

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050625\
 Data File : BP024555.D
 Acq On : 06 May 2025 20:31
 Operator : RC/JU
 Sample : Q1960-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11933

Quant Time: May 07 01:12:56 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)

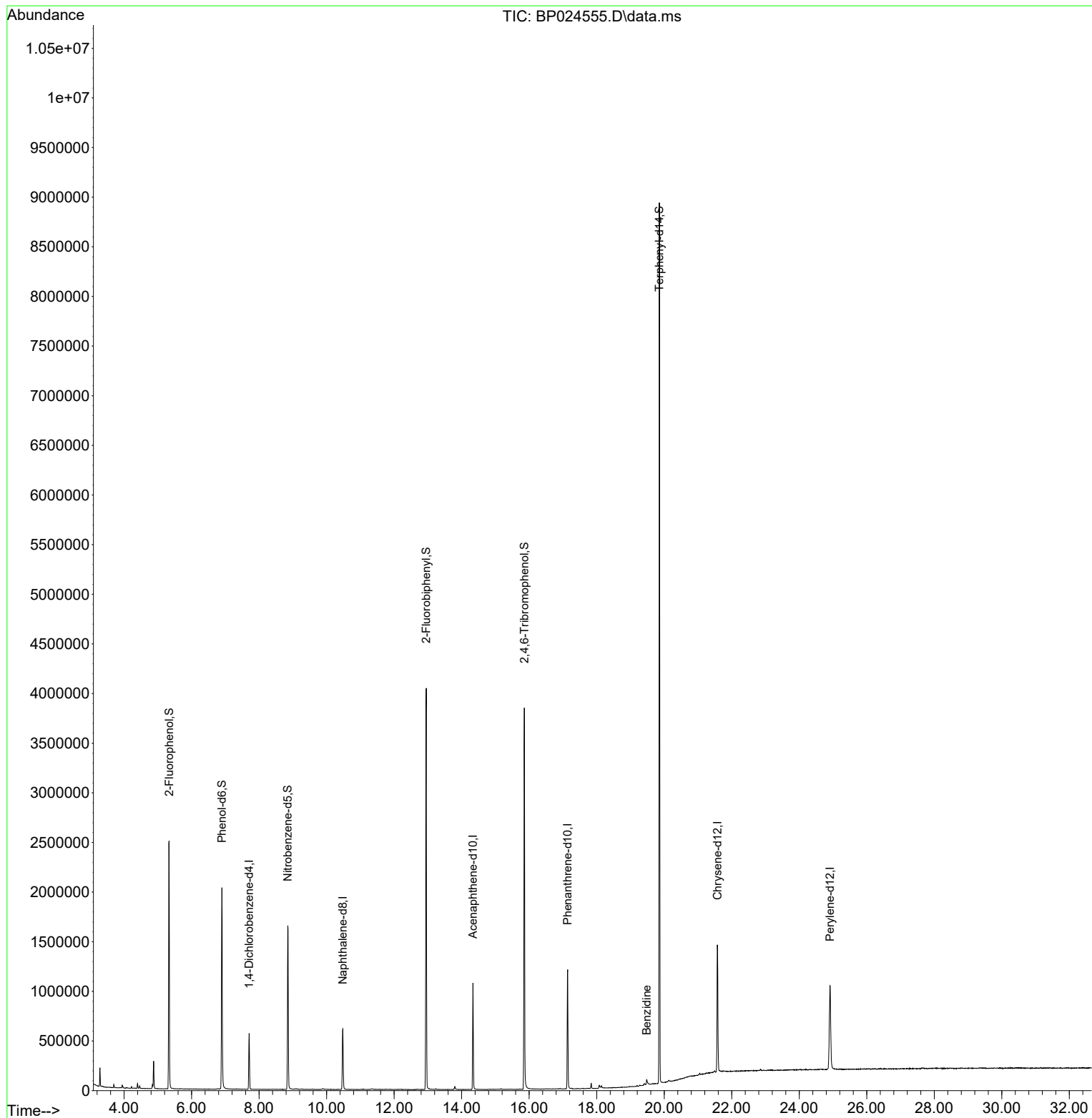
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	149414	20.000	ng	-0.02
21) Naphthalene-d8	10.481	136	583941	20.000	ng	#-0.02
39) Acenaphthene-d10	14.334	164	347084	20.000	ng	-0.02
64) Phenanthrene-d10	17.140	188	744234	20.000	ng	# 0.00
76) Chrysene-d12	21.575	240	850538	20.000	ng	-0.02
86) Perylene-d12	24.916	264	956075	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1110717	122.915	ng	-0.01
7) Phenol-d6	6.899	99	1220329	98.625	ng	-0.01
23) Nitrobenzene-d5	8.852	82	950945	92.859	ng	-0.02
42) 2,4,6-Tribromophenol	15.857	330	811207	168.928	ng	0.00
45) 2-Fluorobiphenyl	12.952	172	2031202	89.604	ng	-0.01
79) Terphenyl-d14	19.857	244	4054804	96.092	ng	-0.02
Target Compounds						
77) Benzidine	19.481	184	49700m	4.610	ng	Qvalue

