

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
 Data File : BP025310.D
 Acq On : 07 Aug 2025 12:22
 Operator : CG/JU
 Sample : PB169138BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB169138BL

Quant Time: Aug 07 12:55:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

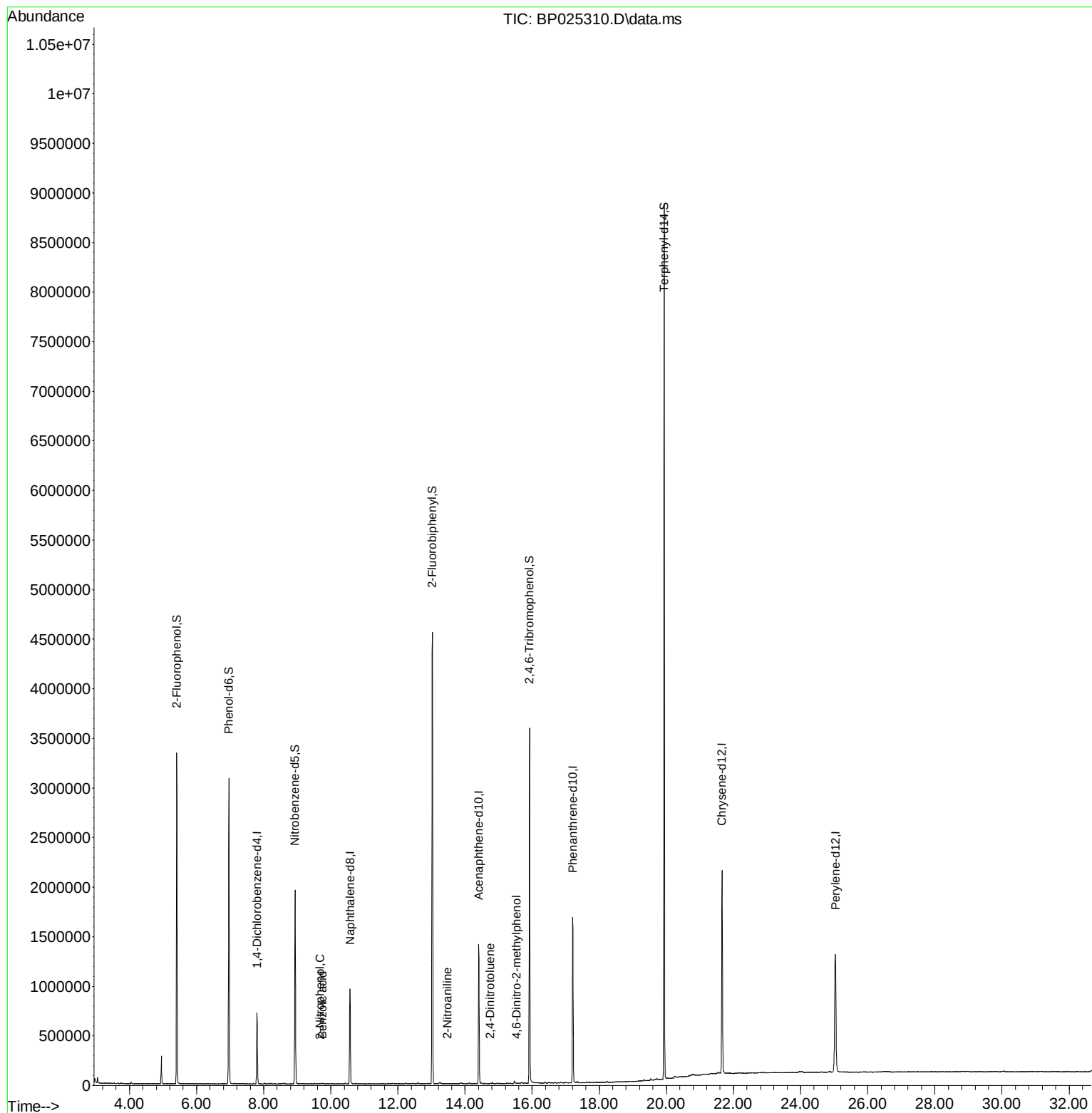
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	203532	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	813012	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	502621	20.000	ng	-0.01
64) Phenanthrene-d10	17.207	188	1047079	20.000	ng	-0.02
76) Chrysene-d12	21.660	240	1143688	20.000	ng	0.00
86) Perylene-d12	25.036	264	1233415	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1430576	113.048	ng	0.00
7) Phenol-d6	6.961	99	1785086	107.184	ng	0.00
23) Nitrobenzene-d5	8.937	82	1074954	73.251	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	588171	117.301	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	2578759	70.865	ng	0.00
79) Terphenyl-d14	19.930	244	4254215	70.258	ng	-0.01
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.684	139	647	3.737	ng	# 80
32) Benzoic acid	9.749	122	2922	6.390	ng	# 44
48) 2-Nitroaniline	13.466	65	1116	3.090	ng	89
57) 2,4-Dinitrotoluene	14.754	165	911	3.336	ng	88
65) 4,6-Dinitro-2-methylph...	15.537	198	368	4.929	ng	# 77

