

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050825\
 Data File : BP024578.D
 Acq On : 08 May 2025 21:41
 Operator : RC/JU
 Sample : Q1972-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SUB-WC

Quant Time: May 09 01:40:22 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)

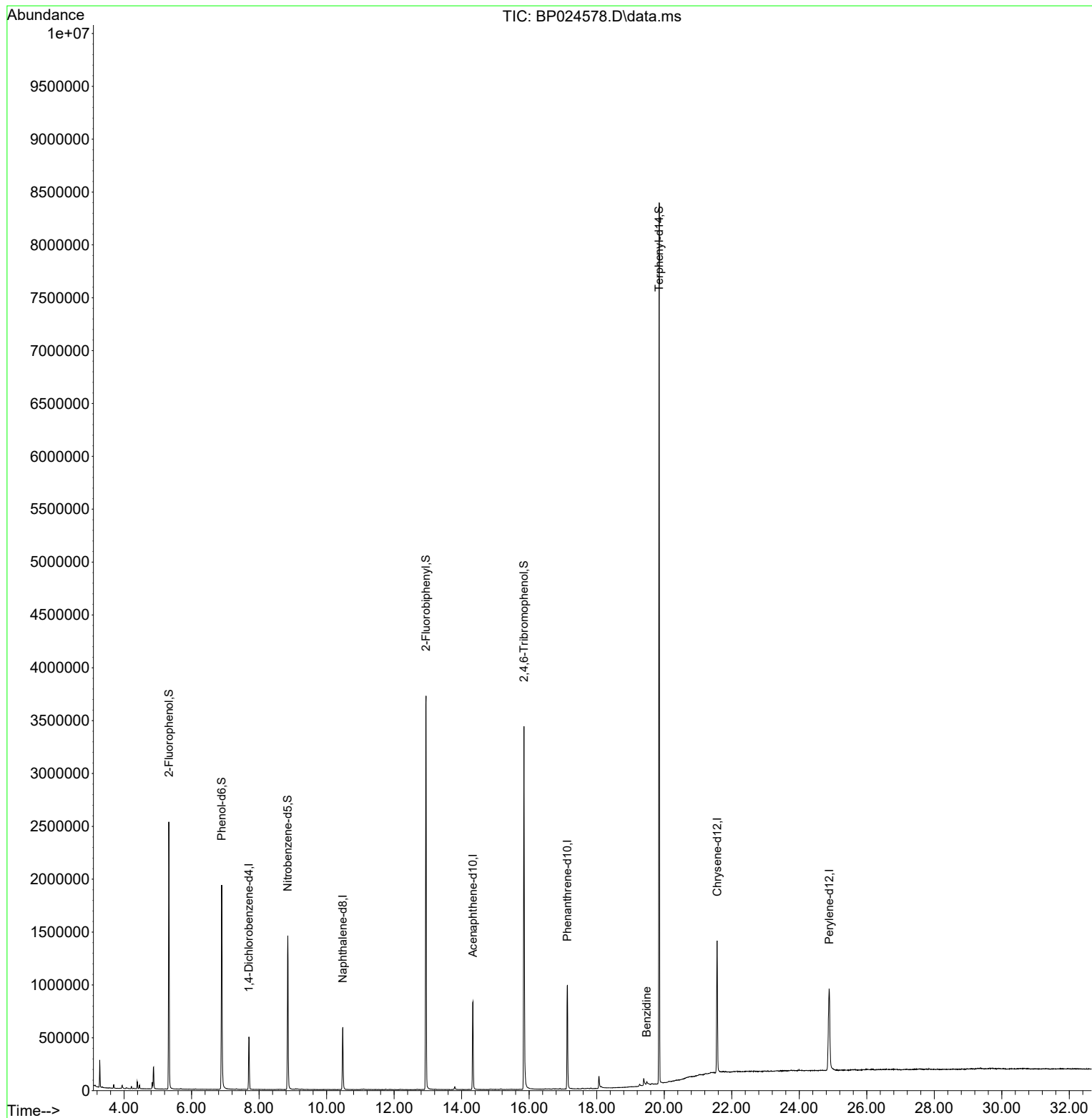
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.698	152	135643	20.000	ng	-0.02
21) Naphthalene-d8	10.481	136	517260	20.000	ng	#-0.02
39) Acenaphthene-d10	14.333	164	318071	20.000	ng	-0.02
64) Phenanthrene-d10	17.127	188	648972	20.000	ng	-0.02
76) Chrysene-d12	21.568	240	830537	20.000	ng	#-0.02
86) Perylene-d12	24.886	264	954629	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1057709	128.932	ng	-0.02
7) Phenol-d6	6.893	99	1218000	108.430	ng	-0.02
23) Nitrobenzene-d5	8.851	82	826450	91.105	ng	-0.02
42) 2,4,6-Tribromophenol	15.845	330	789325	179.364	ng	-0.02
45) 2-Fluorobiphenyl	12.945	172	1898970	91.411	ng	-0.02
79) Terphenyl-d14	19.851	244	3902561	94.712	ng	-0.02
Target Compounds						
77) Benzidine	19.486	184	32577	3.094	ng	Qvalue 97

