

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050825\
 Data File : BP024581.D
 Acq On : 08 May 2025 23:43
 Operator : RC/JU
 Sample : Q1972-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-B-7

Quant Time: May 09 01:41:12 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)

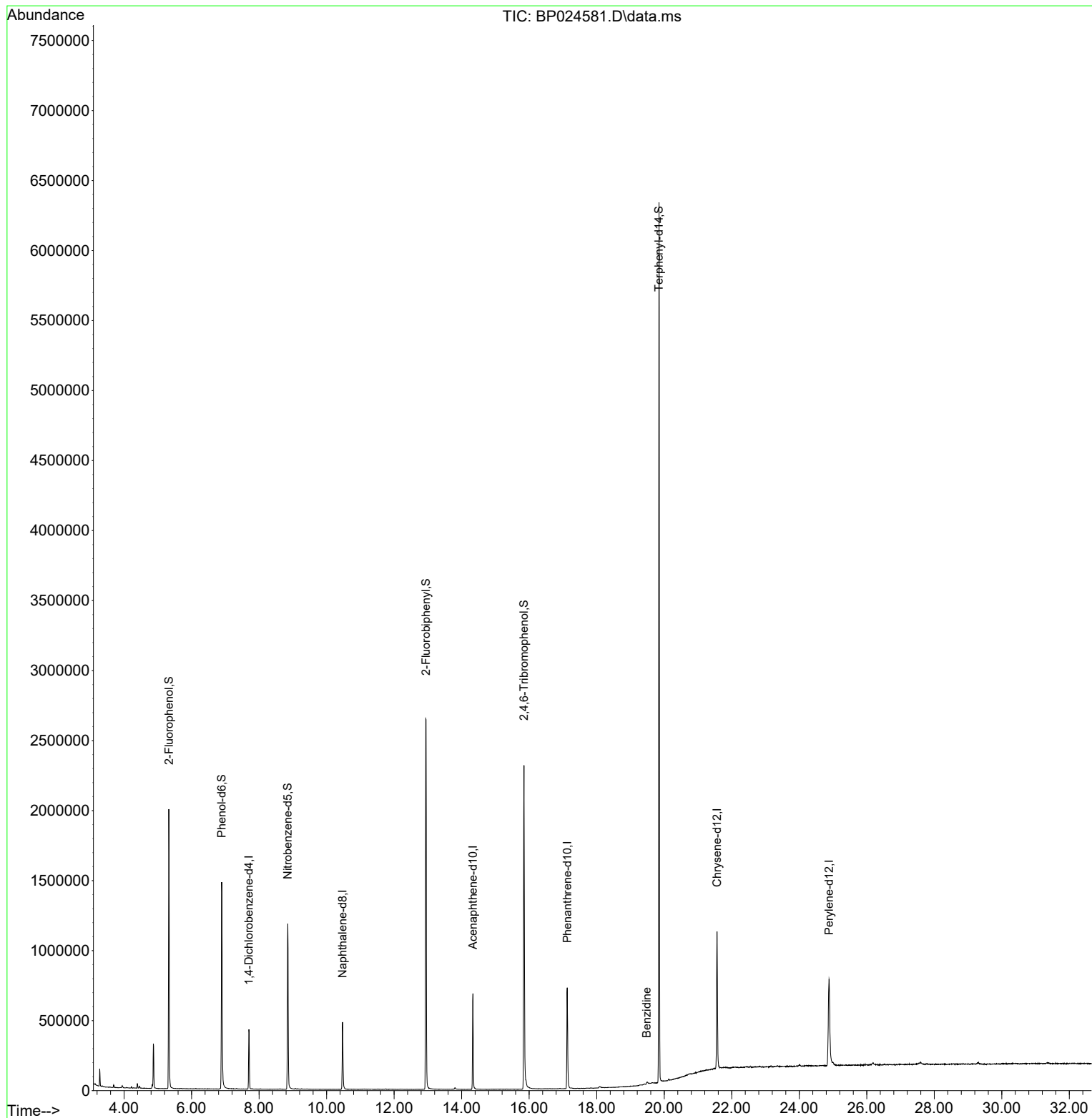
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	113178	20.000	ng	-0.02
21) Naphthalene-d8	10.475	136	419918	20.000	ng	#-0.02
39) Acenaphthene-d10	14.334	164	241359	20.000	ng	-0.02
64) Phenanthrene-d10	17.128	188	507564	20.000	ng	#-0.02
76) Chrysene-d12	21.563	240	668848	20.000	ng	#-0.03
86) Perylene-d12	24.880	264	786646	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	852021	124.475	ng	-0.02
7) Phenol-d6	6.893	99	933886	99.640	ng	-0.02
23) Nitrobenzene-d5	8.852	82	690823	93.808	ng	-0.02
42) 2,4,6-Tribromophenol	15.845	330	574367	172.001	ng	-0.02
45) 2-Fluorobiphenyl	12.945	172	1533682	97.292	ng	-0.02
79) Terphenyl-d14	19.845	244	3064768	92.360	ng	-0.03
Target Compounds						
77) Benzidine	19.486	184	17421	2.055	ng	Qvalue # 94

