

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052325\
 Data File : BP024801.D
 Acq On : 23 May 2025 20:32
 Operator : RC/JU
 Sample : Q2073-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GDW2

Quant Time: May 24 00:04:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

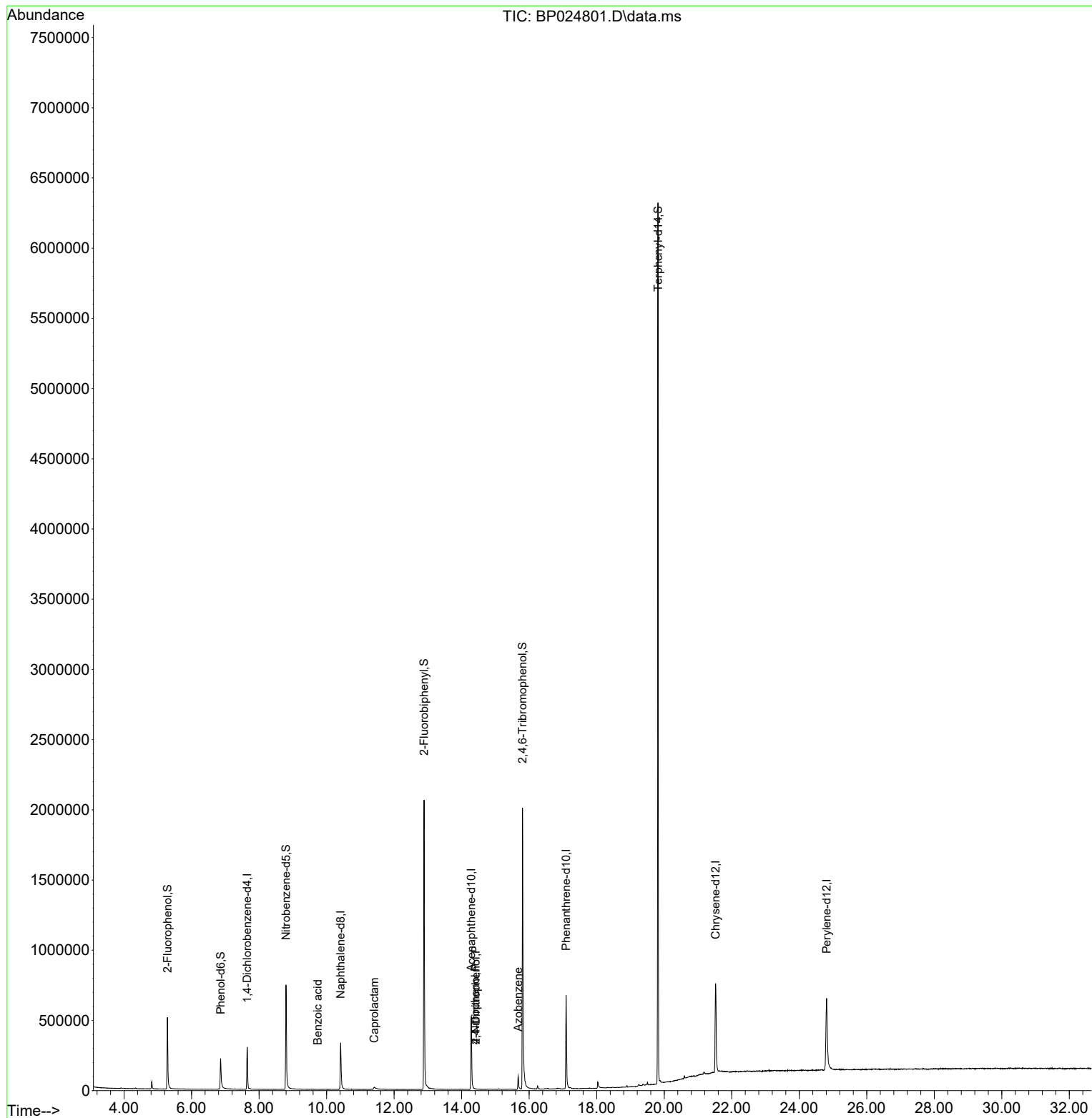
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	87294	20.000	ng	-0.01
21) Naphthalene-d8	10.416	136	334159	20.000	ng	-0.02
39) Acenaphthene-d10	14.287	164	218481	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	466964	20.000	ng	0.00
76) Chrysene-d12	21.522	240	546335	20.000	ng	0.00
86) Perylene-d12	24.810	264	656670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	264667	51.857	ng	0.00
7) Phenol-d6	6.864	99	176066	27.029	ng	0.01
23) Nitrobenzene-d5	8.799	82	451240	68.230	ng	-0.01
42) 2,4,6-Tribromophenol	15.804	330	524322	141.560	ng	0.00
45) 2-Fluorobiphenyl	12.887	172	1129754	67.746	ng	-0.02
79) Terphenyl-d14	19.816	244	2486402	78.037	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.734	122	22	7.474	ng	# 1
35) Caprolactam	11.410	113	7936	4.502	ng	# 88
54) 2,4-Dinitrophenol	14.422	184	9	6.405	ng	# 65
56) 4-Nitrophenol	14.404	139	25	4.242	ng	# 91
63) Azobenzene	15.675	77	33057	2.296	ng	# 1

