

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102125\
 Data File : BP025990.D
 Acq On : 21 Oct 2025 17:39
 Operator : RC/JU
 Sample : Q3369-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 21 18:02:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP101525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 15 23:48:51 2025
 Response via : Initial Calibration

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

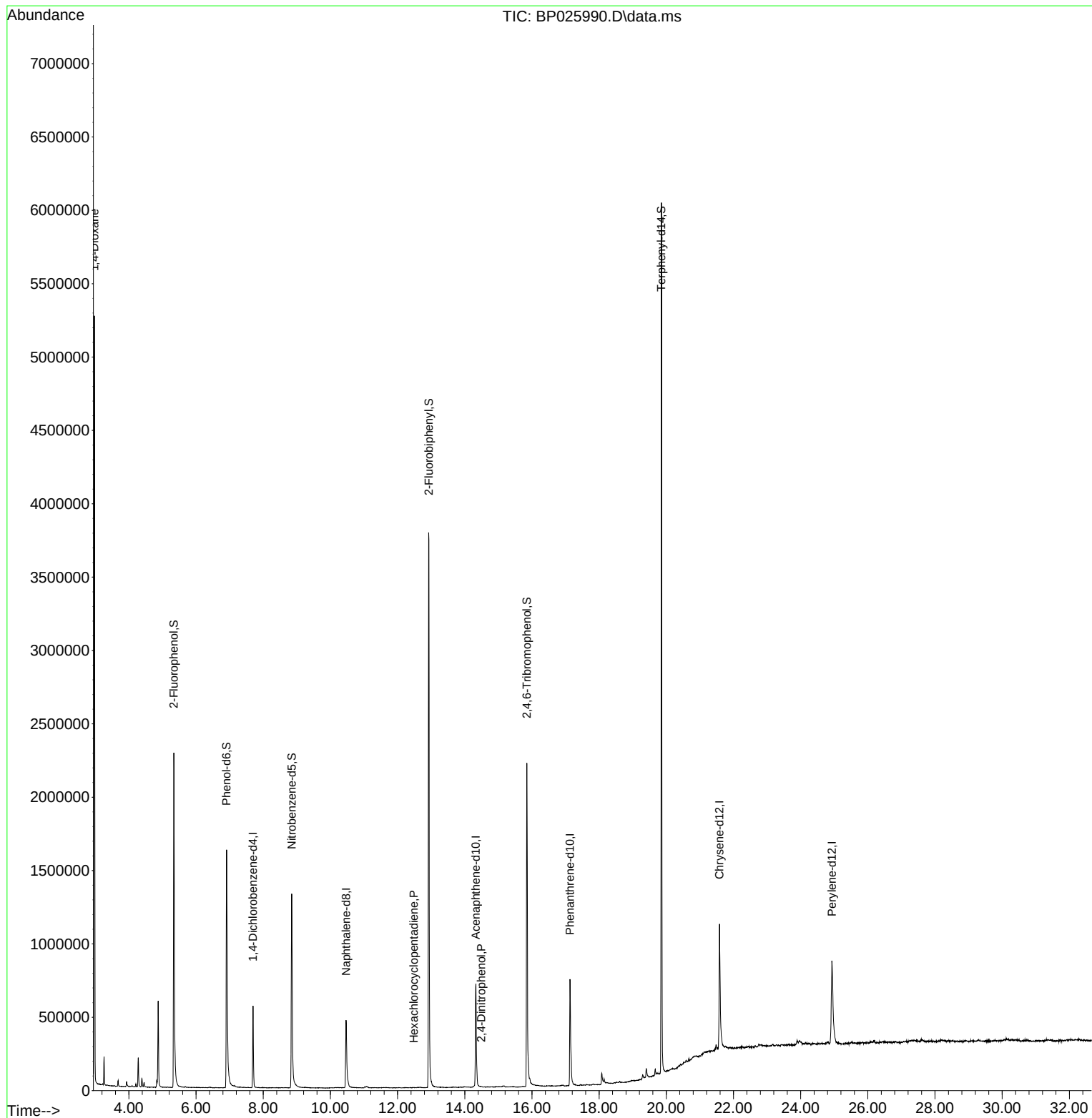
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.696	152	152654	20.000	ng	0.00
21) Naphthalene-d8	10.466	136	554963	20.000	ng	0.00
39) Acenaphthene-d10	14.331	164	337846	20.000	ng	0.01
64) Phenanthrene-d10	17.131	188	629881	20.000	ng	0.01
76) Chrysene-d12	21.583	240	687973	20.000	ng	0.00
86) Perylene-d12	24.930	264	791472	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.337	112	1153587	123.897	ng	0.00
7) Phenol-d6	6.908	99	1311970	100.971	ng	0.00
23) Nitrobenzene-d5	8.849	82	1012139	81.976	ng	0.00
42) 2,4,6-Tribromophenol	15.848	330	547435	120.363	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	2140841	81.220	ng	0.00
79) Terphenyl-d14	19.854	244	3081069	71.574	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.972	88	34860	9.452	ng	Qvalue # 1
41) Hexachlorocyclopentadiene	12.484	237	11	5.383	ng	88
54) 2,4-Dinitrophenol	14.490	184	32	5.447	ng	# 1

