

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
 Data File : BP024982.D
 Acq On : 17 Jun 2025 19:29
 Operator : RC/JU
 Sample : Q2339-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-C

Quant Time: Jun 18 01:12:17 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)

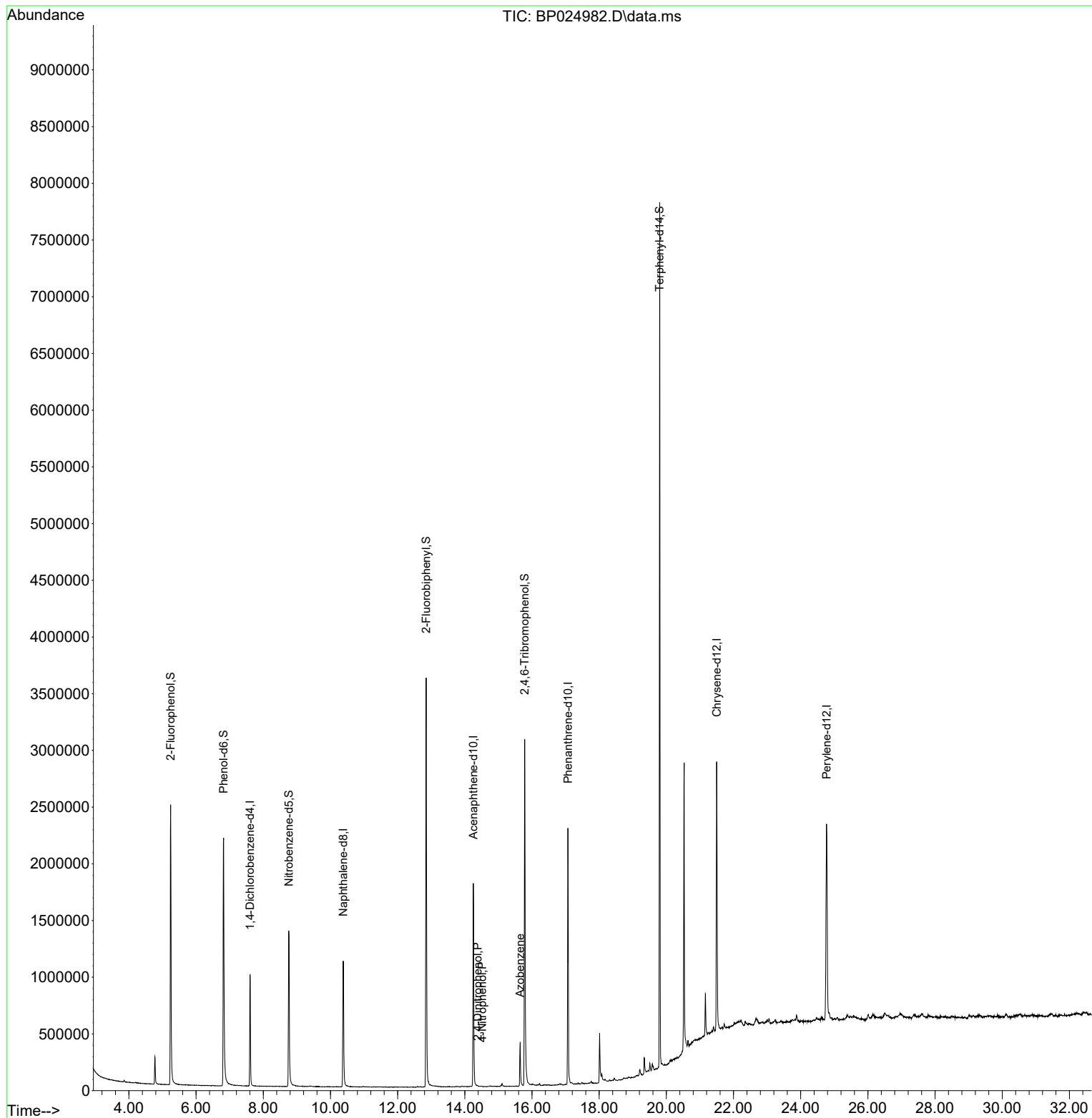
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	277311	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1109756	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	707288	20.000	ng	0.00
64) Phenanthrene-d10	17.071	188	1365606	20.000	ng	0.01
76) Chrysene-d12	21.501	240	1469301	20.000	ng	0.02
86) Perylene-d12	24.771	264	1678718	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1250182	75.251	ng	0.00
7) Phenol-d6	6.819	99	1639079	74.567	ng	0.00
23) Nitrobenzene-d5	8.760	82	979128	42.873	ng	0.00
42) 2,4,6-Tribromophenol	15.783	330	726266	74.271	ng	0.00
45) 2-Fluorobiphenyl	12.848	172	1976593	37.647	ng	-0.01
79) Terphenyl-d14	19.801	244	3283147	40.048	ng	0.00
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.383	184	41	5.569	ng	# 21
56) 4-Nitrophenol	14.519	139	62	5.415	ng	# 20
63) Azobenzene	15.648	77	129751	2.721	ng	# 1

