

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050625\
 Data File : BP024543.D
 Acq On : 06 May 2025 12:23
 Operator : RC/JU
 Sample : Q1937-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LARGE-PILE-A

Quant Time: May 06 13:44:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

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

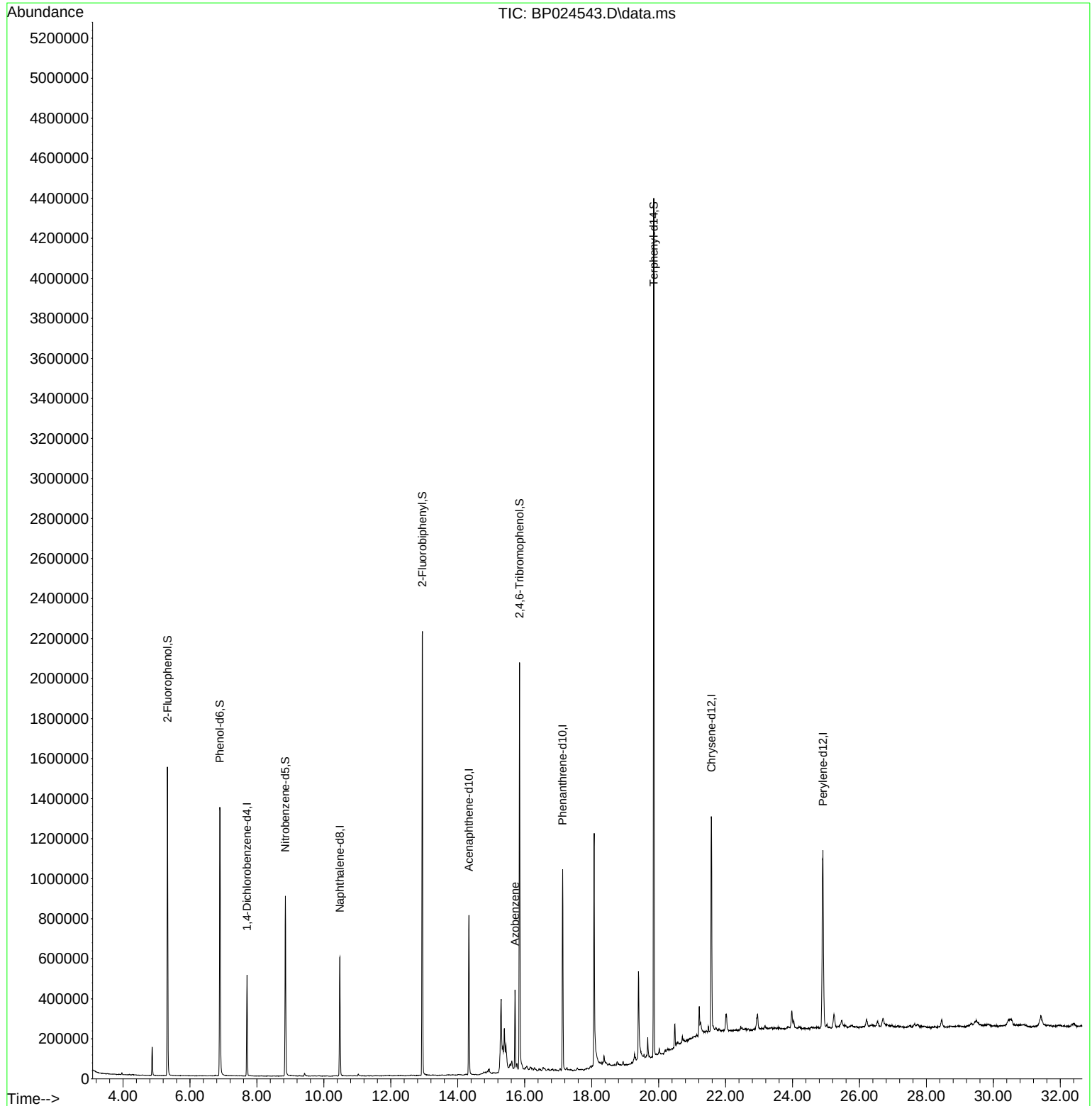
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	131605	20.000	ng	-0.02
21) Naphthalene-d8	10.481	136	510905	20.000	ng	#-0.02
39) Acenaphthene-d10	14.334	164	306724	20.000	ng	-0.02
64) Phenanthrene-d10	17.133	188	616215	20.000	ng	-0.01
76) Chrysene-d12	21.574	240	728903	20.000	ng	-0.02
86) Perylene-d12	24.910	264	927676	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	661389	83.095	ng	-0.02
7) Phenol-d6	6.893	99	834034	76.526	ng	-0.02
23) Nitrobenzene-d5	8.852	82	509341	56.847	ng	-0.02
42) 2,4,6-Tribromophenol	15.845	330	428660	101.011	ng	-0.02
45) 2-Fluorobiphenyl	12.945	172	1173889	58.598	ng	-0.02
79) Terphenyl-d14	19.857	244	2043493	56.509	ng	-0.02
Target Compounds						
63) Azobenzene	15.710	77	108593	5.140	ng	Qvalue # 1