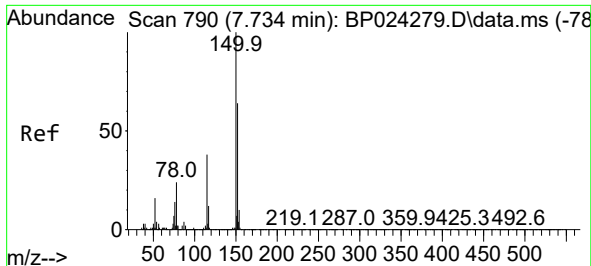
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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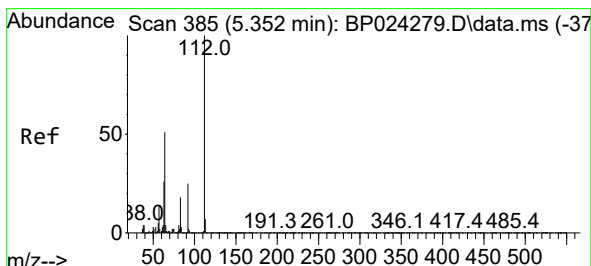
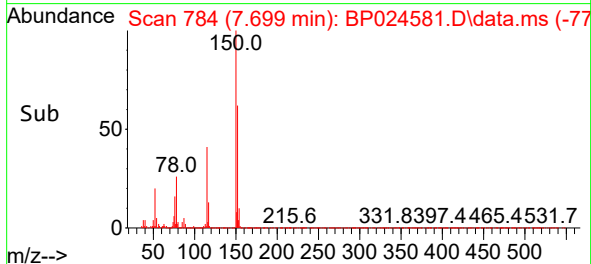
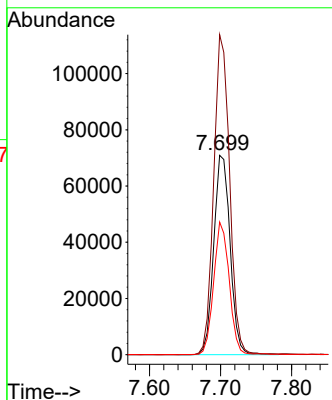
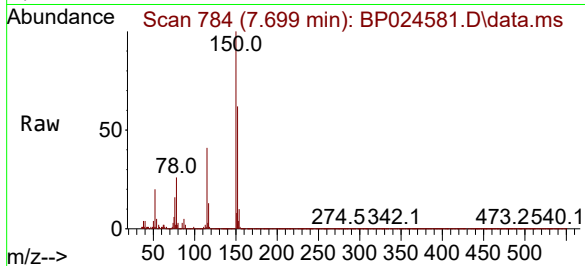




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.699 min Scan# 71
Delta R.T. -0.023 min
Lab File: BP024581.D
Acq: 08 May 2025 23:43

