

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050625\
 Data File : BP024547.D
 Acq On : 06 May 2025 15:05
 Operator : RC/JU
 Sample : Q1936-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SMALL-PILE-D

Quant Time: May 06 15:39:42 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)

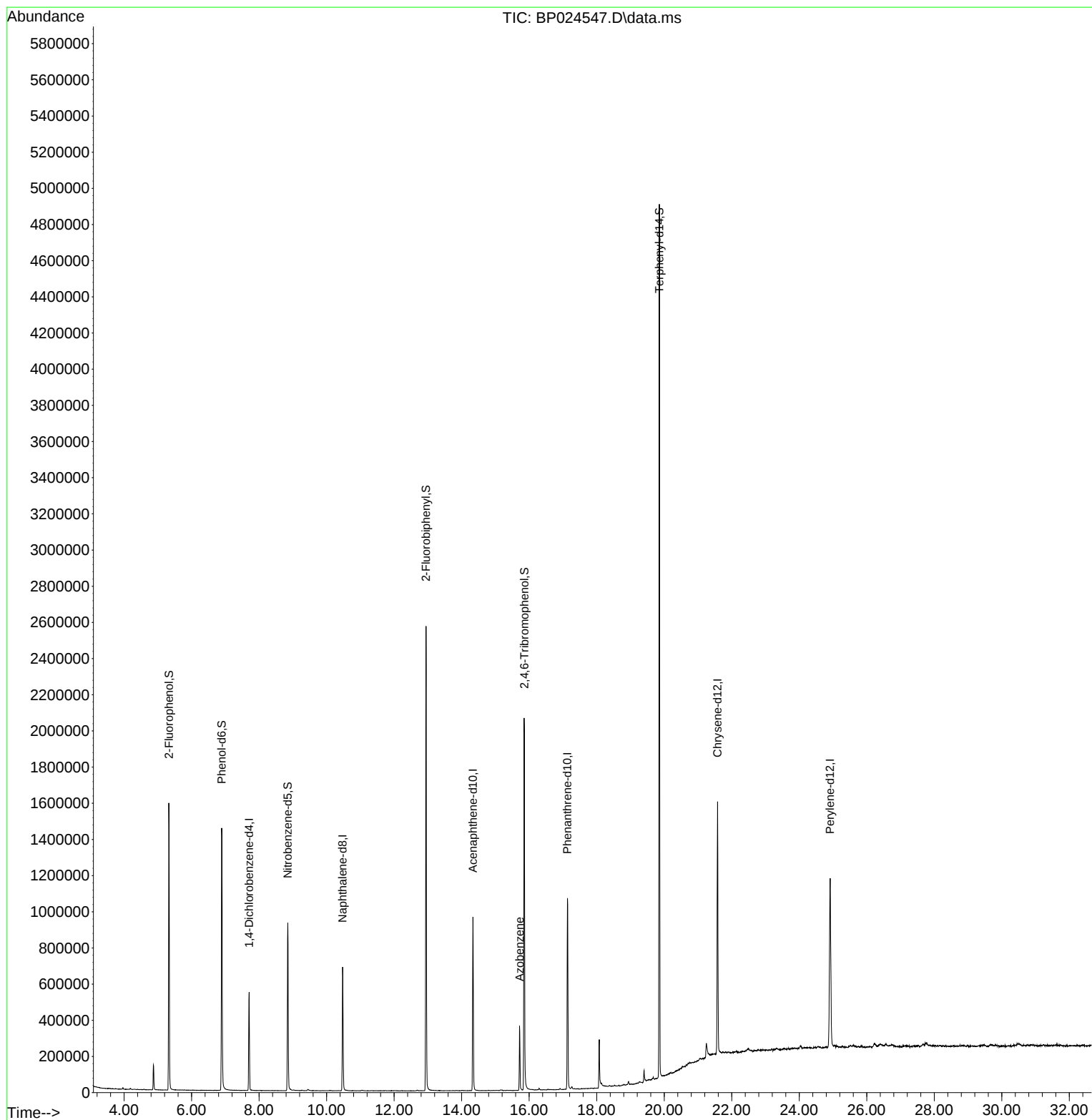
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	147376	20.000	ng	-0.02
21) Naphthalene-d8	10.475	136	576944	20.000	ng	#-0.02
39) Acenaphthene-d10	14.334	164	355159	20.000	ng	-0.02
64) Phenanthrene-d10	17.134	188	703663	20.000	ng	#-0.01
76) Chrysene-d12	21.580	240	823745	20.000	ng	#-0.01
86) Perylene-d12	24.916	264	984666	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	690366	77.454	ng	-0.02
7) Phenol-d6	6.893	99	897094	73.504	ng	-0.02
23) Nitrobenzene-d5	8.852	82	555446	54.896	ng	-0.02
42) 2,4,6-Tribromophenol	15.857	330	461424	93.903	ng	0.00
45) 2-Fluorobiphenyl	12.946	172	1310936	56.515	ng	-0.02
79) Terphenyl-d14	19.857	244	2322944	56.841	ng	-0.02
Target Compounds						
63) Azobenzene	15.716	77	104903	4.288	ng	Qvalue # 1

