

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090225\
 Data File : BP025640.D
 Acq On : 02 Sep 2025 16:15
 Operator : CG/JU
 Sample : Q2989-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOUTH-TP-5

Quant Time: Sep 02 16:37:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

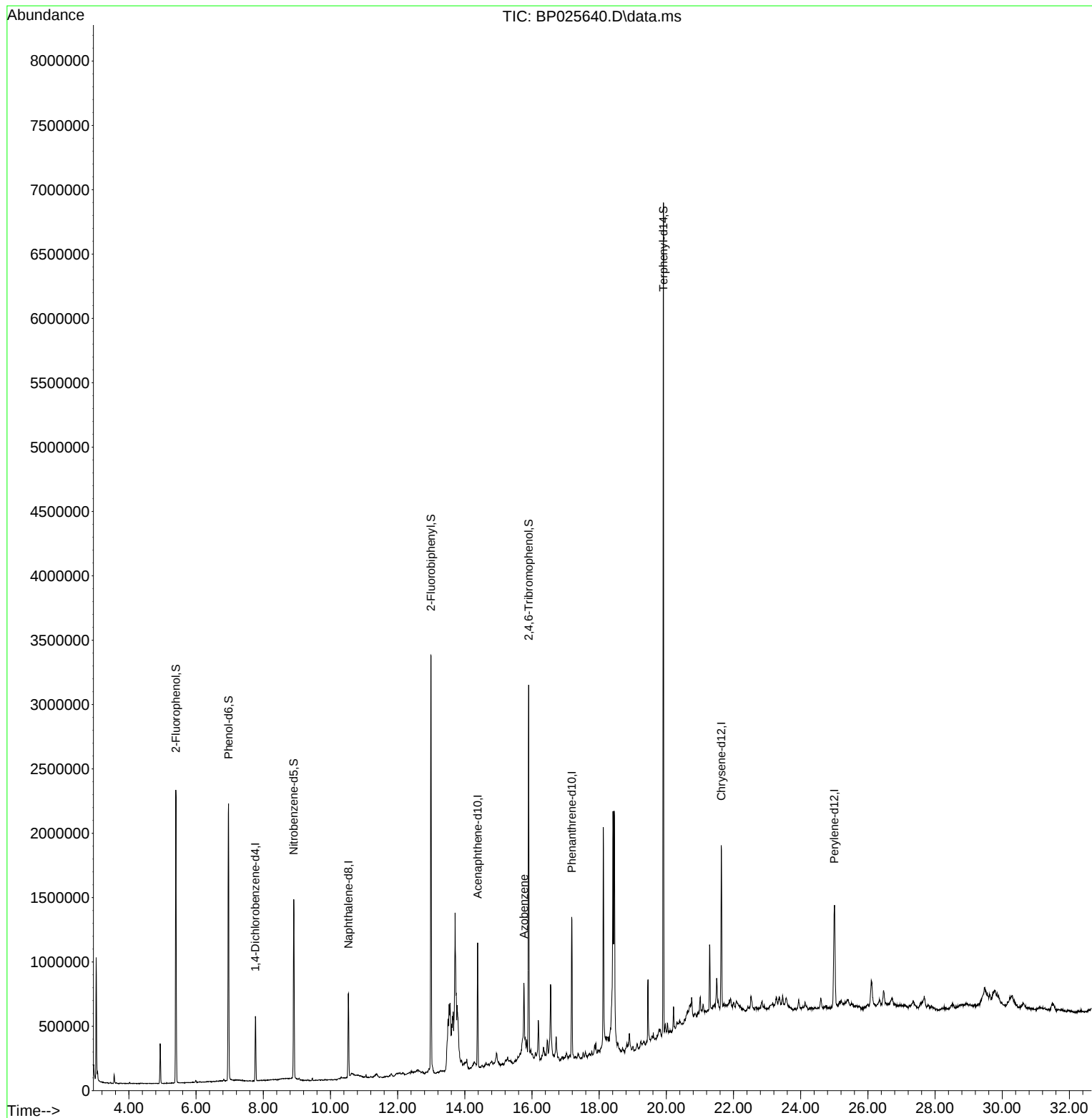
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	139258	20.000	ng	-0.03
21) Naphthalene-d8	10.537	136	550057	20.000	ng	#-0.02
39) Acenaphthene-d10	14.383	164	337258	20.000	ng	-0.02
64) Phenanthrene-d10	17.183	188	691724	20.000	ng	-0.02
76) Chrysene-d12	21.636	240	776078	20.000	ng	-0.01
86) Perylene-d12	25.001	264	903141	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	973822	116.132	ng	0.00
7) Phenol-d6	6.966	99	1240152	115.353	ng	0.00
23) Nitrobenzene-d5	8.907	82	790045	72.656	ng	-0.03
42) 2,4,6-Tribromophenol	15.901	330	570525	125.680	ng	-0.01
45) 2-Fluorobiphenyl	12.995	172	1713680	69.444	ng	-0.02
79) Terphenyl-d14	19.913	244	2869899	67.657	ng	0.00
Target Compounds						
63) Azobenzene	15.760	77	126360	5.881	ng	Qvalue # 1