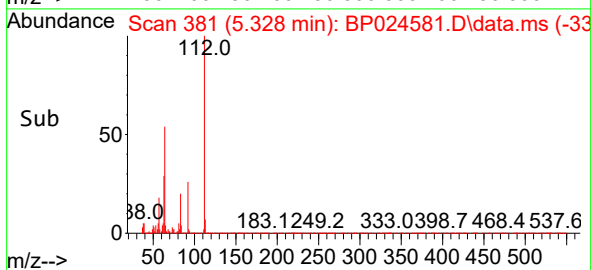
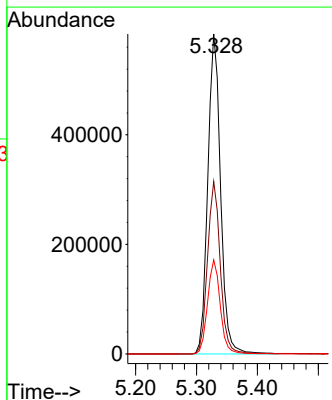
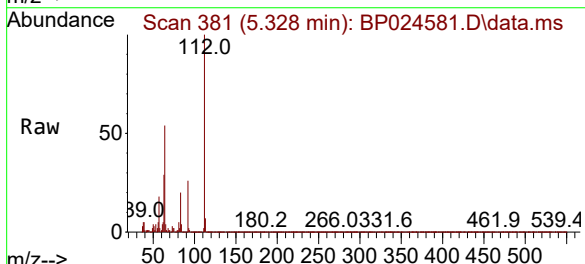
Instrument :
BNA_P
ClientSampleId :
WC-B-7

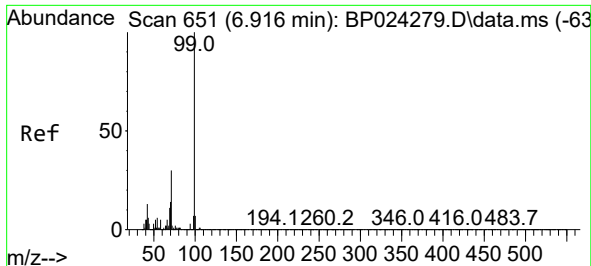
Tgt Ion:152 Resp: 113178
Ion Ratio Lower Upper
152 100
150 160.5 124.9 187.3
115 66.6 47.7 71.5



#5
2-Fluorophenol
Concen: 124.475 ng
RT: 5.328 min Scan# 381
Delta R.T. -0.018 min
Lab File: BP024581.D
Acq: 08 May 2025 23:43

Tgt Ion:112 Resp: 852021
Ion Ratio Lower Upper
112 100
64 53.9 41.1 61.7
63 29.4 20.6 30.8

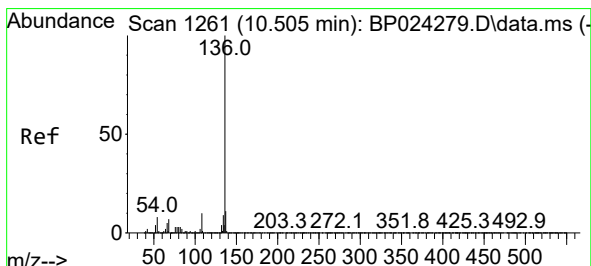
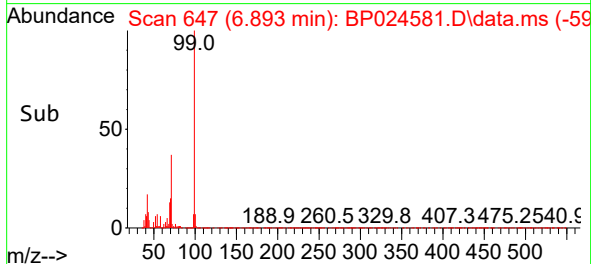
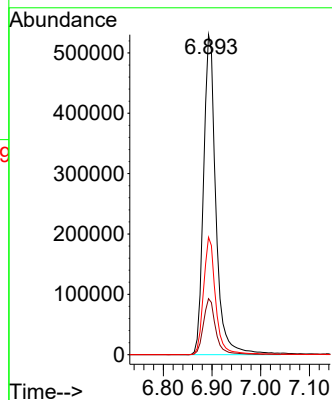
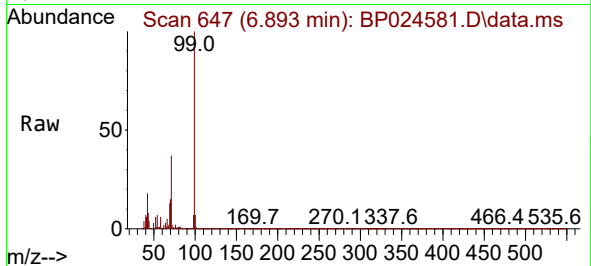




#7
Phenol-d6
Concen: 99.640 ng
RT: 6.893 min Scan# 647
Delta R.T. -0.018 min
Lab File: BP024581.D
Acq: 08 May 2025 23:43