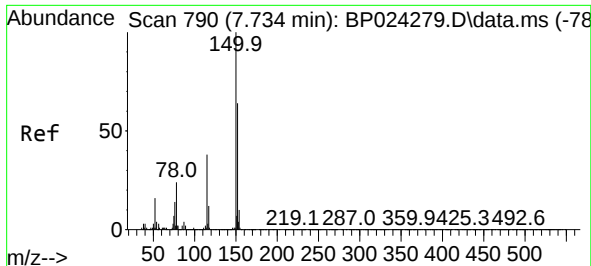
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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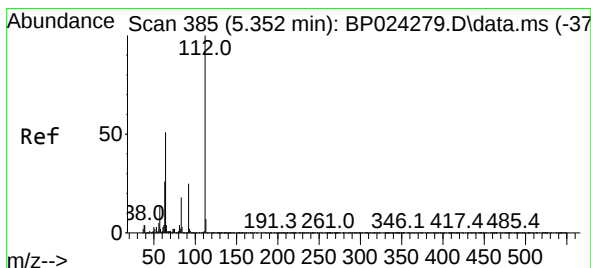
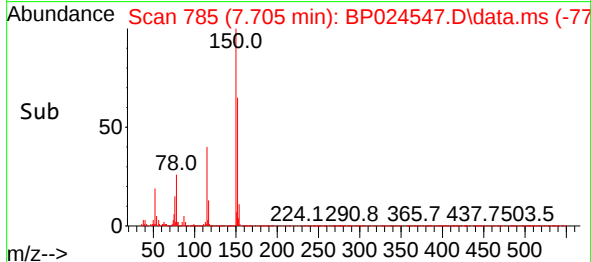
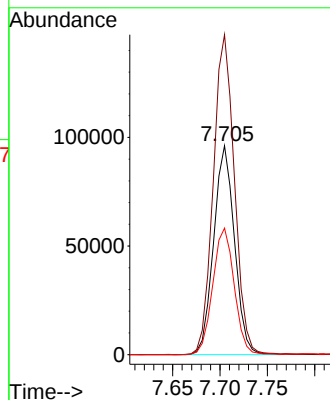
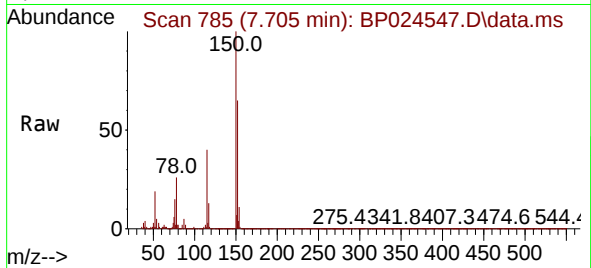




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.705 min Scan# 71
Delta R.T. -0.017 min
Lab File: BP024547.D
Acq: 06 May 2025 15:05

