

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082925\
 Data File : BP025623.D
 Acq On : 29 Aug 2025 13:17
 Operator : CG/JU
 Sample : Q2971-07RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP1

Quant Time: Aug 29 13:48:01 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)

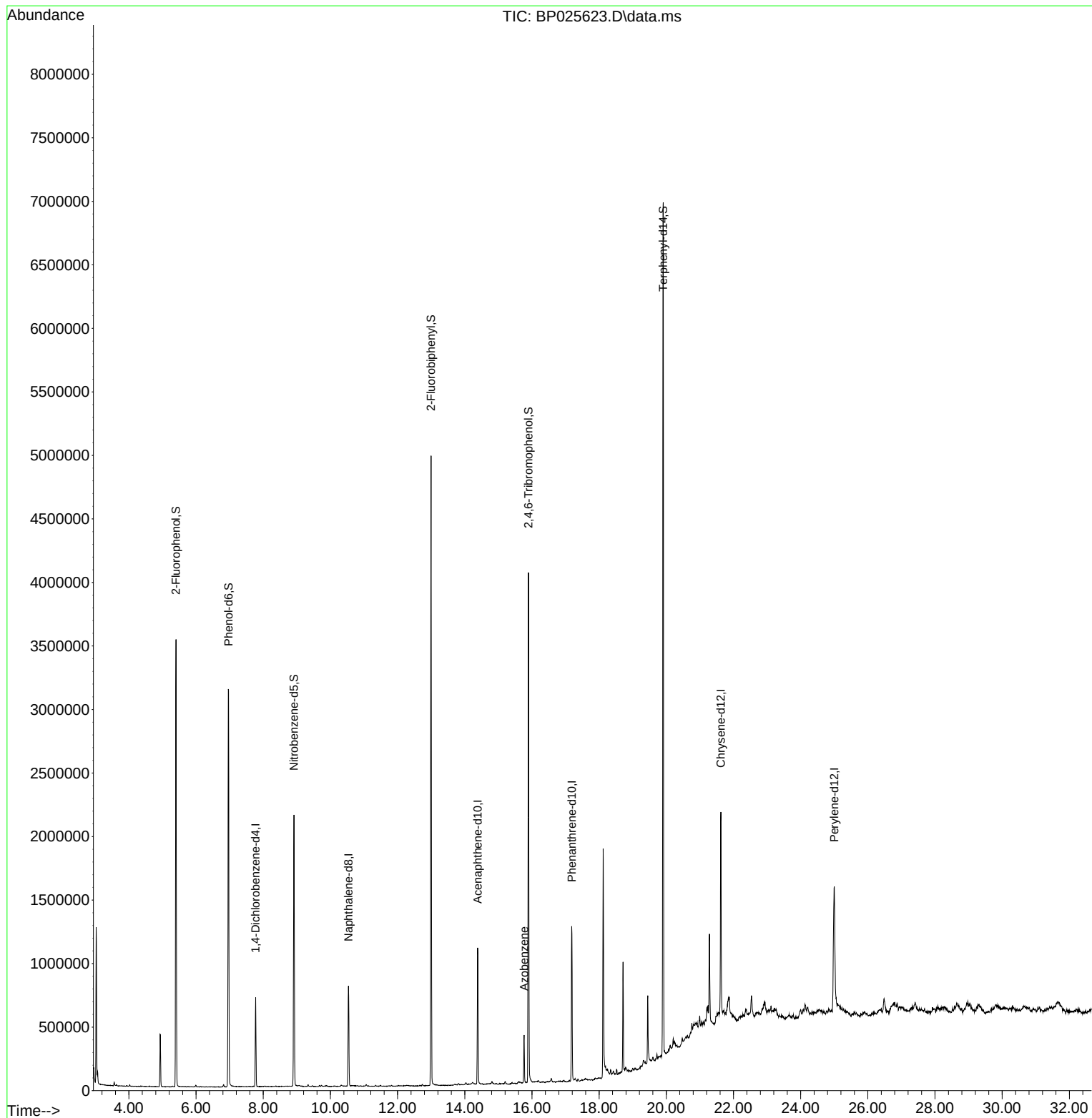
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.772	152	177337	20.000	ng	-0.02
21) Naphthalene-d8	10.537	136	695214	20.000	ng	-0.02
39) Acenaphthene-d10	14.384	164	416076	20.000	ng	-0.02
64) Phenanthrene-d10	17.184	188	821486	20.000	ng	#-0.02
76) Chrysene-d12	21.625	240	898187	20.000	ng	-0.02
86) Perylene-d12	25.001	264	1081040	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	1519525	142.298	ng	0.00
7) Phenol-d6	6.967	99	1914963	139.873	ng	0.00
23) Nitrobenzene-d5	8.913	82	1220486	88.806	ng	-0.02
42) 2,4,6-Tribromophenol	15.895	330	842172	150.377	ng	-0.02
45) 2-Fluorobiphenyl	12.996	172	2392178	78.576	ng	-0.02
79) Terphenyl-d14	19.907	244	3712045	75.613	ng	-0.01
Target Compounds						
63) Azobenzene	15.766	77	101578	3.832	ng	# 1