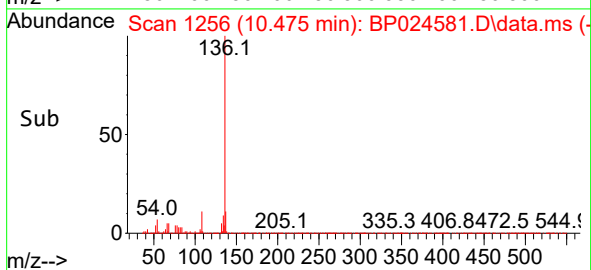
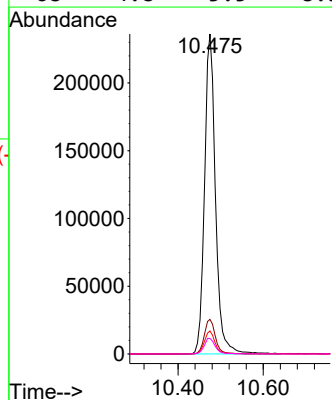
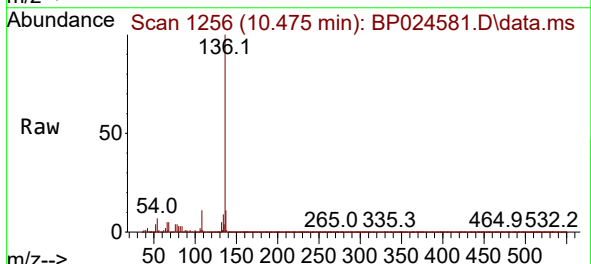
Instrument :
BNA_P
ClientSampleId :
WC-B-7

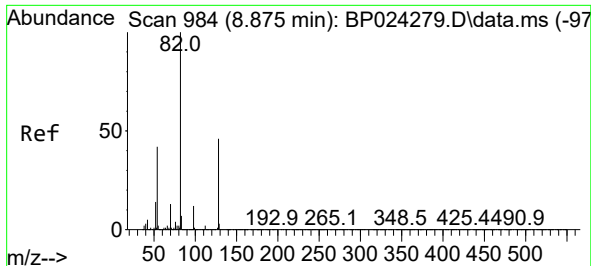
Tgt Ion: 99 Resp: 933886
Ion Ratio Lower Upper
99 100
42 17.5 10.6 16.0#
71 36.7 23.7 35.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.023 min
Lab File: BP024581.D
Acq: 08 May 2025 23:43

Tgt Ion: 136 Resp: 419918
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 7.2 6.0 9.0
68 4.8 5.5 8.3#

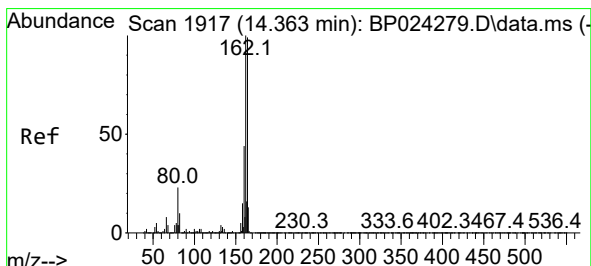
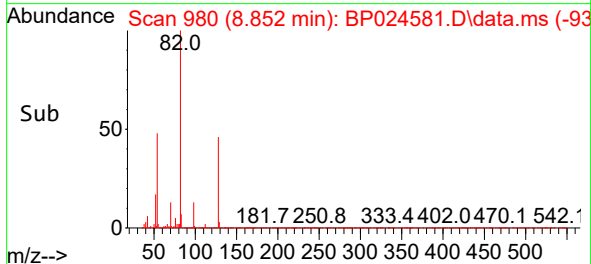
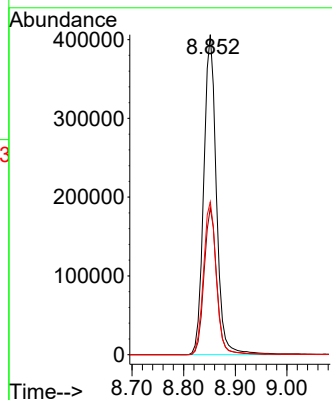
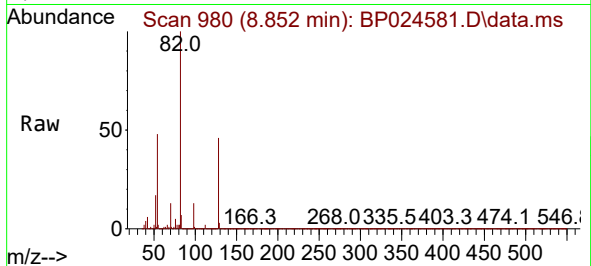