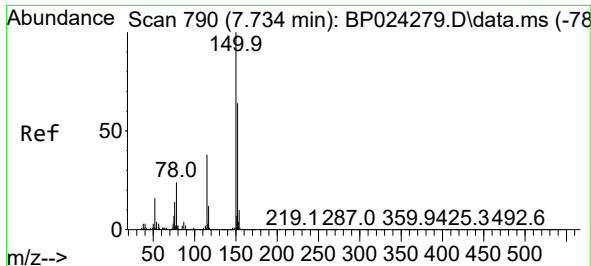
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050625\
Data File : BP024555.D
Acq On : 06 May 2025 20:31
Operator : RC/JU
Sample : Q1960-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
72-11933

Quant Time: May 07 01:12:56 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

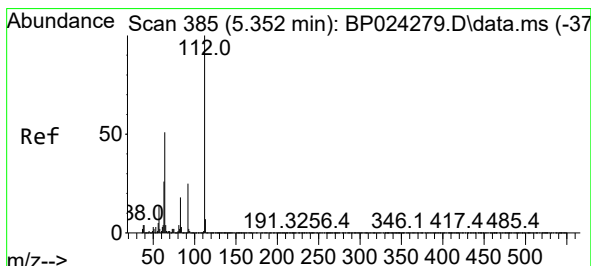
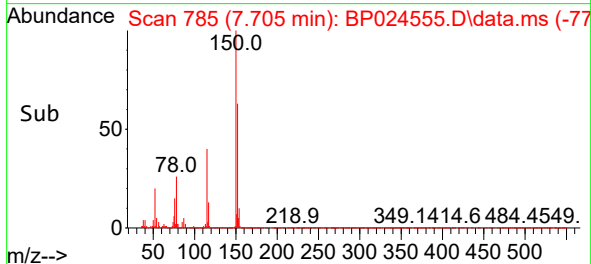
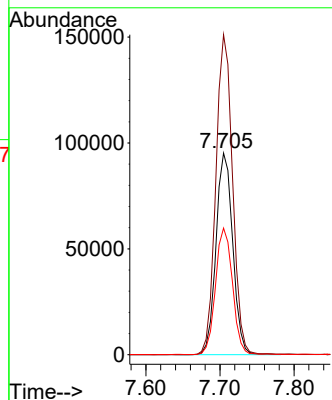
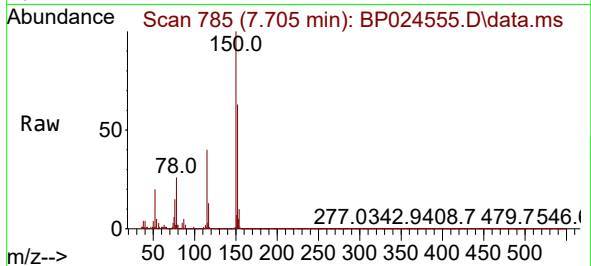




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.705 min Scan# 71
Delta R.T. -0.017 min
Lab File: BP024555.D
Acq: 06 May 2025 20:31