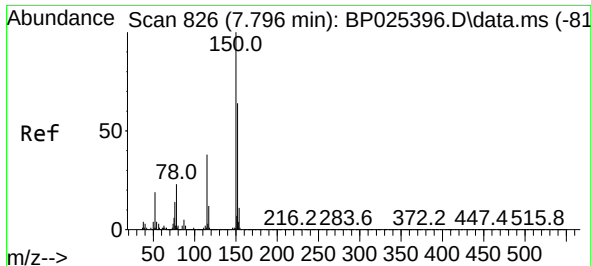
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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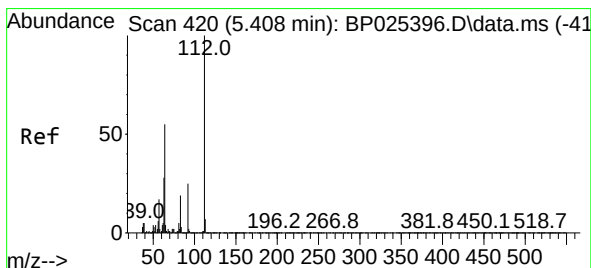
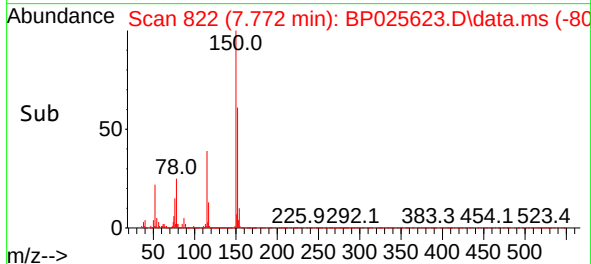
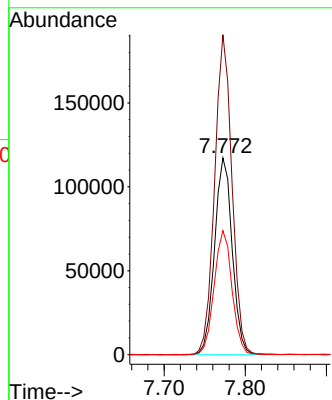
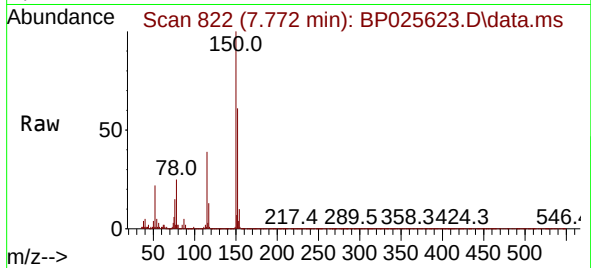




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.772 min Scan# 81
Delta R.T. -0.024 min
Lab File: BP025623.D
Acq: 29 Aug 2025 13:17

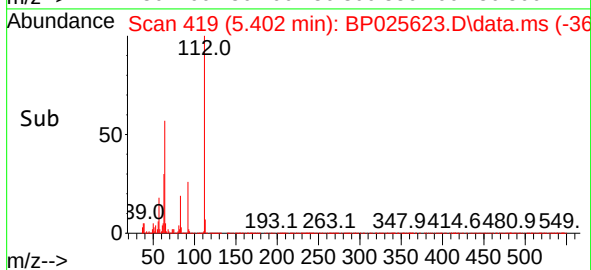
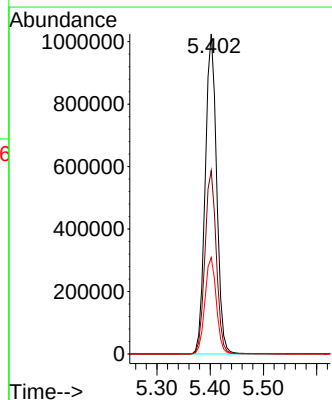
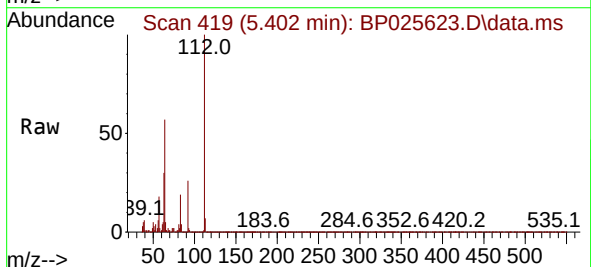
Instrument :
BNA_P
ClientSampleId :
TP1

