

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091625\
 Data File : BP025764.D
 Acq On : 16 Sep 2025 19:15
 Operator : CG/JU
 Sample : Q3105-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FREEZE-PIT-SAMPLES

Quant Time: Sep 17 05:11:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

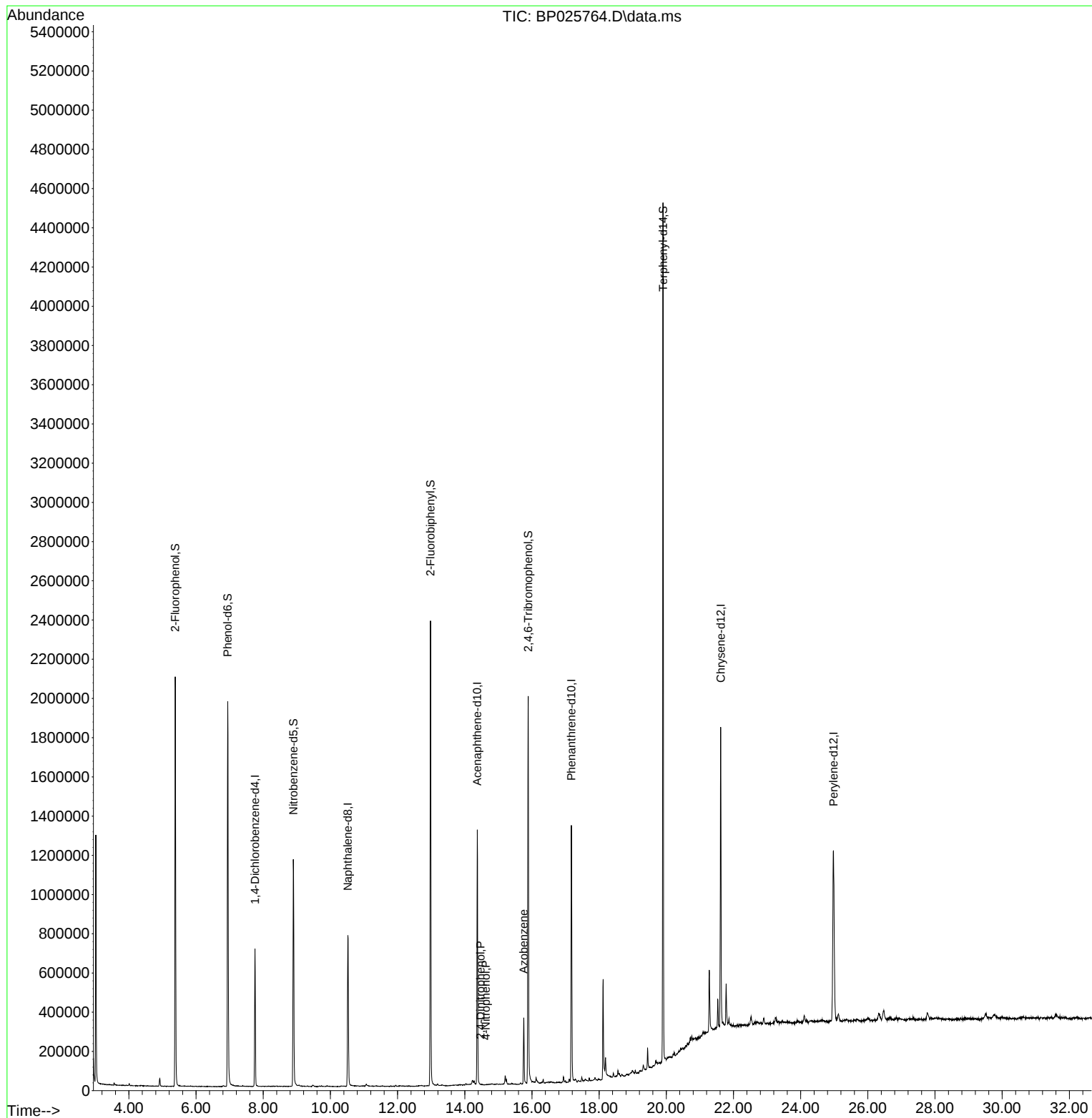
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.755	152	185453	20.000	ng	0.00
21) Naphthalene-d8	10.519	136	706740	20.000	ng	0.00
39) Acenaphthene-d10	14.372	164	443665	20.000	ng	0.00
64) Phenanthrene-d10	17.172	188	856804	20.000	ng	-0.01
76) Chrysene-d12	21.619	240	875283	20.000	ng	-0.02
86) Perylene-d12	24.977	264	962472	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.378	112	903718	78.629	ng	0.00
7) Phenol-d6	6.943	99	1169514	76.554	ng	0.00
23) Nitrobenzene-d5	8.896	82	718685	44.857	ng	0.00
42) 2,4,6-Tribromophenol	15.890	330	415587	75.099	ng	-0.02
45) 2-Fluorobiphenyl	12.978	172	1323361	39.716	ng	-0.01
79) Terphenyl-d14	19.901	244	2156337	44.320	ng	-0.01
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.466	184	46	4.834	ng	# 1
56) 4-Nitrophenol	14.625	139	65	4.492	ng	# 40
63) Azobenzene	15.754	77	101179	3.046	ng	# 1