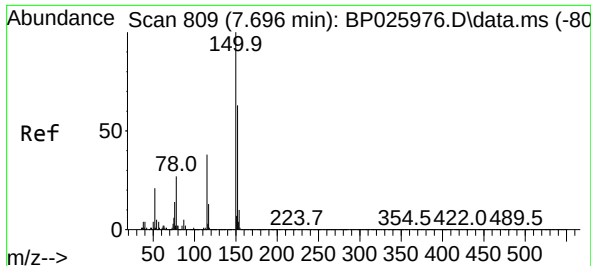
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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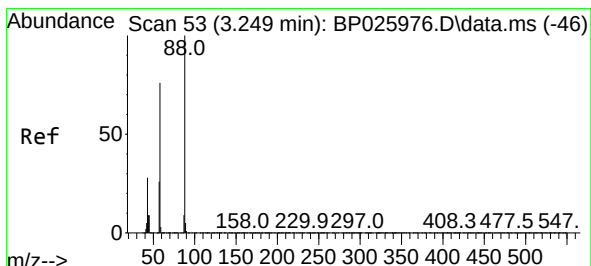
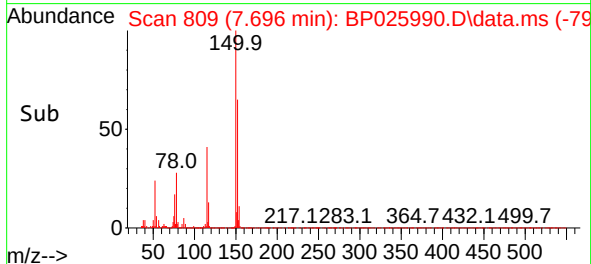
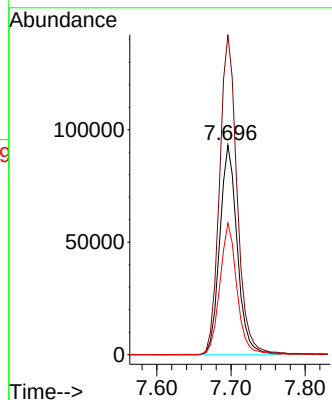
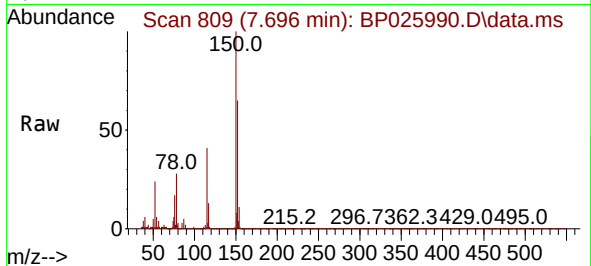




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.696 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BP025990.D
 Acq: 21 Oct 2025 17:39

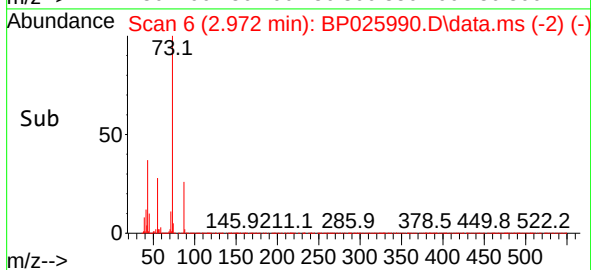
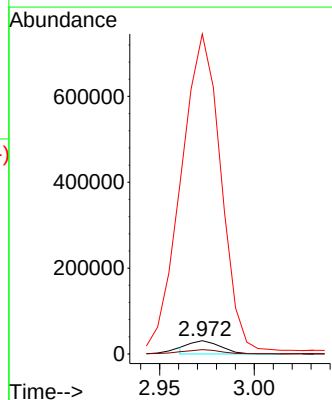
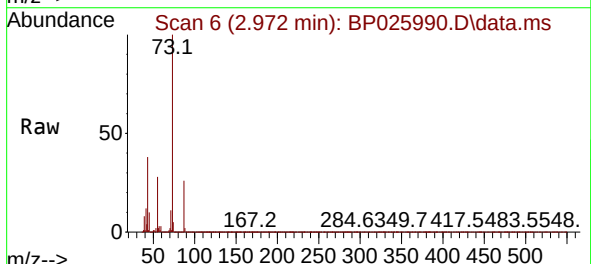
Instrument :
 BNA_P
 ClientSampleId :

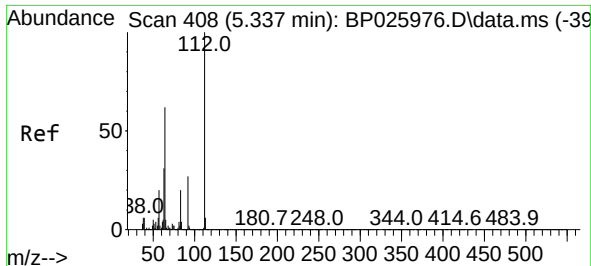
Tgt Ion:152 Resp: 152654
 Ion Ratio Lower Upper
 152 100
 150 152.8 127.3 190.9
 115 62.8 48.7 73.1