#23
Nitrobenzene-d5
Concen: 93.808 ng
RT: 8.852 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP024581.D
Acq: 08 May 2025 23:43

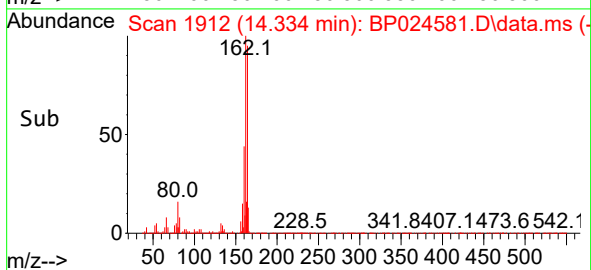
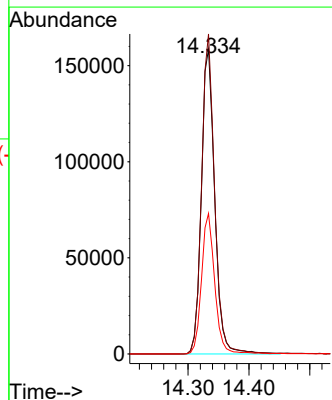
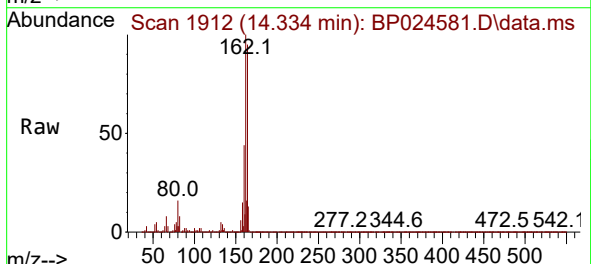
Instrument :
BNA_P
ClientSampleId :
WC-B-7

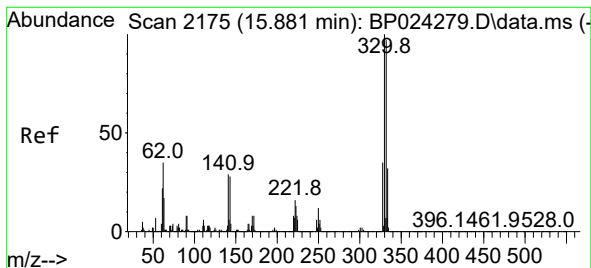
Tgt Ion: 82 Resp: 690823
Ion Ratio Lower Upper
82 100
128 45.9 36.5 54.7
54 47.7 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.334 min Scan# 1912
Delta R.T. -0.018 min
Lab File: BP024581.D
Acq: 08 May 2025 23:43

Tgt Ion:164 Resp: 241359
Ion Ratio Lower Upper
164 100
162 104.9 80.6 120.8
160 46.1 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 172.001 ng

RT: 15.845 min Scan# 2175

Delta R.T. -0.018 min

Lab File: BP024581.D

Acq: 08 May 2025 23:43

Instrument :

BNA_P

ClientSampleId :

WC-B-7

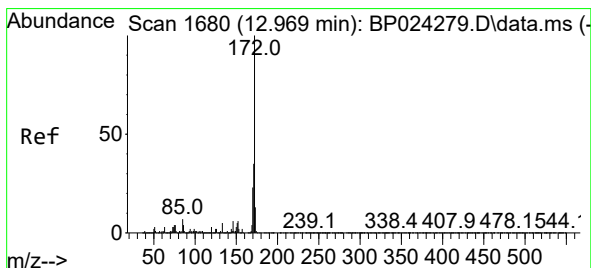
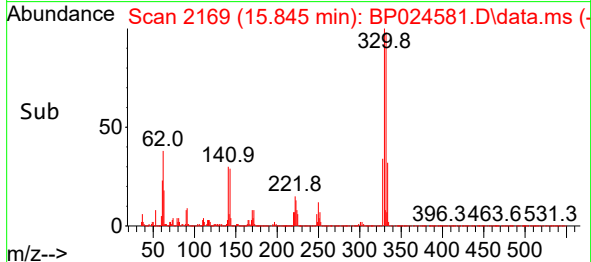
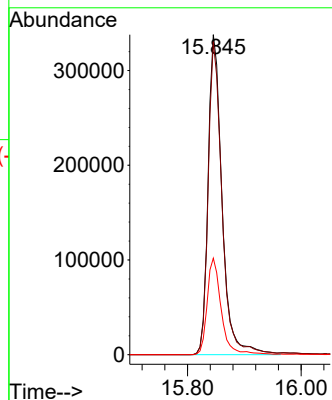
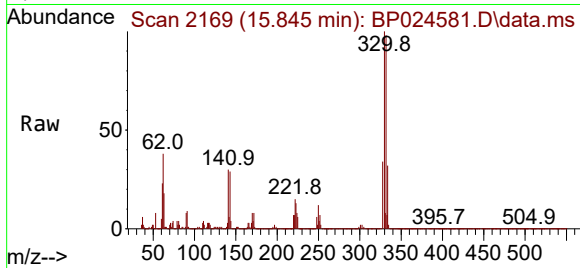
Tgt Ion:330 Resp: 574367