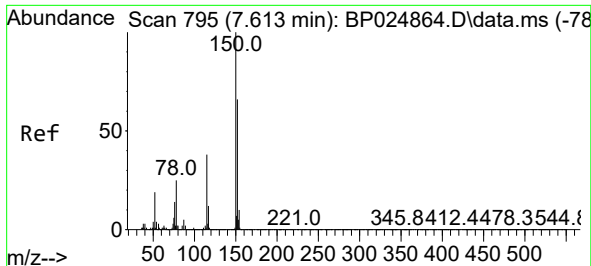
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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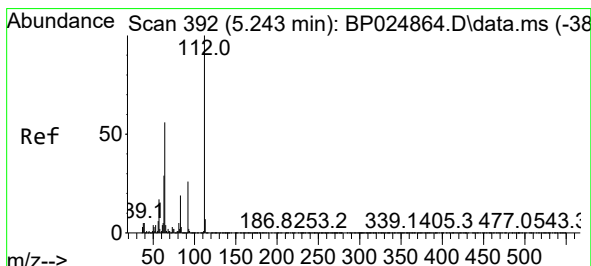
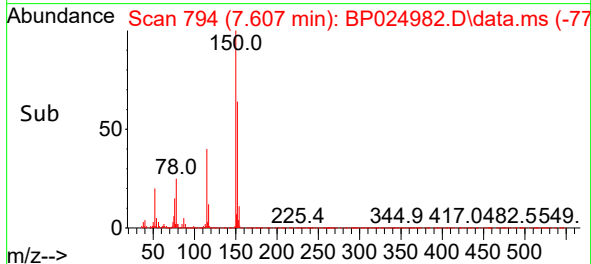
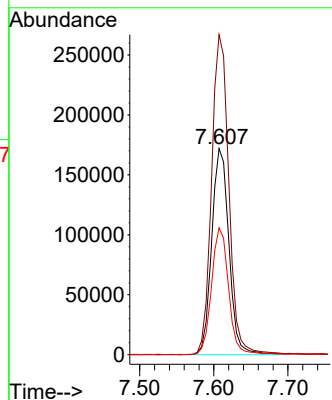
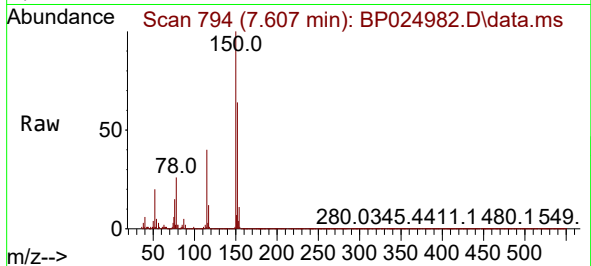




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024982.D
Acq: 17 Jun 2025 19:29

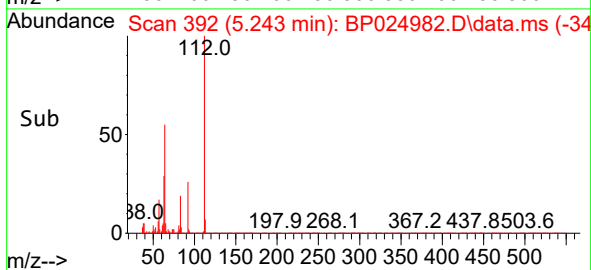
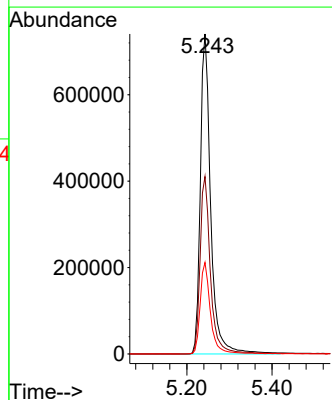
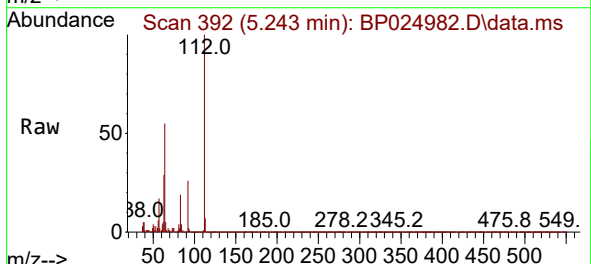
Instrument :
BNA_P
ClientSampleId :
MH-C

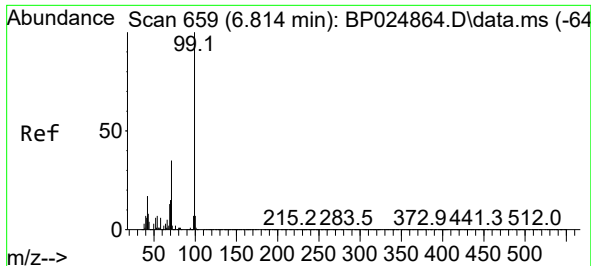
Tgt Ion:152 Resp: 277311
Ion Ratio Lower Upper
152 100
150 155.2 122.1 183.1
115 61.5 46.4 69.6