#2
 1,4-Dioxane
 Concen: 9.452 ng
 RT: 2.972 min Scan# 6
 Delta R.T. -0.276 min
 Lab File: BP025990.D
 Acq: 21 Oct 2025 17:39

Tgt Ion: 88 Resp: 34860
 Ion Ratio Lower Upper
 88 100
 58 30.0 61.9 92.9#
 43 2468.7 22.6 33.8#

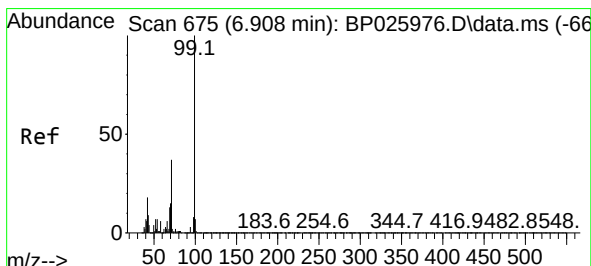
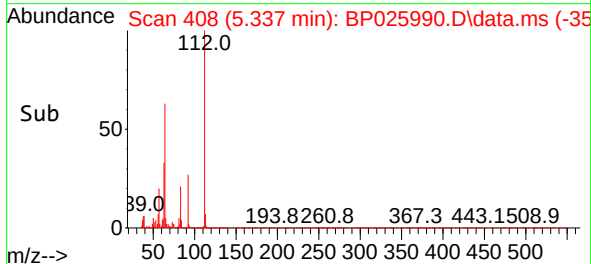
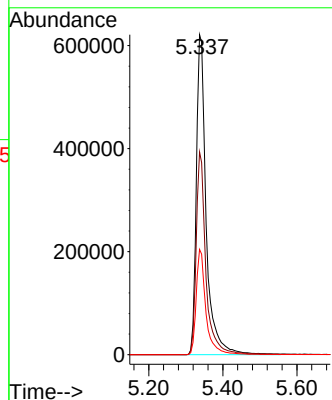
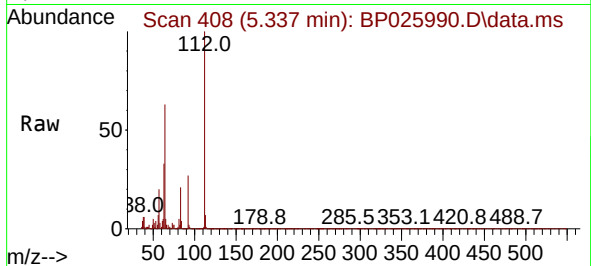




#5
2-Fluorophenol
Concen: 123.897 ng
RT: 5.337 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP025990.D
Acq: 21 Oct 2025 17:39

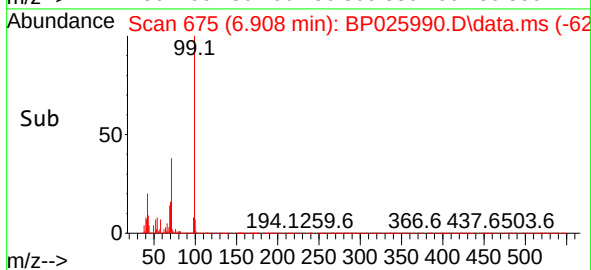
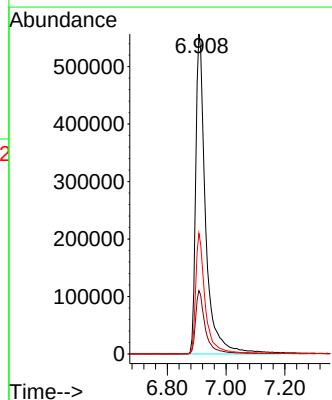
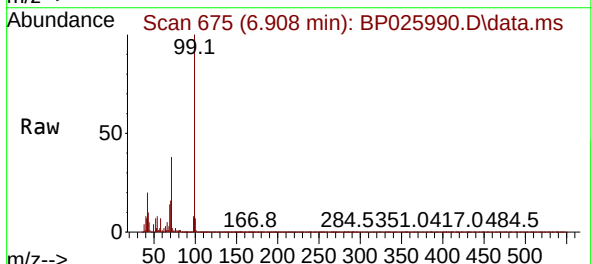
Instrument :
BNA_P
ClientSampleId :

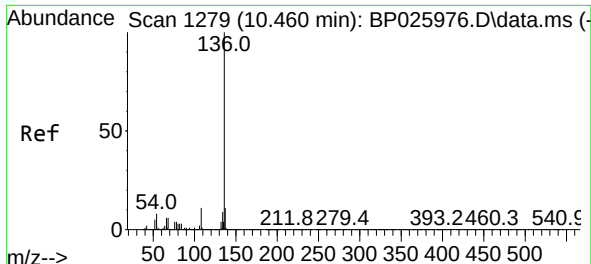
Tgt Ion:112 Resp: 1153587
Ion Ratio Lower Upper
112 100
64 63.4 49.9 74.9
63 32.9 24.9 37.3