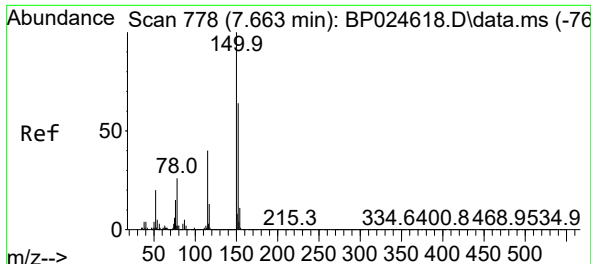
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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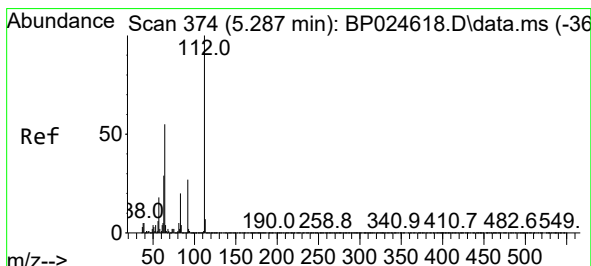
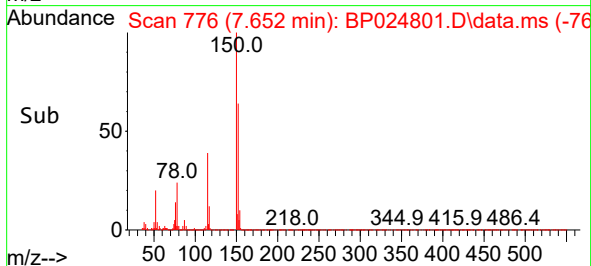
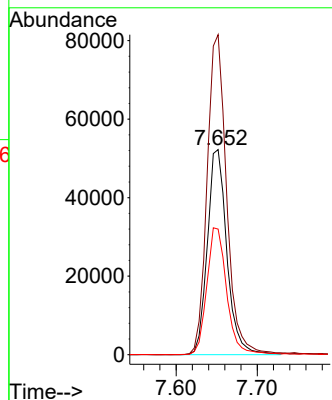
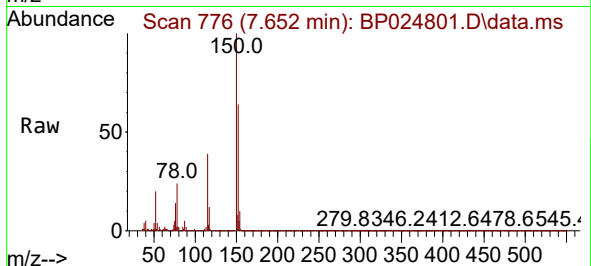