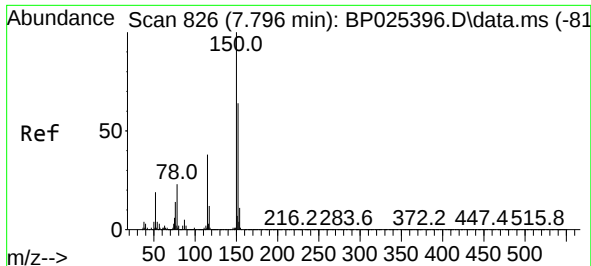
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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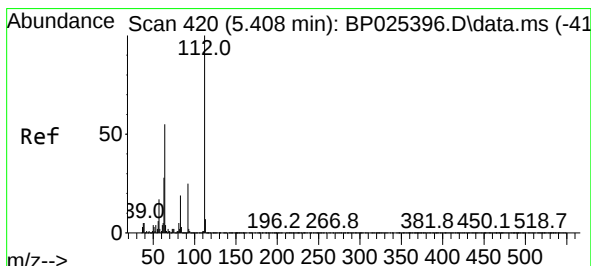
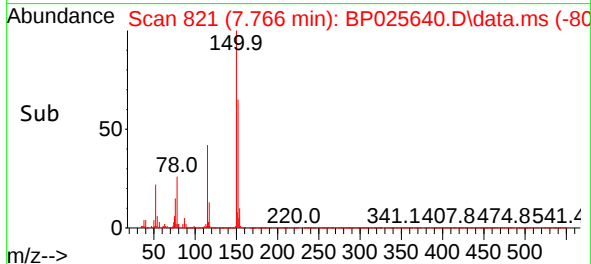
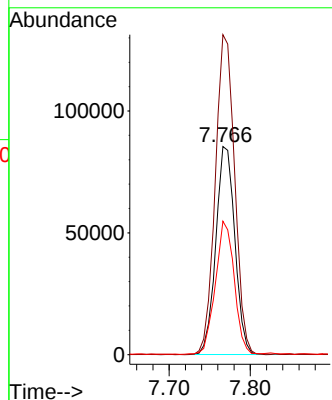
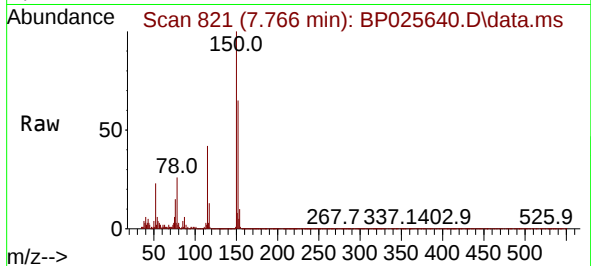




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.766 min Scan# 81
Delta R.T. -0.030 min
Lab File: BP025640.D
Acq: 02 Sep 2025 16:15