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 30.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 97.292 ng

RT: 12.945 min Scan# 1676

Delta R.T. -0.018 min

Lab File: BP024581.D

Acq: 08 May 2025 23:43

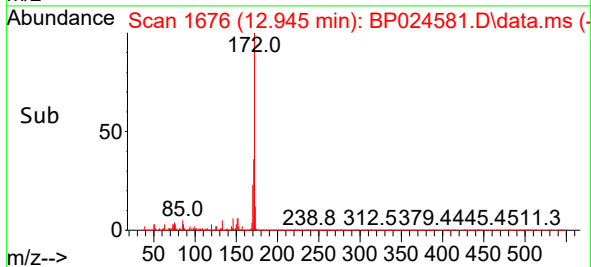
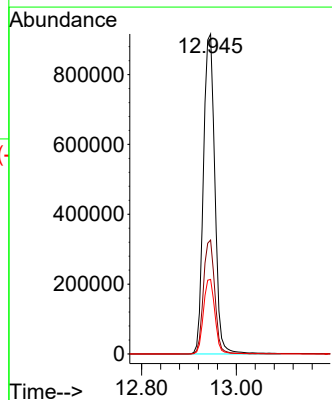
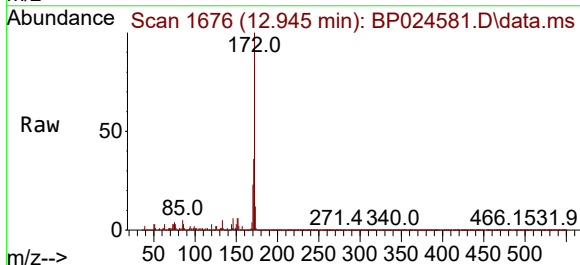
Tgt Ion:172 Resp: 1533682

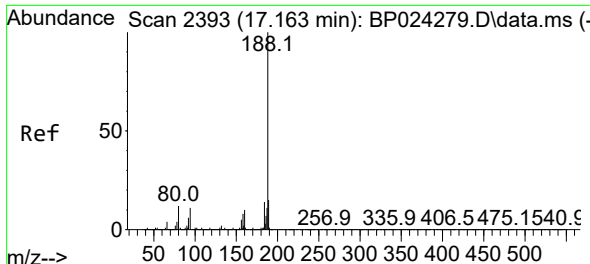
Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.2