#5
2-Fluorophenol
Concen: 75.251 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024982.D
Acq: 17 Jun 2025 19:29

Tgt Ion:112 Resp: 1250182
Ion Ratio Lower Upper
112 100
64 55.5 44.7 67.1
63 28.6 23.5 35.3

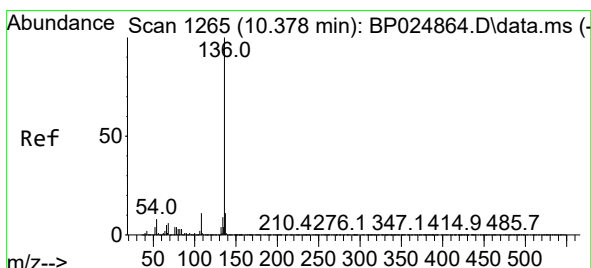
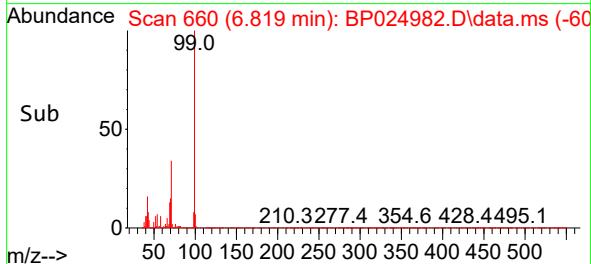
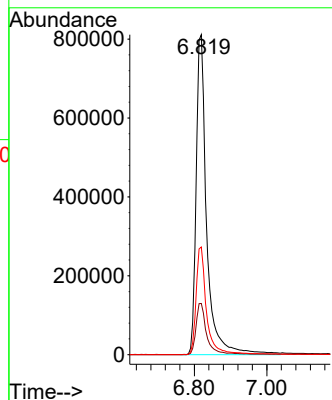
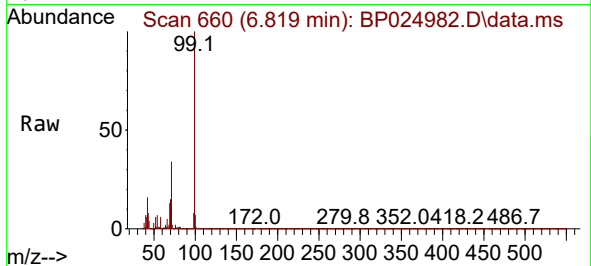




#7
Phenol-d6
Concen: 74.567 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.005 min
Lab File: BP024982.D
Acq: 17 Jun 2025 19:29

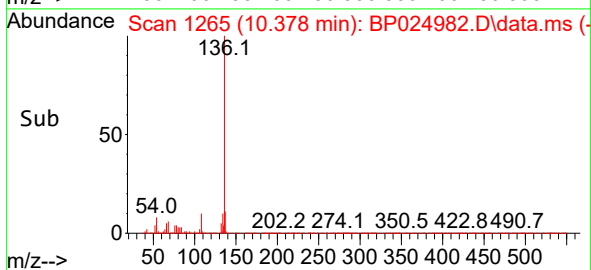
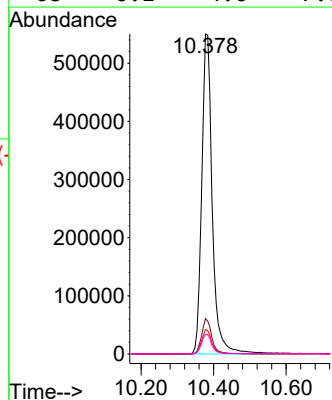
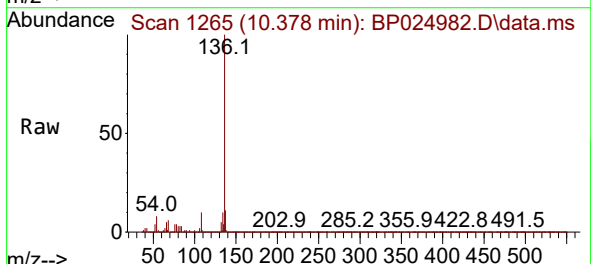
Instrument :
BNA_P
ClientSampleId :
MH-C

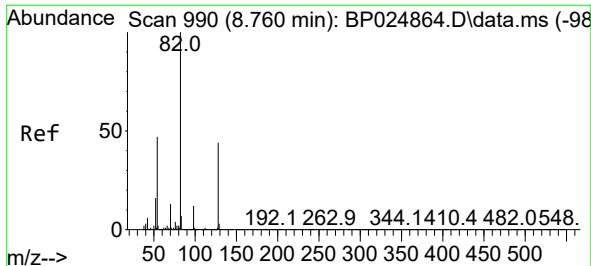
Tgt Ion: 99 Resp: 1639079
Ion Ratio Lower Upper
99 100
42 16.0 13.4 20.2
71 33.6 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024982.D
Acq: 17 Jun 2025 19:29