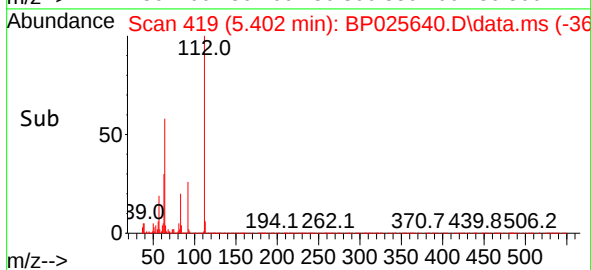
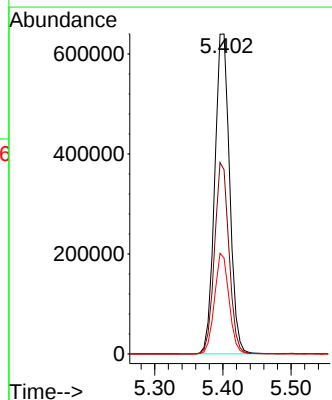
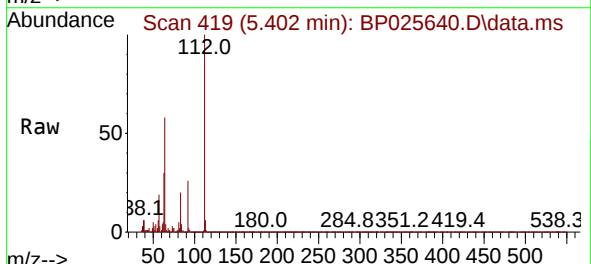
Instrument :
BNA_P
ClientSampleId :
SOUTH-TP-5

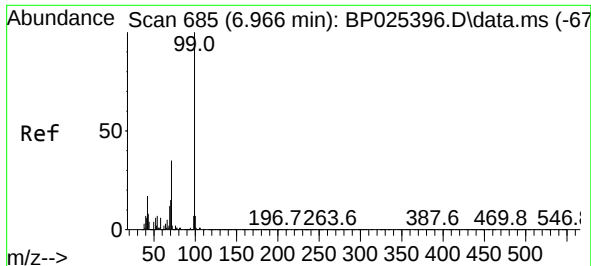
Tgt Ion:152 Resp: 139258
Ion Ratio Lower Upper
152 100
150 153.7 125.9 188.9
115 64.1 48.5 72.7



#5
2-Fluorophenol
Concen: 116.132 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025640.D
Acq: 02 Sep 2025 16:15

Tgt Ion:112 Resp: 973822
Ion Ratio Lower Upper
112 100
64 57.6 43.8 65.8
63 30.0 22.7 34.1



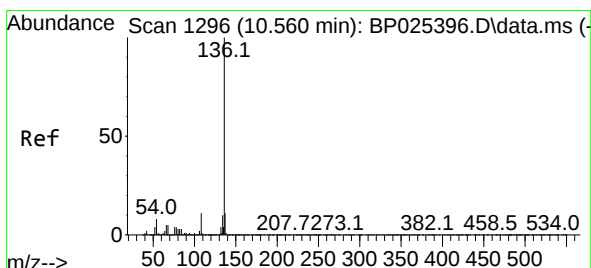
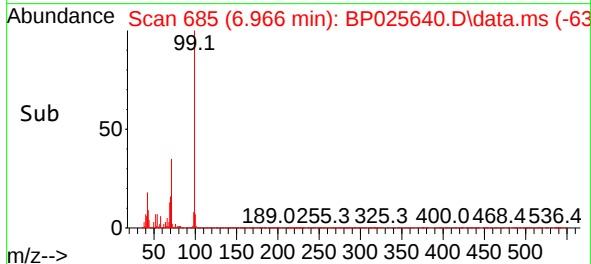
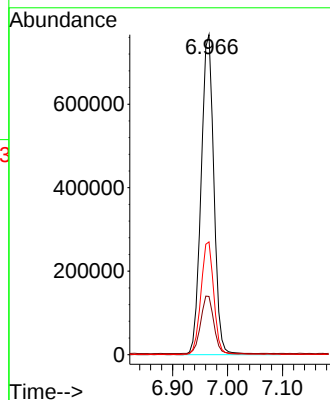
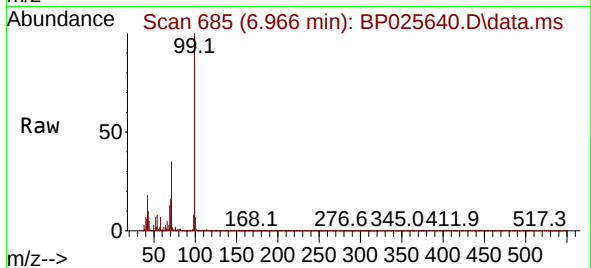


#7
Phenol-d6
Concen: 115.353 ng
RT: 6.966 min Scan# 685
Delta R.T. -0.000 min
Lab File: BP025640.D
Acq: 02 Sep 2025 16:15