#7
Phenol-d6
Concen: 100.971 ng
RT: 6.908 min Scan# 675
Delta R.T. -0.000 min
Lab File: BP025990.D
Acq: 21 Oct 2025 17:39

Tgt Ion: 99 Resp: 1311970
Ion Ratio Lower Upper
99 100
42 19.8 14.2 21.4
71 37.7 29.4 44.0

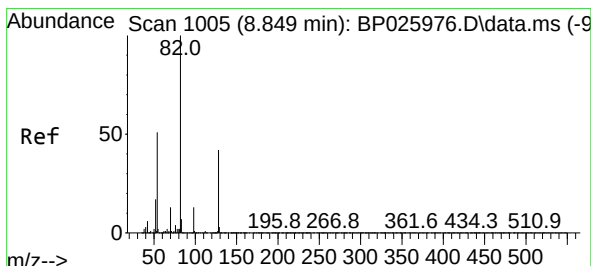
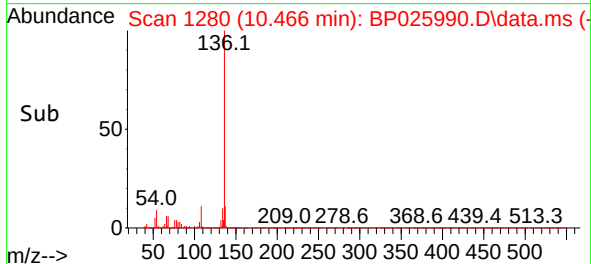
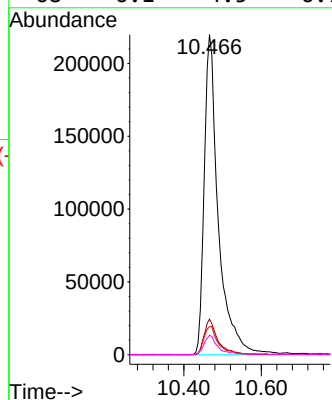
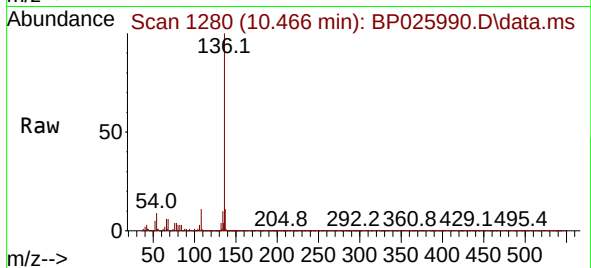




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.466 min Scan# 1279
Delta R.T. 0.006 min
Lab File: BP025990.D
Acq: 21 Oct 2025 17:39

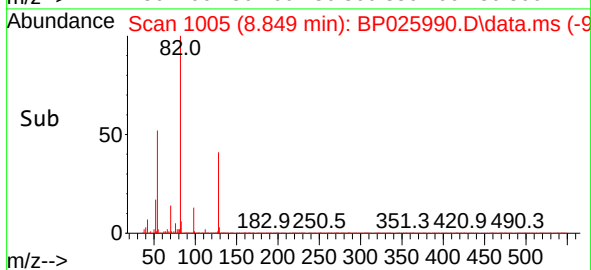
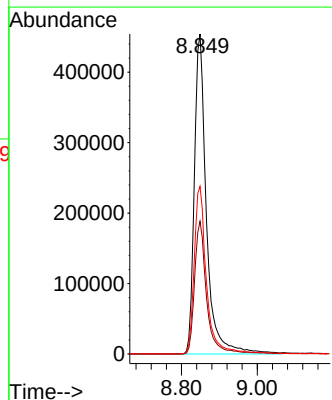
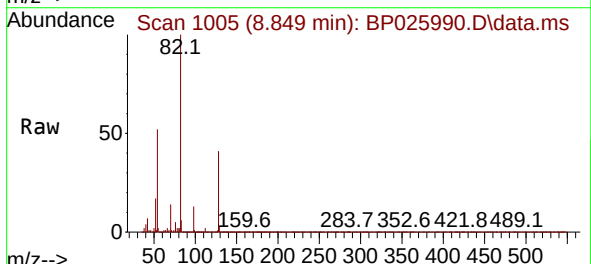
Instrument :
BNA_P
ClientSampleId :

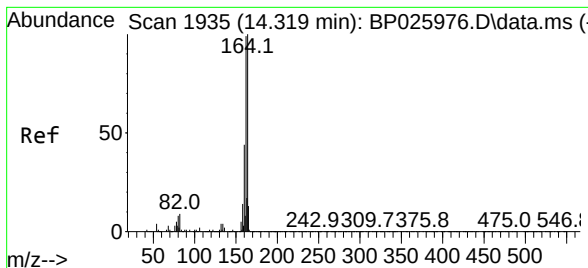
Tgt Ion:	136	Resp:	554963
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	8.8	6.8	10.2
68	6.1	4.5	6.7



#23
Nitrobenzene-d5
Concen: 81.976 ng
RT: 8.849 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BP025990.D
Acq: 21 Oct 2025 17:39