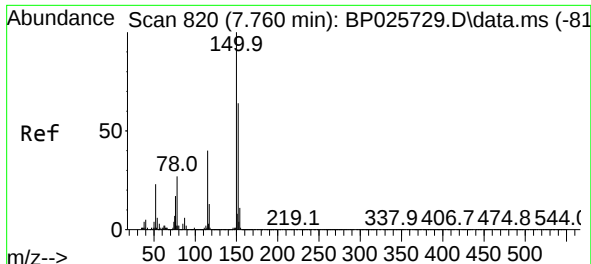
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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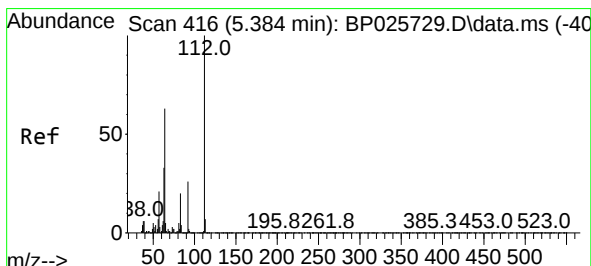
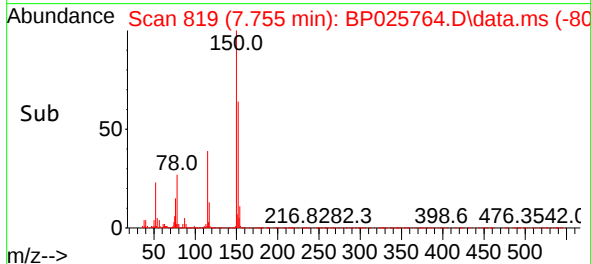
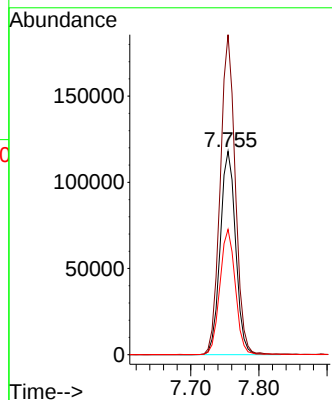
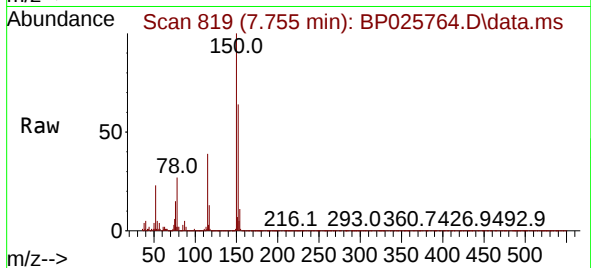




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.755 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP025764.D
Acq: 16 Sep 2025 19:15

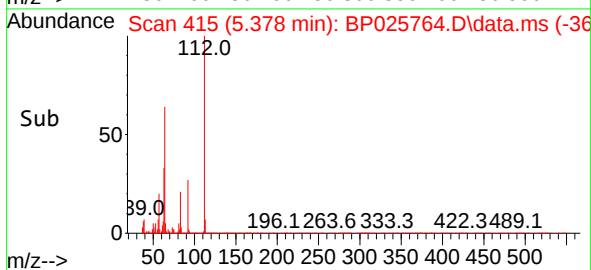
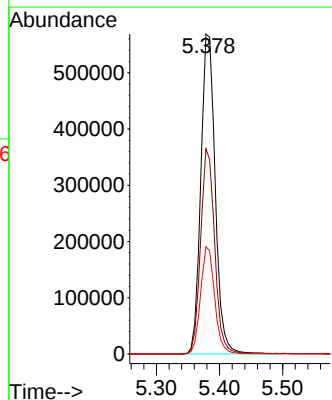
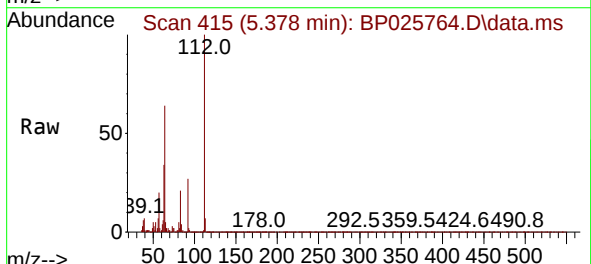
Instrument :
BNA_P
ClientSampleId :
FREEZE-PIT-SAMPLES

Tgt Ion:152 Resp: 185453
Ion Ratio Lower Upper
152 100
150 157.4 124.3 186.5
115 61.6 50.3 75.5