Instrument :
BNA_P
ClientSampleId :
SOUTH-TP-5

Tgt Ion: 99 Resp: 1240152

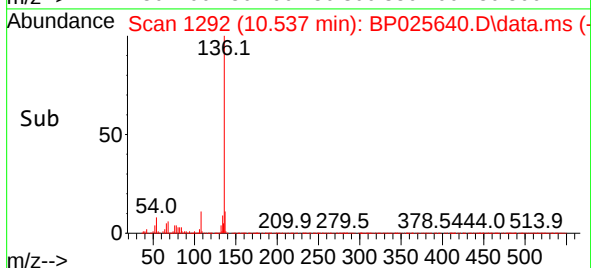
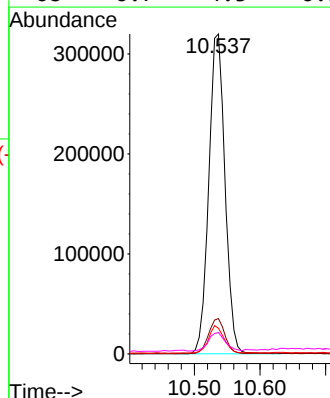
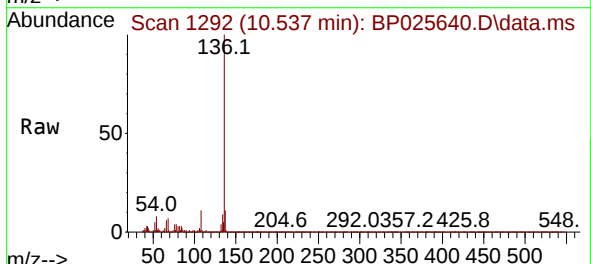
Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.7	20.5
71	35.3	28.2	42.4

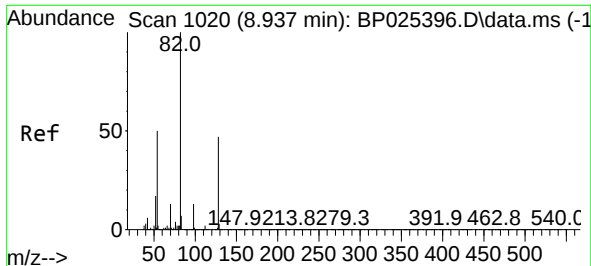


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.537 min Scan# 1292
Delta R.T. -0.024 min
Lab File: BP025640.D
Acq: 02 Sep 2025 16:15

Tgt Ion: 136 Resp: 550057

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	8.0	6.0	9.0
68	6.7	4.3	6.5

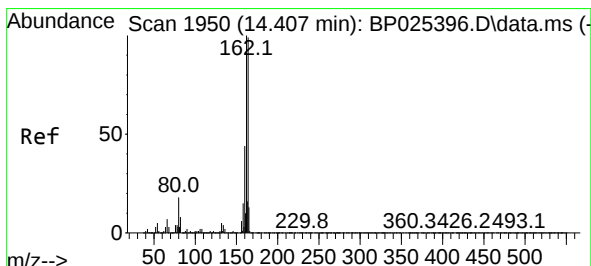
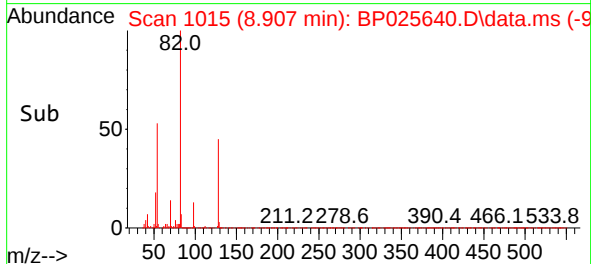
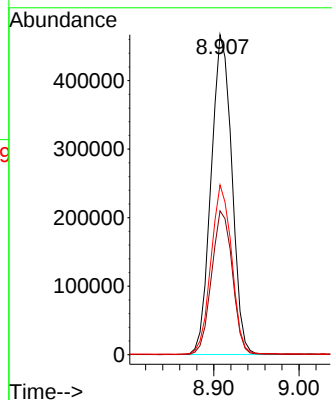
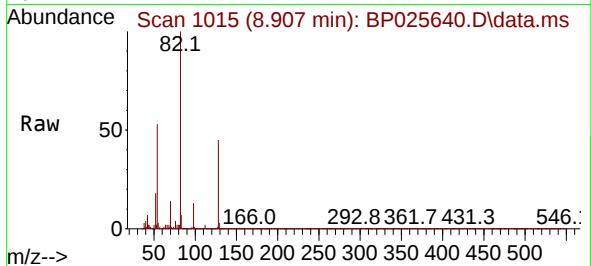