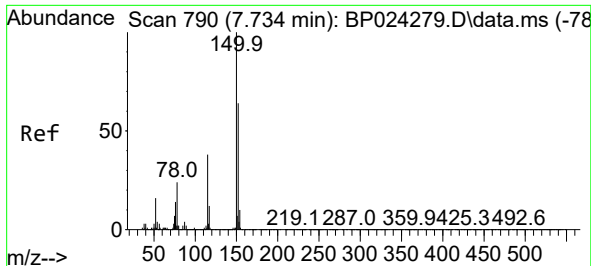
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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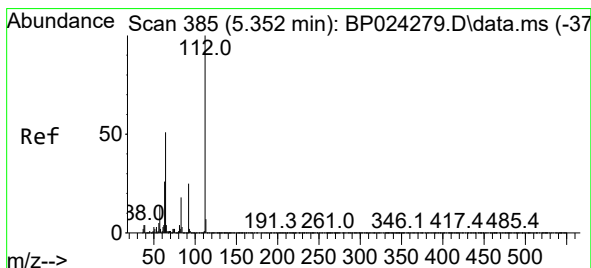
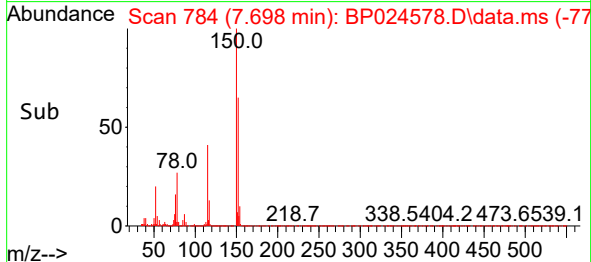
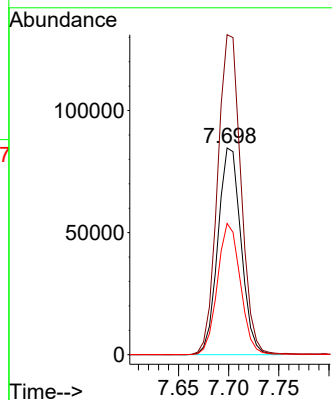
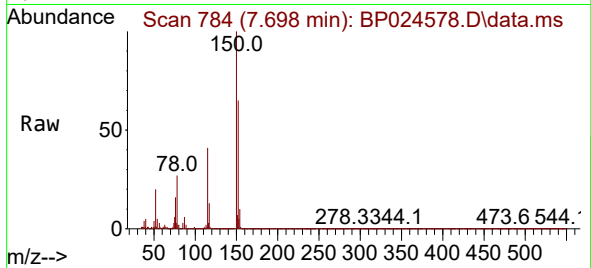




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.698 min Scan# 71
Delta R.T. -0.024 min
Lab File: BP024578.D
Acq: 08 May 2025 21:41

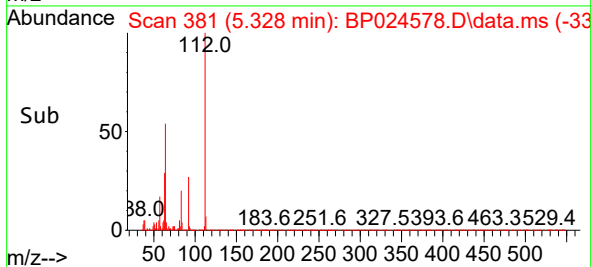
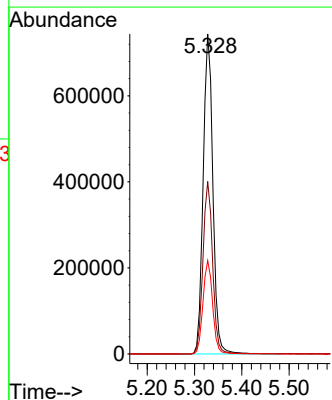
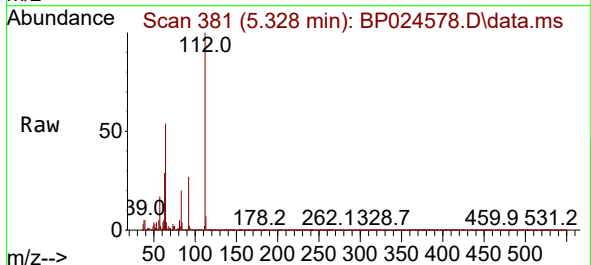
Instrument :
BNA_P
ClientSampleId :
SUB-WC