Tgt Ion:136 Resp: 1109756
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.6 6.1 9.1
68 6.1 4.6 7.0

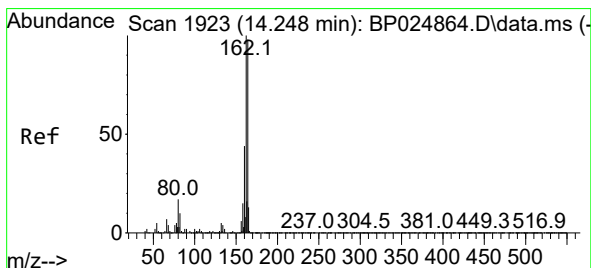
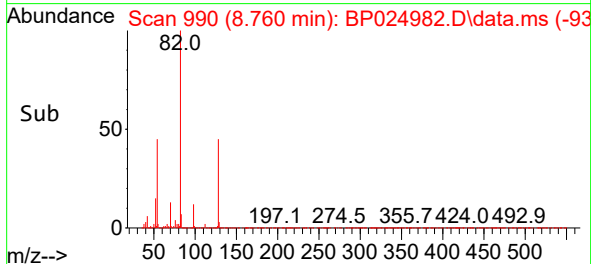
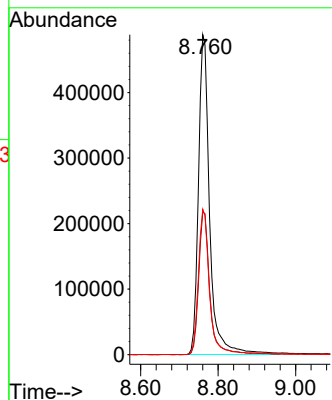
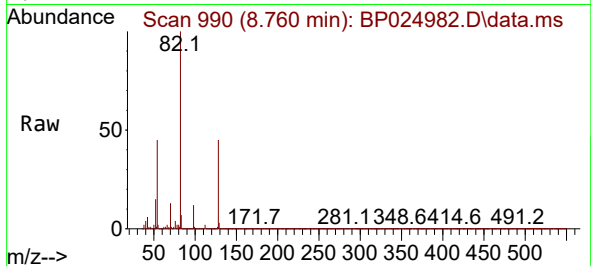




#23
Nitrobenzene-d5
Concen: 42.873 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024982.D
Acq: 17 Jun 2025 19:29

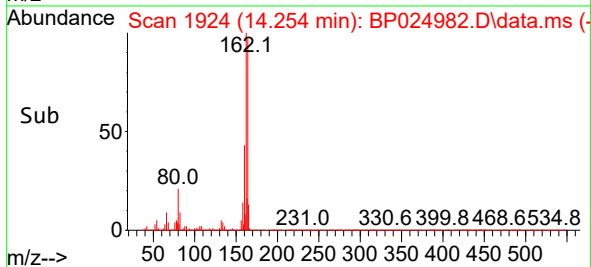
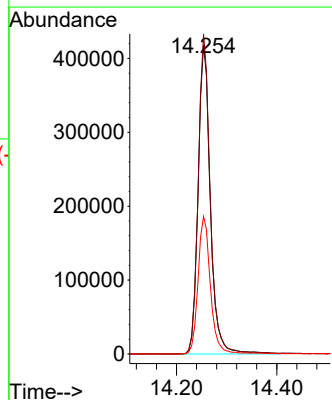
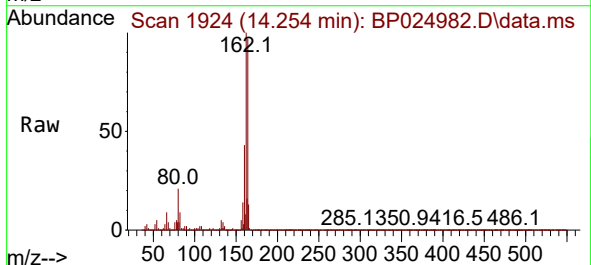
Instrument :
BNA_P
ClientSampleId :
MH-C

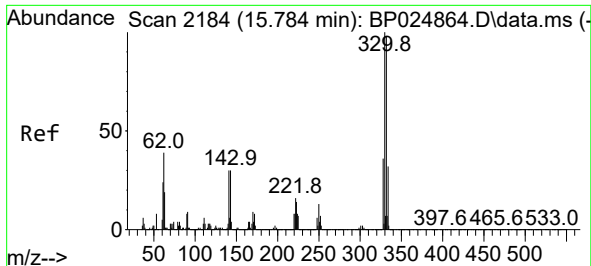
Tgt Ion: 82 Resp: 979128
Ion Ratio Lower Upper
82 100
128 44.6 35.3 52.9
54 45.5 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.005 min
Lab File: BP024982.D
Acq: 17 Jun 2025 19:29

Tgt Ion:164 Resp: 707288
Ion Ratio Lower Upper
164 100
162 103.5 81.6 122.4
160 44.5 36.2 54.2