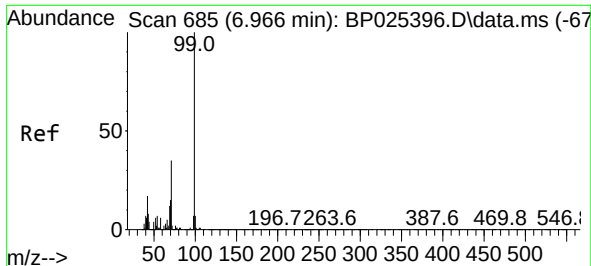
Tgt Ion:152 Resp: 177337
Ion Ratio Lower Upper
152 100
150 162.6 125.9 188.9
115 63.0 48.5 72.7



#5
2-Fluorophenol
Concen: 142.298 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025623.D
Acq: 29 Aug 2025 13:17

Tgt Ion:112 Resp: 1519525
Ion Ratio Lower Upper
112 100
64 57.3 43.8 65.8
63 30.1 22.7 34.1



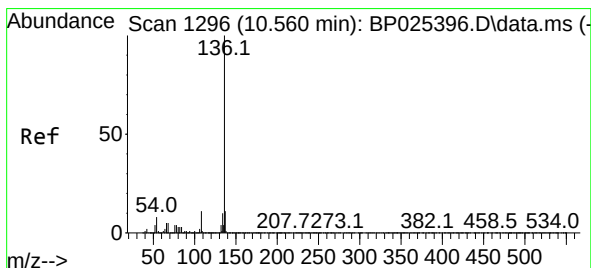
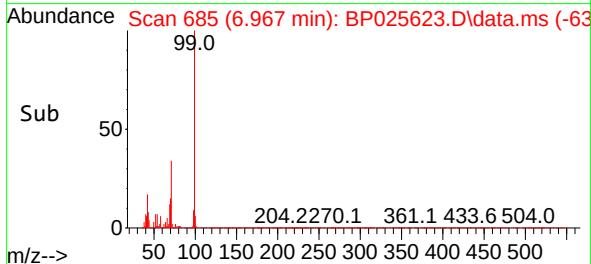
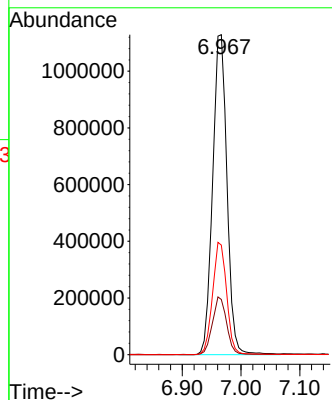
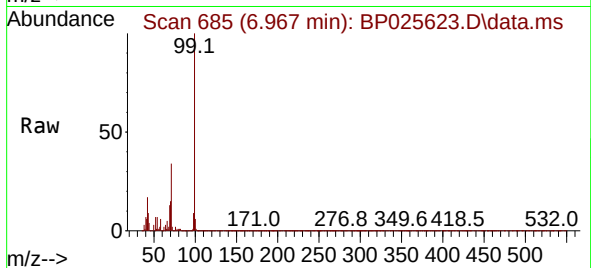


#7
Phenol-d6
Concen: 139.873 ng
RT: 6.967 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025623.D
Acq: 29 Aug 2025 13:17