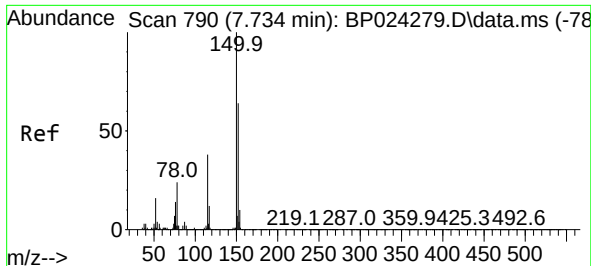
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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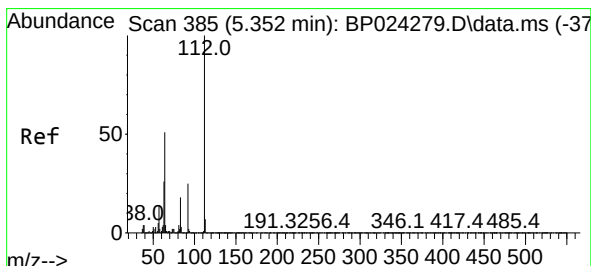
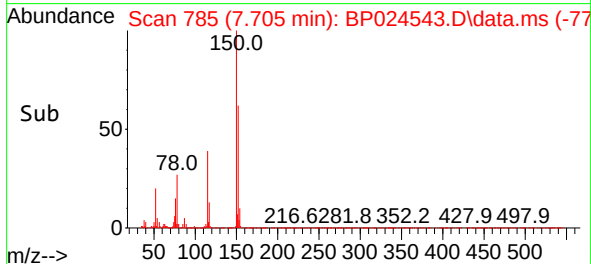
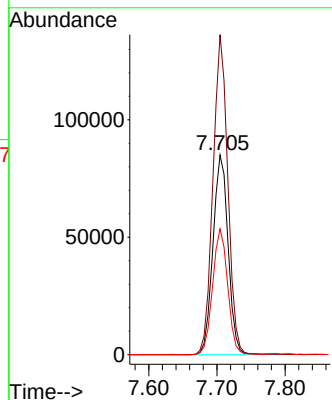
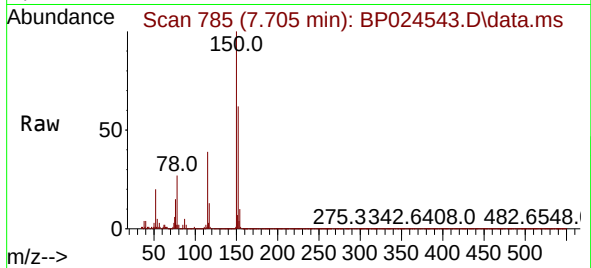




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.705 min Scan# 71
Delta R.T. -0.017 min
Lab File: BP024543.D
Acq: 06 May 2025 12:23

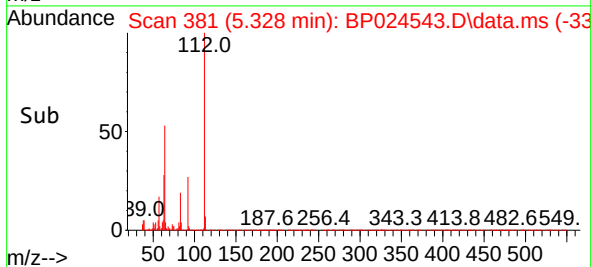
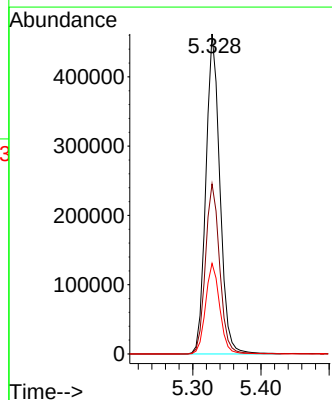
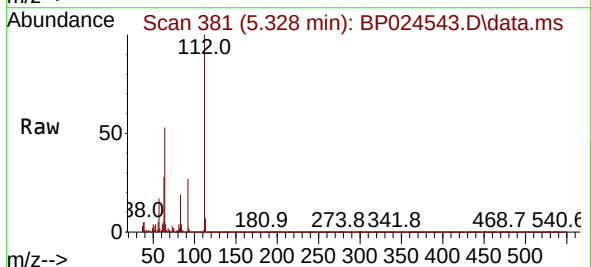
Instrument :
BNA_P
ClientSampleId :
LARGE-PILE-A