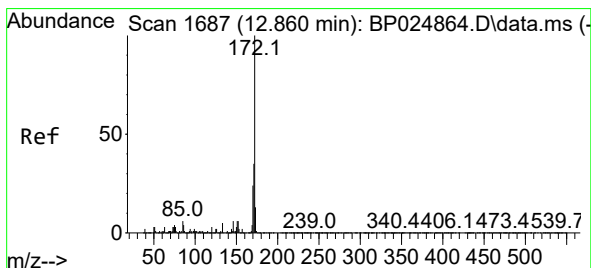
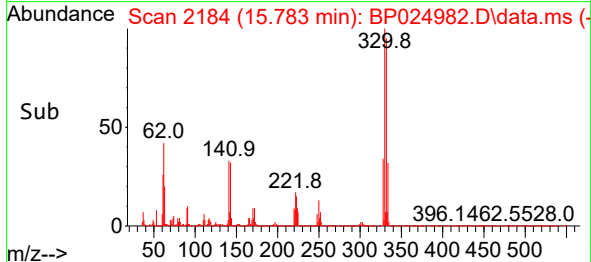
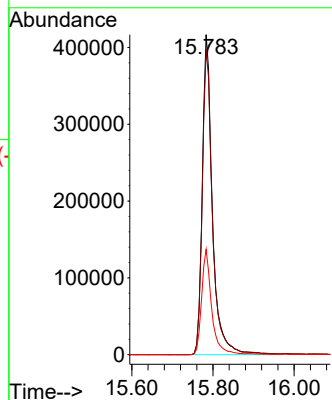
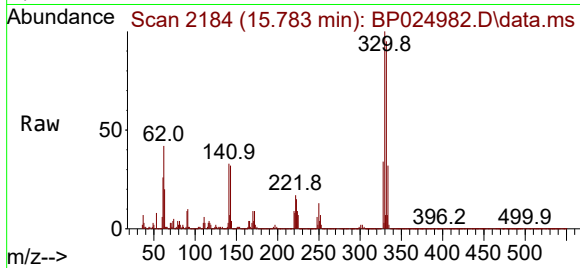




#42
2,4,6-Tribromophenol
Concen: 74.271 ng
RT: 15.783 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BP024982.D
Acq: 17 Jun 2025 19:29

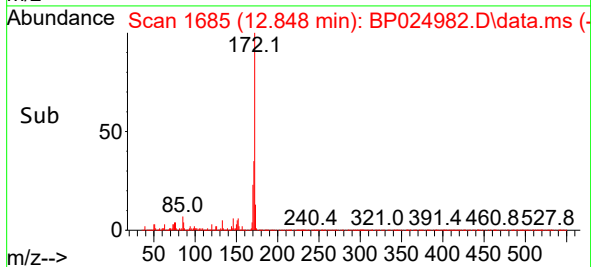
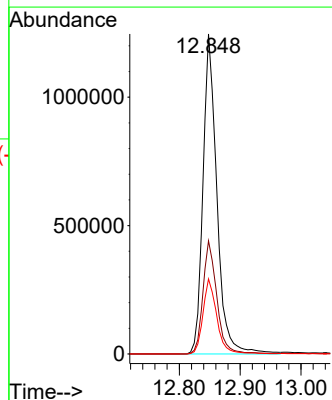
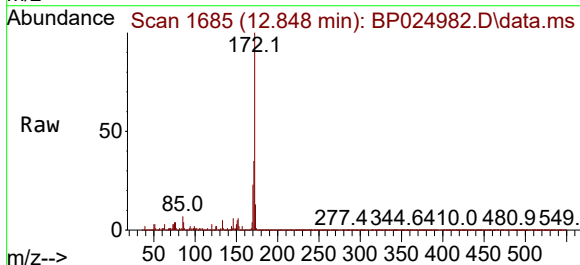
Instrument :
BNA_P
ClientSampleId :
MH-C

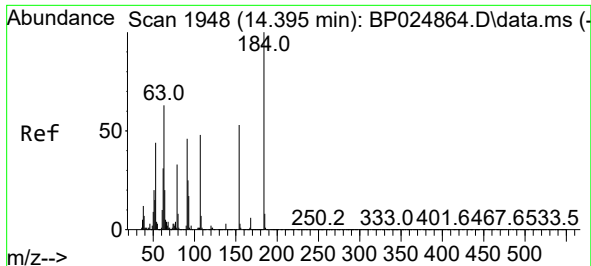
Tgt Ion:330 Resp: 726266
Ion Ratio Lower Upper
330 100
332 96.4 77.7 116.5
141 32.4 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 37.647 ng
RT: 12.848 min Scan# 1685
Delta R.T. -0.012 min
Lab File: BP024982.D
Acq: 17 Jun 2025 19:29

Tgt Ion:172 Resp: 1976593
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.5 19.0 28.4