Instrument :
BNA_P
ClientSampleId :
TP1

Tgt Ion: 99 Resp: 1914963

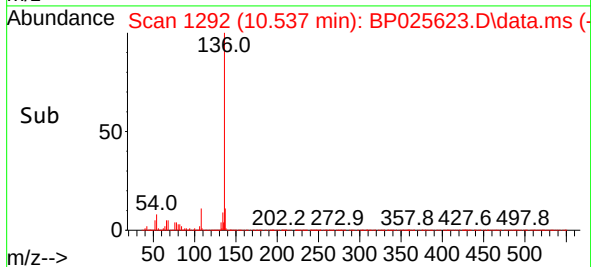
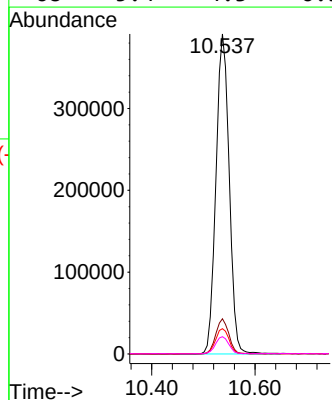
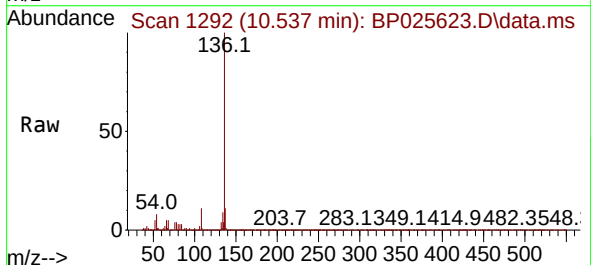
Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.7	20.5
71	34.2	28.2	42.4

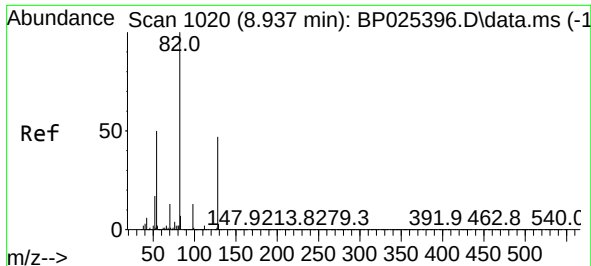


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.537 min Scan# 1292
Delta R.T. -0.023 min
Lab File: BP025623.D
Acq: 29 Aug 2025 13:17

Tgt Ion: 136 Resp: 695214

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.9	6.0	9.0
68	5.4	4.3	6.5

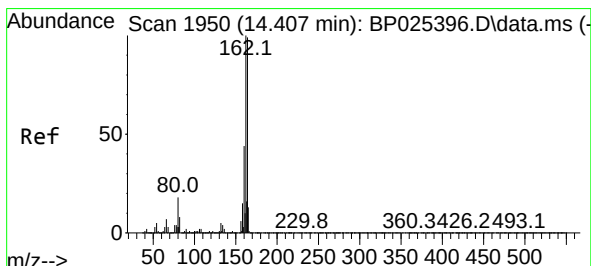
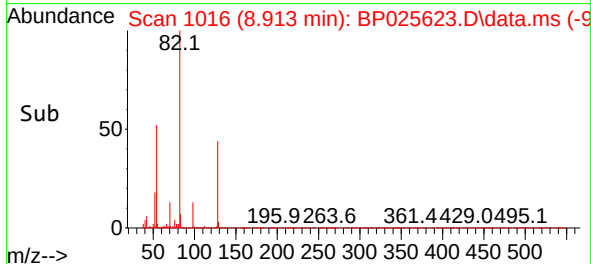
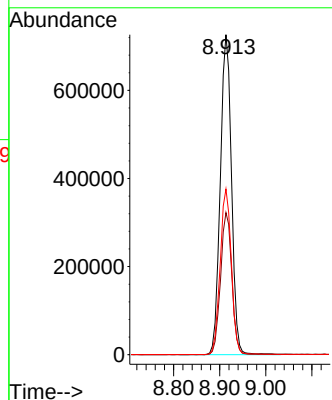
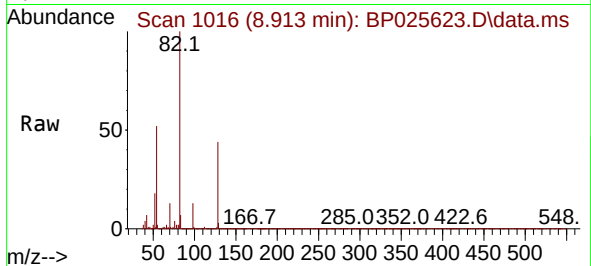