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

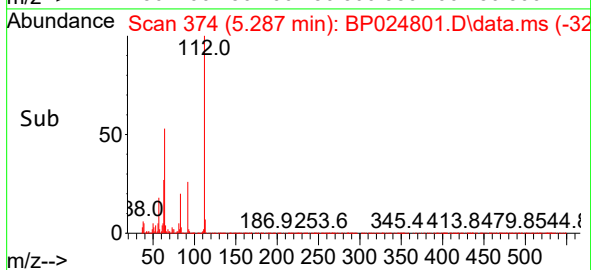
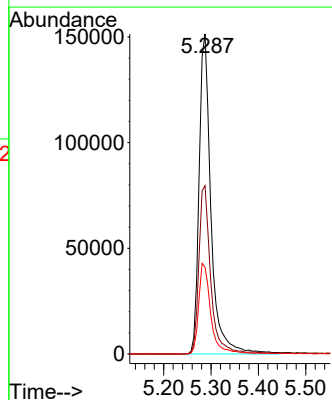
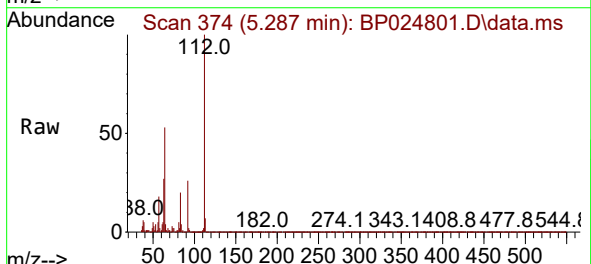
Instrument :
BNA_P
ClientSampleId :
GDW2

Tgt Ion:152 Resp: 87294
Ion Ratio Lower Upper
152 100
150 156.0 125.9 188.9
115 61.2 50.1 75.1



#5
2-Fluorophenol
Concen: 51.857 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:112 Resp: 264667
Ion Ratio Lower Upper
112 100
64 52.6 44.1 66.1
63 27.2 23.5 35.3

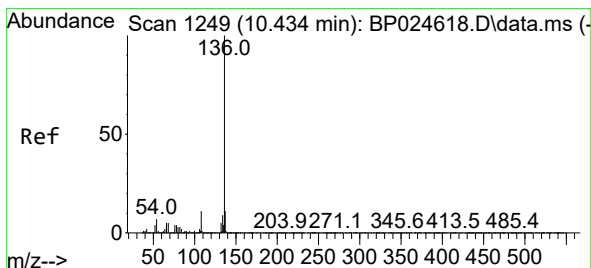
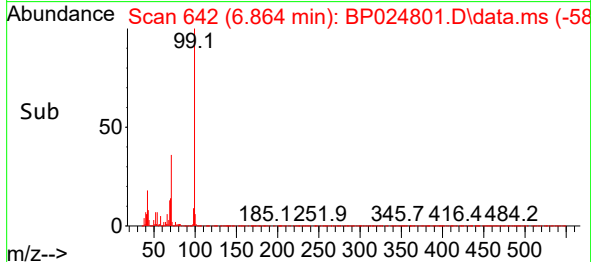
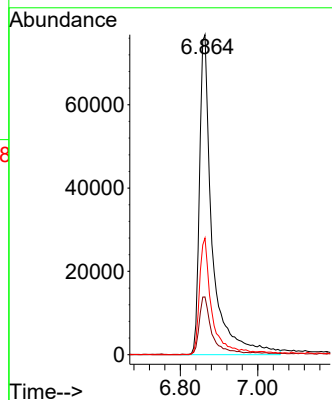
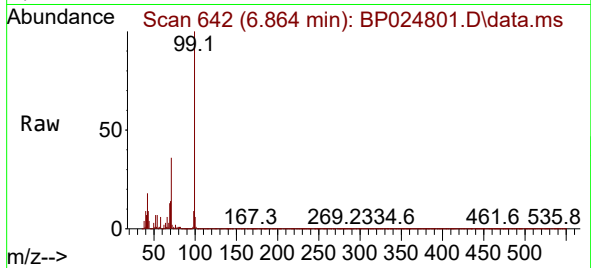




#7
Phenol-d6
Concen: 27.029 ng
RT: 6.864 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

