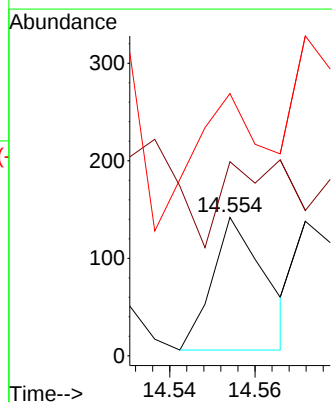
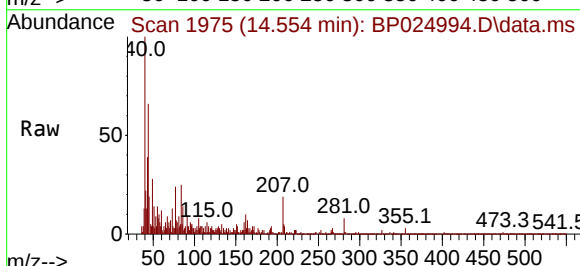
RT: 14.554 min Scan# 1975

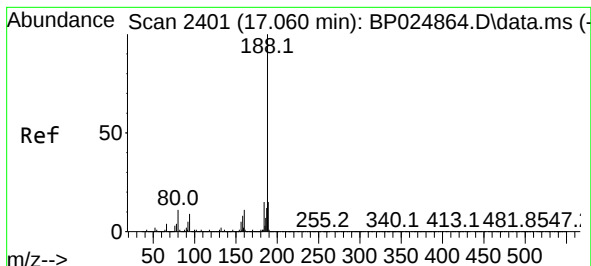
Delta R.T. 0.023 min

Lab File: BP024994.D

Acq: 18 Jun 2025 14:45

Tgt Ion:139	Resp:	116
Ion Ratio	Lower	Upper
139	100	
109	140.1	53.1 93.1#
65	189.4	73.0 113.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.066 min Scan# 2401

Delta R.T. 0.006 min

Lab File: BP024994.D

Acq: 18 Jun 2025 14:45

Instrument :

BNA_P

ClientSampleId :

MH-B

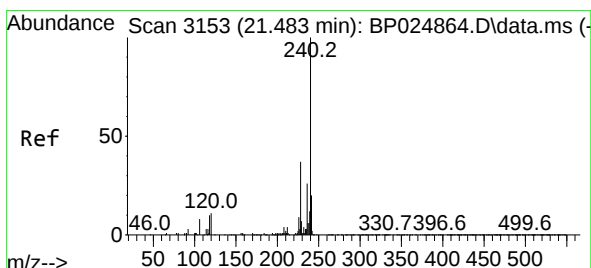
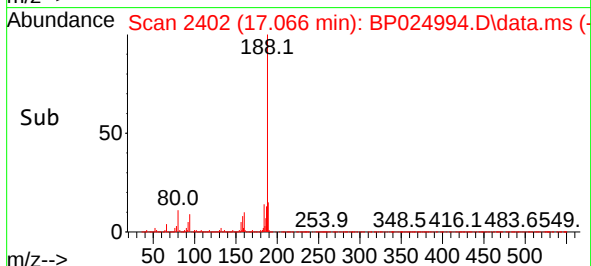
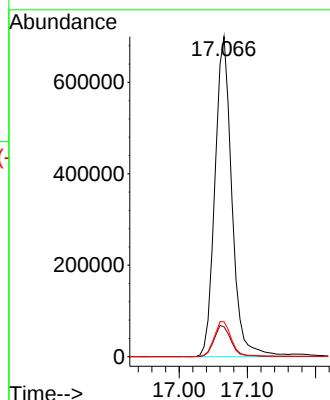
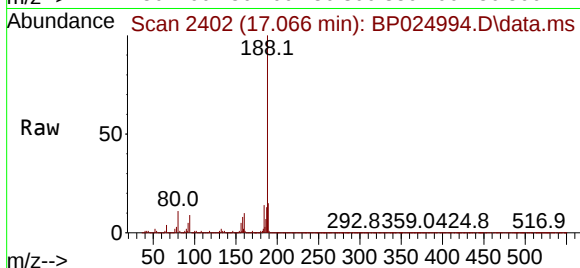
Tgt Ion:188 Resp: 1207385