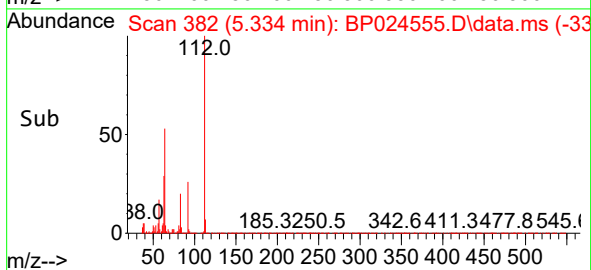
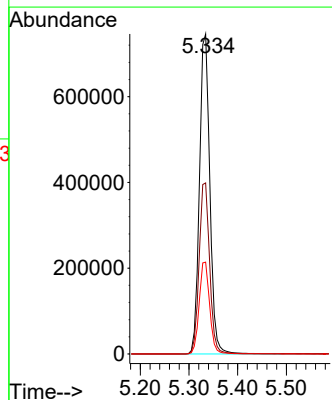
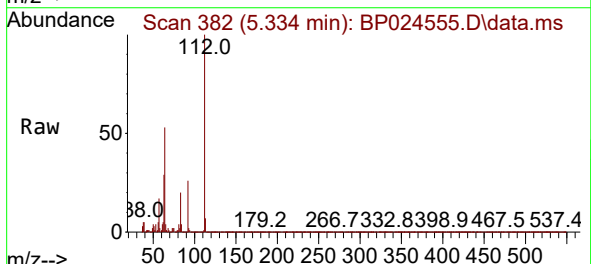
Instrument :
BNA_P
ClientSampleId :
72-11933

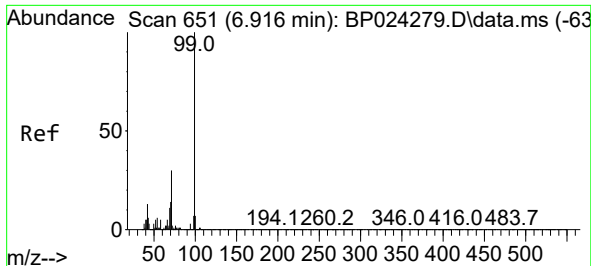
Tgt Ion:152 Resp: 149414
Ion Ratio Lower Upper
152 100
150 158.7 124.9 187.3
115 62.8 47.7 71.5



#5
2-Fluorophenol
Concen: 122.915 ng
RT: 5.334 min Scan# 382
Delta R.T. -0.012 min
Lab File: BP024555.D
Acq: 06 May 2025 20:31

Tgt Ion:112 Resp: 1110717
Ion Ratio Lower Upper
112 100
64 53.4 41.1 61.7
63 28.7 20.6 30.8





#7

Phenol-d6

Concen: 98.625 ng

RT: 6.899 min Scan# 64

Delta R.T. -0.012 min

Lab File: BP024555.D

Acq: 06 May 2025 20:31

Instrument :

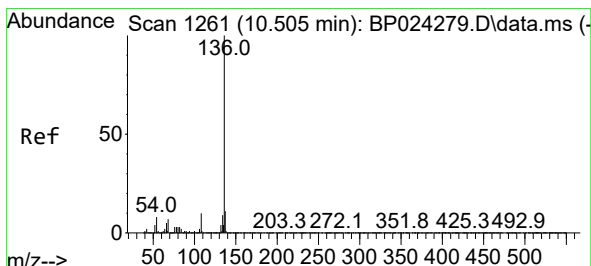
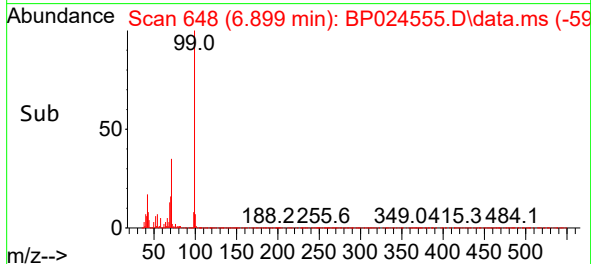
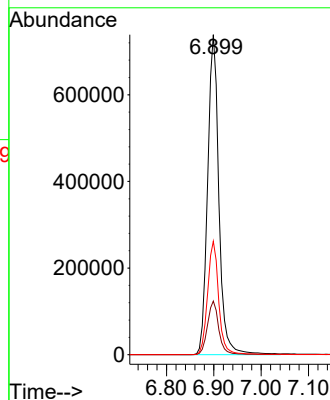
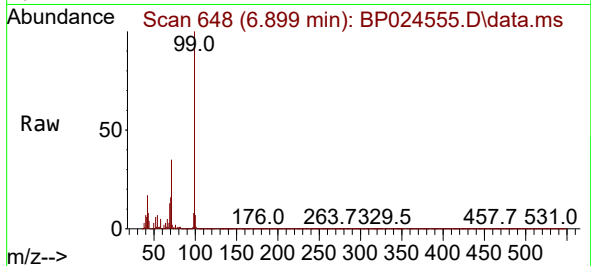
BNA_P

ClientSampleId :