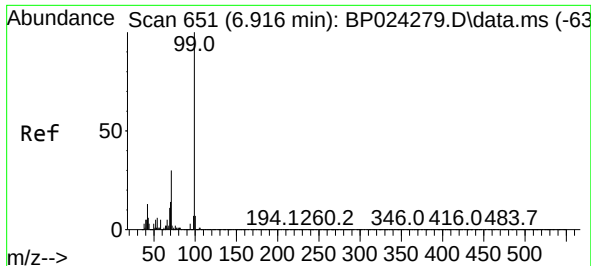
Tgt Ion:152 Resp: 131605
Ion Ratio Lower Upper
152 100
150 160.3 124.9 187.3
115 63.0 47.7 71.5



#5
2-Fluorophenol
Concen: 83.095 ng
RT: 5.328 min Scan# 381
Delta R.T. -0.018 min
Lab File: BP024543.D
Acq: 06 May 2025 12:23

Tgt Ion:112 Resp: 661389
Ion Ratio Lower Upper
112 100
64 53.2 41.1 61.7
63 28.3 20.6 30.8





#7

Phenol-d6

Concen: 76.526 ng

RT: 6.893 min Scan# 64

Delta R.T. -0.018 min

Lab File: BP024543.D

Acq: 06 May 2025 12:23

Instrument :

BNA_P

ClientSampleId :

LARGE-PILE-A

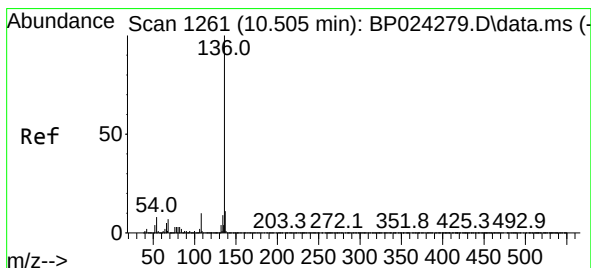
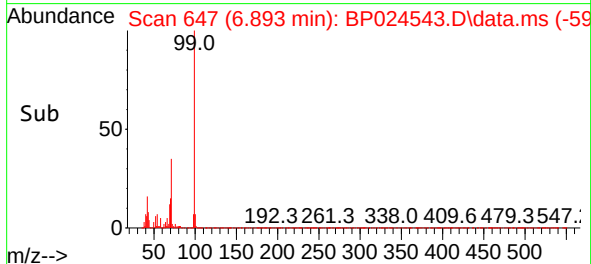
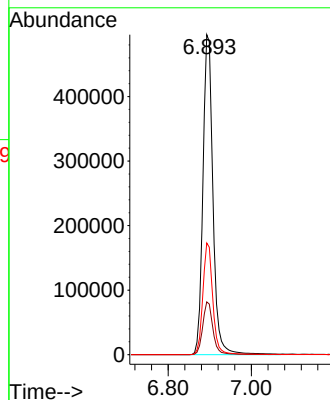
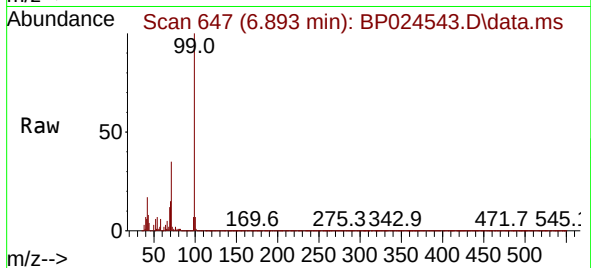
Tgt Ion: 99 Resp: 834034