Tgt Ion:	82	Resp:	1012139
Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.6	50.4
54	52.3	40.6	61.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.331 min Scan# 1935

Delta R.T. 0.012 min

Lab File: BP025990.D

Acq: 21 Oct 2025 17:39

Instrument :

BNA_P

ClientSampleId :

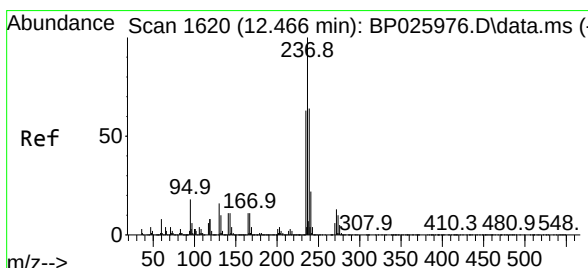
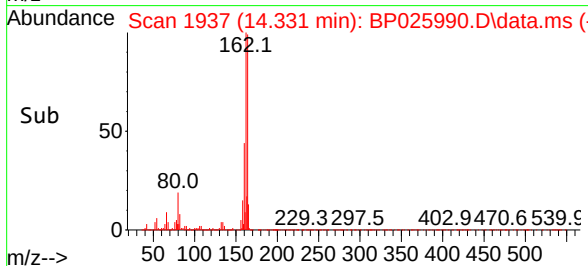
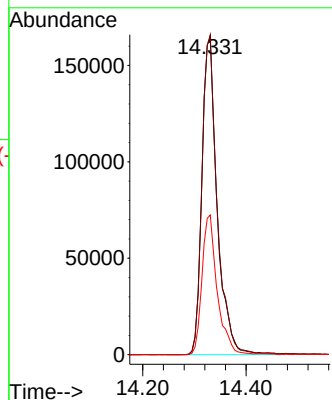
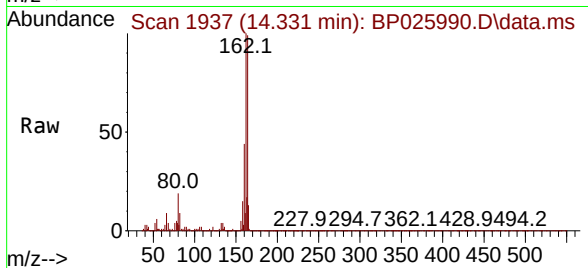
Tgt Ion:164 Resp: 337846

Ion Ratio Lower Upper

164 100

162 101.1 79.3 118.9

160 44.1 35.4 53.0



#41

Hexachlorocyclopentadiene

Concen: 5.383 ng

RT: 12.484 min Scan# 1623

Delta R.T. 0.018 min

Lab File: BP025990.D

Acq: 21 Oct 2025 17:39

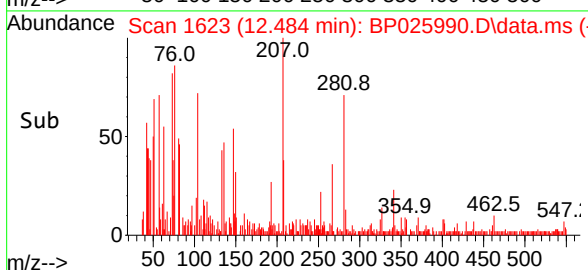
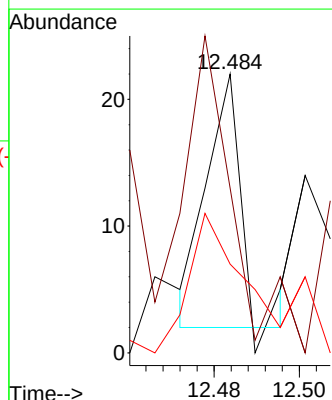
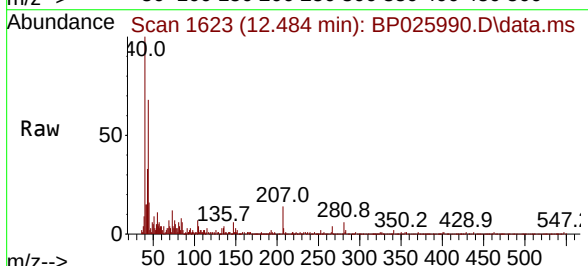
Tgt Ion:237 Resp: 11

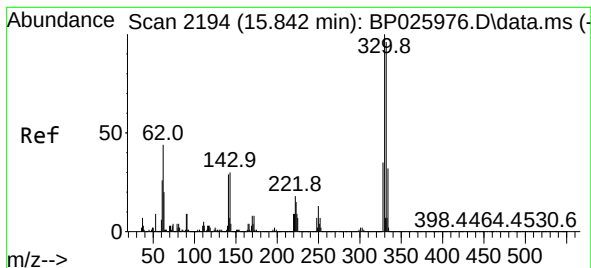
Ion Ratio Lower Upper

237 100

235 59.1 43.1 83.1

272 31.8 0.0 33.4





#42

2,4,6-Tribromophenol

Concen: 120.363 ng

RT: 15.848 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BP025990.D

Acq: 21 Oct 2025 17:39

Instrument :