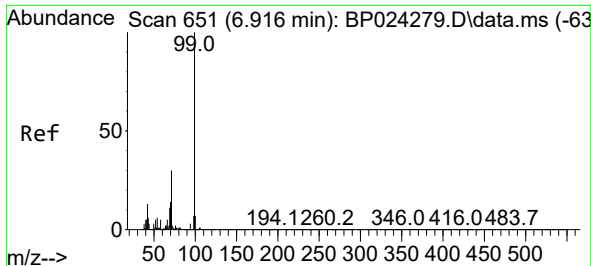
Tgt Ion:152 Resp: 135643
Ion Ratio Lower Upper
152 100
150 154.8 124.9 187.3
115 63.4 47.7 71.5



#5
2-Fluorophenol
Concen: 128.932 ng
RT: 5.328 min Scan# 381
Delta R.T. -0.018 min
Lab File: BP024578.D
Acq: 08 May 2025 21:41

Tgt Ion:112 Resp: 1057709
Ion Ratio Lower Upper
112 100
64 53.9 41.1 61.7
63 29.1 20.6 30.8

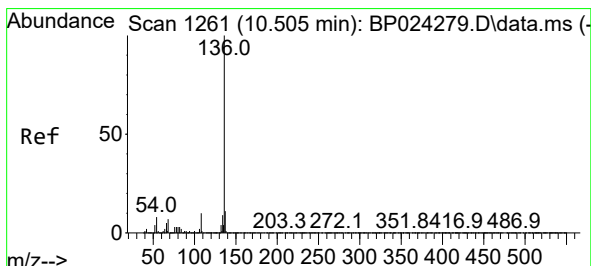
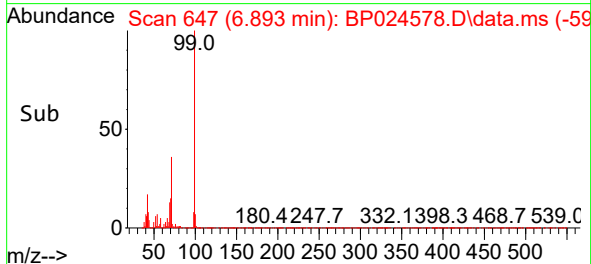
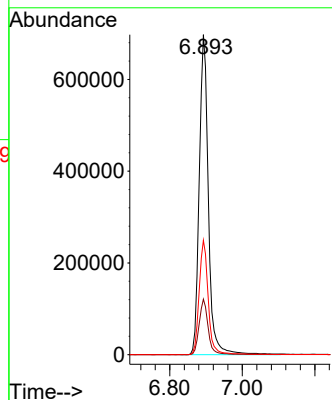
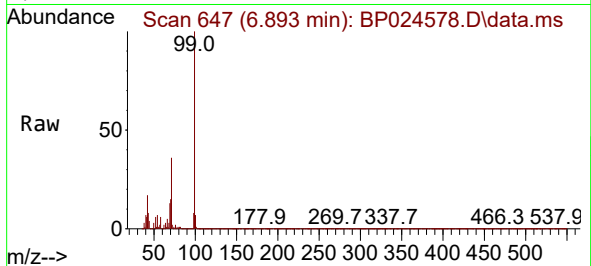




#7
Phenol-d6
Concen: 108.430 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.018 min
Lab File: BP024578.D
Acq: 08 May 2025 21:41