Ion Ratio Lower Upper

99 100

42 16.5 10.6 16.0#

71 34.9 23.7 35.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.481 min Scan# 1257

Delta R.T. -0.018 min

Lab File: BP024543.D

Acq: 06 May 2025 12:23

Tgt Ion:136 Resp: 510905

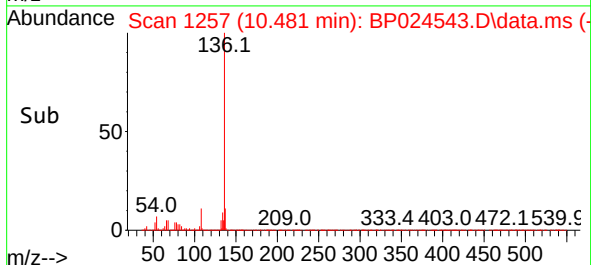
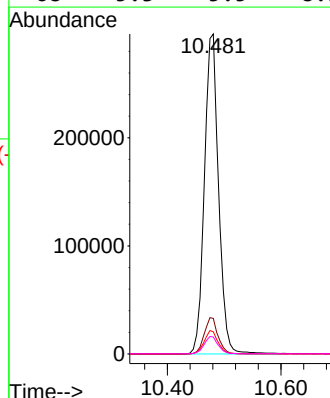
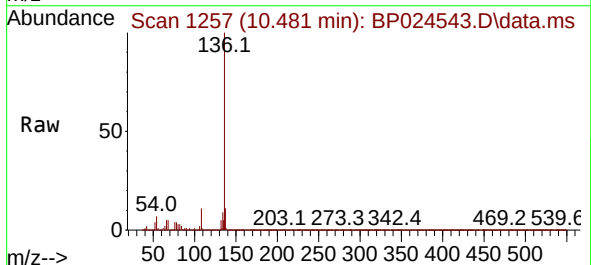
Ion Ratio Lower Upper

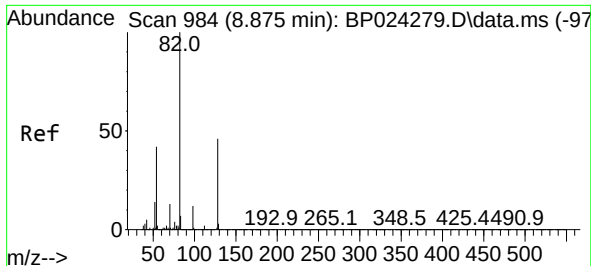
136 100

137 11.1 9.2 13.8

54 6.9 6.0 9.0

68 5.3 5.5 8.3#

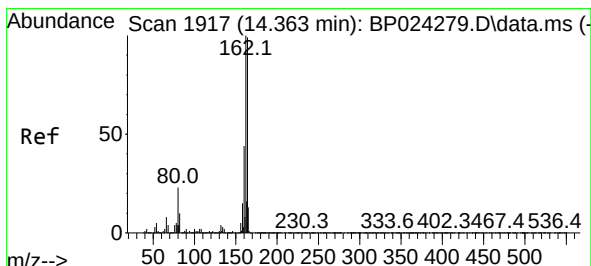
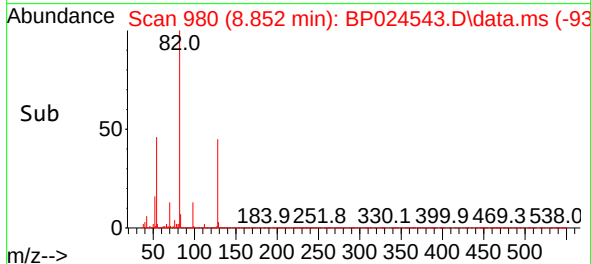
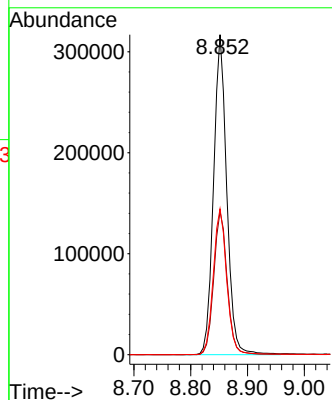
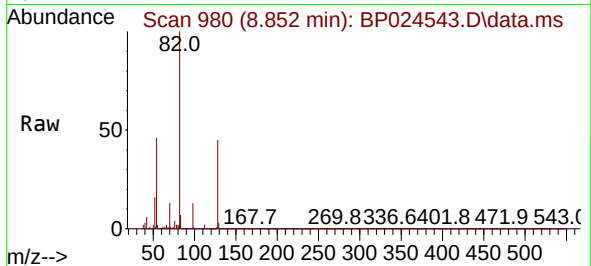