#5
2-Fluorophenol
Concen: 78.629 ng
RT: 5.378 min Scan# 415
Delta R.T. -0.006 min
Lab File: BP025764.D
Acq: 16 Sep 2025 19:15

Tgt Ion:112 Resp: 903718
Ion Ratio Lower Upper
112 100
64 64.1 50.2 75.4
63 33.5 26.7 40.1





#7

Phenol-d6

Concen: 76.554 ng

RT: 6.943 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP025764.D

Acq: 16 Sep 2025 19:15

Instrument :

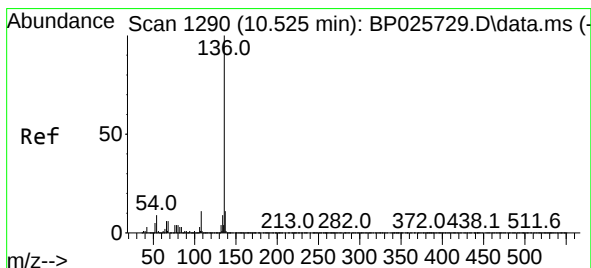
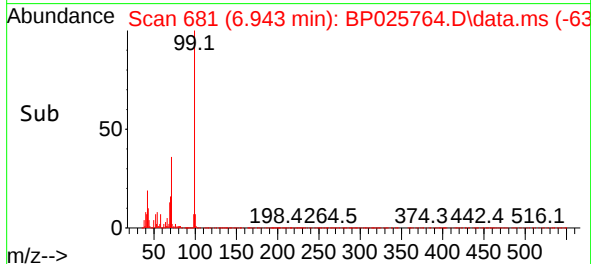
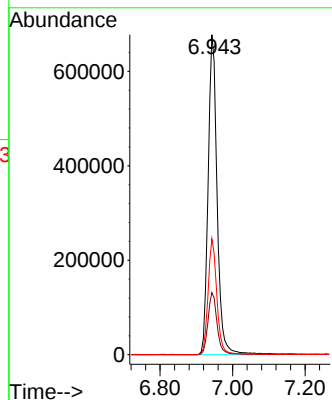
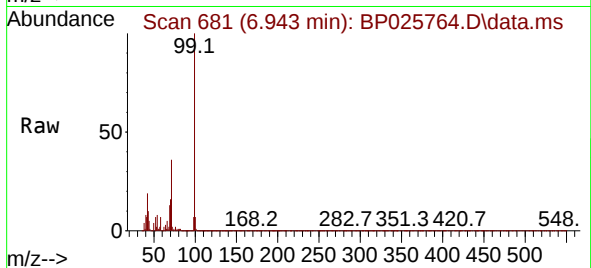
BNA_P

ClientSampleId :

FREEZE-PIT-SAMPLES

Tgt Ion: 99 Resp: 1169514

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.6	23.4
71	36.3	28.6	43.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.519 min Scan# 1289

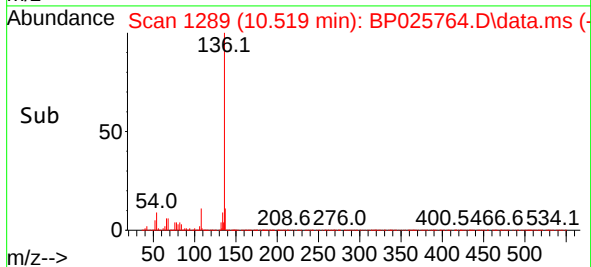
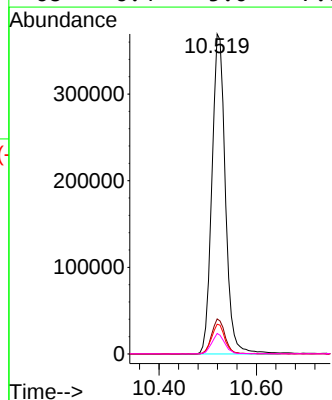
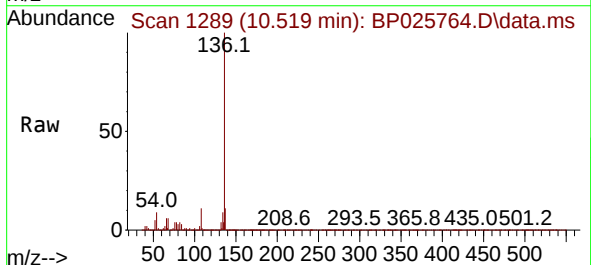
Delta R.T. -0.006 min