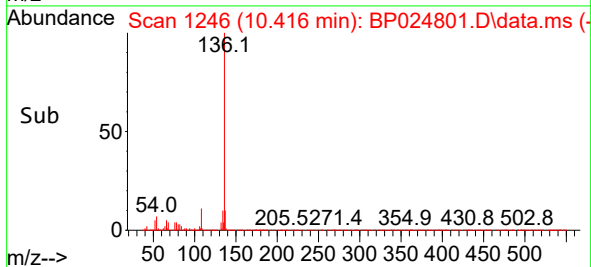
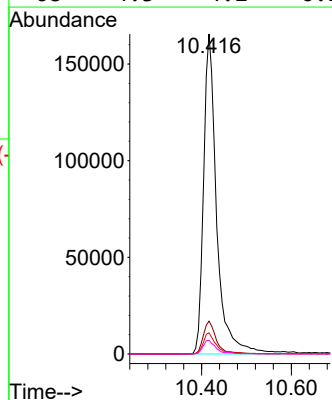
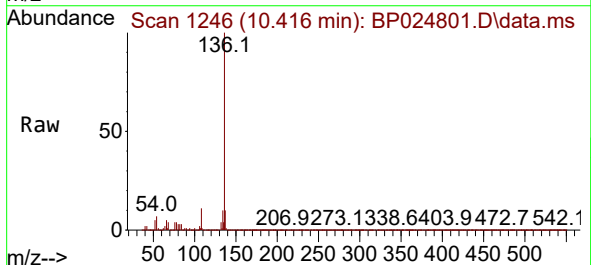
Instrument :
BNA_P
ClientSampleId :
GDW2

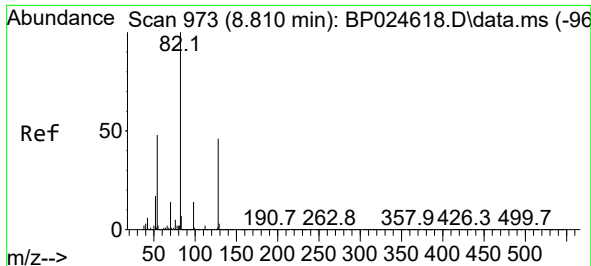
Tgt Ion: 99 Resp: 176066
Ion Ratio Lower Upper
99 100
42 18.1 14.4 21.6
71 36.4 29.2 43.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.018 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:136 Resp: 334159
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 6.6 5.5 8.3
68 4.3 4.2 6.2

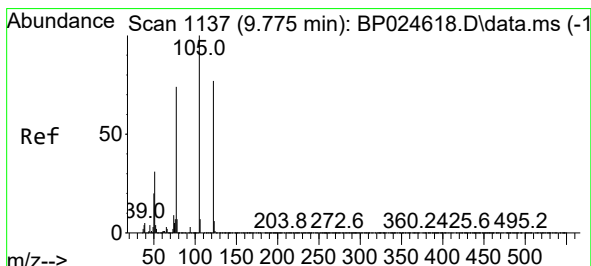
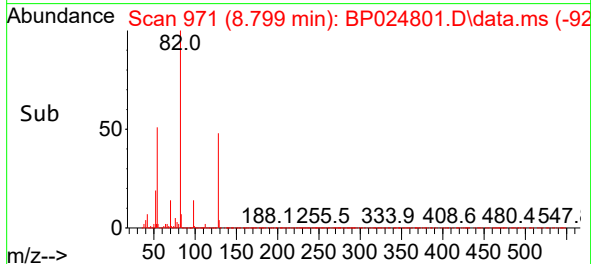
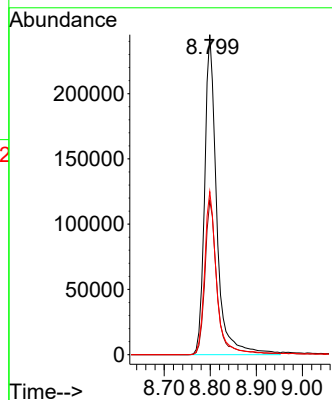
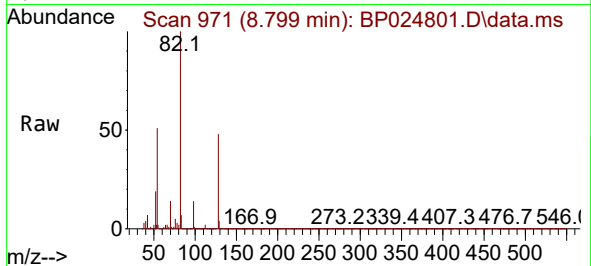




#23
Nitrobenzene-d5
Concen: 68.230 ng
RT: 8.799 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