#23
Nitrobenzene-d5
Concen: 56.847 ng
RT: 8.852 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP024543.D
Acq: 06 May 2025 12:23

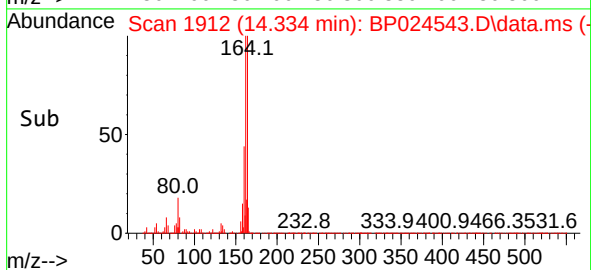
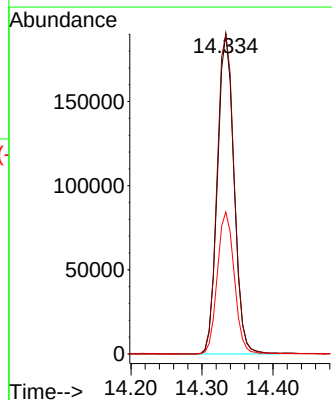
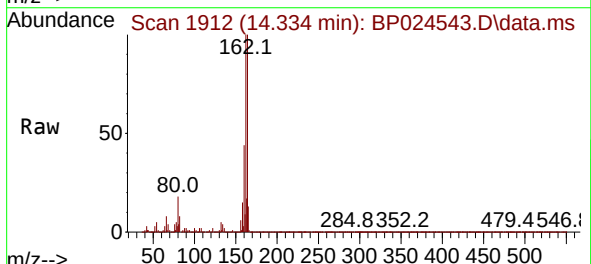
Instrument :
BNA_P
ClientSampleId :
LARGE-PILE-A

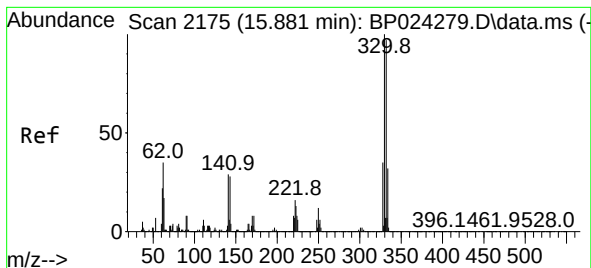
Tgt Ion: 82 Resp: 509341
Ion Ratio Lower Upper
82 100
128 44.8 36.5 54.7
54 45.6 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.334 min Scan# 1912
Delta R.T. -0.018 min
Lab File: BP024543.D
Acq: 06 May 2025 12:23

Tgt Ion:164 Resp: 306724
Ion Ratio Lower Upper
164 100
162 100.0 80.6 120.8
160 44.4 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 101.011 ng

RT: 15.845 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP024543.D

Acq: 06 May 2025 12:23

Instrument :

BNA_P

ClientSampleId :

LARGE-PILE-A

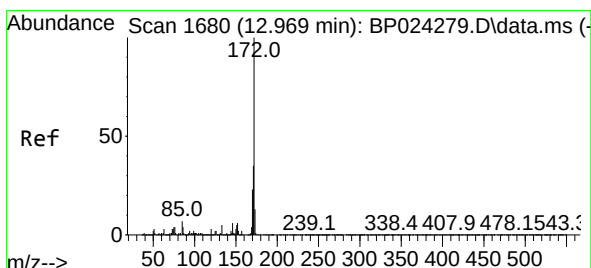
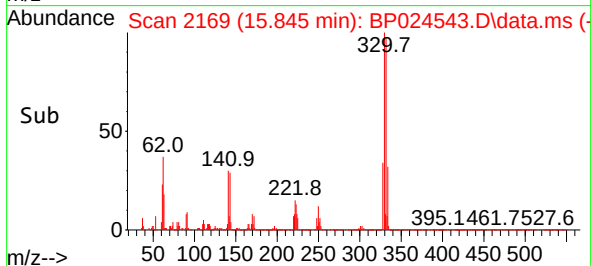
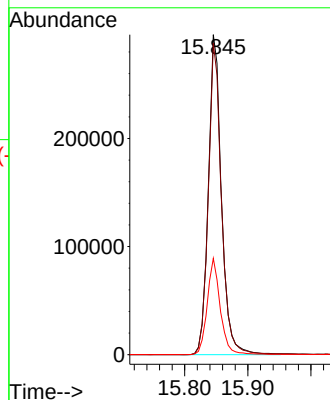
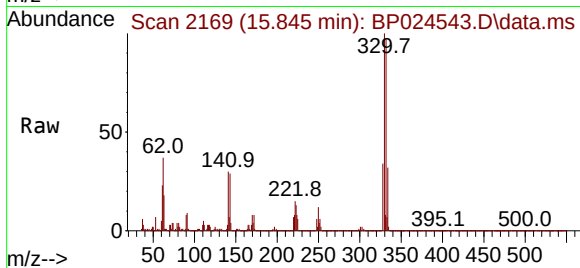
Tgt Ion:330 Resp: 428660