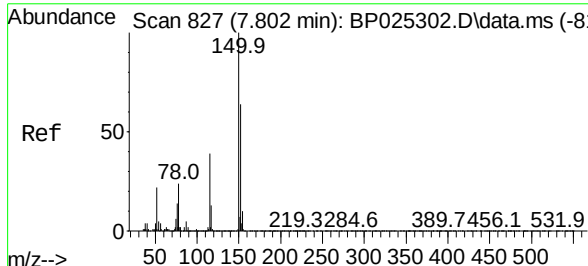
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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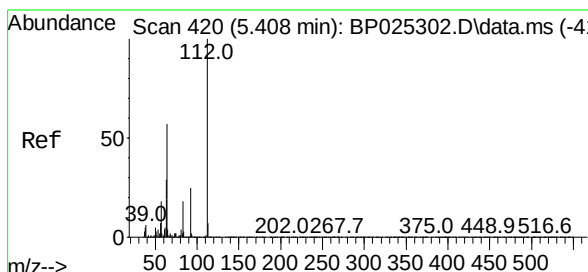
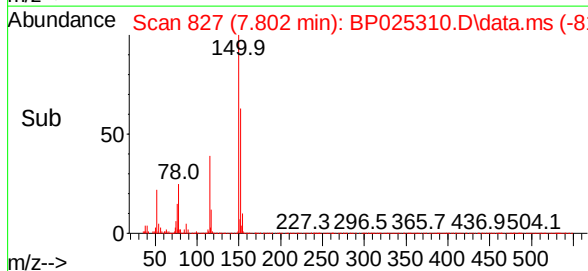
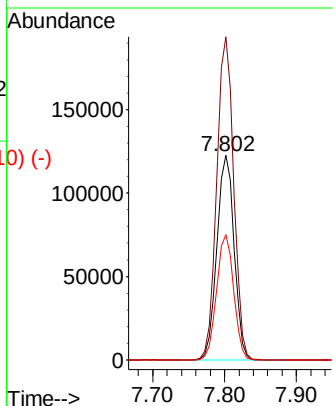
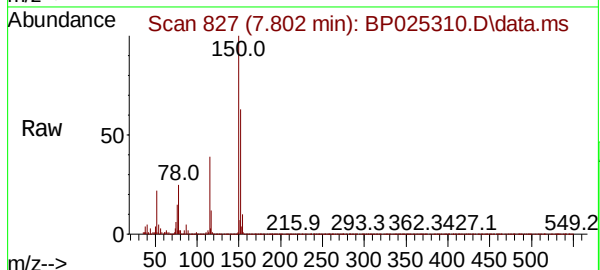




1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 827
Delta R.T. -0.000 min
Lab File: BP025310.D
Acq: 07 Aug 2025 12:22

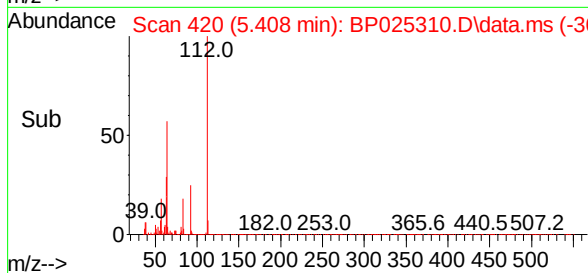
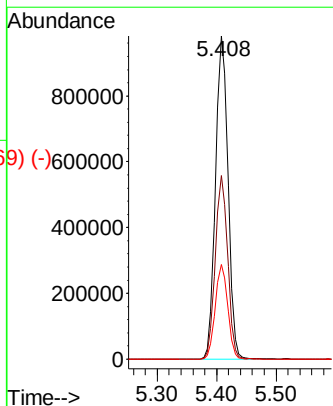
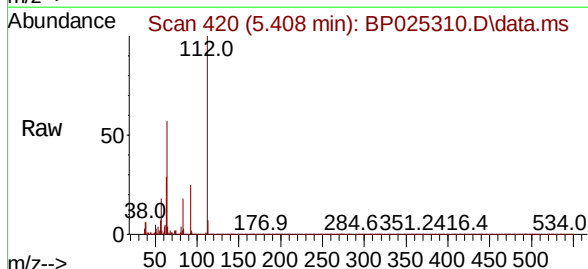
Instrument :
BNA_P
ClientSampleId :
PB169138BL

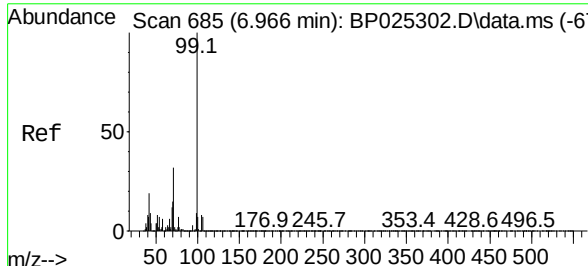
Tgt Ion:	152	Resp:	203532
Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.1	187.7
115	61.3	48.4	72.6



2-Fluorophenol
Concen: 113.048 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025310.D
Acq: 07 Aug 2025 12:22

Tgt Ion:	112	Resp:	1430576
Ion	Ratio	Lower	Upper
112	100		
64	56.8	45.3	67.9
63	29.3	23.0	34.6