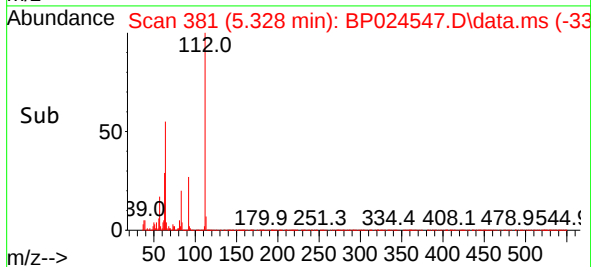
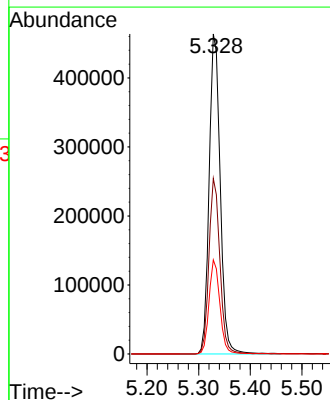
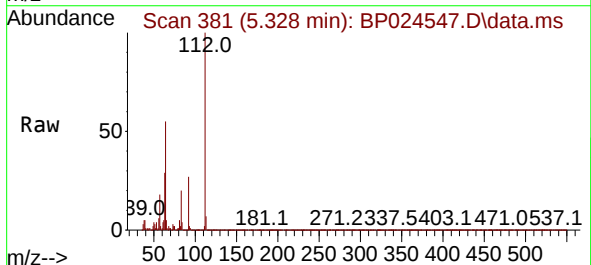
Instrument :
BNA_P
ClientSampleId :
SMALL-PILE-D

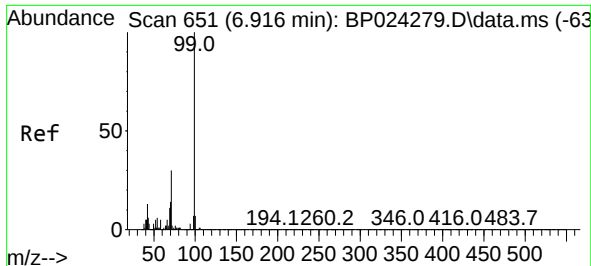
Tgt Ion:152 Resp: 147376
Ion Ratio Lower Upper
152 100
150 153.1 124.9 187.3
115 60.6 47.7 71.5



#5
2-Fluorophenol
Concen: 77.454 ng
RT: 5.328 min Scan# 381
Delta R.T. -0.018 min
Lab File: BP024547.D
Acq: 06 May 2025 15:05

Tgt Ion:112 Resp: 690366
Ion Ratio Lower Upper
112 100
64 54.9 41.1 61.7
63 29.4 20.6 30.8

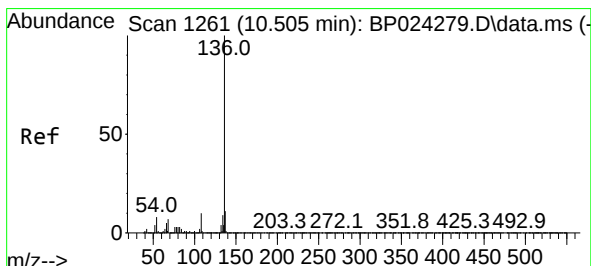
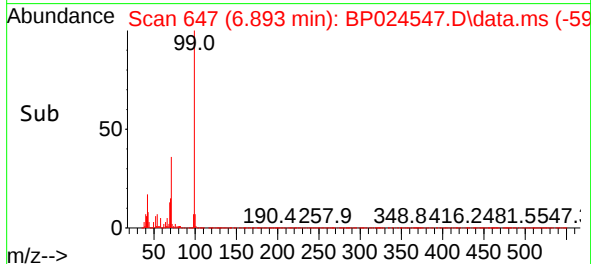
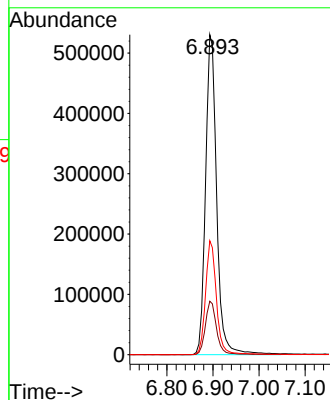
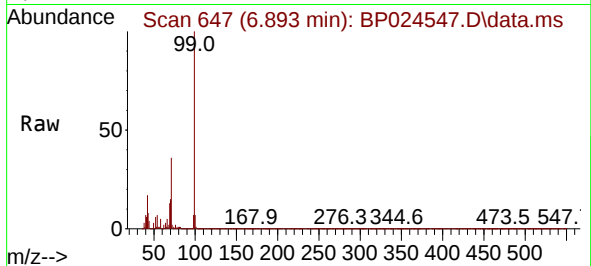




#7
Phenol-d6
Concen: 73.504 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.018 min
Lab File: BP024547.D
Acq: 06 May 2025 15:05