Ion Ratio Lower Upper

330 100

332 97.7 77.1 115.7

141 29.9 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 58.598 ng

RT: 12.945 min Scan# 1676

Delta R.T. -0.018 min

Lab File: BP024543.D

Acq: 06 May 2025 12:23

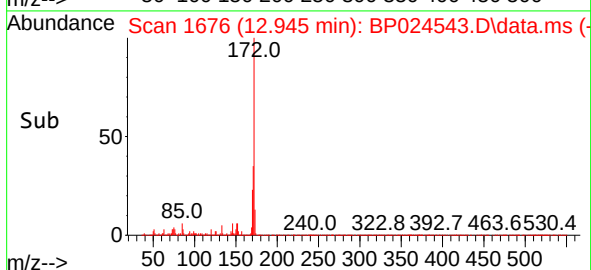
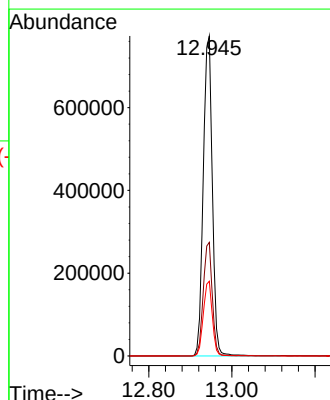
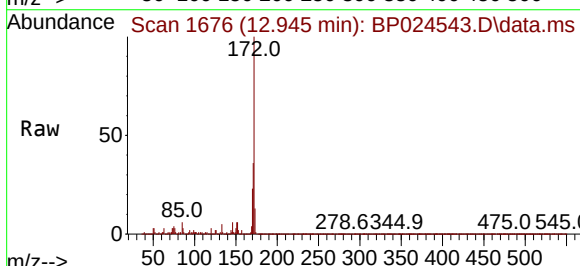
Tgt Ion:172 Resp: 1173889

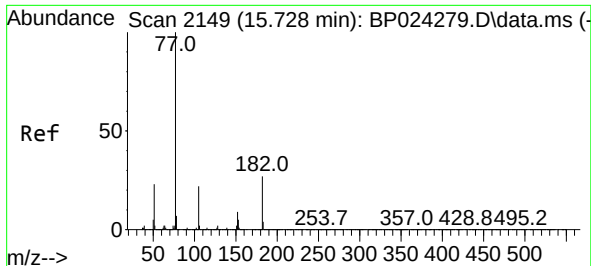
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.2