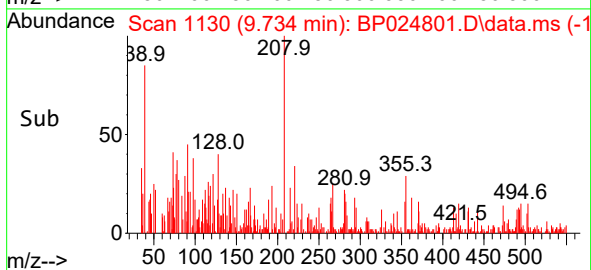
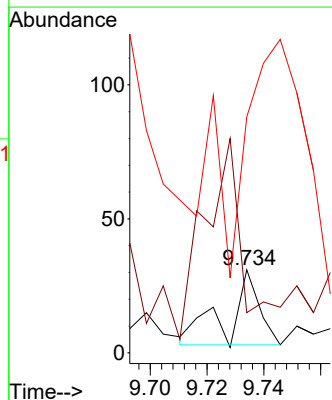
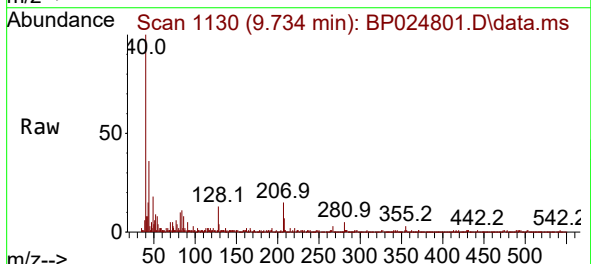
Instrument :
BNA_P
ClientSampleId :
GDW2

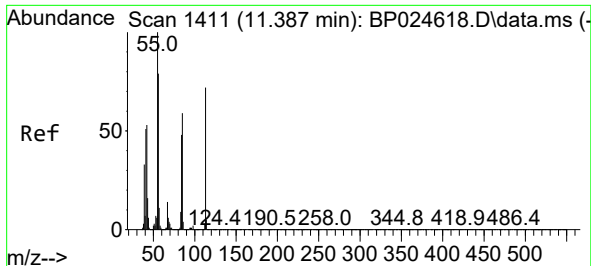
Tgt Ion: 82 Resp: 451240
Ion Ratio Lower Upper
82 100
128 48.2 37.0 55.4
54 51.0 38.7 58.1



#32
Benzoic acid
Concen: 7.474 ng
RT: 9.734 min Scan# 1130
Delta R.T. -0.041 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion: 122 Resp: 22
Ion Ratio Lower Upper
122 100
105 48.4 106.9 146.9#
77 283.9 75.1 115.1#

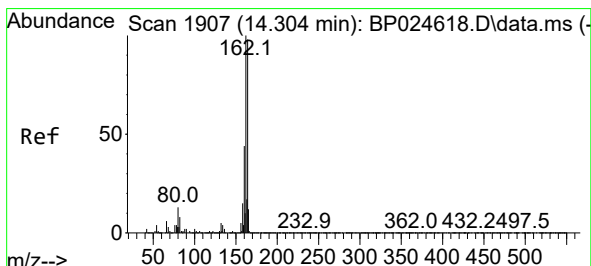
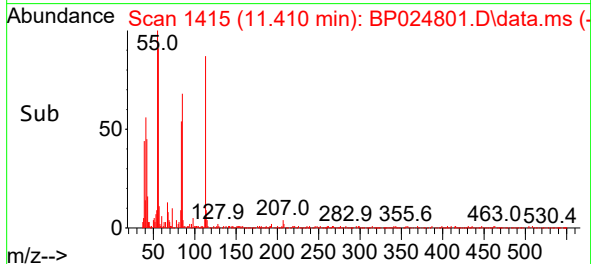
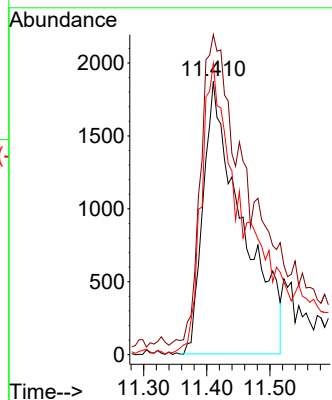
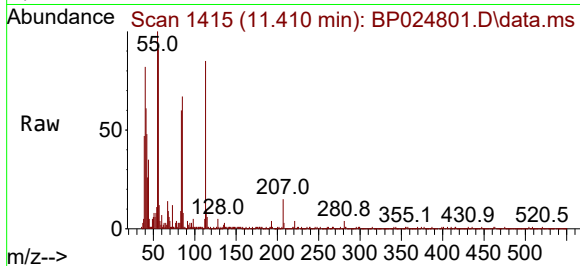