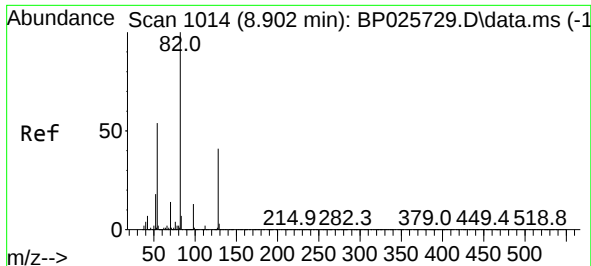
Lab File: BP025764.D

Acq: 16 Sep 2025 19:15

Tgt Ion:136 Resp: 706740

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.3	7.5	11.3
68	6.4	5.0	7.6

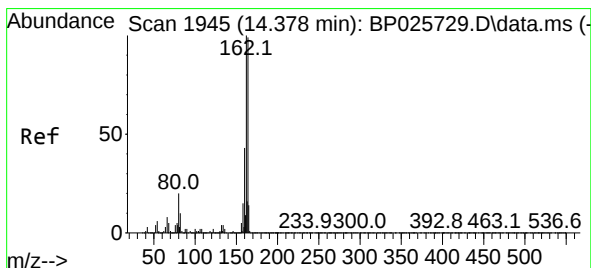
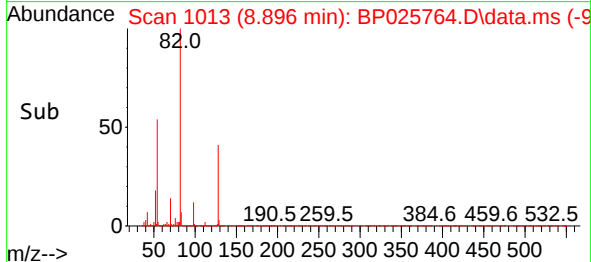
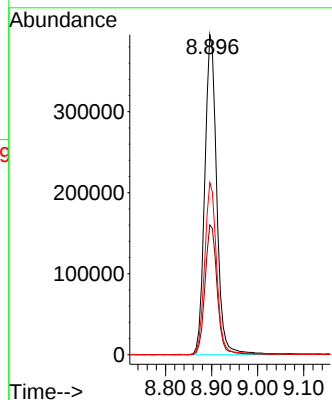
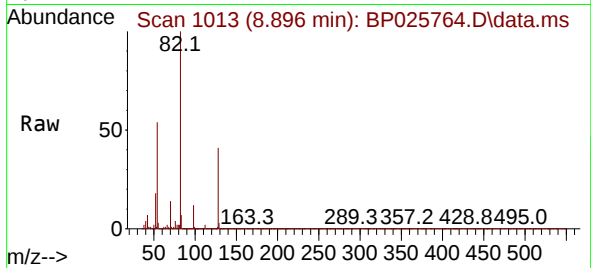




#23
Nitrobenzene-d5
Concen: 44.857 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025764.D
Acq: 16 Sep 2025 19:15

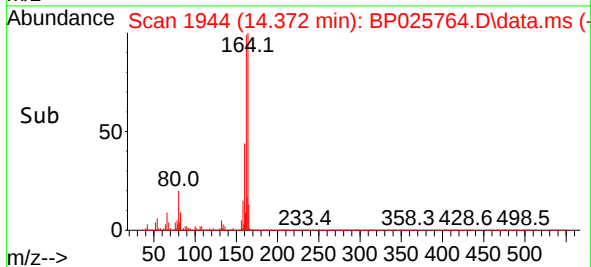
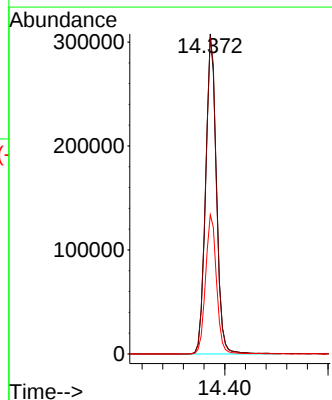
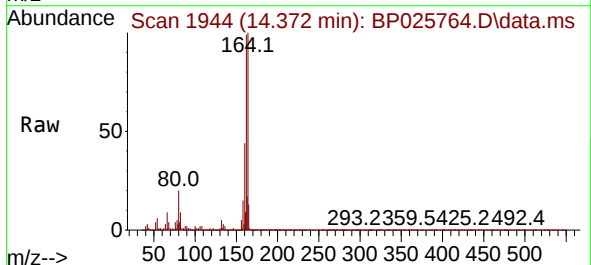
Instrument :
BNA_P
ClientSampleId :
FREEZE-PIT-SAMPLES

Tgt Ion: 82 Resp: 718685
Ion Ratio Lower Upper
82 100
128 40.5 32.9 49.3
54 53.8 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP025764.D
Acq: 16 Sep 2025 19:15

Tgt Ion:164 Resp: 443665
Ion Ratio Lower Upper
164 100
162 99.1 80.6 120.8
160 43.5 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 75.099 ng

RT: 15.890 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025764.D

Acq: 16 Sep 2025 19:15

Instrument :

BNA_P

ClientSampleId :