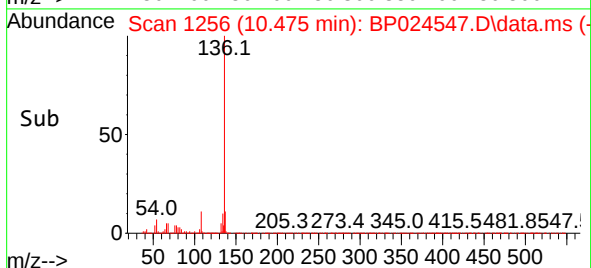
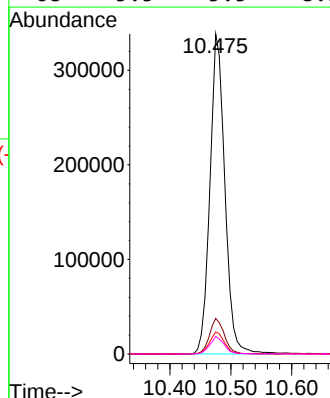
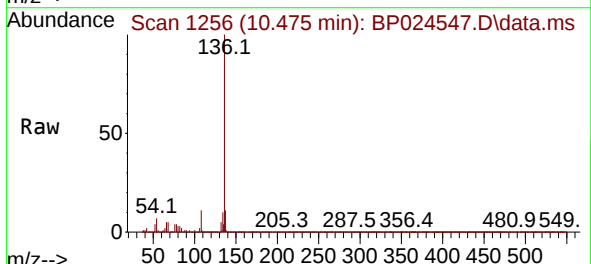
Instrument :
BNA_P
ClientSampleId :
SMALL-PILE-D

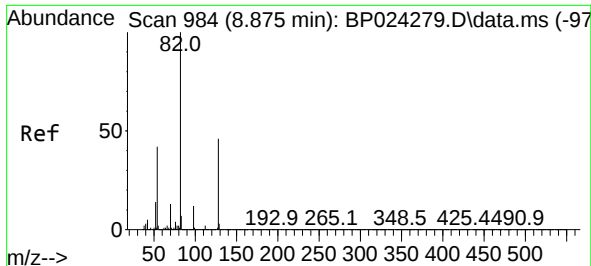
Tgt Ion: 99 Resp: 897094
Ion Ratio Lower Upper
99 100
42 16.7 10.6 16.0#
71 35.6 23.7 35.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.023 min
Lab File: BP024547.D
Acq: 06 May 2025 15:05

Tgt Ion: 136 Resp: 576944
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 6.8 6.0 9.0
68 5.5 5.5 8.3#

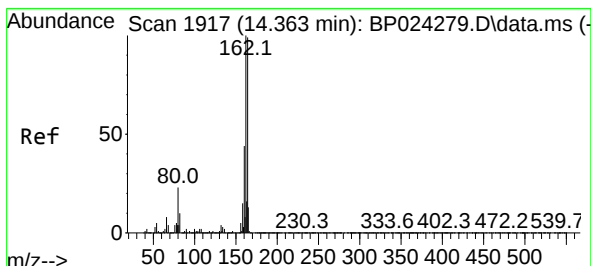
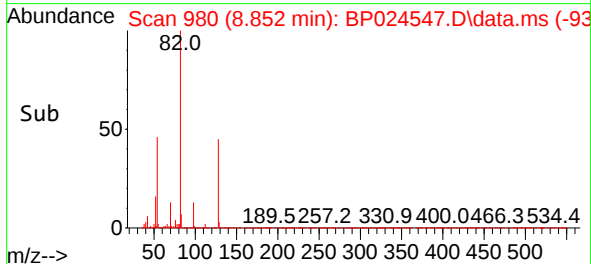
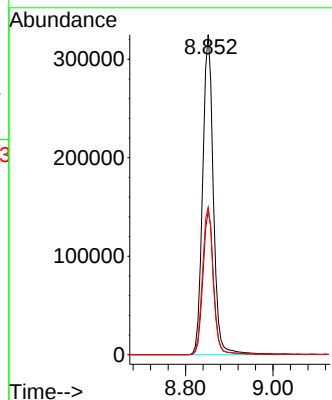
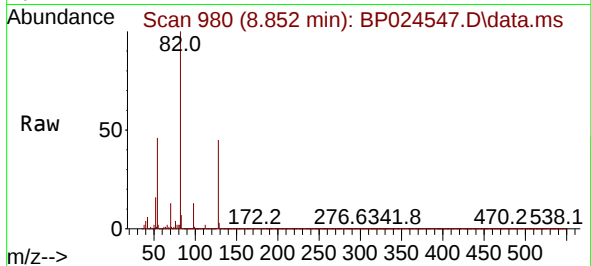