#23
Nitrobenzene-d5
Concen: 72.656 ng
RT: 8.907 min Scan# 1020
Delta R.T. -0.029 min
Lab File: BP025640.D
Acq: 02 Sep 2025 16:15

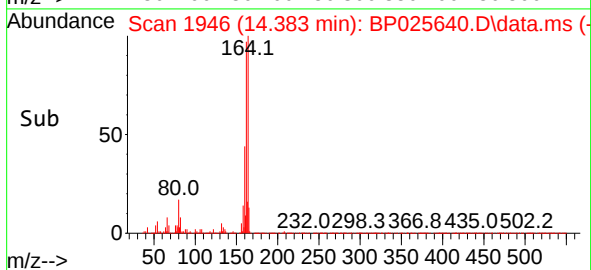
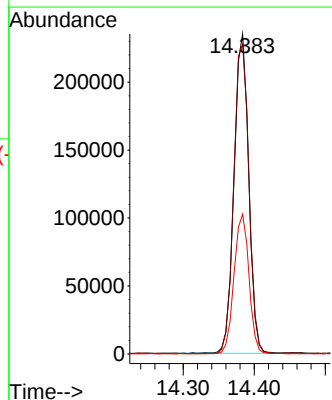
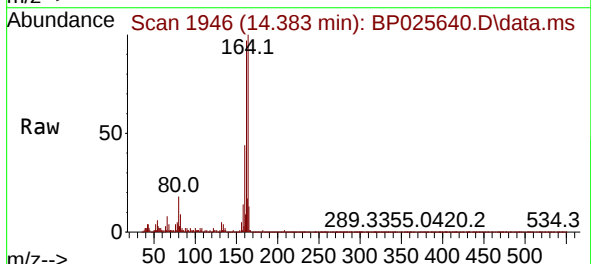
Instrument :
BNA_P
ClientSampleId :
SOUTH-TP-5

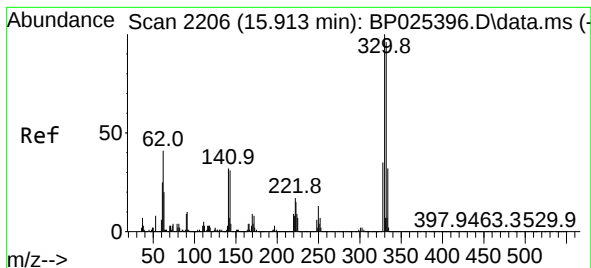
Tgt Ion: 82 Resp: 790045
Ion Ratio Lower Upper
82 100
128 44.9 37.7 56.5
54 53.1 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.383 min Scan# 1946
Delta R.T. -0.024 min
Lab File: BP025640.D
Acq: 02 Sep 2025 16:15

Tgt Ion:164 Resp: 337258
Ion Ratio Lower Upper
164 100
162 96.8 81.0 121.6
160 43.7 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 125.680 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025640.D

Acq: 02 Sep 2025 16:15

Instrument :

BNA_P

ClientSampleId :

SOUTH-TP-5

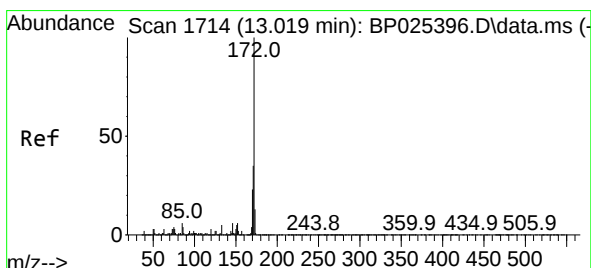
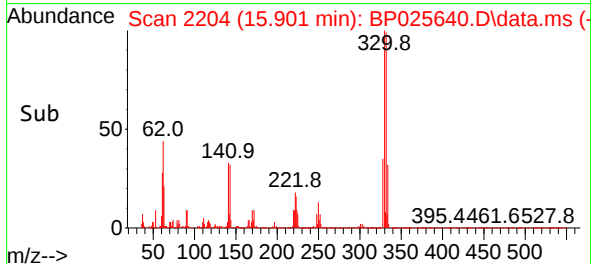
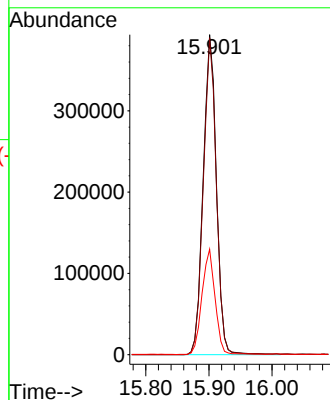
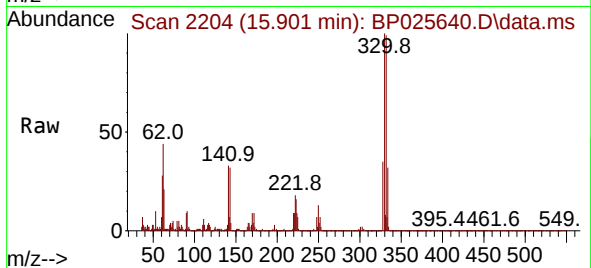
Tgt Ion:330 Resp: 570525