BNA_P

ClientSampleId :

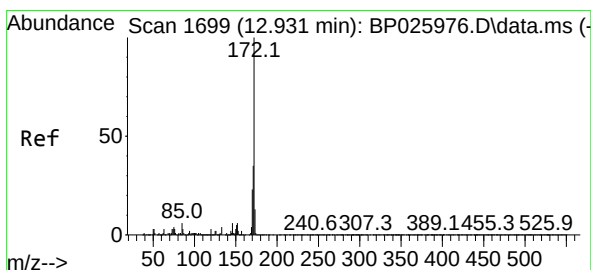
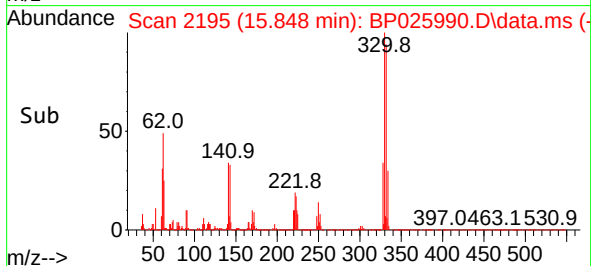
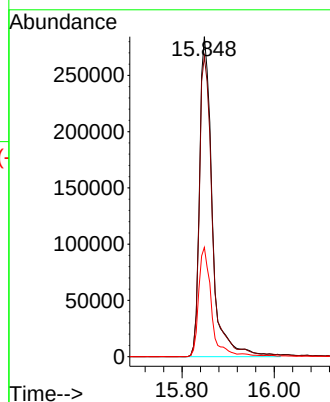
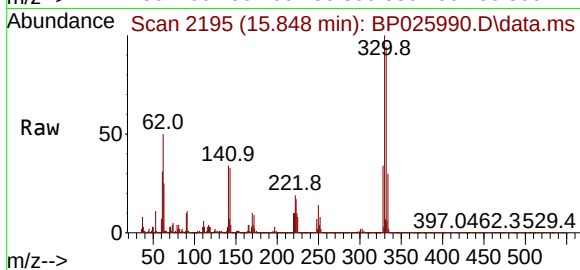
Tgt Ion:330 Resp: 547435

Ion Ratio Lower Upper

330 100

332 96.8 77.8 116.8

141 33.7 25.6 38.4



#45

2-Fluorobiphenyl

Concen: 81.220 ng

RT: 12.931 min Scan# 1699

Delta R.T. 0.000 min

Lab File: BP025990.D

Acq: 21 Oct 2025 17:39

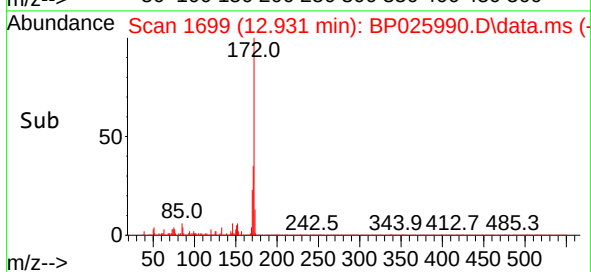
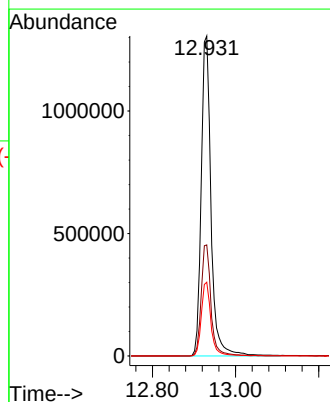
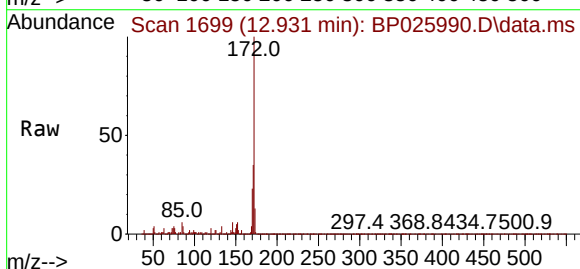
Tgt Ion:172 Resp: 2140841

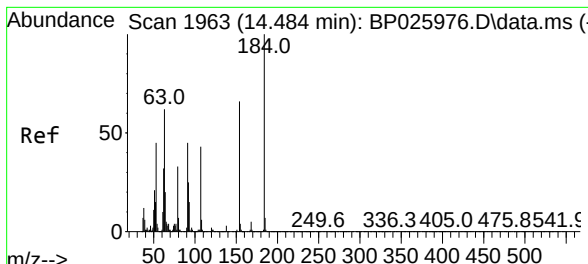
Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.8