#23
Nitrobenzene-d5
Concen: 54.896 ng
RT: 8.852 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP024547.D
Acq: 06 May 2025 15:05

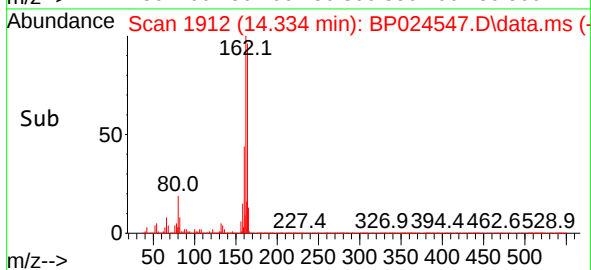
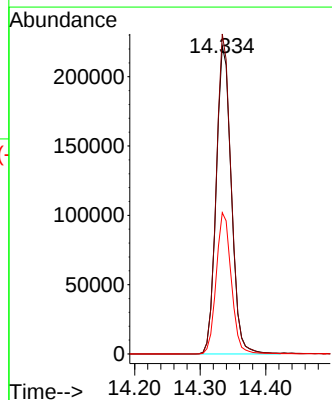
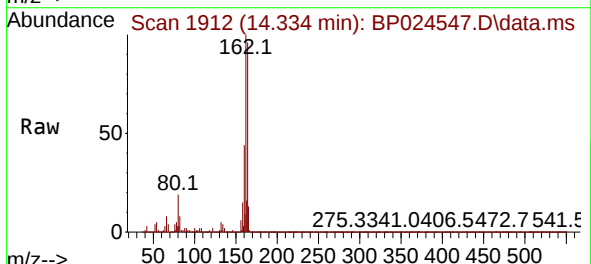
Instrument :
BNA_P
ClientSampleId :
SMALL-PILE-D

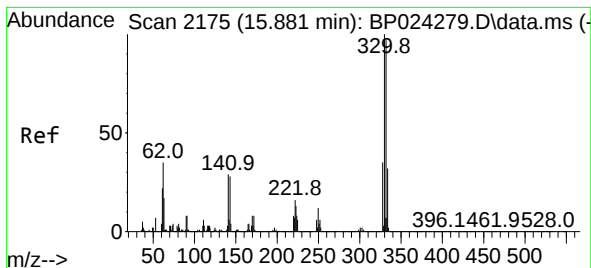
Tgt Ion: 82 Resp: 555446
Ion Ratio Lower Upper
82 100
128 45.0 36.5 54.7
54 46.1 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.334 min Scan# 1912
Delta R.T. -0.017 min
Lab File: BP024547.D
Acq: 06 May 2025 15:05

Tgt Ion:164 Resp: 355159
Ion Ratio Lower Upper
164 100
162 103.8 80.6 120.8
160 45.8 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 93.903 ng

RT: 15.857 min Scan# 2171

Delta R.T. -0.006 min

Lab File: BP024547.D

Acq: 06 May 2025 15:05

Instrument :

BNA_P

ClientSampleId :

SMALL-PILE-D

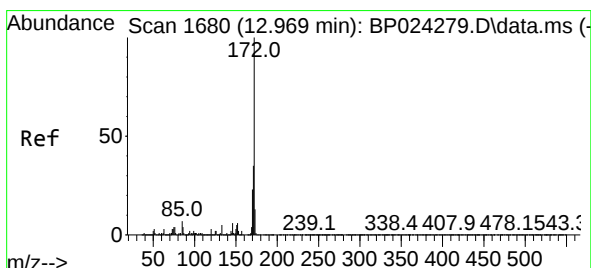
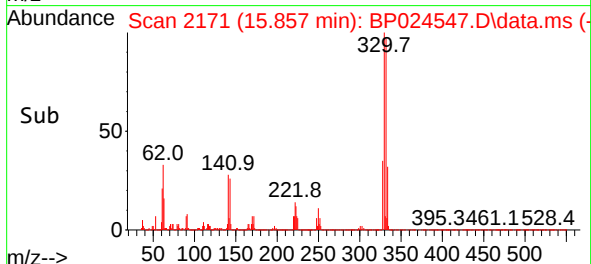
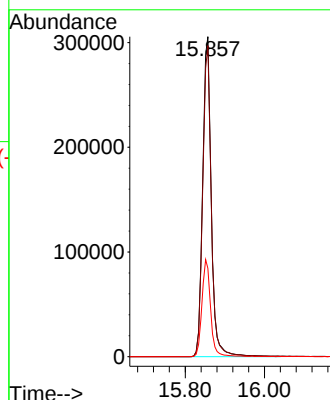
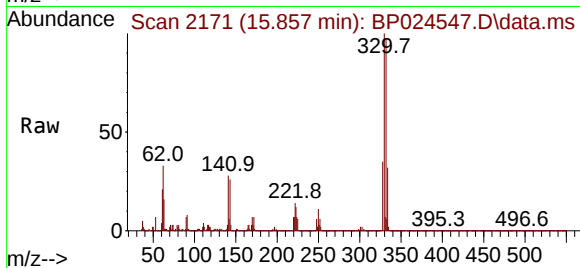
Tgt Ion:330 Resp: 461424

Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

141 30.6 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 56.515 ng

RT: 12.946 min Scan# 1676

Delta R.T. -0.017 min

Lab File: BP024547.D

Acq: 06 May 2025 15:05

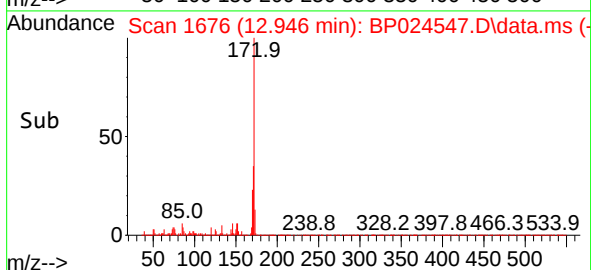
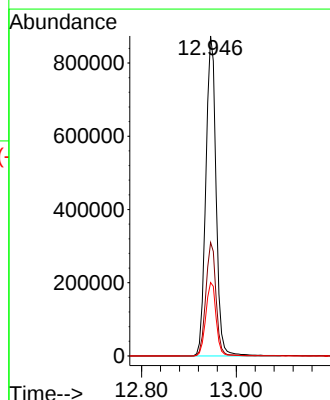
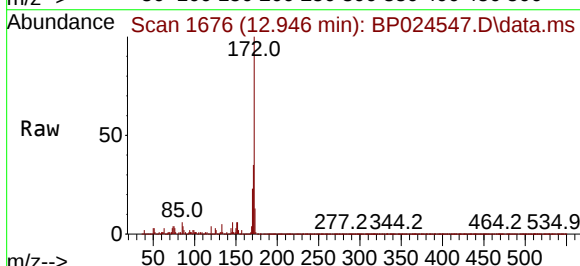
Tgt Ion:172 Resp: 1310936

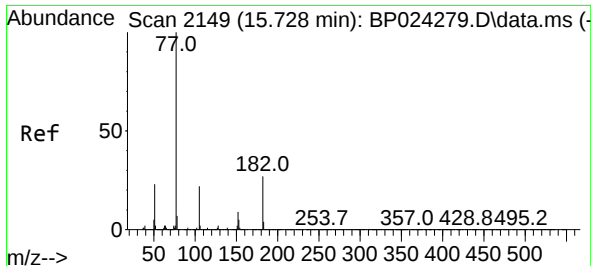
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.2

170 22.9 18.6 27.8

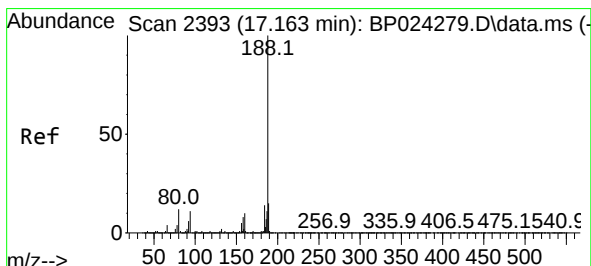
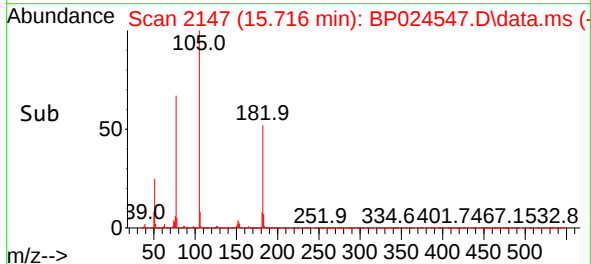
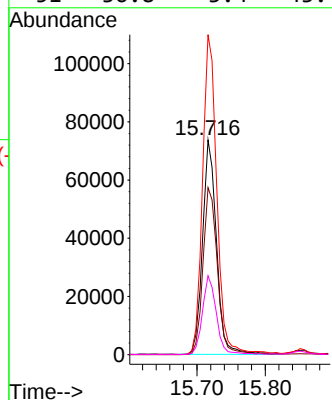
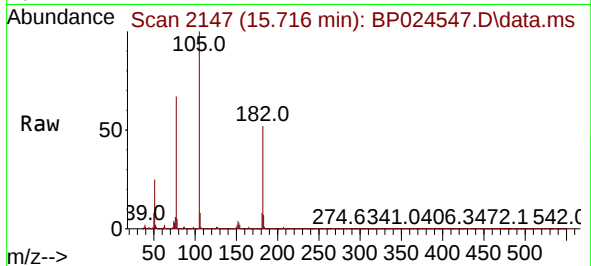