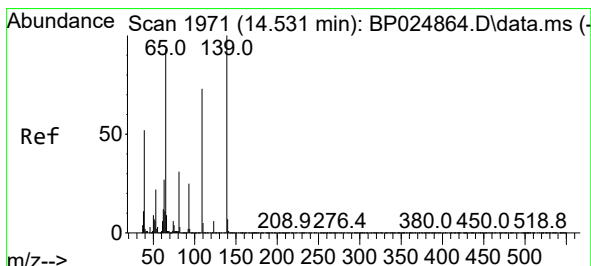
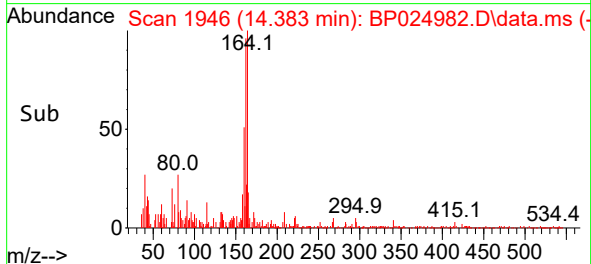
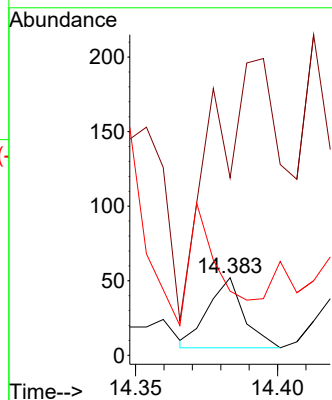
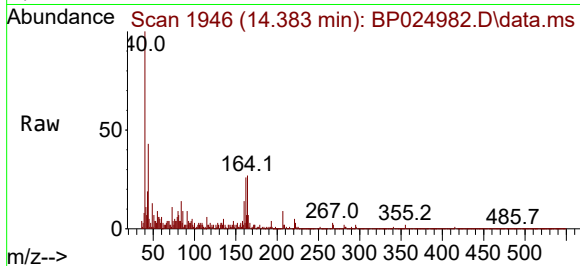




#54
2,4-Dinitrophenol
Concen: 5.569 ng
RT: 14.383 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP024982.D
Acq: 17 Jun 2025 19:29

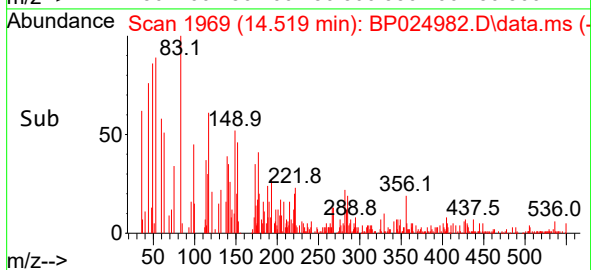
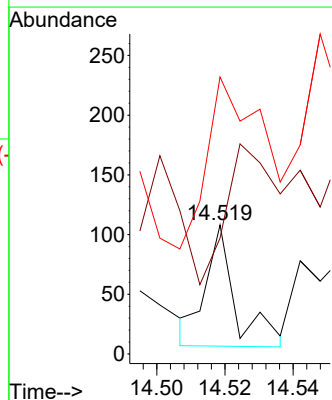
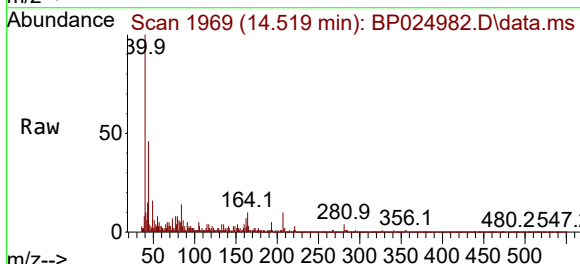
Instrument :
BNA_P
ClientSampleId :
MH-C

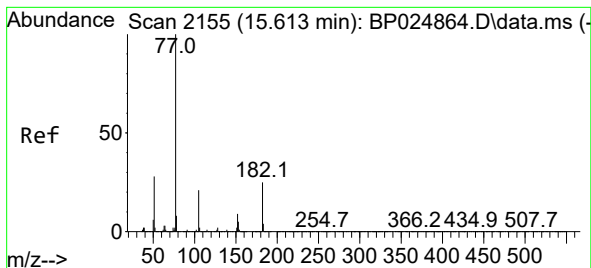
Tgt Ion:184 Resp: 41
Ion Ratio Lower Upper
184 100
63 185.9 51.0 76.4#
154 67.2 51.7 77.5



#56
4-Nitrophenol
Concen: 5.415 ng
RT: 14.519 min Scan# 1969
Delta R.T. -0.012 min
Lab File: BP024982.D
Acq: 17 Jun 2025 19:29

Tgt Ion:139 Resp: 62
Ion Ratio Lower Upper
139 100
109 89.8 53.1 93.1
65 214.8 73.0 113.0#





#63

Azobenzene

Concen: 2.721 ng

RT: 15.648 min Scan# 2155

Delta R.T. 0.035 min

Lab File: BP024982.D

Acq: 17 Jun 2025 19:29

Instrument :

BNA_P

ClientSampleId :