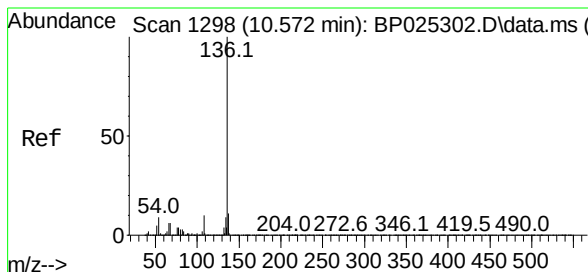
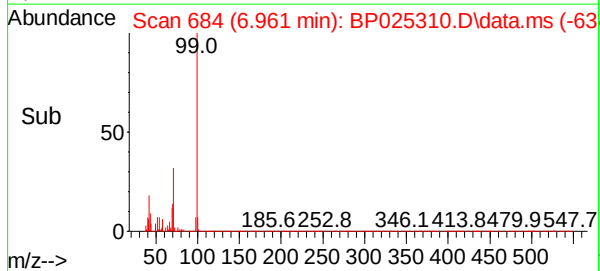
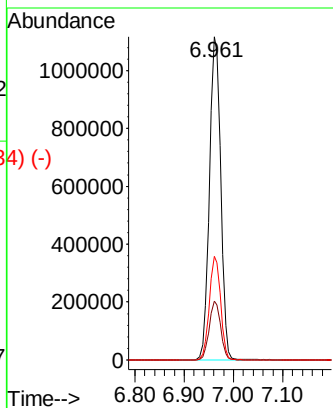
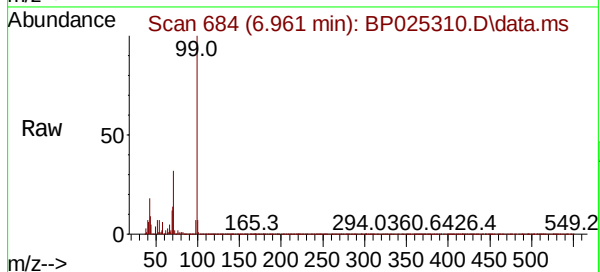




Phenol-d6
 Concen: 107.184 ng
 RT: 6.961 min Scan# 1297
 Delta R.T. -0.005 min
 Lab File: BP025310.D
 Acq: 07 Aug 2025 12:22

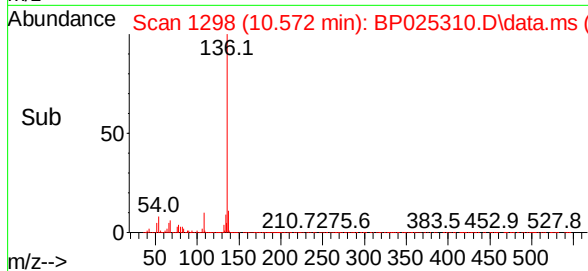
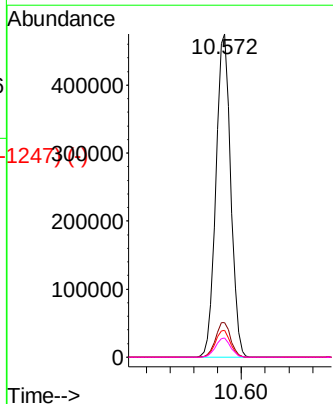
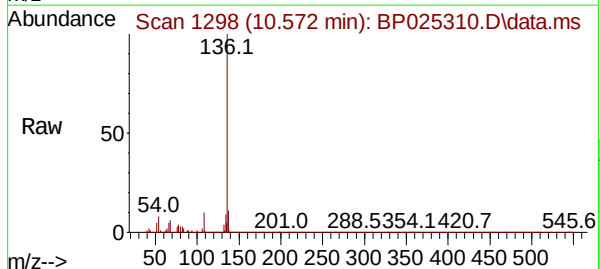
Instrument :
 BNA_P
 ClientSampleId :
 PB169138BL

Tgt Ion:	99	Resp:	1785086
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.0	22.6
71	32.0	25.5	38.3



Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.572 min Scan# 1298
 Delta R.T. 0.000 min
 Lab File: BP025310.D
 Acq: 07 Aug 2025 12:22

Tgt Ion:	136	Resp:	813012
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.3	7.0	10.6
68	6.0	5.0	7.6



Abundance Scan 1021 (8.943 min): BP025302.D\data.ms (-1021-)

Nitrobenzene-d5

Concen: 73.251 ng

RT: 8.937 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BP025310.D

Acq: 07 Aug 2025 12:22

Instrument :

BNA_P

ClientSampleId :

PB169138BL

Tgt Ion: 82 Resp: 1074954

Ion Ratio Lower Upper

82 100

128 46.4 35.4 53.2

54 52.7 42.9 64.3

Abundance Scan 1020 (8.937 min): BP025310.D\data.ms

Ref

82.0

146.8213.2 283.6 389.6 460.9526.9

m/z-->

50 100 150 200 250 300 350 400 450 500

Abundance Scan 1020 (8.937 min): BP025310.D\data.ms

Raw

82.1

158.9 283.1347.8414.2 539.7

m/z-->

50 100 150 200 250 300 350 400 450 500

Abundance Scan 1020 (8.937 min): BP025310.D\data.ms (-970) (-)

Sub

82.1

177.3243.1 338.3404.0469.1536.0

m/z-->

50 100 150 200 250 300 350 400 450 500

Abundance

8.937

600000

400000

200000

0

Time-->

8.80 8.90 9.00

Abundance Scan 1147 (9.684 min): BP025302.D\data.ms (-1147-)