#35
Caprolactam
Concen: 4.502 ng
RT: 11.410 min Scan# 1411
Delta R.T. 0.024 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

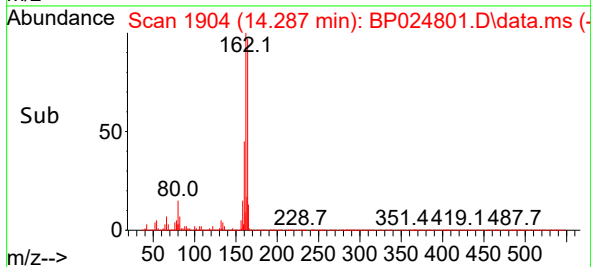
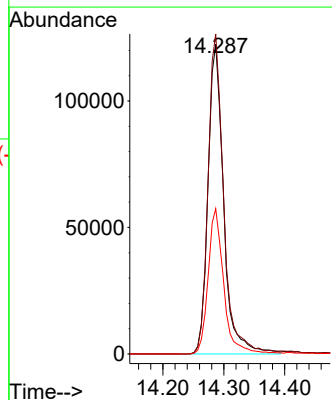
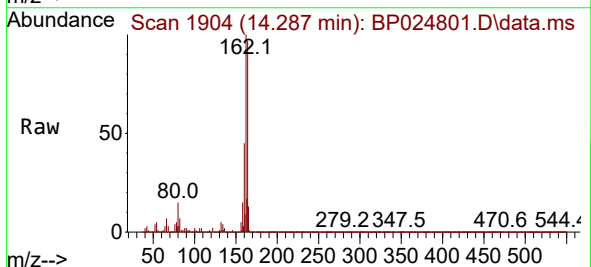
Instrument :
BNA_P
ClientSampleId :
GDW2

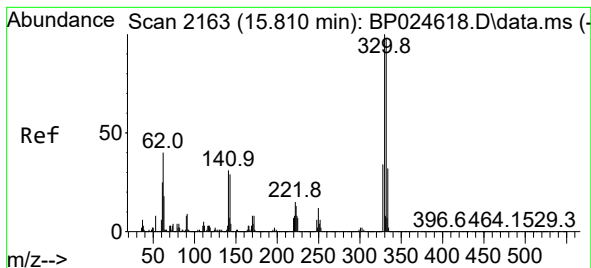
Tgt Ion:113 Resp: 7936
Ion Ratio Lower Upper
113 100
55 117.1 119.0 159.0#
56 106.5 90.3 130.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:164 Resp: 218481
Ion Ratio Lower Upper
164 100
162 103.3 81.8 122.6
160 46.9 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 141.560 ng

RT: 15.804 min Scan# 2162

Delta R.T. -0.006 min

Lab File: BP024801.D

Acq: 23 May 2025 20:32

Instrument :

BNA_P

ClientSampleId :