MH-C

Tgt Ion: 77 Resp: 129751

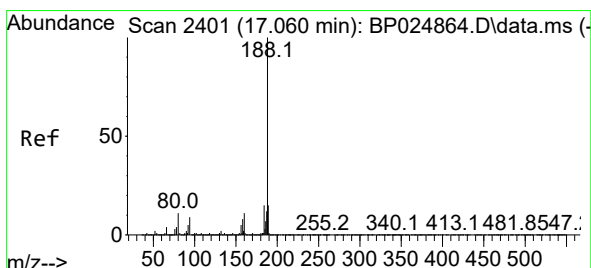
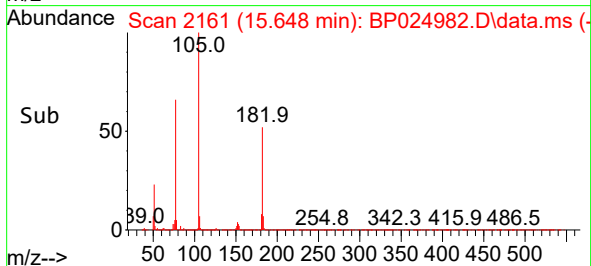
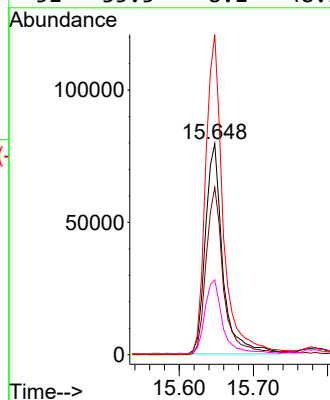
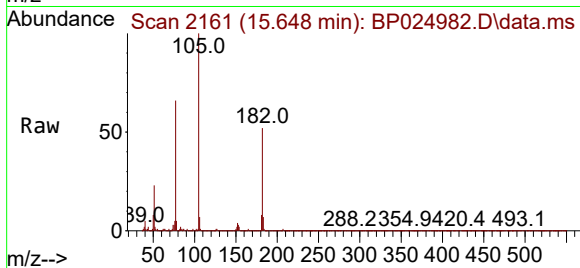
Ion Ratio Lower Upper

77 100

182 79.3 5.4 45.4#

105 151.7 0.8 40.8#

51 35.5 8.1 48.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.071 min Scan# 2403

Delta R.T. 0.011 min

Lab File: BP024982.D

Acq: 17 Jun 2025 19:29

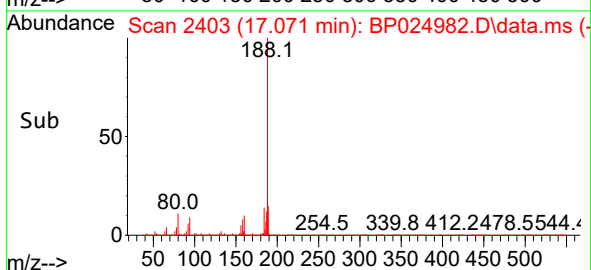
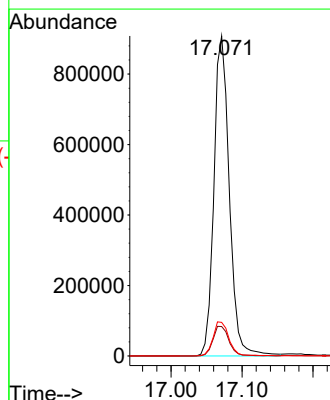
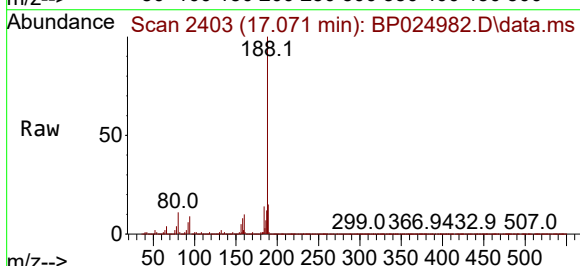
Tgt Ion:188 Resp: 1365606

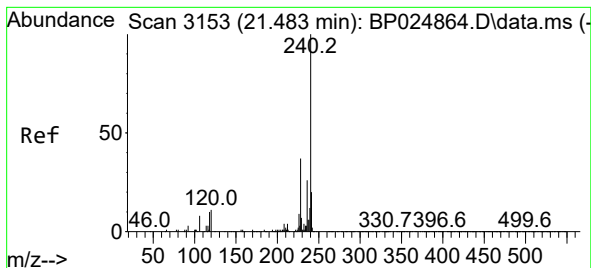
Ion Ratio Lower Upper

188 100

94 9.2 7.3 10.9

80 10.5 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: BP024982.D

Acq: 17 Jun 2025 19:29

Instrument :