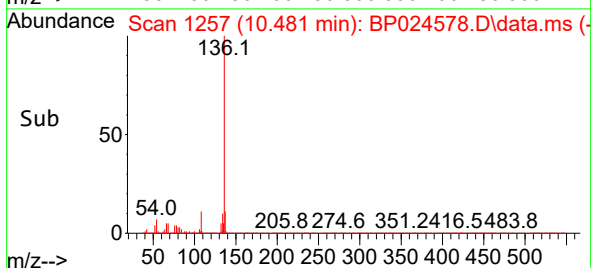
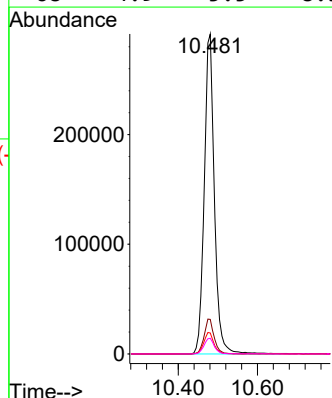
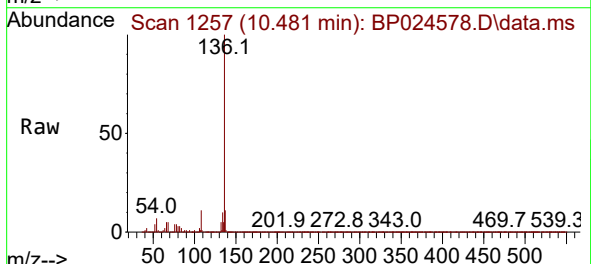
Instrument :
BNA_P
ClientSampleId :
SUB-WC

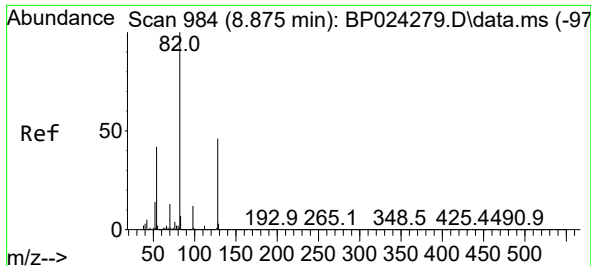
Tgt Ion: 99 Resp: 1218000
Ion Ratio Lower Upper
99 100
42 17.3 10.6 16.0#
71 35.8 23.7 35.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.018 min
Lab File: BP024578.D
Acq: 08 May 2025 21:41

Tgt Ion:136 Resp: 517260
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 6.6 6.0 9.0
68 4.9 5.5 8.3#

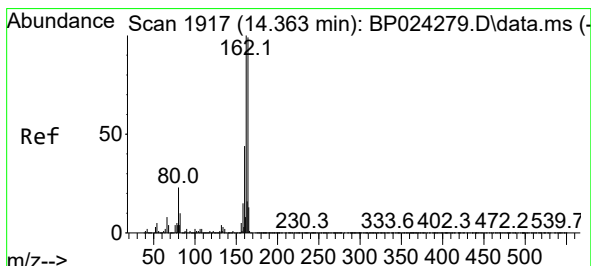
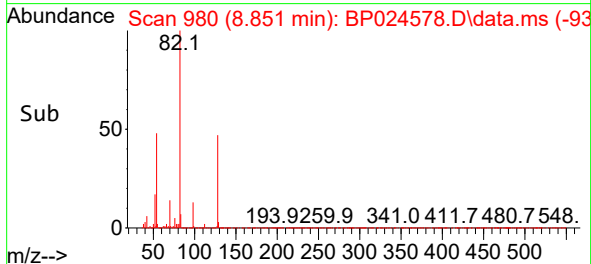
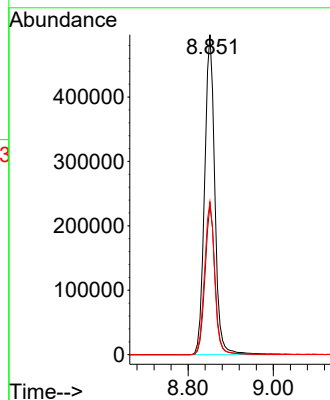
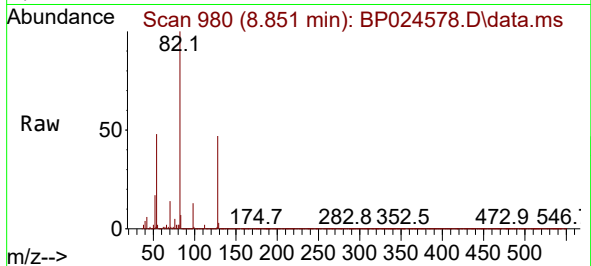




#23
Nitrobenzene-d5
Concen: 91.105 ng
RT: 8.851 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP024578.D
Acq: 08 May 2025 21:41