#23
Nitrobenzene-d5
Concen: 88.806 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.023 min
Lab File: BP025623.D
Acq: 29 Aug 2025 13:17

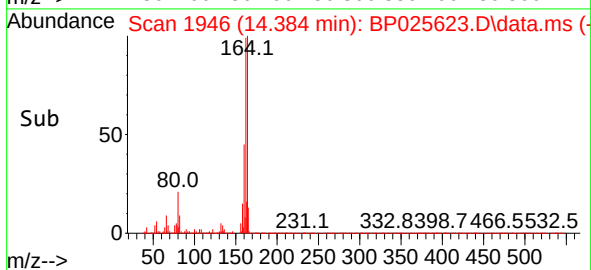
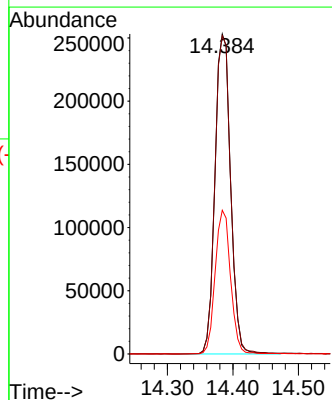
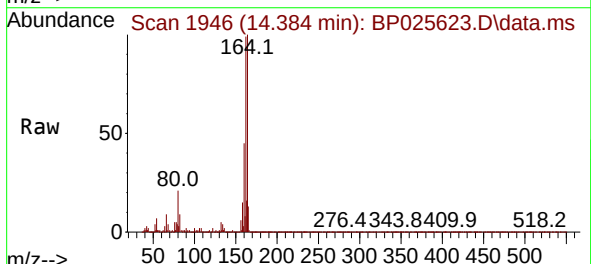
Instrument :
BNA_P
ClientSampleId :
TP1

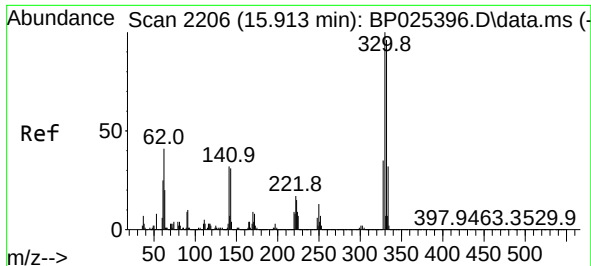
Tgt Ion: 82 Resp: 1220486
Ion Ratio Lower Upper
82 100
128 44.4 37.7 56.5
54 51.8 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.023 min
Lab File: BP025623.D
Acq: 29 Aug 2025 13:17

Tgt Ion:164 Resp: 416076
Ion Ratio Lower Upper
164 100
162 99.5 81.0 121.6
160 44.9 35.4 53.2

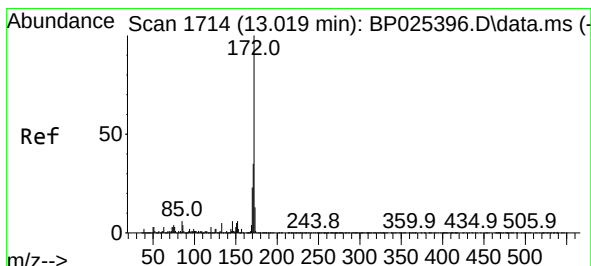
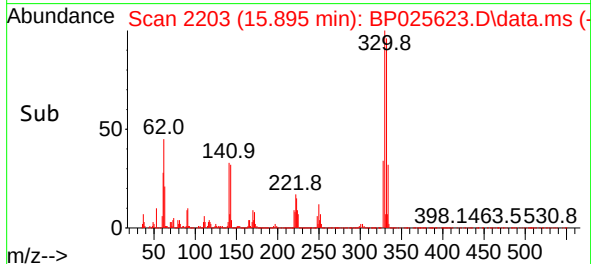
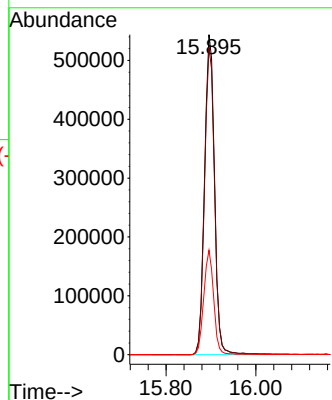
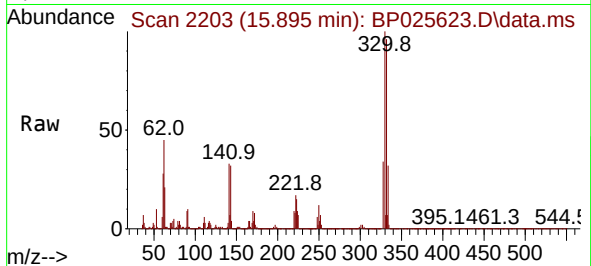