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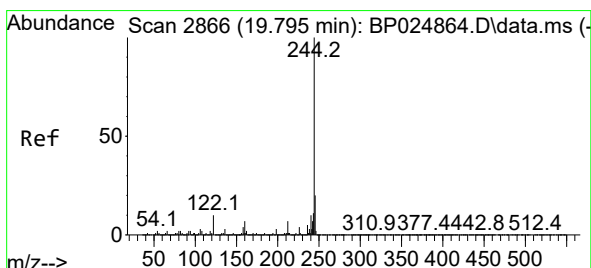
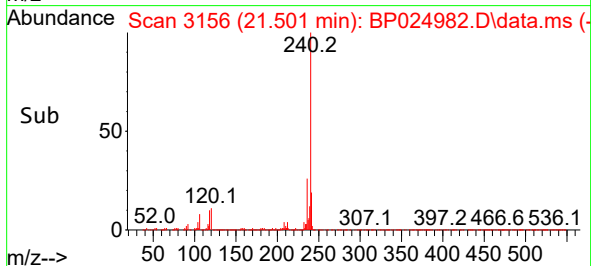
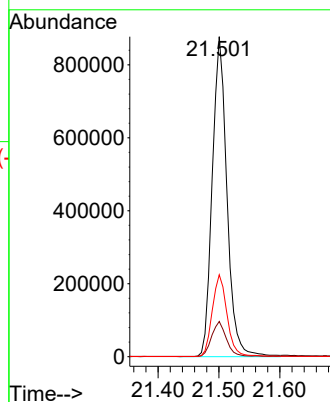
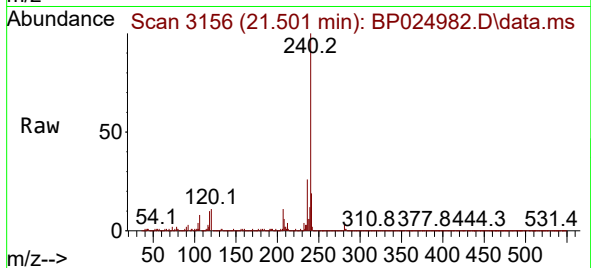
Tgt Ion:240 Resp: 1469301

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

236 25.6 20.9 31.3



#79

Terphenyl-d14

Concen: 40.048 ng

RT: 19.801 min Scan# 2867

Delta R.T. 0.005 min

Lab File: BP024982.D

Acq: 17 Jun 2025 19:29

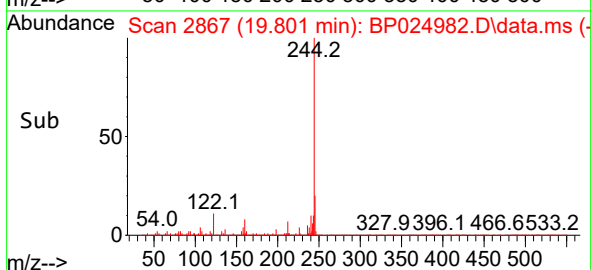
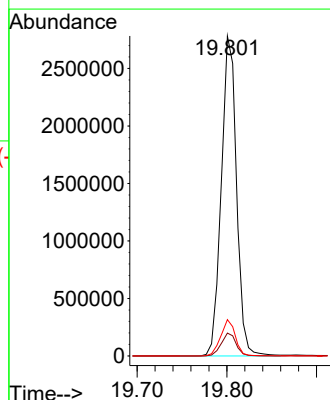
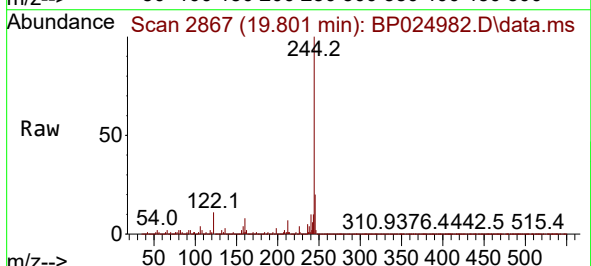
Tgt Ion:244 Resp: 3283147

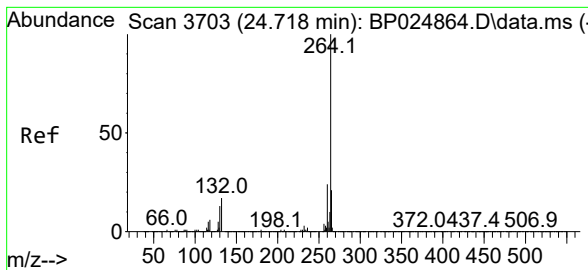
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

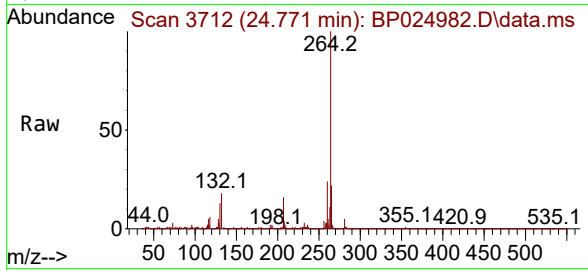
122 11.3 7.7 11.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.771 min Scan# 31
Delta R.T. 0.052 min
Lab File: BP024982.D
Acq: 17 Jun 2025 19:29

Instrument :
BNA_P
ClientSampleId :
MH-C



Tgt Ion:264 Resp: 1678718
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 22.4 17.4 26.0