72-11933

Tgt Ion: 99 Resp: 1220329

Ion	Ratio	Lower	Upper
99	100		
42	16.7	10.6	16.0#
71	35.4	23.7	35.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.481 min Scan# 1257

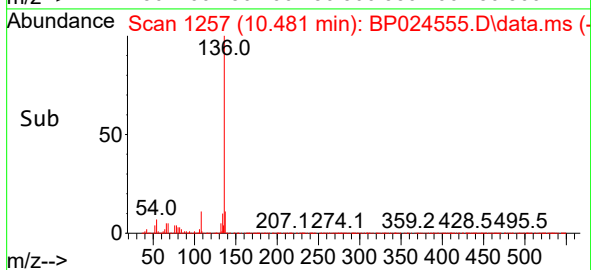
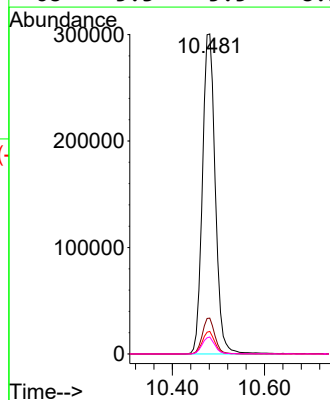
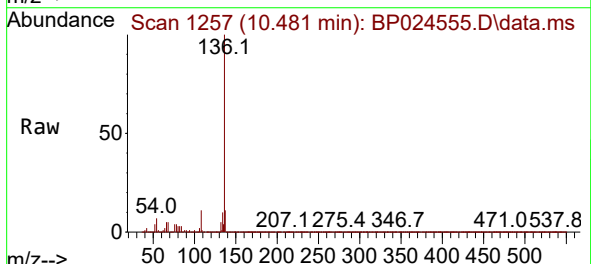
Delta R.T. -0.017 min

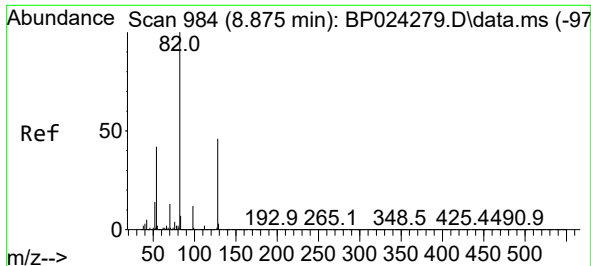
Lab File: BP024555.D

Acq: 06 May 2025 20:31

Tgt Ion:136 Resp: 583941

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.1	6.0	9.0
68	5.3	5.5	8.3#

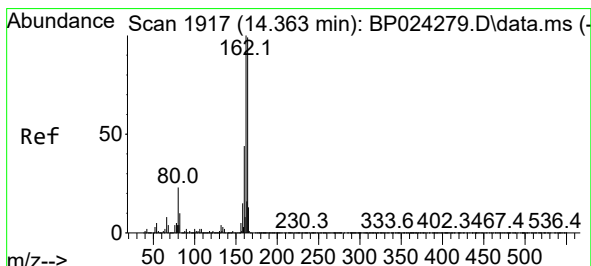
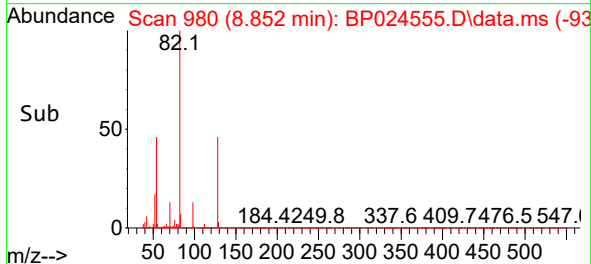
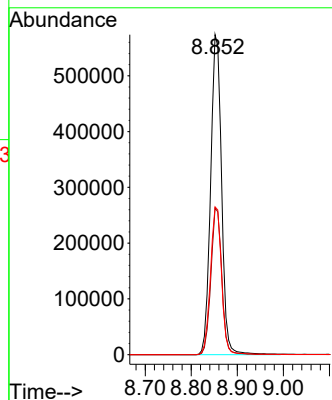
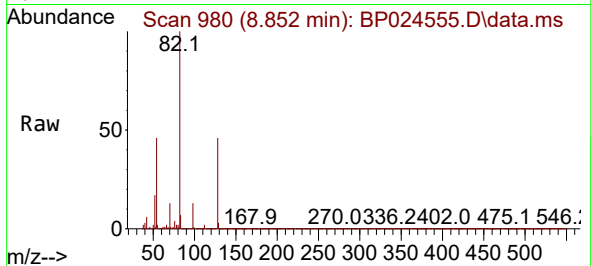