170 23.1 18.5 27.7

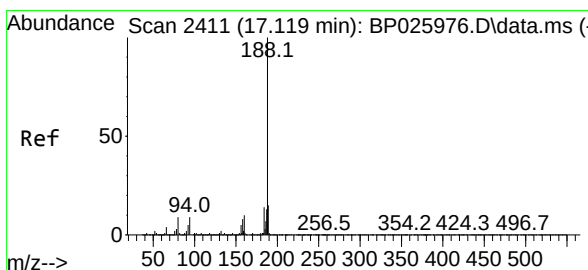
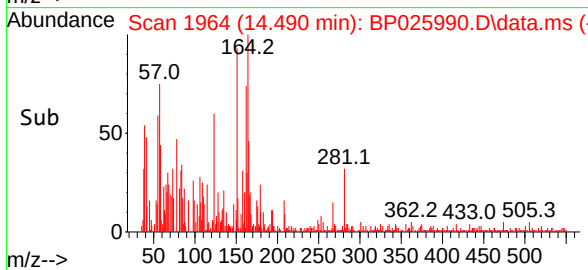
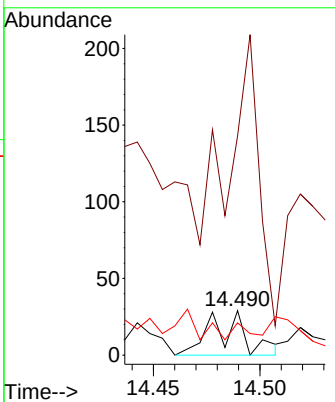
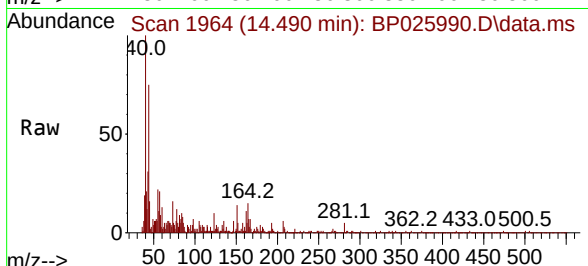




#54
 2,4-Dinitrophenol
 Concen: 5.447 ng
 RT: 14.490 min Scan# 1964
 Delta R.T. 0.006 min
 Lab File: BP025990.D
 Acq: 21 Oct 2025 17:39

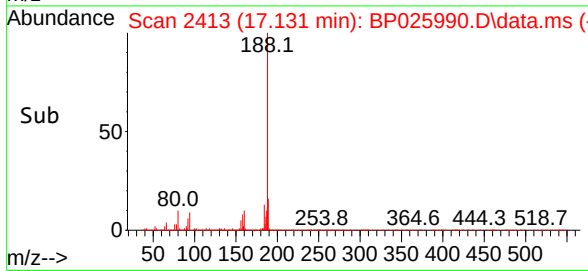
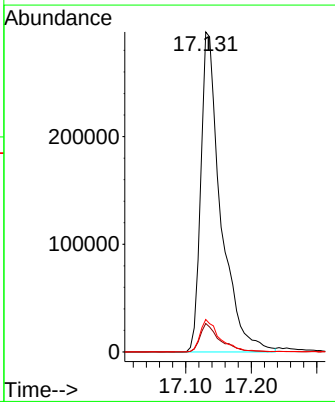
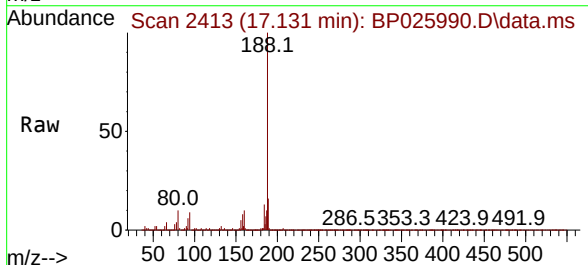
Instrument :
 BNA_P
 ClientSampleId :

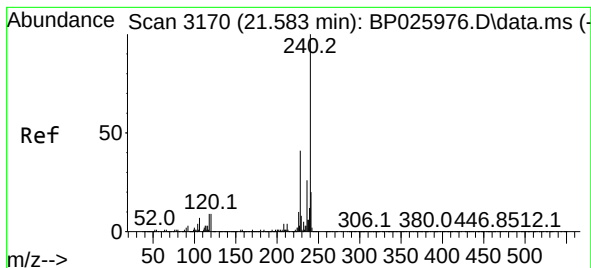
Tgt Ion:	184	Resp:	32
Ion	Ratio	Lower	Upper
184	100		
63	493.1	50.2	75.2#
154	72.4	54.2	81.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.131 min Scan# 2413
 Delta R.T. 0.012 min
 Lab File: BP025990.D
 Acq: 21 Oct 2025 17:39

Tgt Ion:	188	Resp:	629881
Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.8	10.2
80	10.2	7.2	10.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.583 min Scan# 3170

Delta R.T. -0.000 min

Lab File: BP025990.D

Acq: 21 Oct 2025 17:39

Instrument :

BNA_P

ClientSampleId :