FREEZE-PIT-SAMPLES

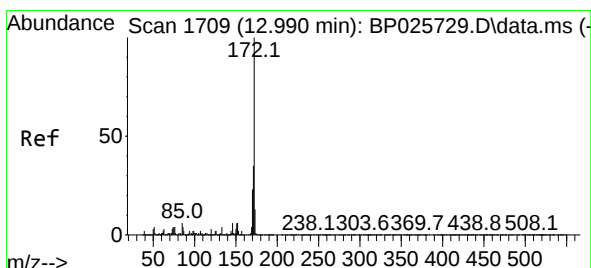
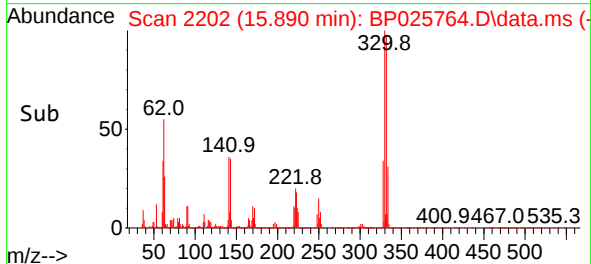
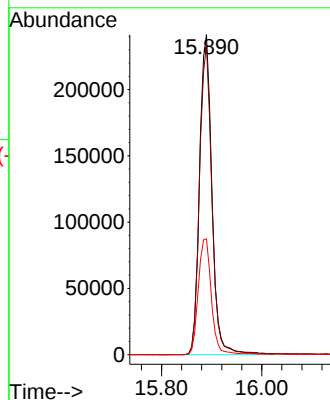
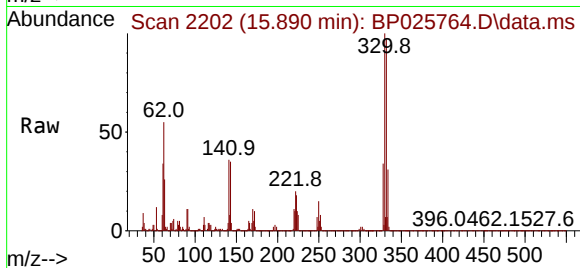
Tgt Ion:330 Resp: 415587

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

141 38.2 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 39.716 ng

RT: 12.978 min Scan# 1707

Delta R.T. -0.012 min

Lab File: BP025764.D

Acq: 16 Sep 2025 19:15

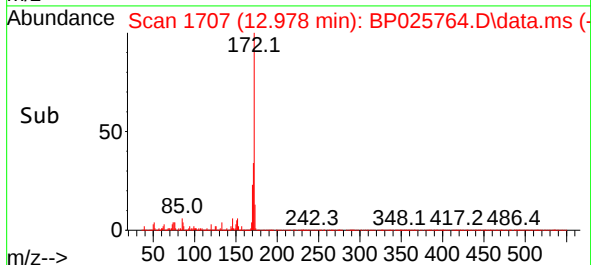
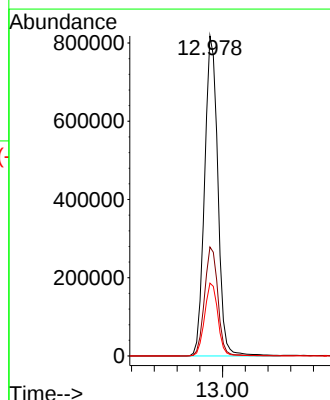
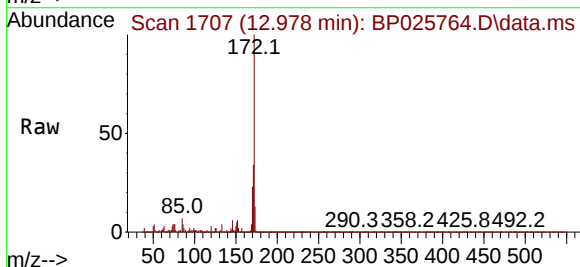
Tgt Ion:172 Resp: 1323361