#42
2,4,6-Tribromophenol
Concen: 150.377 ng
RT: 15.895 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP025623.D
Acq: 29 Aug 2025 13:17

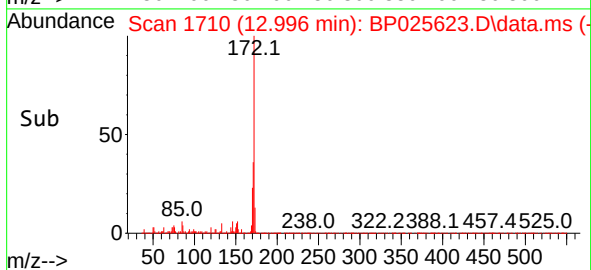
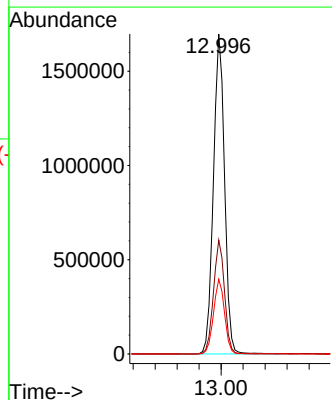
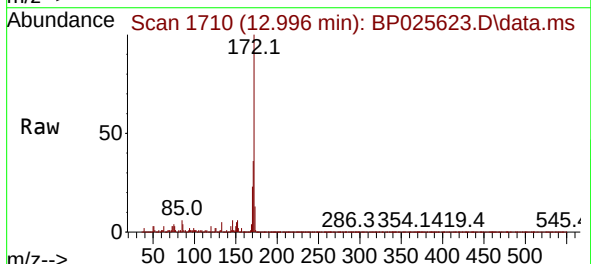
Instrument :
BNA_P
ClientSampleId :
TP1

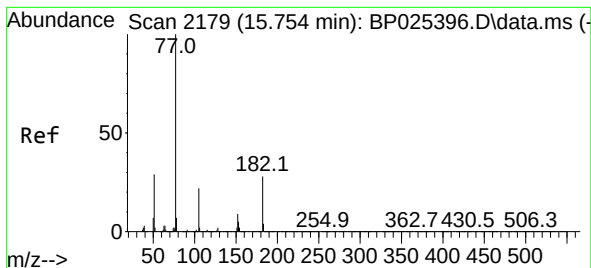
Tgt Ion:330 Resp: 842172
Ion Ratio Lower Upper
330 100
332 95.7 77.3 115.9
141 32.2 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 78.576 ng
RT: 12.996 min Scan# 1710
Delta R.T. -0.023 min
Lab File: BP025623.D
Acq: 29 Aug 2025 13:17

Tgt Ion:172 Resp: 2392178
Ion Ratio Lower Upper
172 100
171 35.6 28.1 42.1
170 23.3 18.6 28.0





#63

Azobenzene

Concen: 3.832 ng

RT: 15.766 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025623.D

Acq: 29 Aug 2025 13:17

Instrument :

BNA_P

ClientSampleId :