170 23.4 18.6 27.8

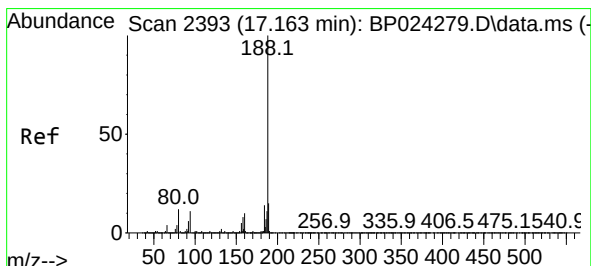
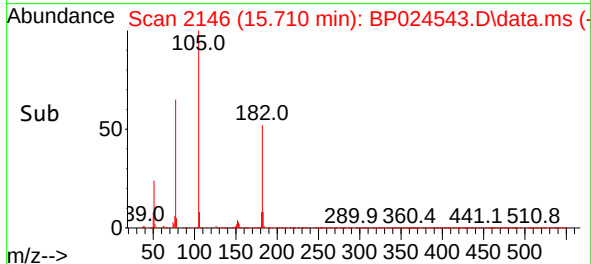
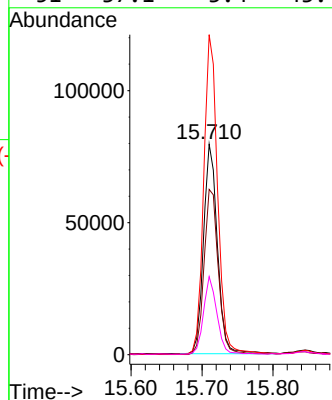
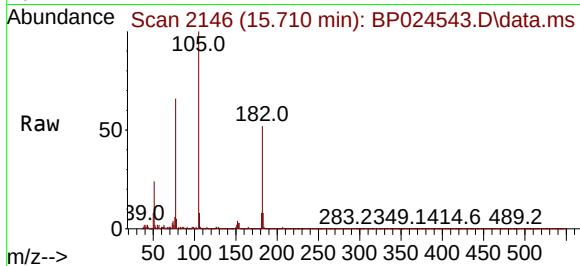




#63
Azobenzene
Concen: 5.140 ng
RT: 15.710 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BP024543.D
Acq: 06 May 2025 12:23

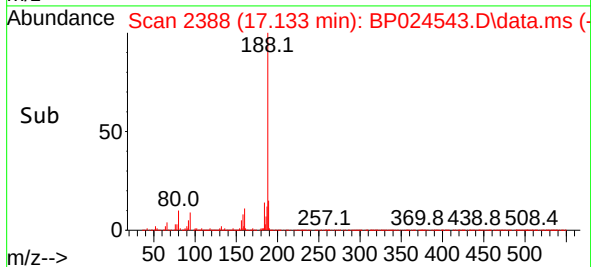
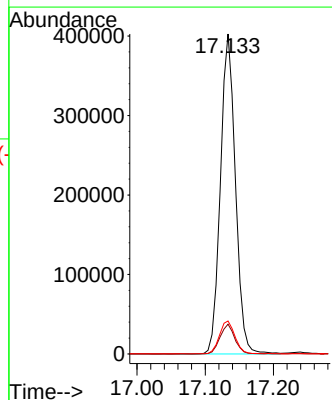
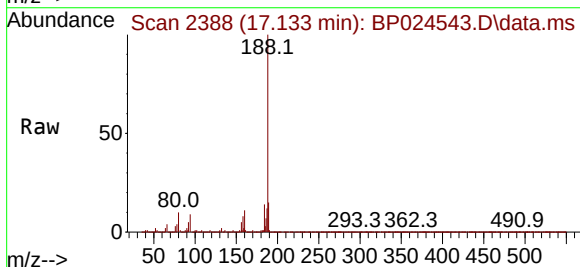
Instrument :
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LARGE-PILE-A

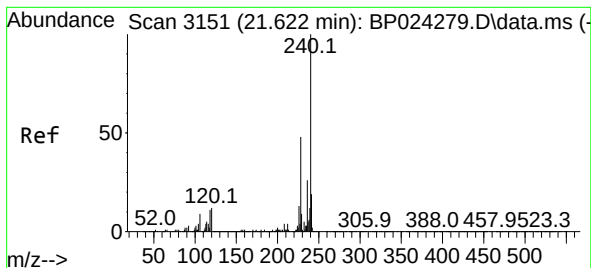
Tgt Ion: 77 Resp: 108593
Ion Ratio Lower Upper
77 100
182 78.5 7.3 47.3#
105 152.0 2.3 42.3#
51 37.1 3.4 43.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2388
Delta R.T. -0.012 min
Lab File: BP024543.D
Acq: 06 May 2025 12:23

Tgt Ion: 188 Resp: 616215
Ion Ratio Lower Upper
188 100
94 9.3 8.6 13.0
80 10.3 9.8 14.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP024543.D

Acq: 06 May 2025 12:23

Instrument :

BNA_P

ClientSampleId :