2-Nitrophenol

Concen: 3.737 ng

RT: 9.684 min Scan# 1147

Delta R.T. -0.000 min

Lab File: BP025310.D

Acq: 07 Aug 2025 12:22

Tgt Ion:139 Resp: 647

Ion Ratio Lower Upper

139 100

109 33.8 25.2 37.8

65 70.6 39.6 59.4#

Abundance Scan 1147 (9.684 min): BP025310.D\data.ms

Ref

44.0

139.0207.0 280.8350.2417.0 544.2

m/z-->

50 100 150 200 250 300 350 400 450 500

Abundance Scan 1147 (9.684 min): BP025310.D\data.ms (-1096) (-)

Raw

39.1 139.0

266.6 341.0411.0475.7 548.7

m/z-->

50 100 150 200 250 300 350 400 450 500

Abundance

9.684

300

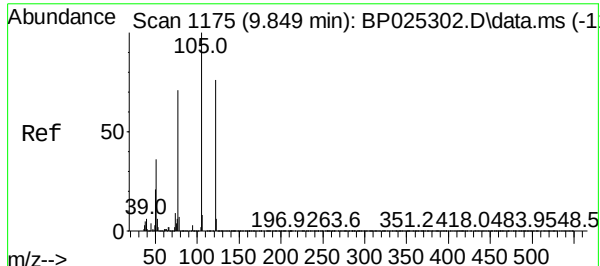
200

100

0

Time-->

9.65 9.70



Benzoic acid

Concen: 6.390 ng

RT: 9.749 min Scan# 1175

Delta R.T. -0.100 min

Lab File: BP025310.D

Acq: 07 Aug 2025 12:22

Instrument :

BNA_P

ClientSampleId :

PB169138BL

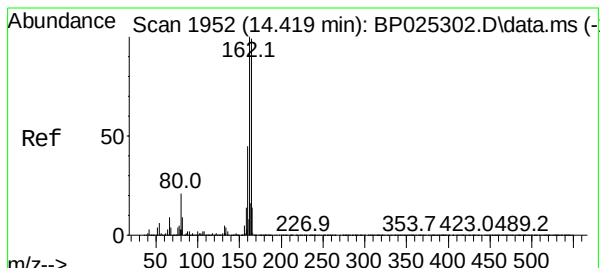
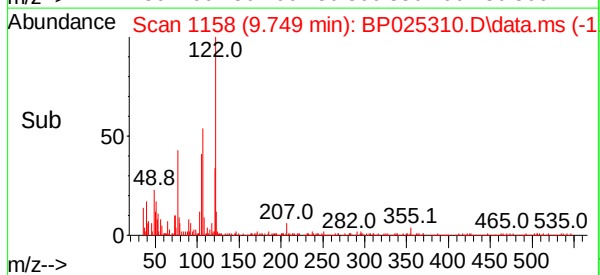
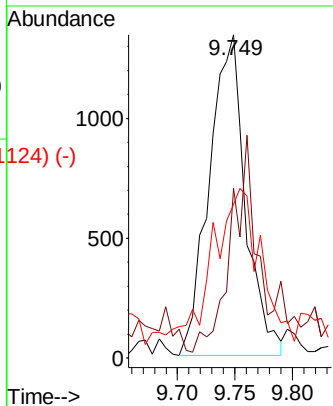
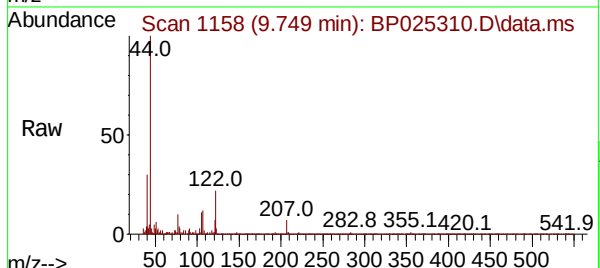
Tgt Ion:122 Resp: 2922

Ion Ratio Lower Upper

122 100

105 53.0 104.0 144.0#

77 47.5 71.8 111.8#



Acenaphthene-d10

Concen: 20.000 ng

RT: 14.407 min Scan# 1950

Delta R.T. -0.012 min

Lab File: BP025310.D

Acq: 07 Aug 2025 12:22

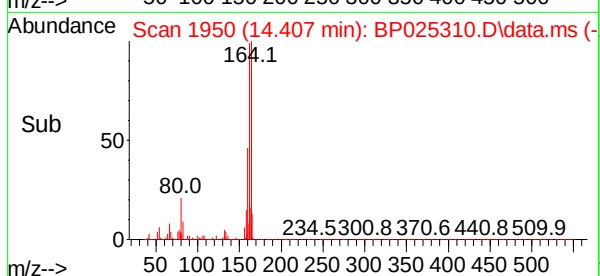
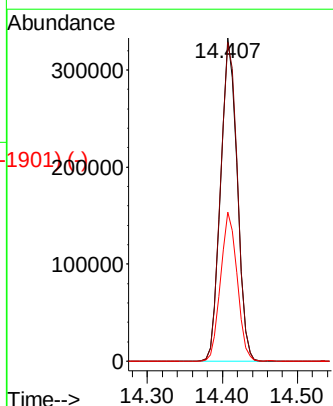
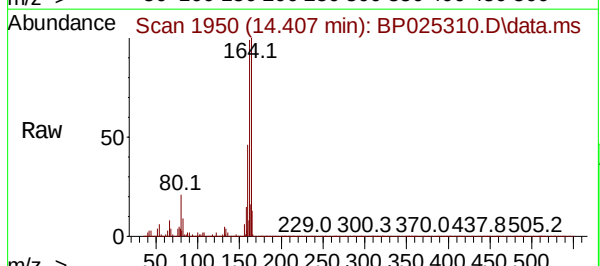
Tgt Ion:164 Resp: 502621