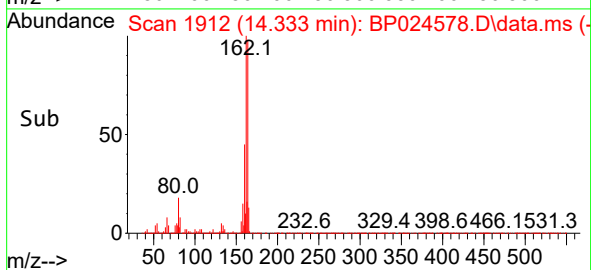
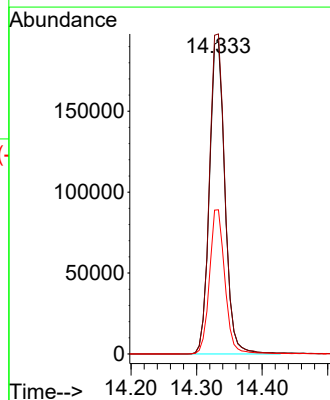
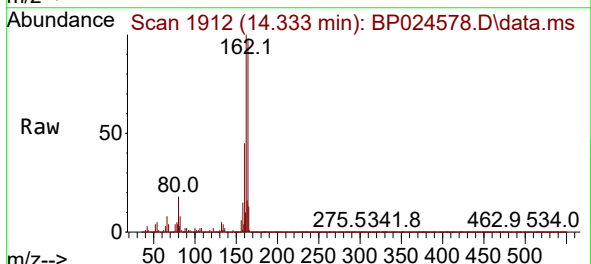
Instrument :
BNA_P
ClientSampleId :
SUB-WC

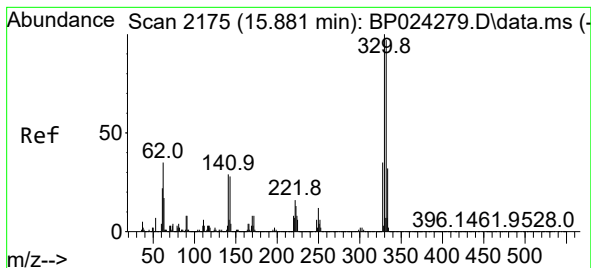
Tgt Ion: 82 Resp: 826450
Ion Ratio Lower Upper
82 100
128 46.8 36.5 54.7
54 47.7 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.333 min Scan# 1912
Delta R.T. -0.018 min
Lab File: BP024578.D
Acq: 08 May 2025 21:41

Tgt Ion: 164 Resp: 318071
Ion Ratio Lower Upper
164 100
162 102.5 80.6 120.8
160 46.2 35.3 52.9

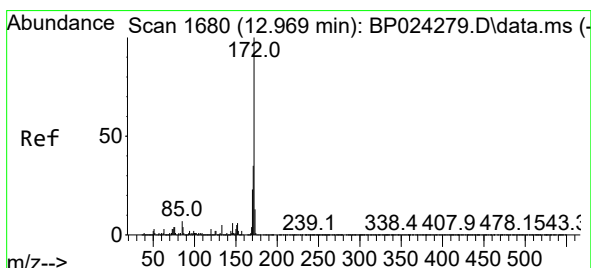
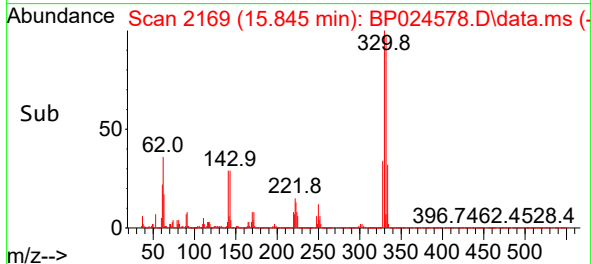
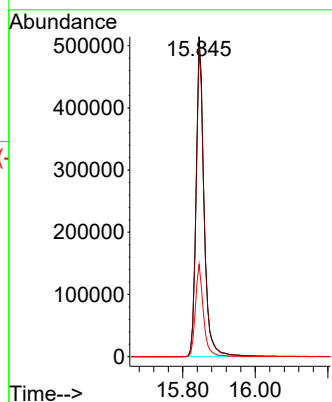
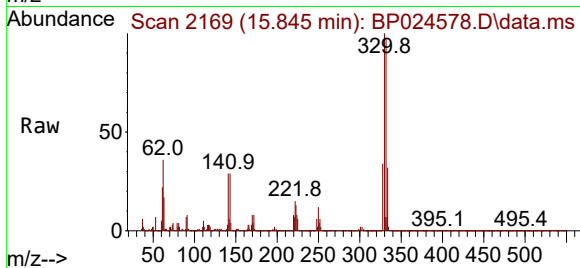