LARGE-PILE-A

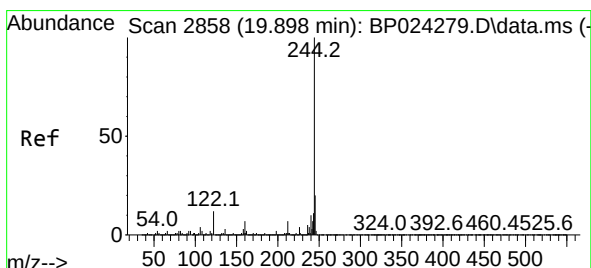
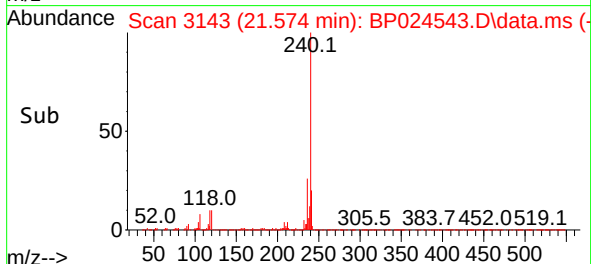
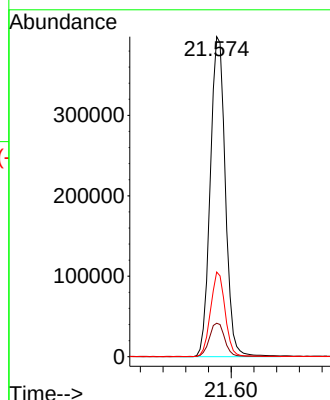
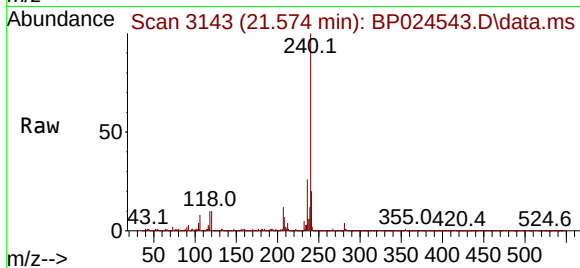
Tgt Ion:240 Resp: 728903

Ion Ratio Lower Upper

240 100

120 10.5 9.8 14.8

236 26.5 20.9 31.3



#79

Terphenyl-d14

Concen: 56.509 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.018 min

Lab File: BP024543.D

Acq: 06 May 2025 12:23

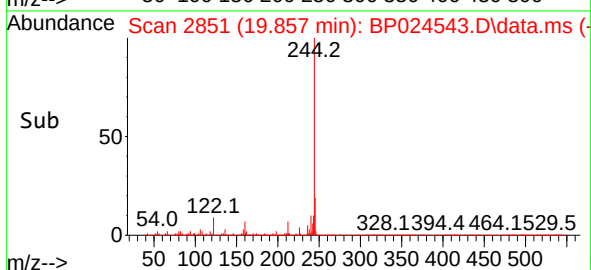
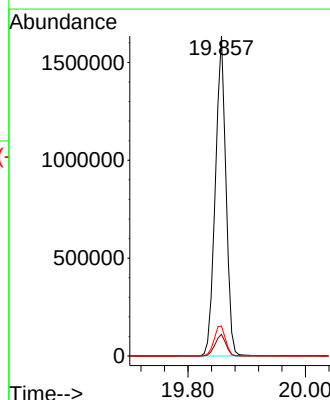
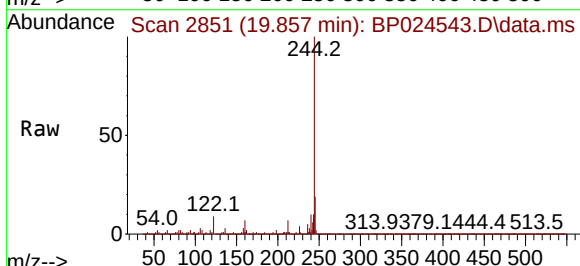
Tgt Ion:244 Resp: 2043493

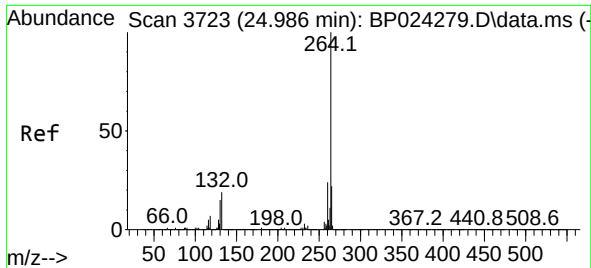
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 9.3 9.4 14.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.910 min Scan# 31
 Delta R.T. -0.024 min
 Lab File: BP024543.D
 Acq: 06 May 2025 12:23

Instrument :
 BNA_P
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Tgt Ion:264 Resp: 927676
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.9 28.3
 265 21.2 17.8 26.6