Ion Ratio Lower Upper

188 100

94 9.3 7.3 10.9

80 10.9 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: BP024994.D

Acq: 18 Jun 2025 14:45

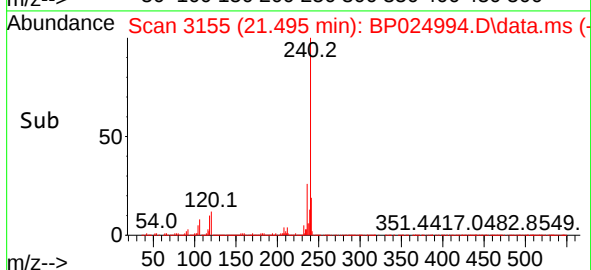
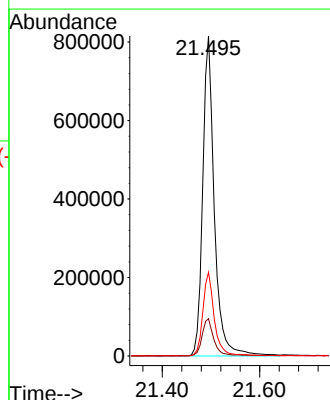
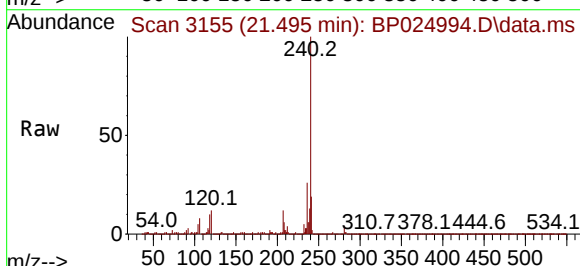
Tgt Ion:240 Resp: 1348493

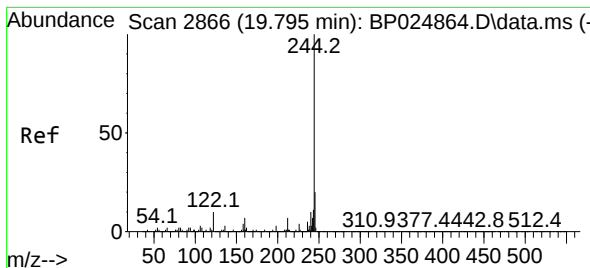
Ion Ratio Lower Upper

240 100

120 11.6 8.9 13.3

236 26.1 20.9 31.3





#79

Terphenyl-d14

Concen: 79.717 ng

RT: 19.789 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024994.D

Acq: 18 Jun 2025 14:45

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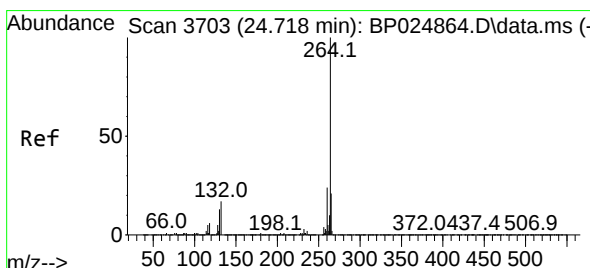
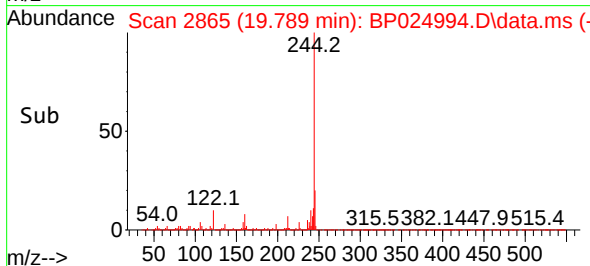
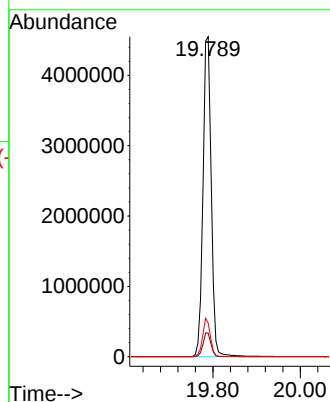
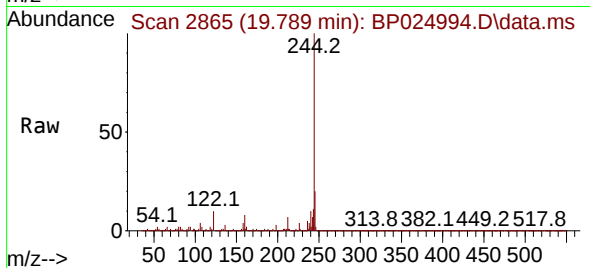
Tgt Ion:244 Resp: 5997915

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

122 10.5 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.777 min Scan# 3713

Delta R.T. 0.059 min

Lab File: BP024994.D

Acq: 18 Jun 2025 14:45

Tgt Ion:264 Resp: 1506891

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 22.2 17.4 26.0