#63
Azobenzene
Concen: 4.288 ng
RT: 15.716 min Scan# 2149
Delta R.T. 0.006 min
Lab File: BP024547.D
Acq: 06 May 2025 15:05

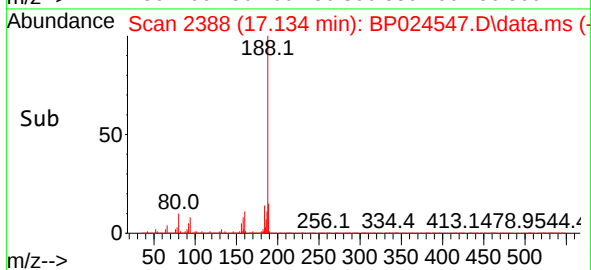
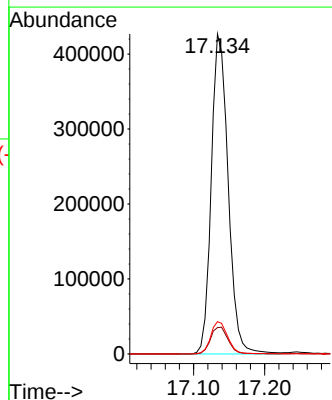
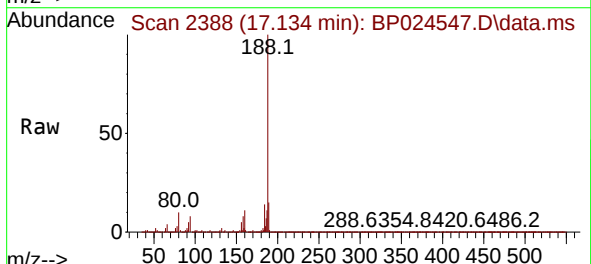
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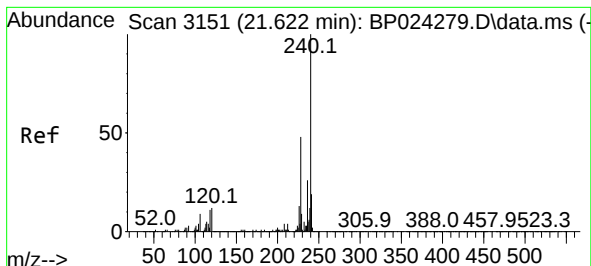
Tgt Ion: 77	Resp: 104903
Ion Ratio	Lower Upper
77 100	
182 77.8	7.3 47.3#
105 149.0	2.3 42.3#
51 36.8	3.4 43.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.134 min Scan# 2388
Delta R.T. -0.012 min
Lab File: BP024547.D
Acq: 06 May 2025 15:05

Tgt Ion: 188	Resp: 703663
Ion Ratio	Lower Upper
188 100	
94 8.2	8.6 13.0#
80 10.1	9.8 14.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.580 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP024547.D

Acq: 06 May 2025 15:05

Instrument :

BNA_P

ClientSampleId :