Ion Ratio Lower Upper

330 100

332 97.4 77.3 115.9

141 32.7 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 69.444 ng

RT: 12.995 min Scan# 1710

Delta R.T. -0.024 min

Lab File: BP025640.D

Acq: 02 Sep 2025 16:15

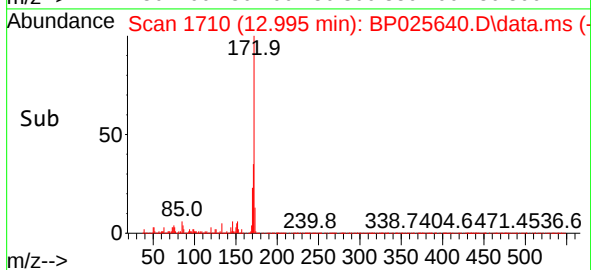
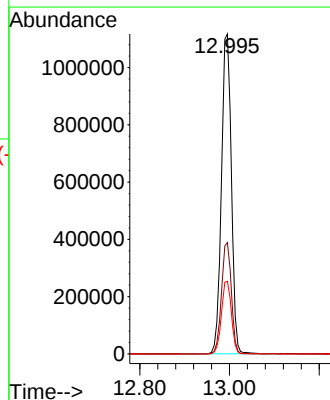
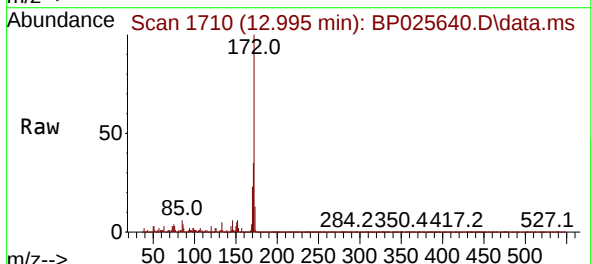
Tgt Ion:172 Resp: 1713680

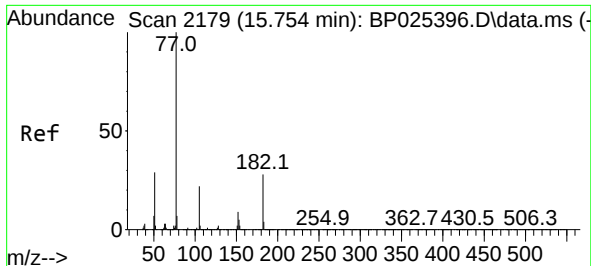
Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 22.7 18.6 28.0