GDW2

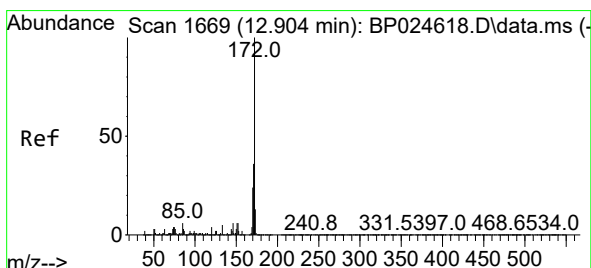
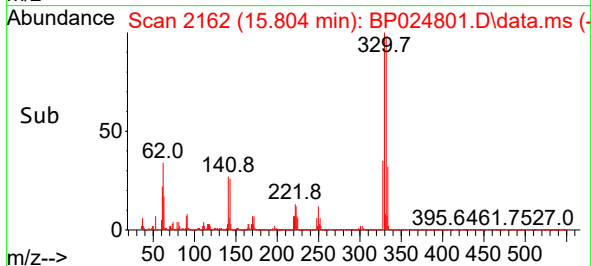
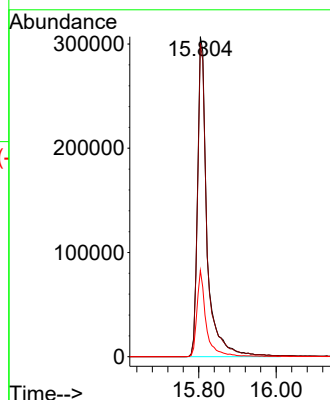
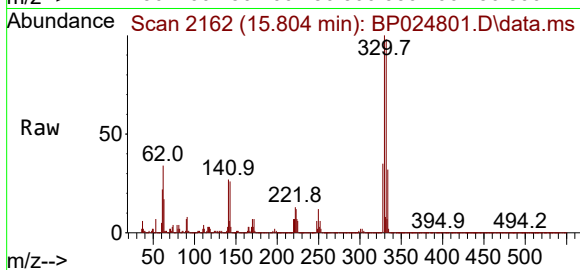
Tgt Ion:330 Resp: 524322

Ion Ratio Lower Upper

330 100

332 97.8 78.2 117.4

141 26.1 24.3 36.5



#45

2-Fluorobiphenyl

Concen: 67.746 ng

RT: 12.887 min Scan# 1666

Delta R.T. -0.018 min

Lab File: BP024801.D

Acq: 23 May 2025 20:32

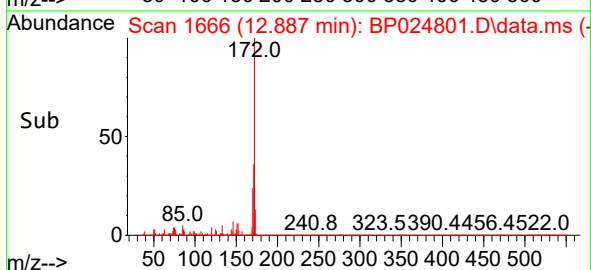
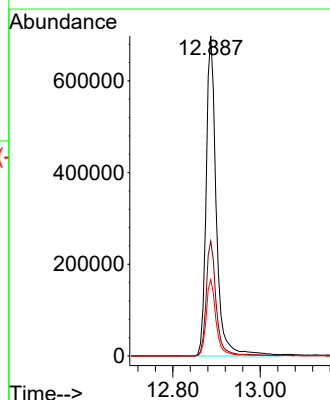
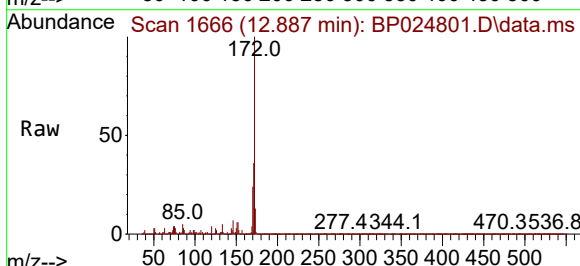
Tgt Ion:172 Resp: 1129754

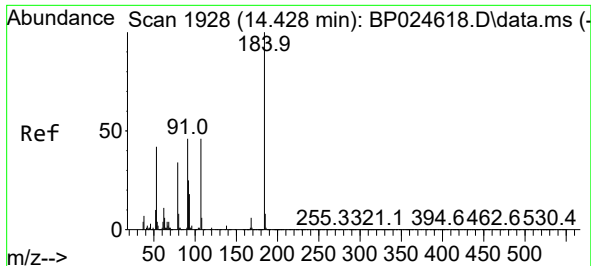
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.8 18.8 28.2