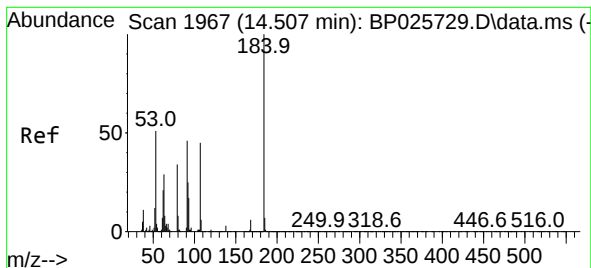
Ion Ratio Lower Upper

172 100

171 34.0 27.8 41.6

170 22.8 18.6 27.8

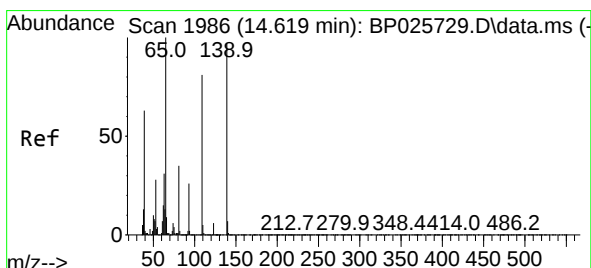
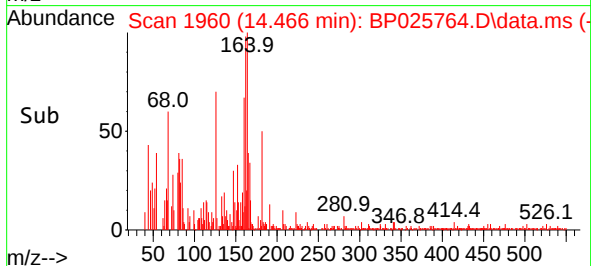
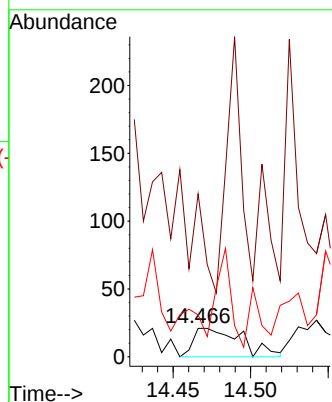
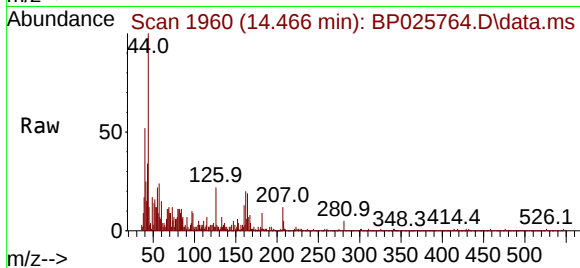




#54
2,4-Dinitrophenol
Concen: 4.834 ng
RT: 14.466 min Scan# 1960
Delta R.T. -0.041 min
Lab File: BP025764.D
Acq: 16 Sep 2025 19:15

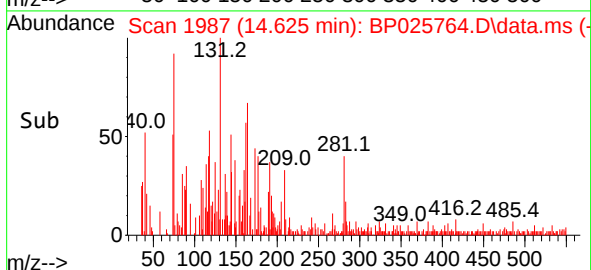
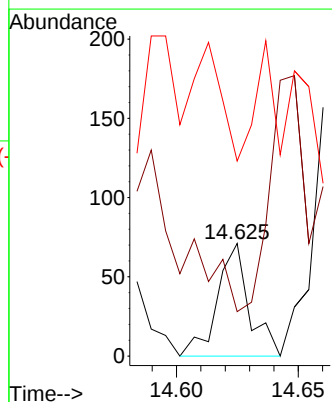
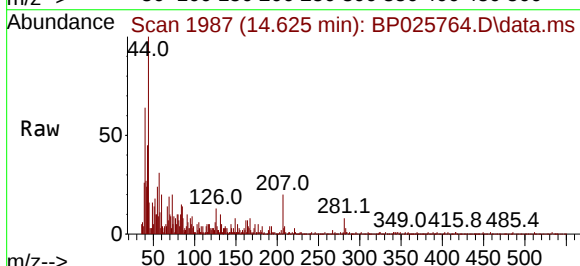
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FREEZE-PIT-SAMPLES

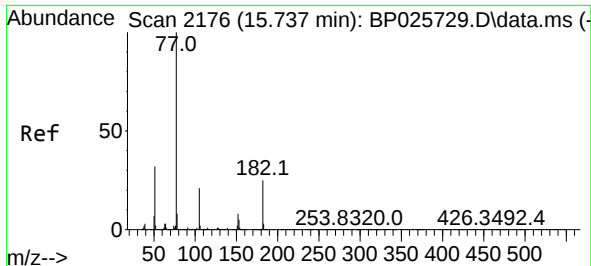
Tgt Ion:184 Resp: 46
Ion Ratio Lower Upper
184 100
63 571.4 52.5 78.7#
154 147.6 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.492 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.006 min
Lab File: BP025764.D
Acq: 16 Sep 2025 19:15

Tgt Ion:139 Resp: 65
Ion Ratio Lower Upper
139 100
109 39.4 62.9 102.9#
65 173.2 83.4 123.4#