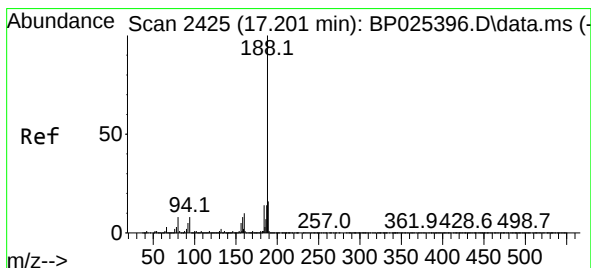
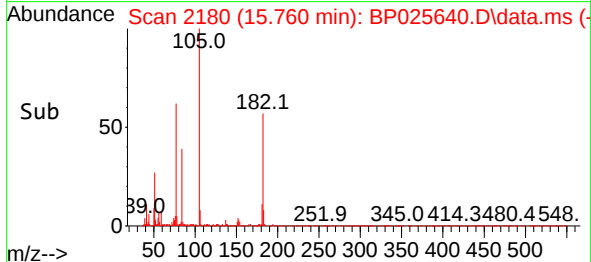
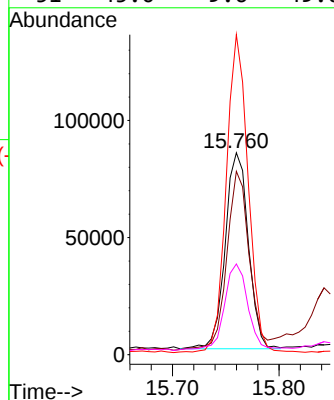
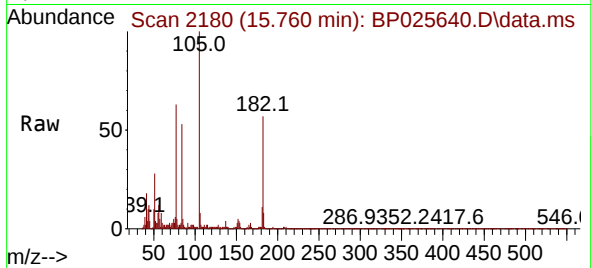




#63
Azobenzene
Concen: 5.881 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025640.D
Acq: 02 Sep 2025 16:15

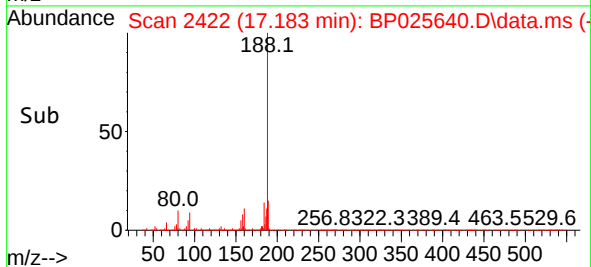
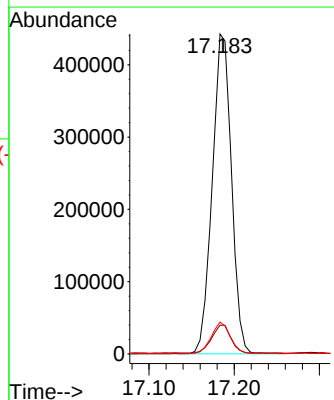
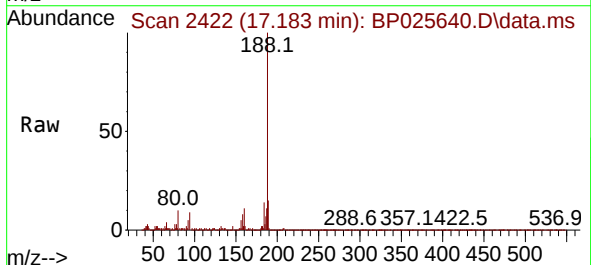
Instrument :
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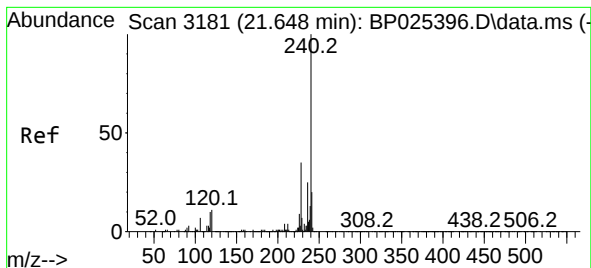
Tgt Ion: 77 Resp: 126360
Ion Ratio Lower Upper
77 100
182 90.8 7.5 47.5#
105 158.5 2.1 42.1#
51 45.0 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.183 min Scan# 2422
Delta R.T. -0.018 min
Lab File: BP025640.D
Acq: 02 Sep 2025 16:15

Tgt Ion:188 Resp: 691724
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.9 6.7 10.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 3181

Delta R.T. -0.012 min

Lab File: BP025640.D

Acq: 02 Sep 2025 16:15

Instrument :

BNA_P

ClientSampleId :