#42
2,4,6-Tribromophenol
Concen: 179.364 ng
RT: 15.845 min Scan# 2175
Delta R.T. -0.018 min
Lab File: BP024578.D
Acq: 08 May 2025 21:41

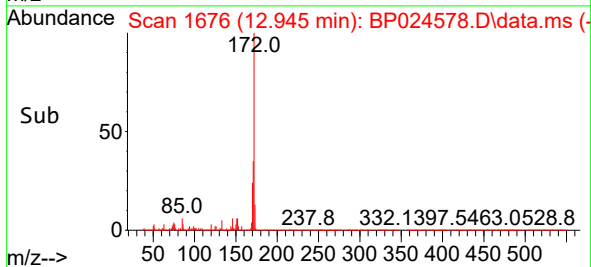
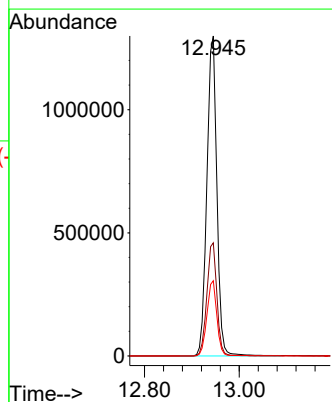
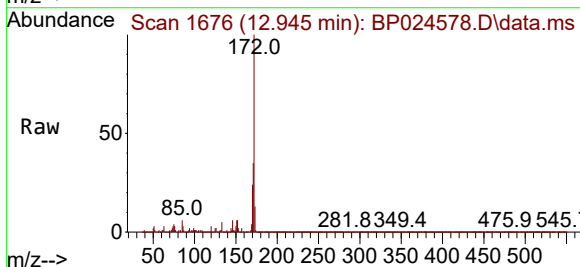
Instrument :
BNA_P
ClientSampleId :
SUB-WC

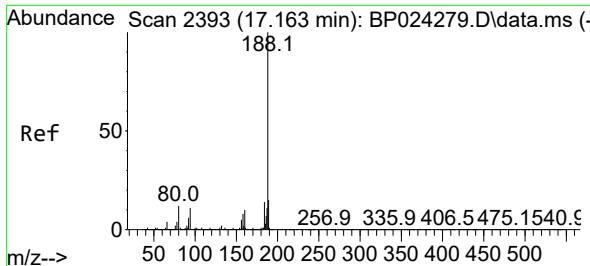
Tgt Ion:330 Resp: 789325
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 29.0 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 91.411 ng
RT: 12.945 min Scan# 1676
Delta R.T. -0.018 min
Lab File: BP024578.D
Acq: 08 May 2025 21:41

Tgt Ion:172 Resp: 1898970
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 23.5 18.6 27.8

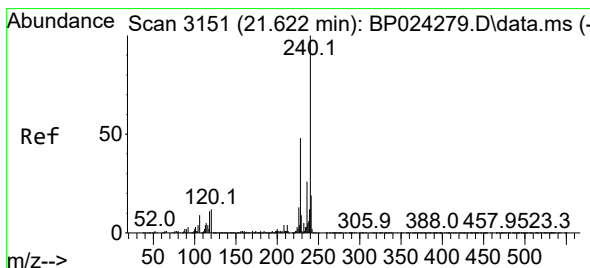
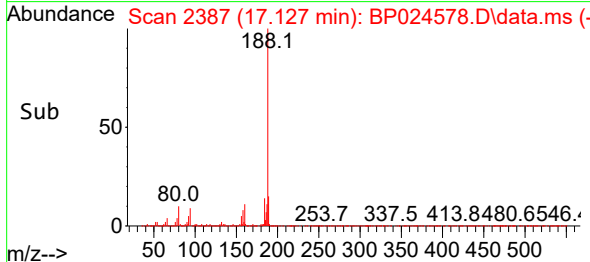
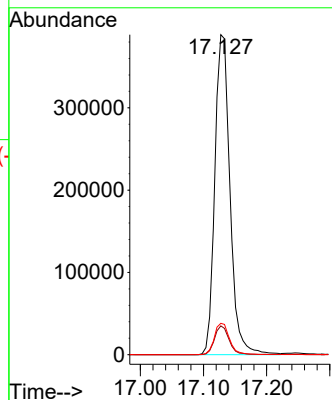
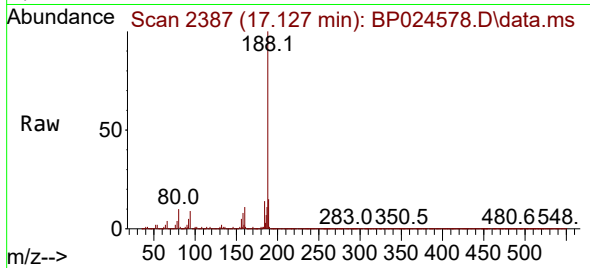