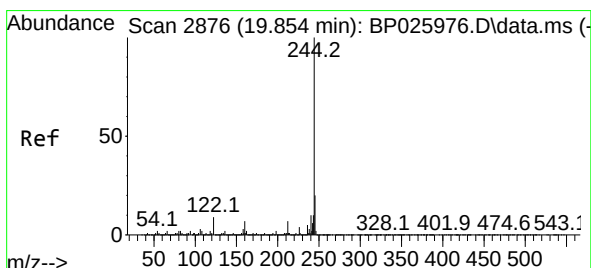
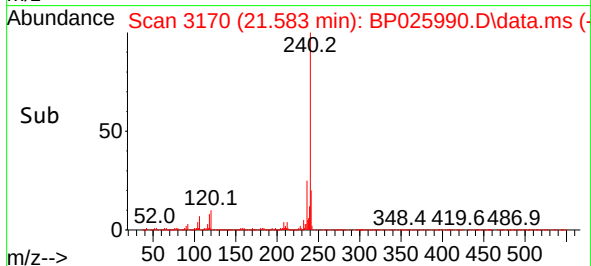
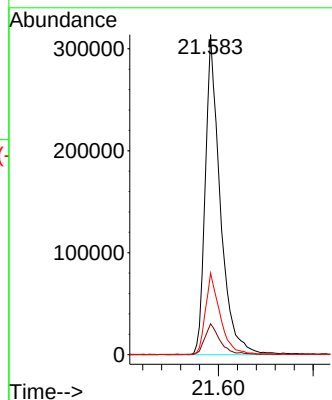
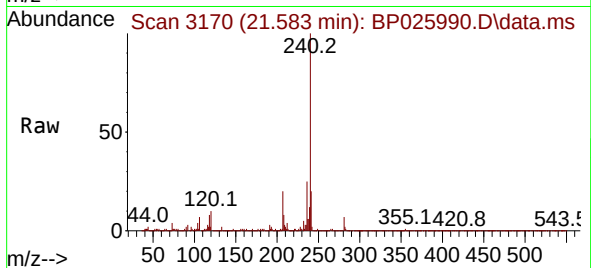
Tgt Ion:240 Resp: 687973

Ion Ratio Lower Upper

240 100

120 9.7 7.4 11.0

236 25.5 20.4 30.6



#79

Terphenyl-d14

Concen: 71.574 ng

RT: 19.854 min Scan# 2876

Delta R.T. 0.000 min

Lab File: BP025990.D

Acq: 21 Oct 2025 17:39

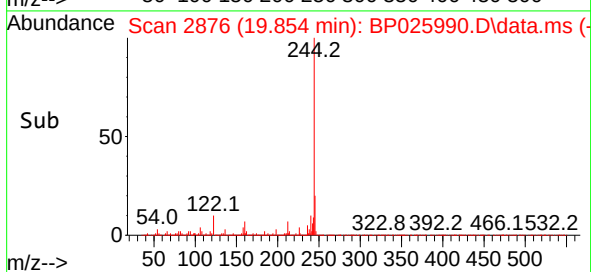
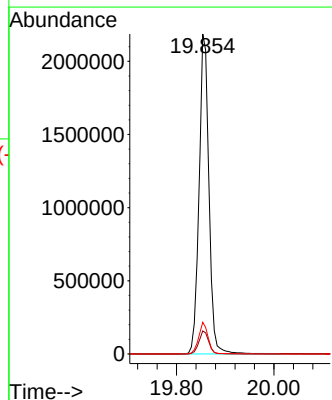
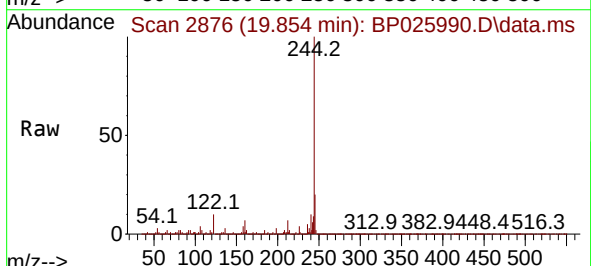
Tgt Ion:244 Resp: 3081069

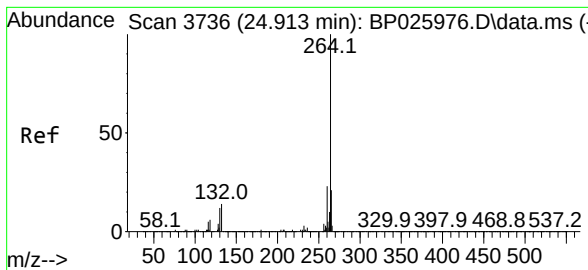
Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

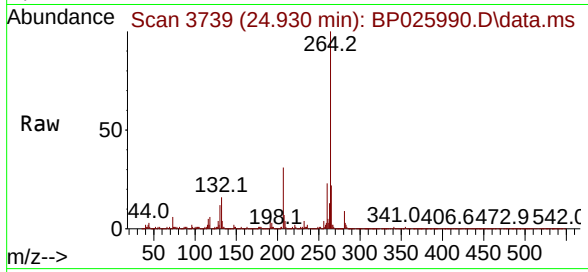
122 9.9 7.1 10.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.930 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP025990.D
Acq: 21 Oct 2025 17:39

Instrument :
BNA_P
ClientSampleId :



Tgt Ion:	264	Resp:	791472
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	22.1	17.7	26.5