SOUTH-TP-5

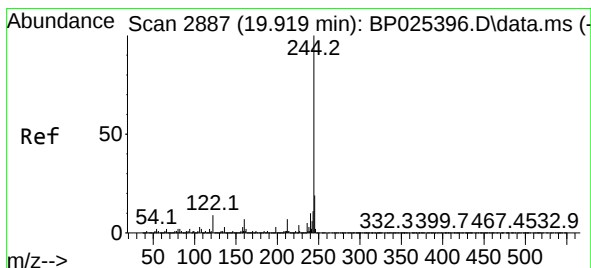
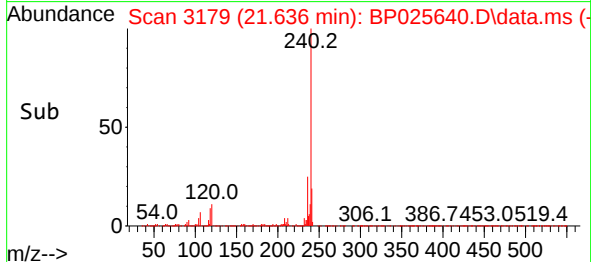
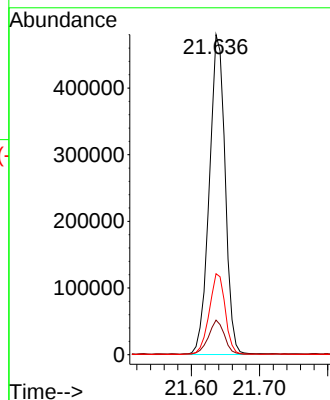
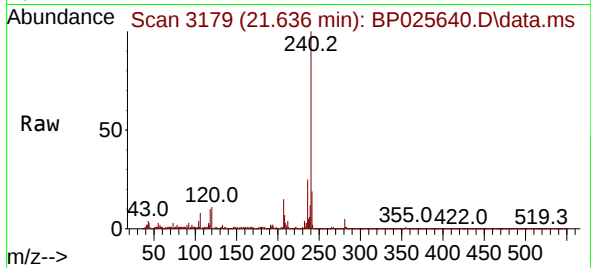
Tgt Ion:240 Resp: 776078

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

236 25.3 19.8 29.8



#79

Terphenyl-d14

Concen: 67.657 ng

RT: 19.913 min Scan# 2886

Delta R.T. -0.006 min

Lab File: BP025640.D

Acq: 02 Sep 2025 16:15

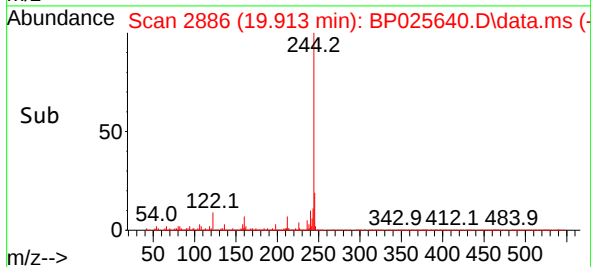
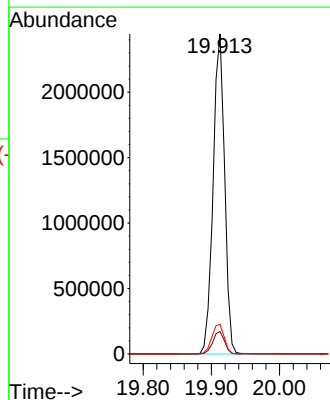
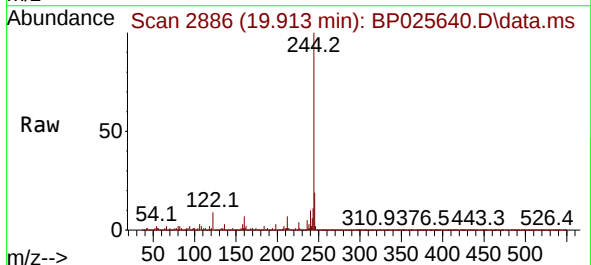
Tgt Ion:244 Resp: 2869899

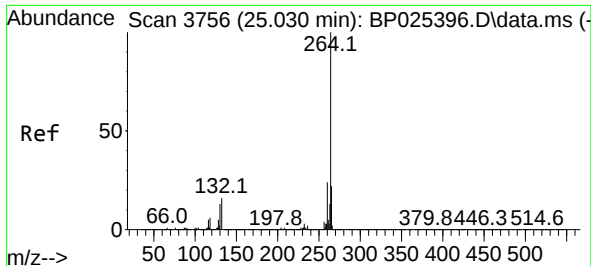
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 9.2 7.4 11.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP025640.D
Acq: 02 Sep 2025 16:15

Instrument :
BNA_P
ClientSampleId :
SOUTH-TP-5

Tgt Ion:264 Resp: 903141

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	22.6	17.4	26.0