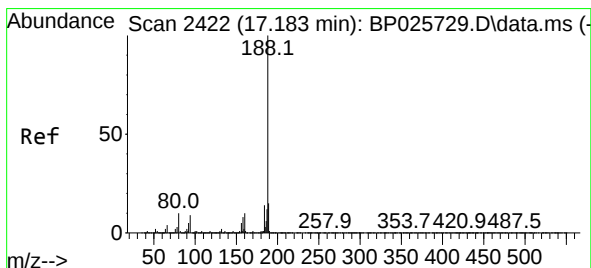
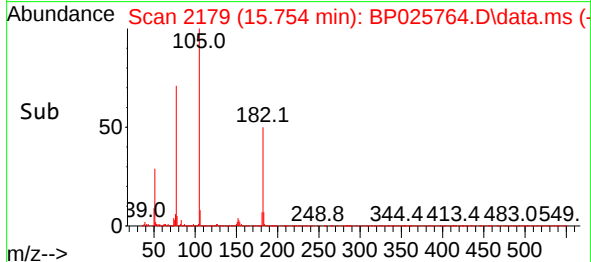
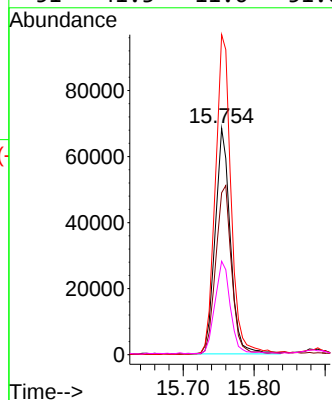
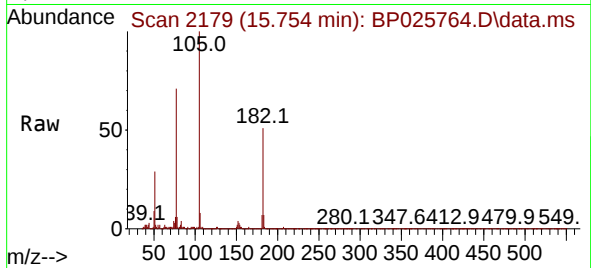




#63
Azobenzene
Concen: 3.046 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.018 min
Lab File: BP025764.D
Acq: 16 Sep 2025 19:15

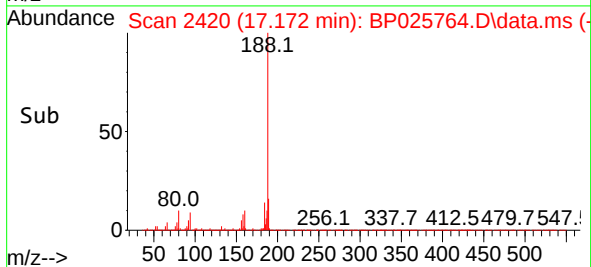
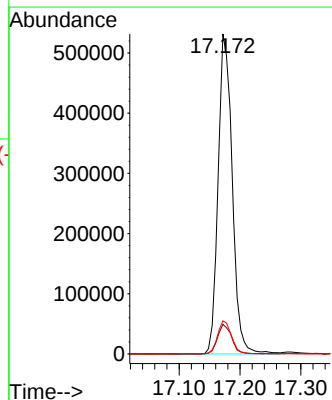
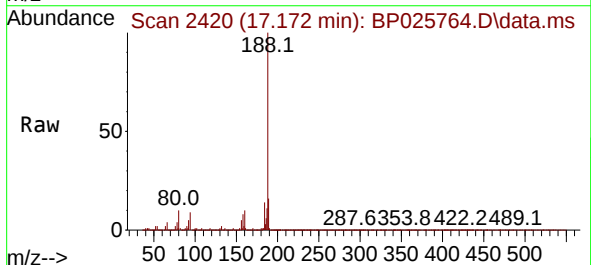
Instrument :
BNA_P
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FREEZE-PIT-SAMPLES

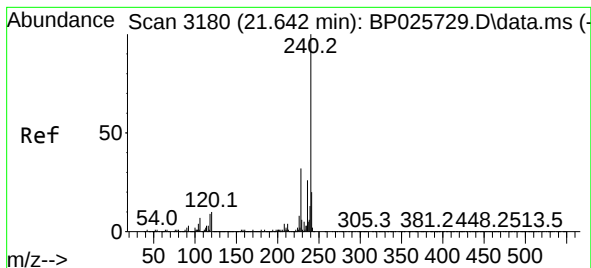
Tgt Ion: 77 Resp: 101179
Ion Ratio Lower Upper
77 100
182 71.5 5.2 45.2#
105 141.4 1.1 41.1#
51 41.3 11.6 51.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.172 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP025764.D
Acq: 16 Sep 2025 19:15

Tgt Ion:188 Resp: 856804
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.0
80 10.3 7.7 11.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.619 min Scan# 3180

Delta R.T. -0.023 min

Lab File: BP025764.D

Acq: 16 Sep 2025 19:15

Instrument :

BNA_P

ClientSampleId :