SMALL-PILE-D

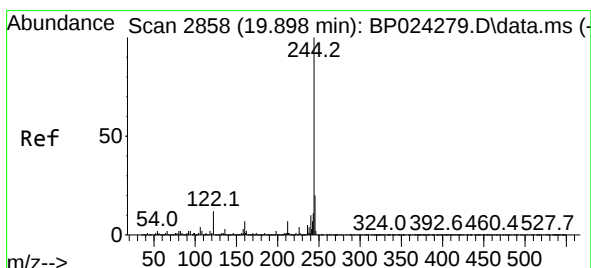
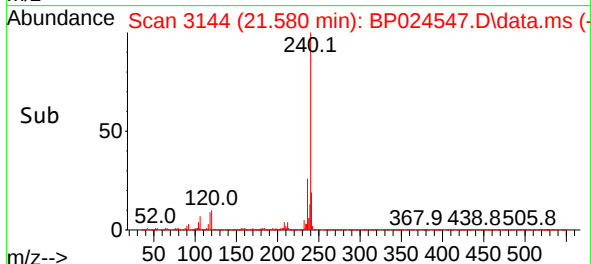
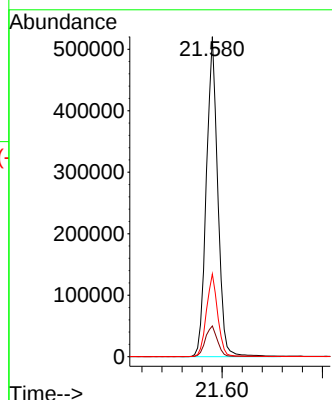
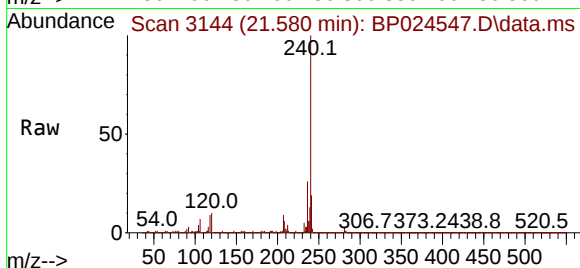
Tgt Ion:240 Resp: 823745

Ion Ratio Lower Upper

240 100

120 9.6 9.8 14.8#

236 25.8 20.9 31.3



#79

Terphenyl-d14

Concen: 56.841 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.017 min

Lab File: BP024547.D

Acq: 06 May 2025 15:05

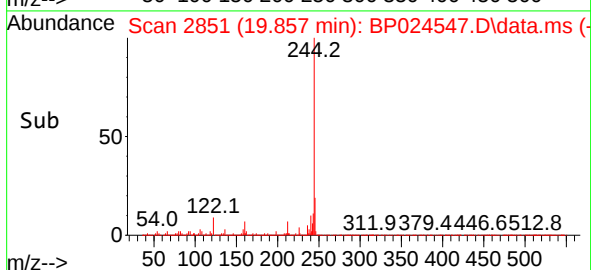
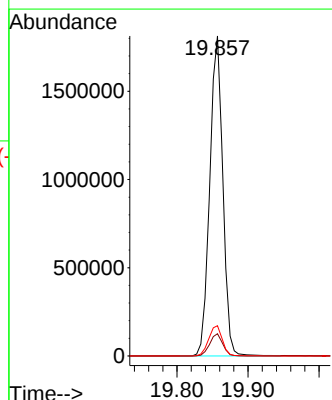
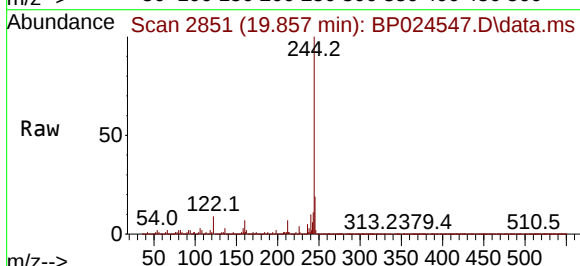
Tgt Ion:244 Resp: 2322944

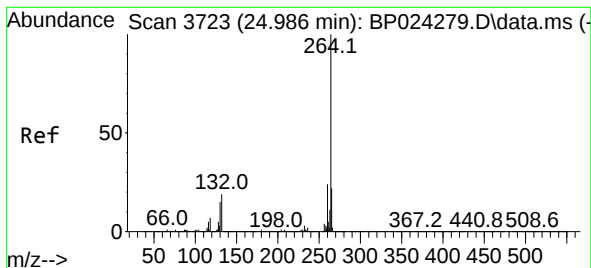
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 9.5 9.4 14.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.916 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP024547.D

Acq: 06 May 2025 15:05

Instrument :

BNA_P

ClientSampleId :

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Tgt Ion:264 Resp: 984666

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.6 17.8 26.6