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.127 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024578.D
Acq: 08 May 2025 21:41

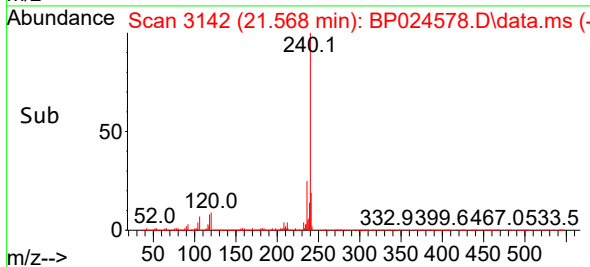
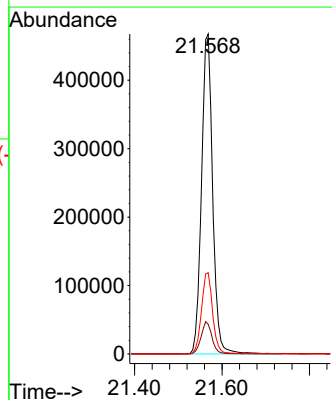
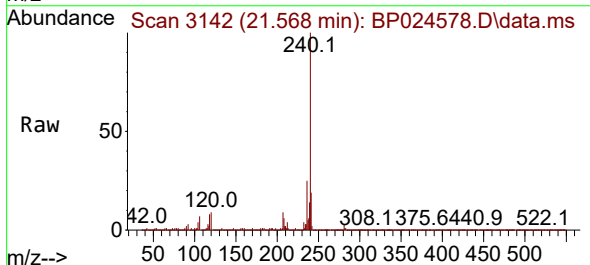
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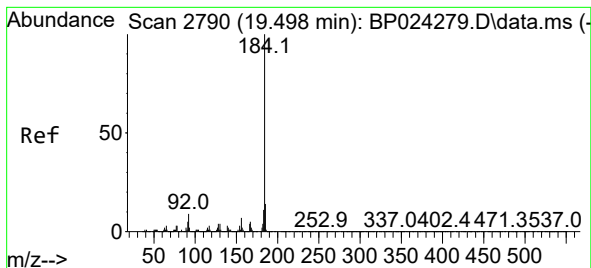
Tgt Ion:188 Resp: 648972
Ion Ratio Lower Upper
188 100
94 9.0 8.6 13.0
80 9.8 9.8 14.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3142
Delta R.T. -0.024 min
Lab File: BP024578.D
Acq: 08 May 2025 21:41

Tgt Ion:240 Resp: 830537
Ion Ratio Lower Upper
240 100
120 9.2 9.8 14.8#
236 25.4 20.9 31.3





#77

Benzidine

Concen: 3.094 ng

RT: 19.486 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024578.D

Acq: 08 May 2025 21:41

Instrument :

BNA_P

ClientSampleId :