TP1

Tgt Ion: 77 Resp: 101578

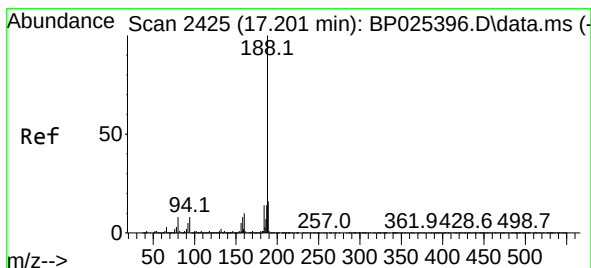
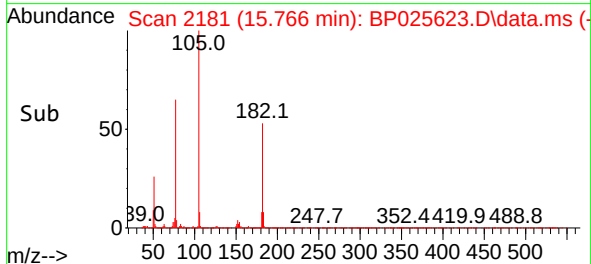
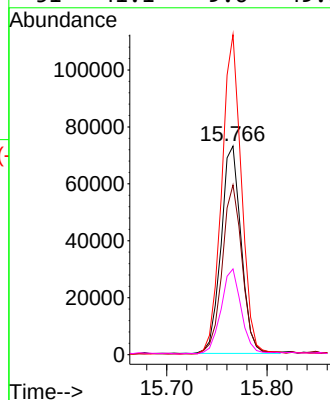
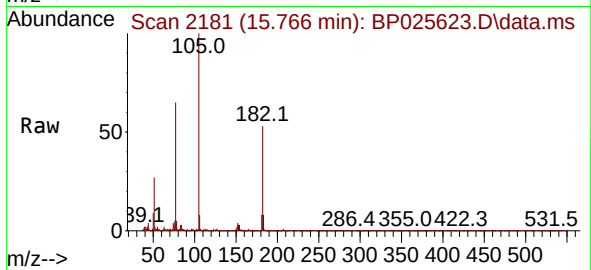
Ion Ratio Lower Upper

77 100

182 81.4 7.5 47.5#

105 153.4 2.1 42.1#

51 41.1 9.6 49.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.184 min Scan# 2422

Delta R.T. -0.017 min

Lab File: BP025623.D

Acq: 29 Aug 2025 13:17

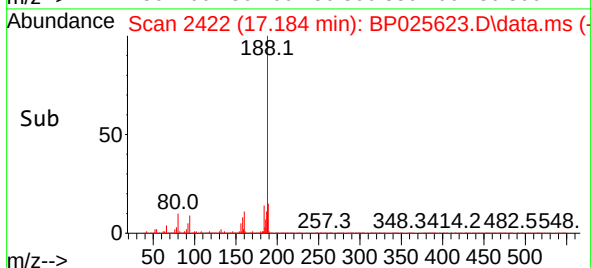
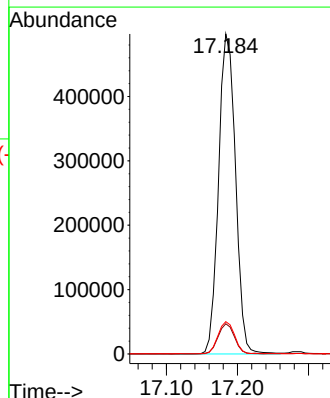
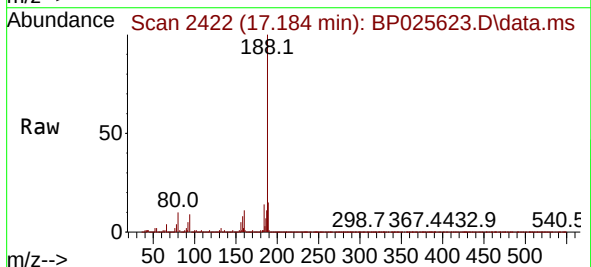
Tgt Ion:188 Resp: 821486