Ion Ratio Lower Upper

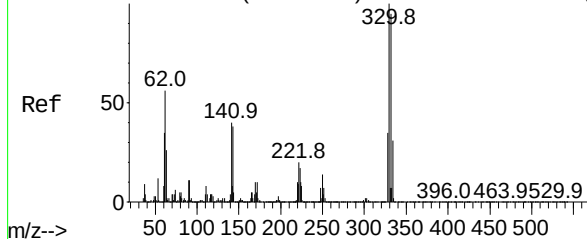
164 100

162 98.5 80.6 120.8

160 46.0 35.9 53.9



Abundance Scan 2208 (15.925 min): BP025302.D\data.ms (-2208) (-)

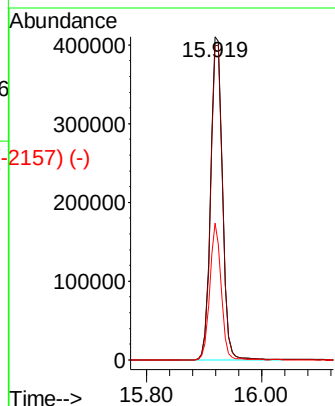
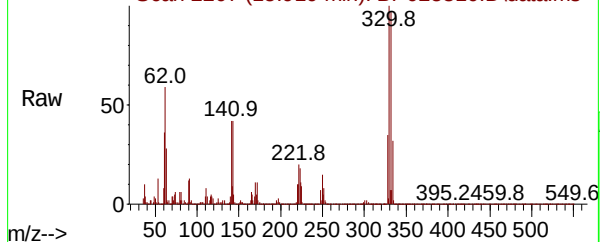


2,4,6-Tribromophenol
Concen: 117.301 ng
RT: 15.919 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BP025310.D
Acq: 07 Aug 2025 12:22

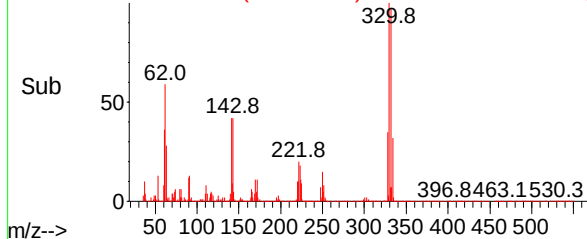
Instrument :
BNA_P
ClientSampleId :
PB169138BL

Tgt Ion:	330	Resp:	588171
Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.0
141	40.5	31.7	47.5

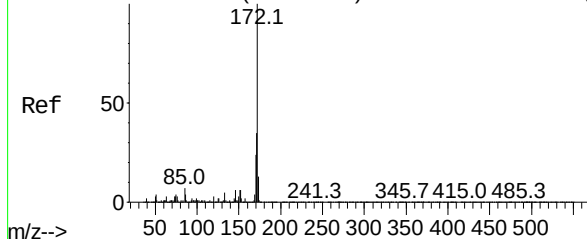
Abundance Scan 2207 (15.919 min): BP025310.D\data.ms



Abundance Scan 2207 (15.919 min): BP025310.D\data.ms (-2157) (-)



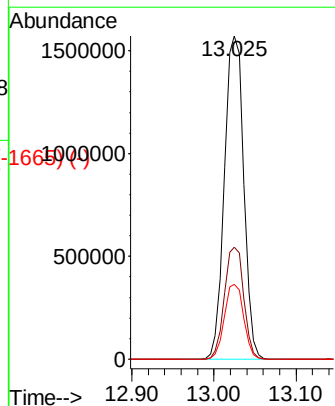
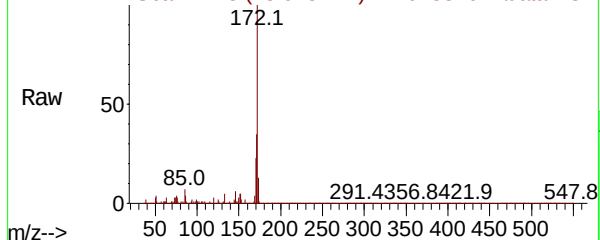
Abundance Scan 1716 (13.031 min): BP025302.D\data.ms (-1716) (-)



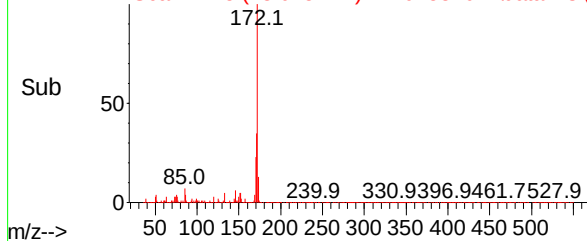
2-Fluorobiphenyl
Concen: 70.865 ng
RT: 13.025 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BP025310.D
Acq: 07 Aug 2025 12:22