FREEZE-PIT-SAMPLES

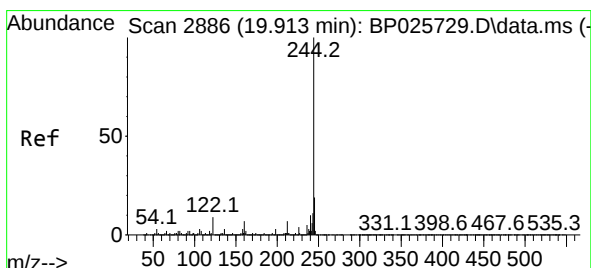
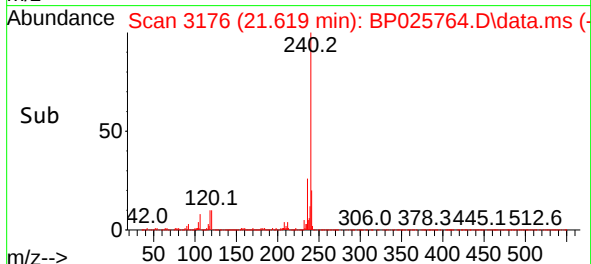
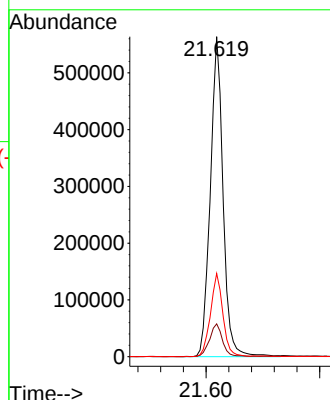
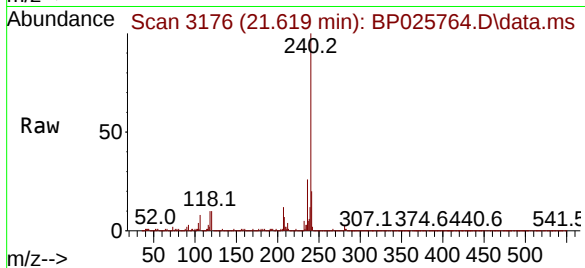
Tgt Ion:240 Resp: 875283

Ion Ratio Lower Upper

240 100

120 10.3 8.0 12.0

236 26.0 20.7 31.1



#79

Terphenyl-d14

Concen: 44.320 ng

RT: 19.901 min Scan# 2884

Delta R.T. -0.012 min

Lab File: BP025764.D

Acq: 16 Sep 2025 19:15

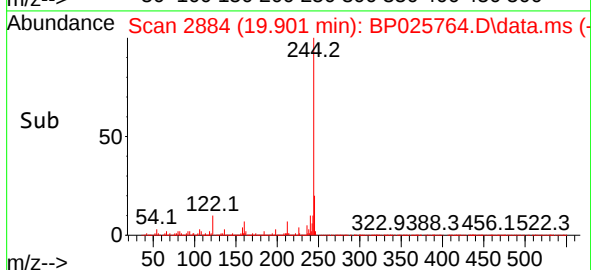
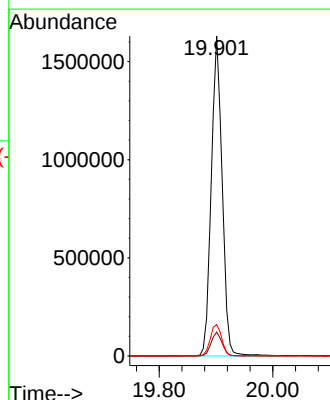
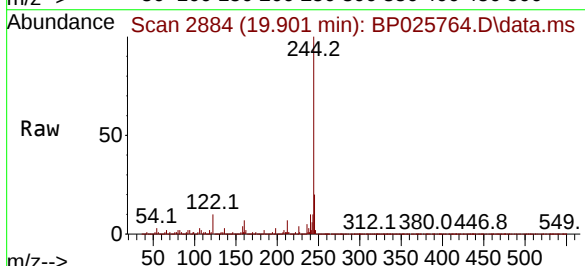
Tgt Ion:244 Resp: 2156337

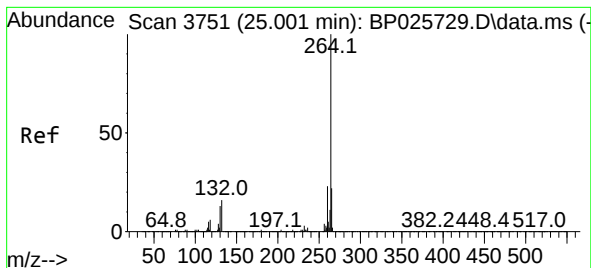
Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 9.8 7.1 10.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.977 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025764.D

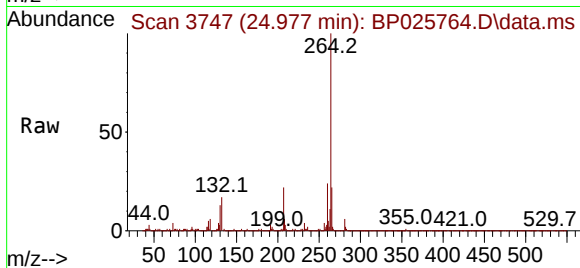
Acq: 16 Sep 2025 19:15

Instrument :

BNA_P

ClientSampleId :

FREEZE-PIT-SAMPLES



Tgt Ion:264 Resp: 962472

Ion Ratio Lower Upper

264 100

260 23.9 18.3 27.5

265 21.7 17.3 25.9