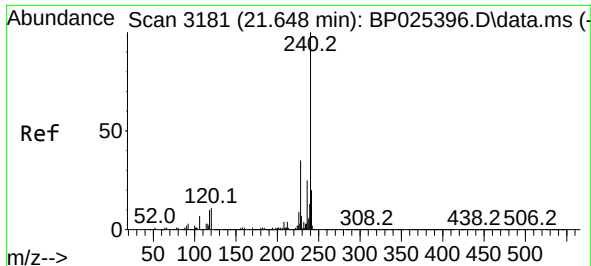
Ion Ratio Lower Upper

188 100

94 9.5 6.6 10.0

80 10.1 6.7 10.1#

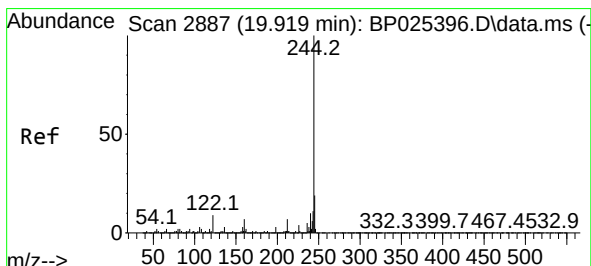
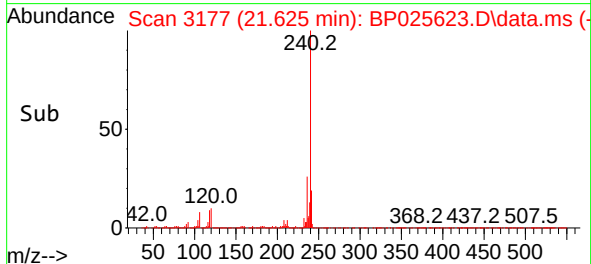
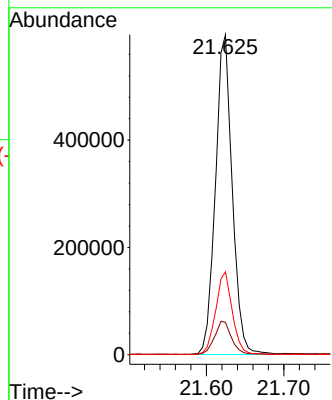
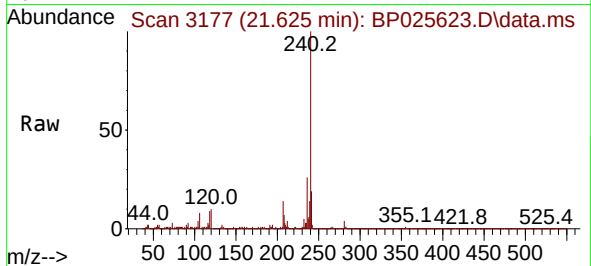




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.625 min Scan# 3181
Delta R.T. -0.023 min
Lab File: BP025623.D
Acq: 29 Aug 2025 13:17

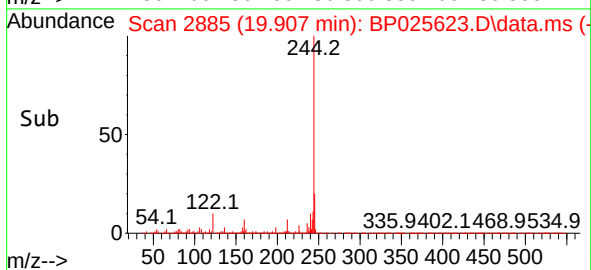
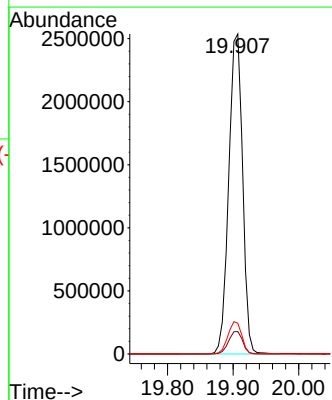
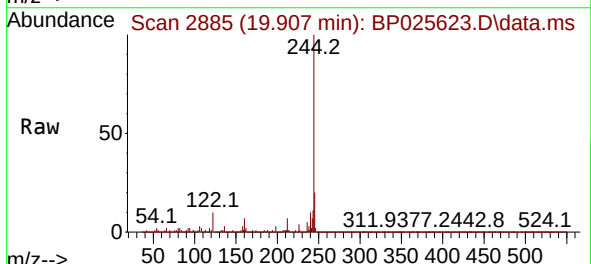
Instrument :
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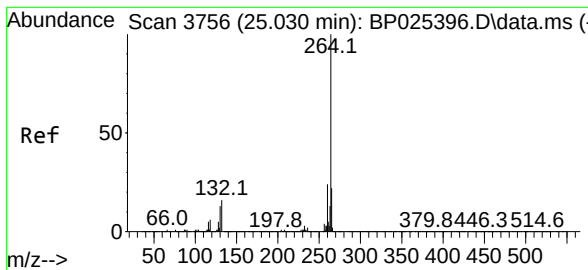
Tgt Ion:240 Resp: 898187
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 25.9 19.8 29.8



#79
Terphenyl-d14
Concen: 75.613 ng
RT: 19.907 min Scan# 2885
Delta R.T. -0.012 min
Lab File: BP025623.D
Acq: 29 Aug 2025 13:17

Tgt Ion:244 Resp: 3712045
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 9.6 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: BP025623.D
Acq: 29 Aug 2025 13:17

Instrument :
BNA_P
ClientSampleId :
TP1

Tgt Ion:264 Resp: 1081040

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.3	28.9
265	21.5	17.4	26.0