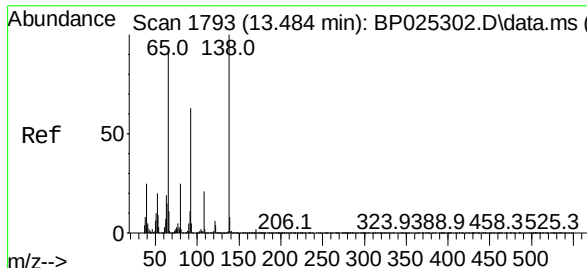
Tgt Ion:	172	Resp:	2578759
Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.9	41.9
170	23.1	18.9	28.3

Abundance Scan 1715 (13.025 min): BP025310.D\data.ms



Abundance Scan 1715 (13.025 min): BP025310.D\data.ms (-1665) (-)

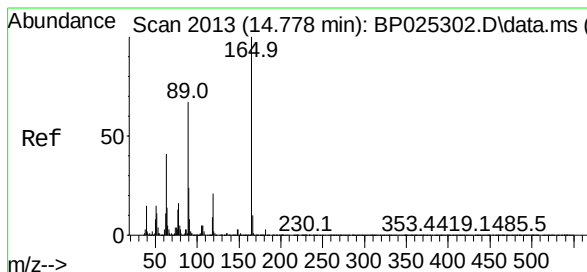
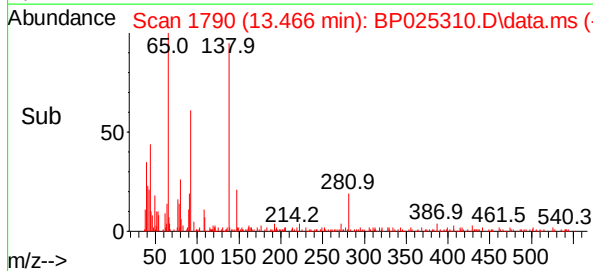
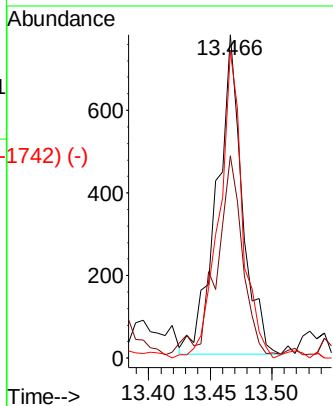
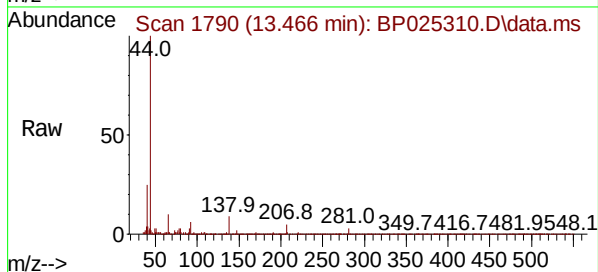




2-Nitroaniline
Concen: 3.090 ng
RT: 13.466 min Scan# 1793
Delta R.T. -0.018 min
Lab File: BP025310.D
Acq: 07 Aug 2025 12:22

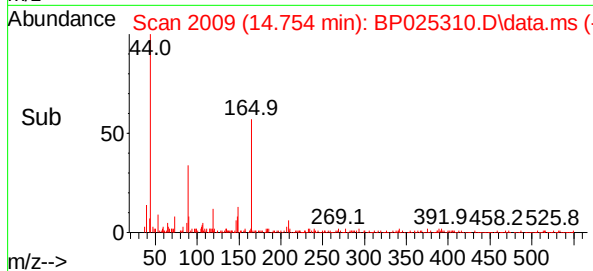
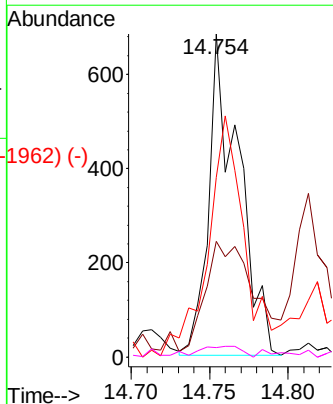
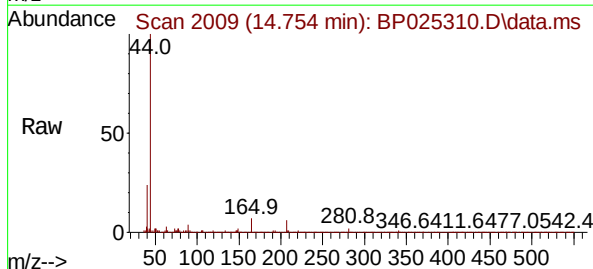
Instrument :
BNA_P
ClientSampleId :
PB169138BL

Tgt Ion:	65	Resp:	1116
Ion	Ratio	Lower	Upper
65	100		
92	62.6	54.4	81.6
138	94.8	87.0	130.4

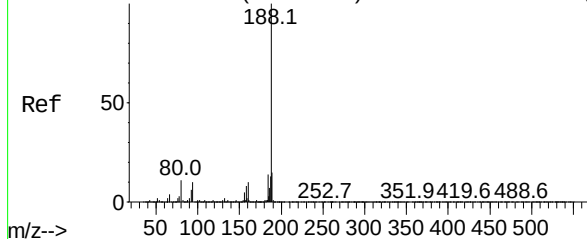


2,4-Dinitrotoluene
Concen: 3.336 ng
RT: 14.754 min Scan# 2009
Delta R.T. -0.024 min
Lab File: BP025310.D
Acq: 07 Aug 2025 12:22