170 23.3 18.6 27.8

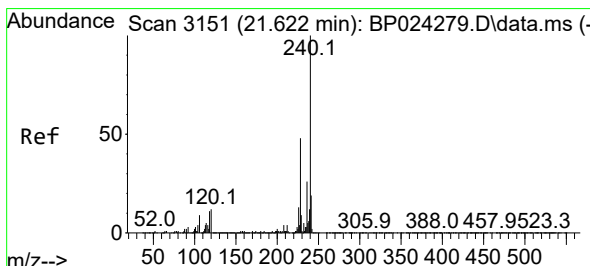
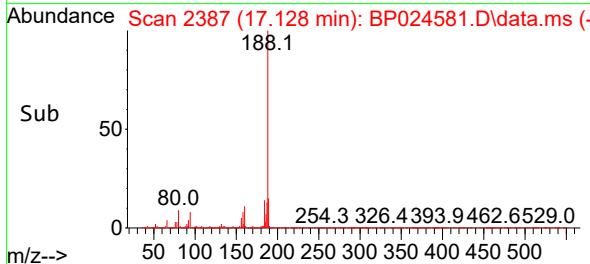
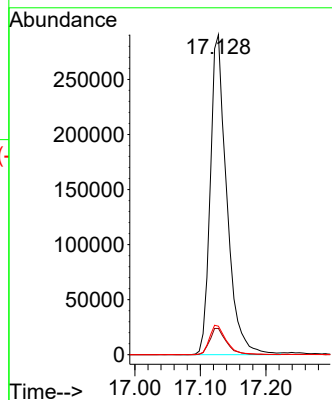
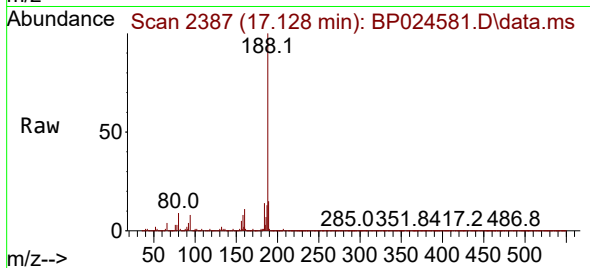




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.128 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024581.D
Acq: 08 May 2025 23:43

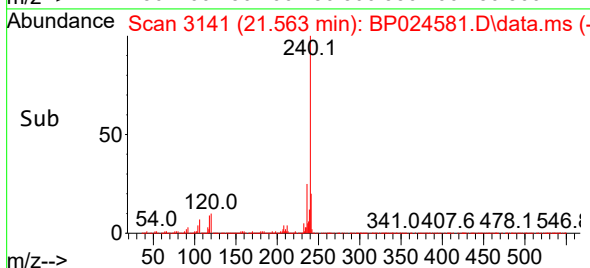
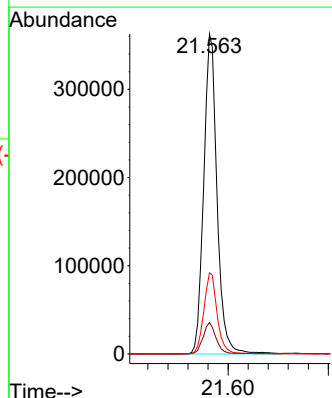
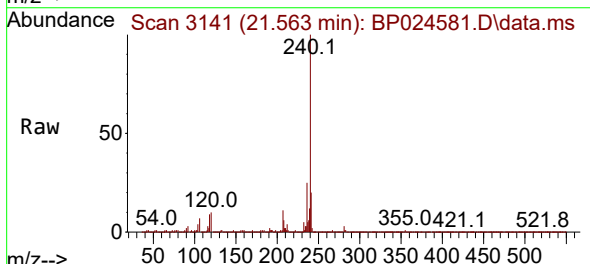
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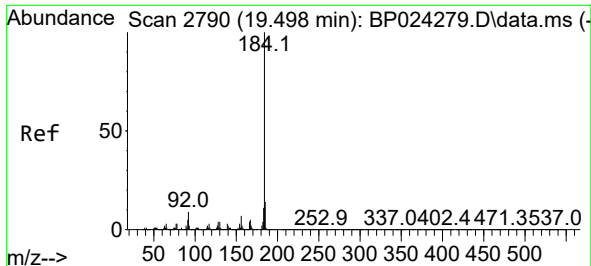
Tgt Ion:188 Resp: 507564
Ion Ratio Lower Upper
188 100
94 8.2 8.6 13.0#
80 8.9 9.8 14.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.563 min Scan# 3141
Delta R.T. -0.029 min
Lab File: BP024581.D
Acq: 08 May 2025 23:43

Tgt Ion:240 Resp: 668848
Ion Ratio Lower Upper
240 100
120 9.8 9.8 14.8#
236 25.3 20.9 31.3