#23
Nitrobenzene-d5
Concen: 92.859 ng
RT: 8.852 min Scan# 91
Delta R.T. -0.017 min
Lab File: BP024555.D
Acq: 06 May 2025 20:31

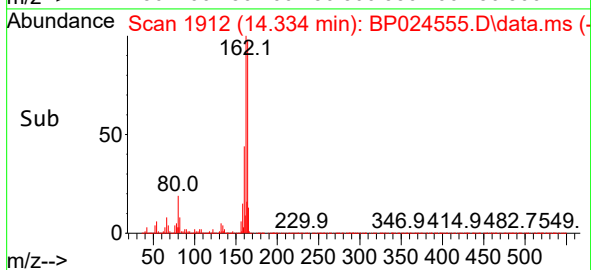
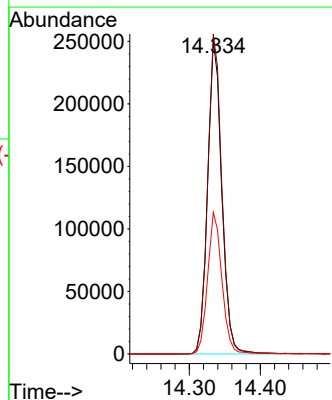
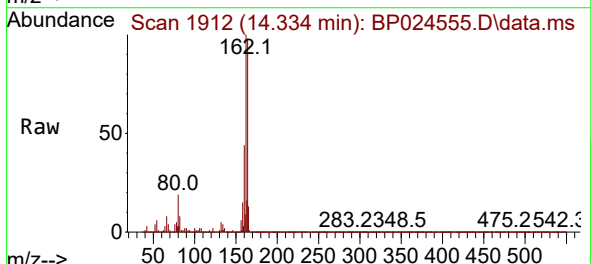
Instrument :
BNA_P
ClientSampleId :
72-11933

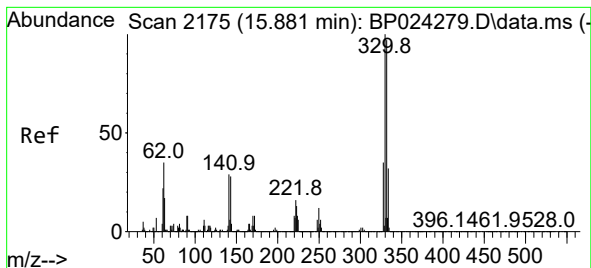
Tgt Ion: 82 Resp: 950945
Ion Ratio Lower Upper
82 100
128 45.8 36.5 54.7
54 46.2 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.334 min Scan# 1912
Delta R.T. -0.017 min
Lab File: BP024555.D
Acq: 06 May 2025 20:31

Tgt Ion: 164 Resp: 347084
Ion Ratio Lower Upper
164 100
162 102.1 80.6 120.8
160 45.2 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 168.928 ng

RT: 15.857 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024555.D

Acq: 06 May 2025 20:31

Instrument :

BNA_P

ClientSampleId :

72-11933

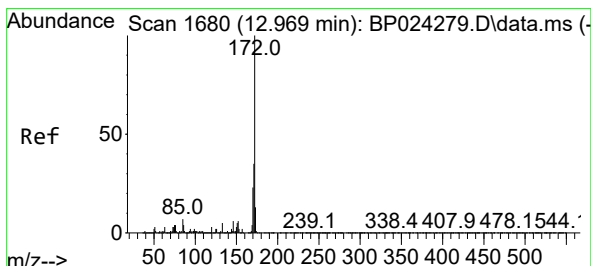
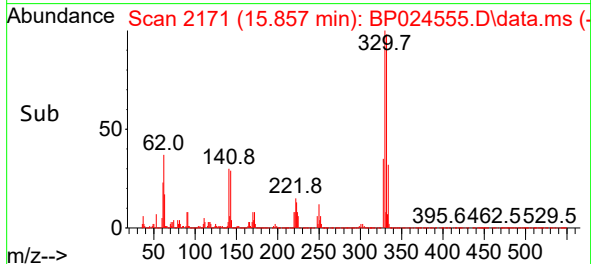
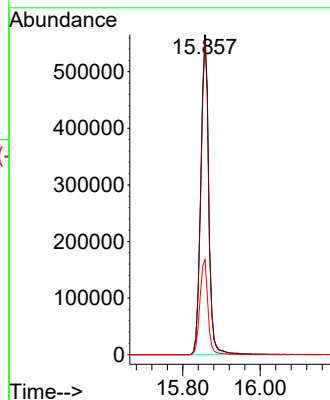
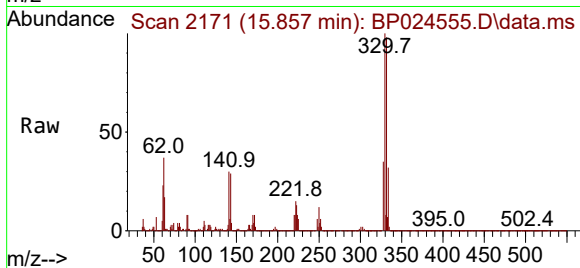
Tgt Ion:330 Resp: 811207