Tgt Ion:	165	Resp:	911
Ion	Ratio	Lower	Upper
165	100		
63	35.9	33.2	49.8
89	55.5	53.5	80.3
182	2.9	2.2	3.4



Abundance Scan 2429 (17.225 min): BP025302.D\data.ms (-2418) (-)



Phenanthrene-d10

Concen: 20.000 ng

RT: 17.207 min Scan# 2429

Delta R.T. -0.018 min

Lab File: BP025310.D

Acq: 07 Aug 2025 12:22

Instrument :

BNA_P

ClientSampleId :

PB169138BL

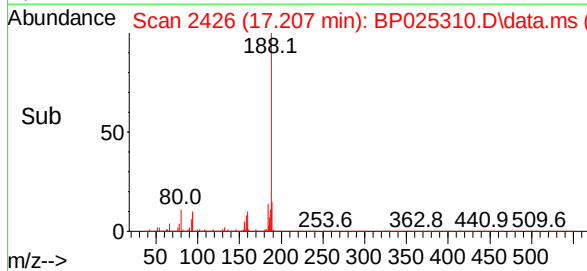
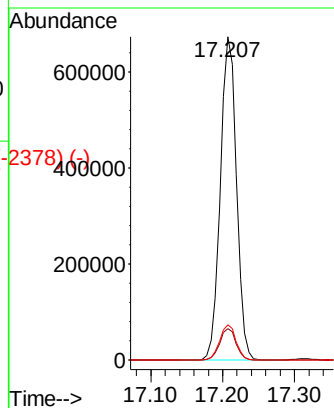
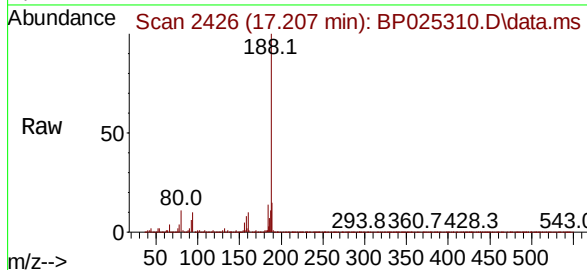
Tgt Ion:188 Resp: 1047079

Ion Ratio Lower Upper

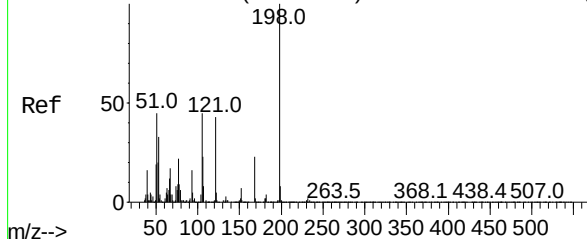
188 100

94 9.7 8.0 12.0

80 11.0 8.5 12.7



Abundance Scan 2146 (15.560 min): BP025302.D\data.ms (-2145) (-)



4,6-Dinitro-2-methylphenol

Concen: 4.929 ng

RT: 15.537 min Scan# 2142

Delta R.T. -0.023 min

Lab File: BP025310.D

Acq: 07 Aug 2025 12:22

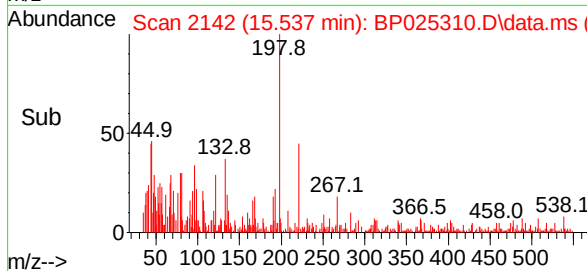
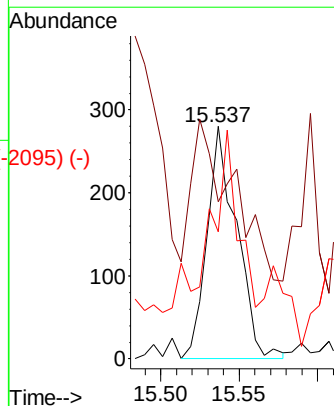
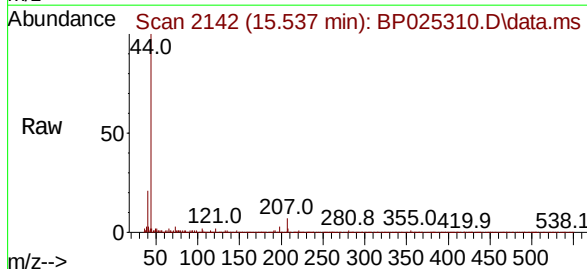
Tgt Ion:198 Resp: 368