SUB-WC

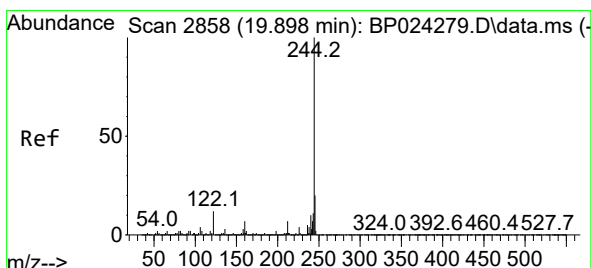
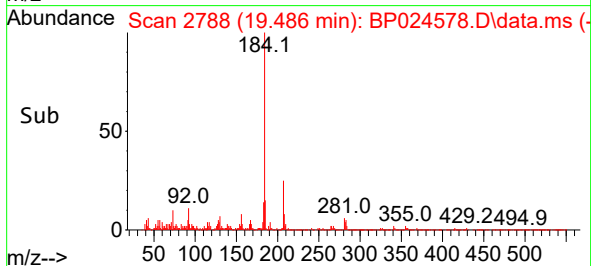
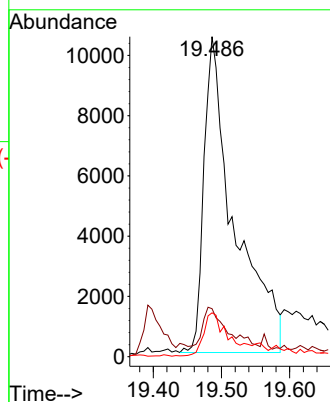
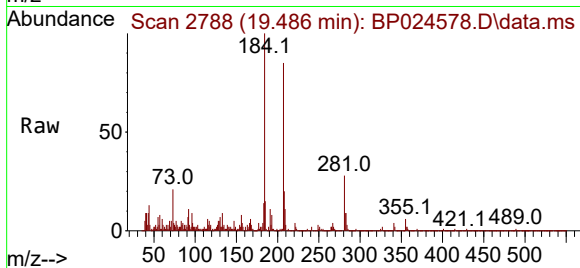
Tgt Ion:184 Resp: 32577

Ion Ratio Lower Upper

184 100

185 15.0 11.6 17.4

183 13.7 9.2 13.8



#79

Terphenyl-d14

Concen: 94.712 ng

RT: 19.851 min Scan# 2850

Delta R.T. -0.024 min

Lab File: BP024578.D

Acq: 08 May 2025 21:41

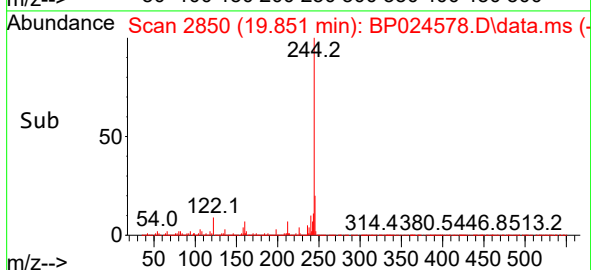
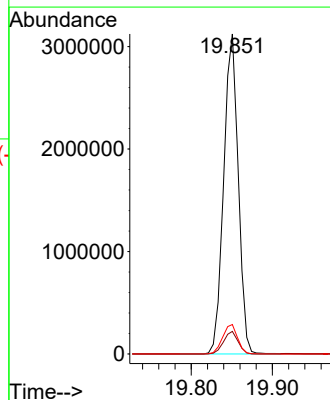
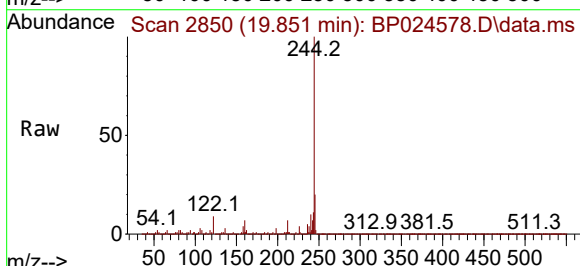
Tgt Ion:244 Resp: 3902561

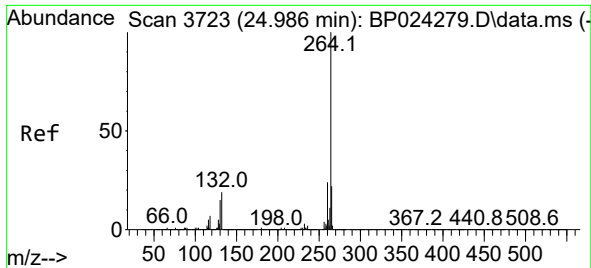
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 9.2 9.4 14.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.886 min Scan# 31

Delta R.T. -0.047 min

Lab File: BP024578.D

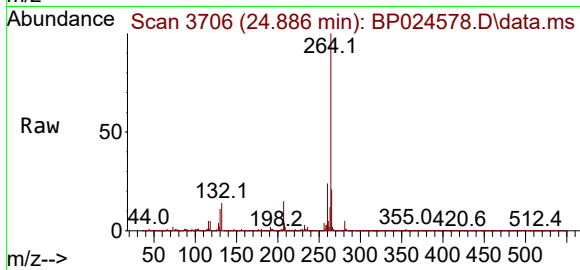
Acq: 08 May 2025 21:41

Instrument :

BNA_P

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Tgt Ion:264 Resp: 954629

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.5 17.8 26.6