Ion Ratio Lower Upper

330 100

332 97.4 77.1 115.7

141 29.9 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 89.604 ng

RT: 12.952 min Scan# 1677

Delta R.T. -0.012 min

Lab File: BP024555.D

Acq: 06 May 2025 20:31

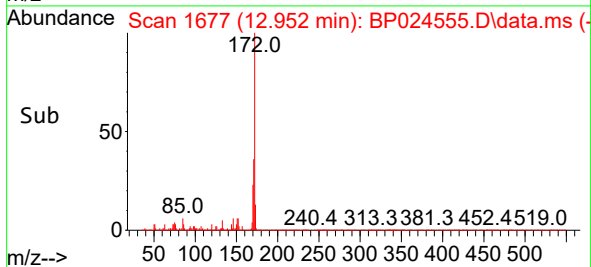
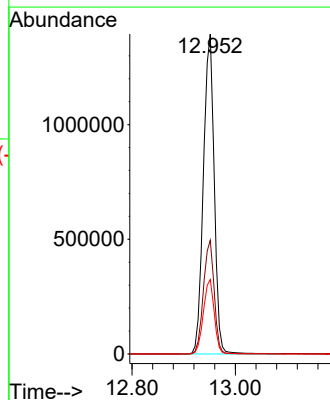
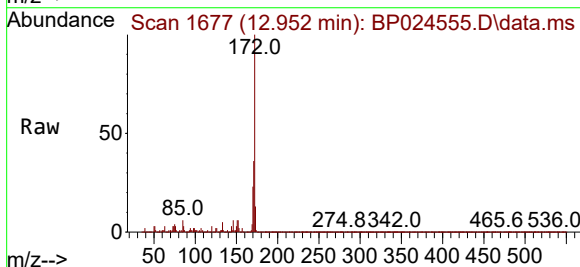
Tgt Ion:172 Resp: 2031202

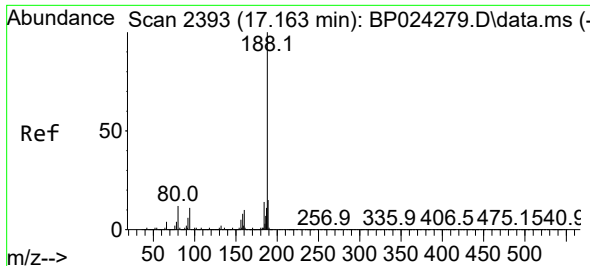
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.2

170 23.2 18.6 27.8

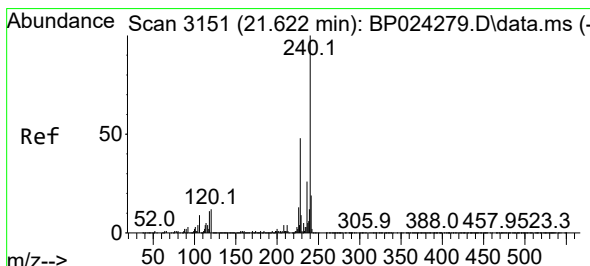
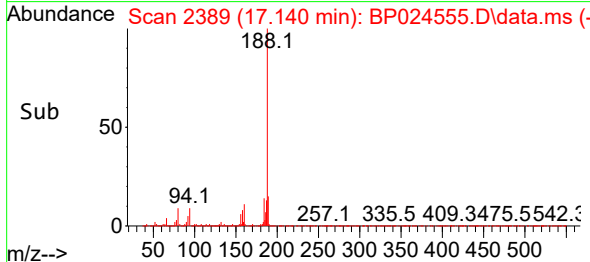
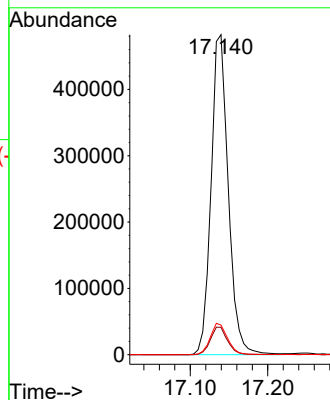
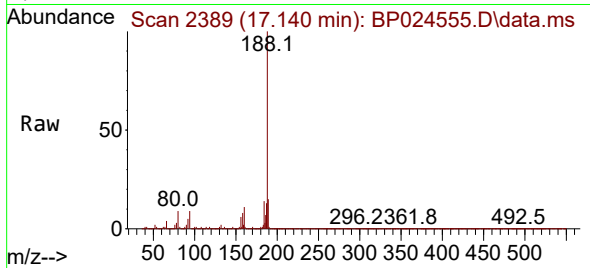