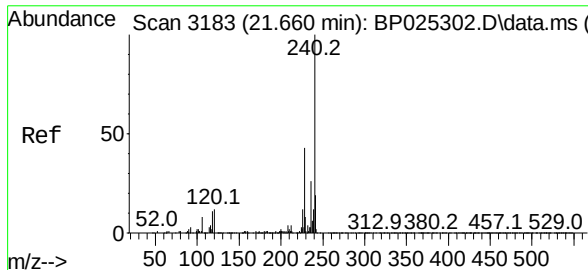
Ion Ratio Lower Upper

198 100

51 67.5 26.7 66.7#

105 54.6 25.6 65.6

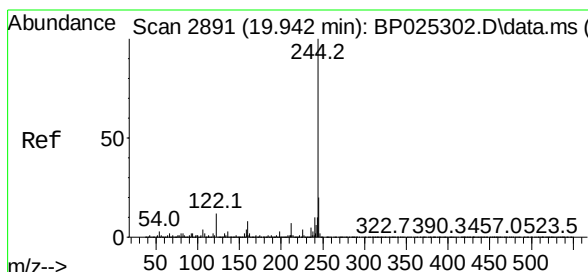
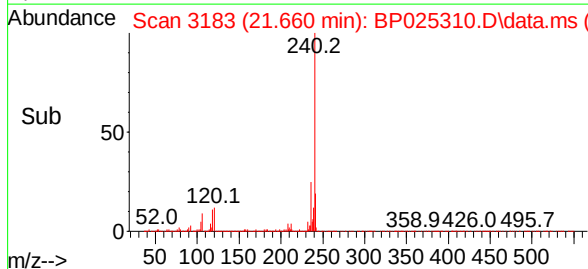
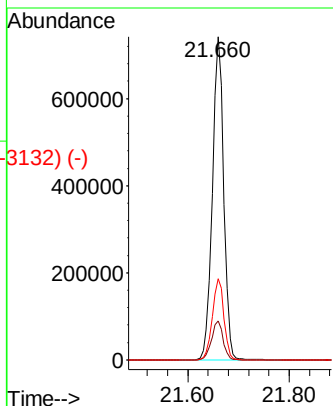
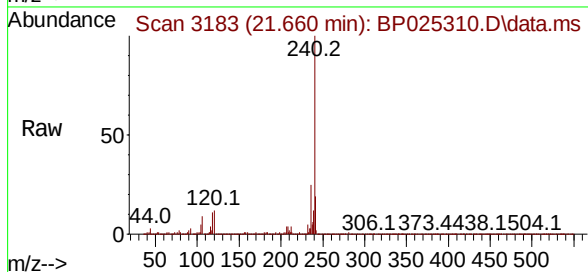




Chrysene-d12
 Concen: 20.000 ng
 RT: 21.660 min Scan# 3183
 Delta R.T. -0.000 min
 Lab File: BP025310.D
 Acq: 07 Aug 2025 12:22

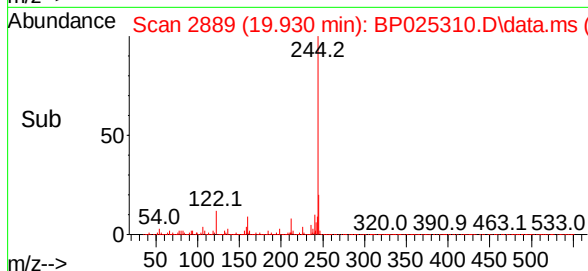
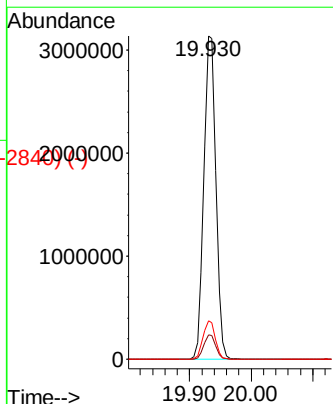
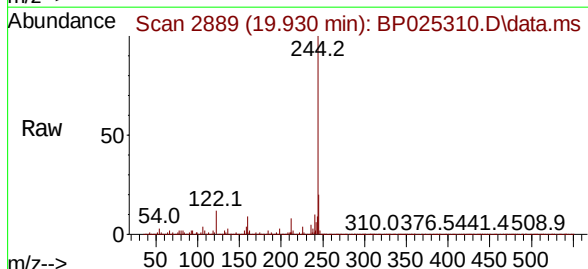
Instrument :
 BNA_P
 ClientSampleId :
 PB169138BL

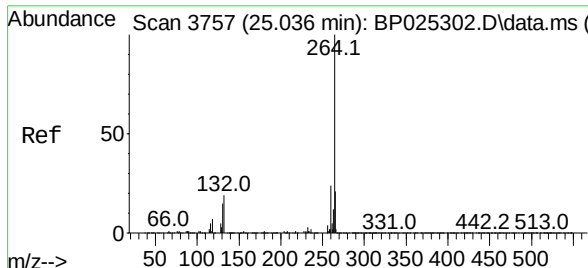
Tgt Ion:240 Resp: 1143688
 Ion Ratio Lower Upper
 240 100
 120 12.0 9.6 14.4
 236 25.1 20.4 30.6



Terphenyl-d14
 Concen: 70.258 ng
 RT: 19.930 min Scan# 2889
 Delta R.T. -0.012 min
 Lab File: BP025310.D
 Acq: 07 Aug 2025 12:22

Tgt Ion:244 Resp: 4254215
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.9 8.9
 122 11.9 9.5 14.3





Perylene-d12
 Concen: 20.000 ng
 RT: 25.036 min Scan# 3756
 Delta R.T. 0.000 min
 Lab File: BP025310.D
 Acq: 07 Aug 2025 12:22

Instrument :
 BNA_P
 ClientSampleId :
 PB169138BL

Tgt Ion:	264	Resp:	1233415
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	17.1	25.7