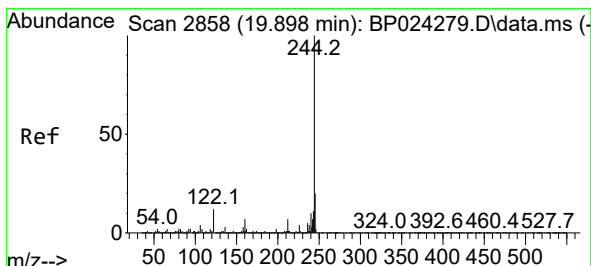
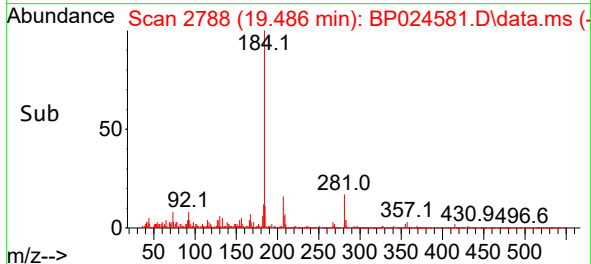
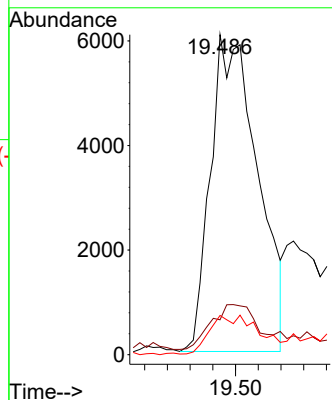
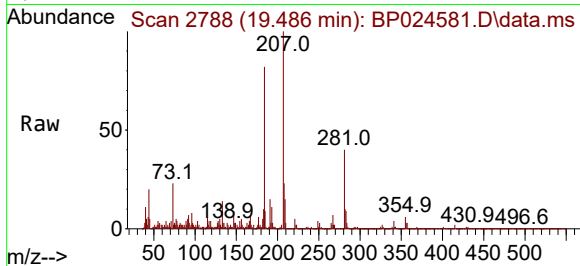




#77
Benzidine
Concen: 2.055 ng
RT: 19.486 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024581.D
Acq: 08 May 2025 23:43

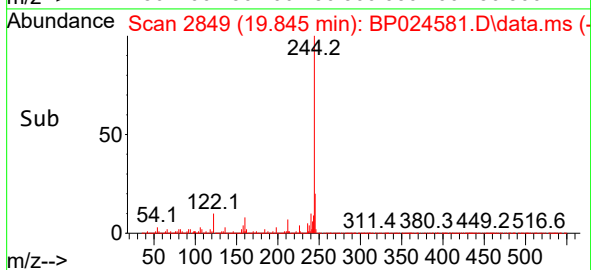
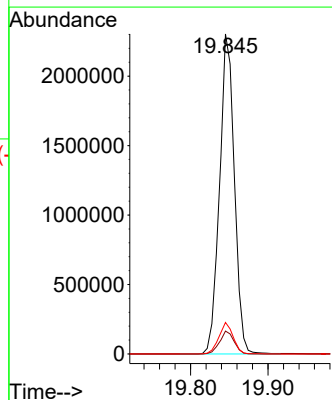
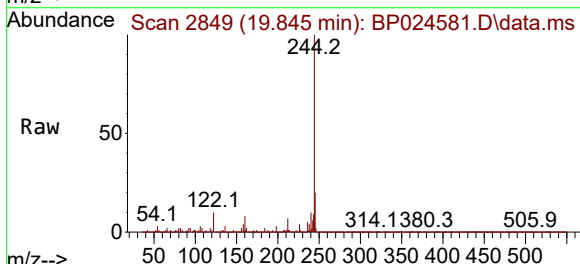
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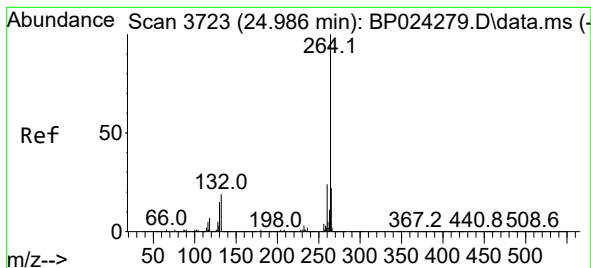
Tgt Ion:184 Resp: 17421
Ion Ratio Lower Upper
184 100
185 10.9 11.6 17.4#
183 12.2 9.2 13.8



#79
Terphenyl-d14
Concen: 92.360 ng
RT: 19.845 min Scan# 2849
Delta R.T. -0.029 min
Lab File: BP024581.D
Acq: 08 May 2025 23:43

Tgt Ion:244 Resp: 3064768
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 9.9 9.4 14.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.880 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP024581.D

Acq: 08 May 2025 23:43

Instrument :

BNA_P

ClientSampleId :

WC-B-7

Tgt Ion:264 Resp: 786646

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 22.1 17.8 26.6