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.140 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024555.D
Acq: 06 May 2025 20:31

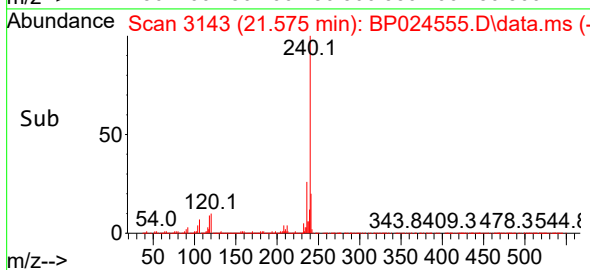
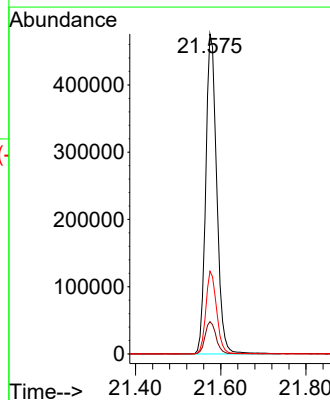
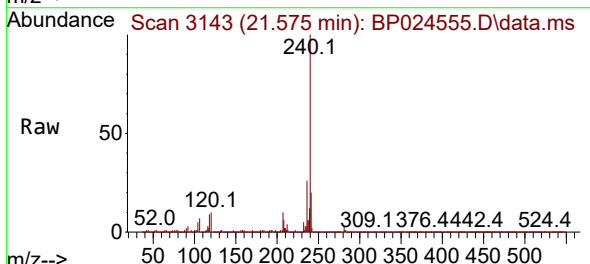
Instrument :
BNA_P
ClientSampleId :
72-11933

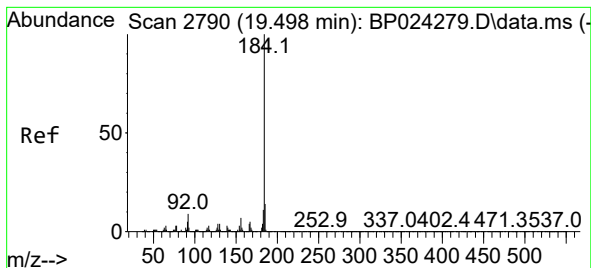
Tgt Ion:188 Resp: 744234
Ion Ratio Lower Upper
188 100
94 8.5 8.6 13.0#
80 9.2 9.8 14.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.575 min Scan# 3143
Delta R.T. -0.017 min
Lab File: BP024555.D
Acq: 06 May 2025 20:31

Tgt Ion:240 Resp: 850538
Ion Ratio Lower Upper
240 100
120 10.1 9.8 14.8
236 25.8 20.9 31.3





#77

Benzidine

Concen: 4.610 ng m

RT: 19.481 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024555.D

Acq: 06 May 2025 20:31

Instrument :

BNA_P

ClientSampleId :

72-11933

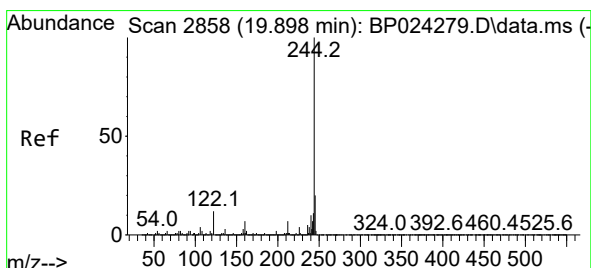
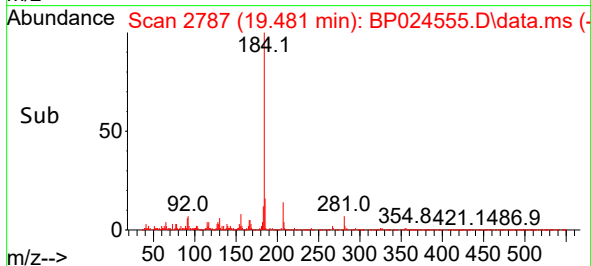
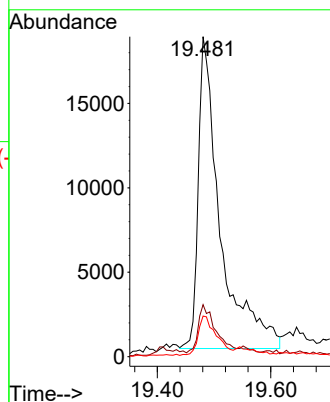
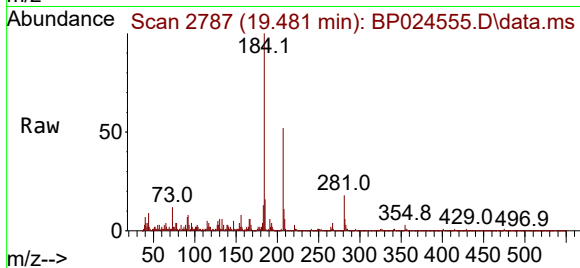
Tgt Ion:184 Resp: 49700

Ion Ratio Lower Upper

184 100

185 16.2 11.6 17.4

183 12.7 9.2 13.8



#79

Terphenyl-d14

Concen: 96.092 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.017 min

Lab File: BP024555.D

Acq: 06 May 2025 20:31

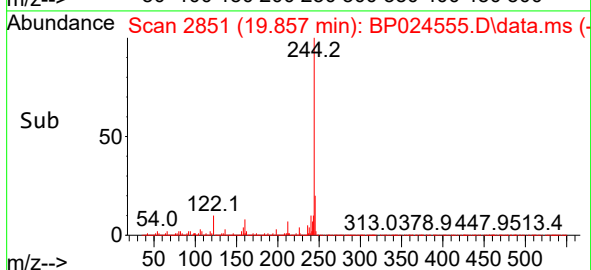
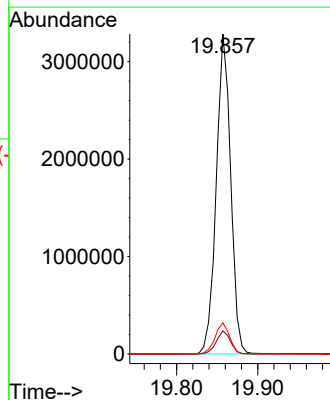
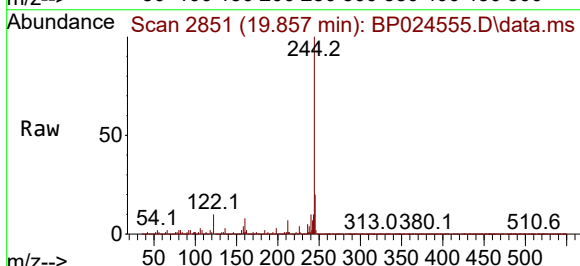
Tgt Ion:244 Resp: 4054804

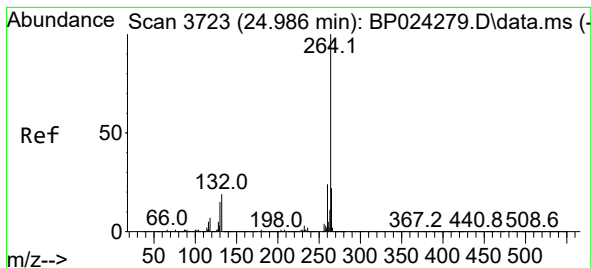
Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 9.7 9.4 14.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.916 min Scan# 31

Delta R.T. -0.017 min

Lab File: BP024555.D

Acq: 06 May 2025 20:31

Instrument :

BNA_P

ClientSampleId :

72-11933

Tgt Ion:264 Resp: 956075

Ion Ratio Lower Upper

264 100

260 23.3 18.9 28.3

265 21.8 17.8 26.6