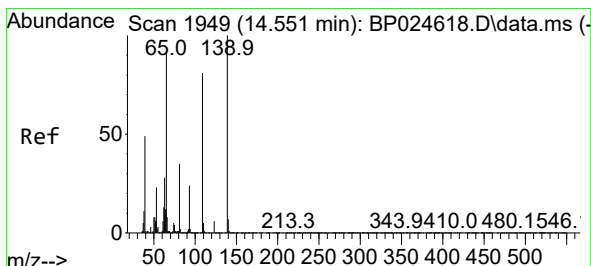
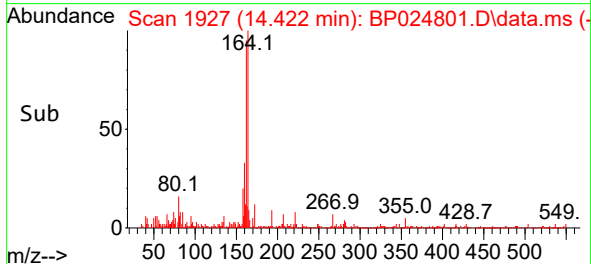
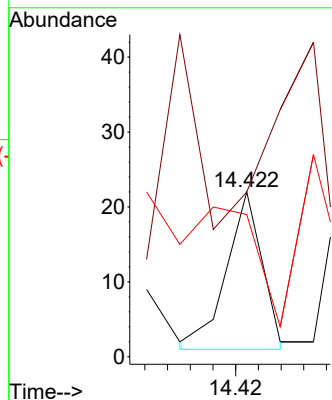
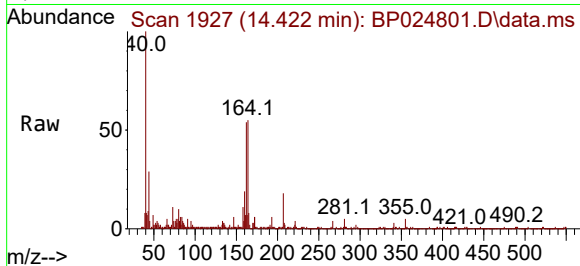




#54
2,4-Dinitrophenol
Concen: 6.405 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

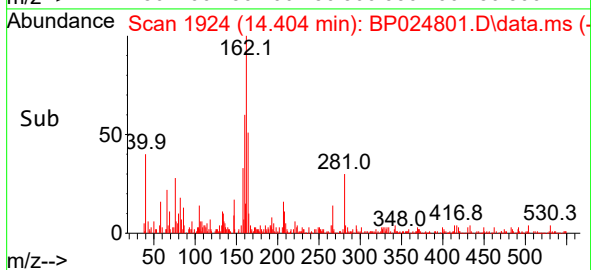
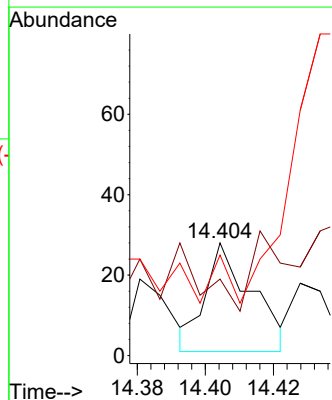
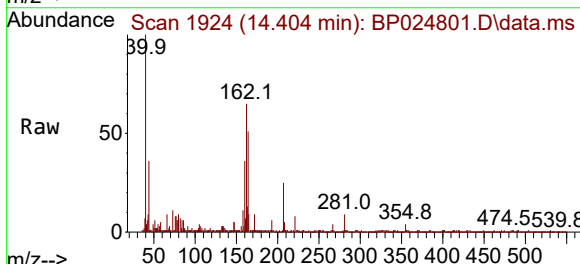
Instrument :
BNA_P
ClientSampleId :
GDW2

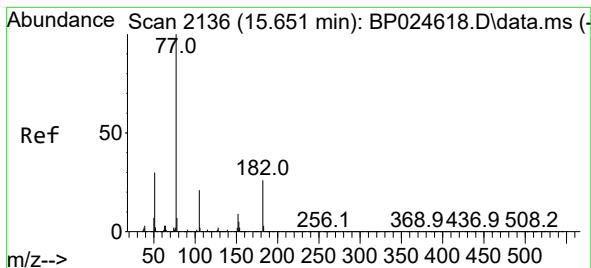
Tgt Ion:184 Resp: 9
Ion Ratio Lower Upper
184 100
63 100.0 51.3 76.9#
154 86.4 53.5 80.3#



#56
4-Nitrophenol
Concen: 4.242 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.147 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:139 Resp: 25
Ion Ratio Lower Upper
139 100
109 67.9 61.4 101.4
65 89.3 72.2 112.2





#63

Azobenzene

Concen: 2.296 ng

RT: 15.675 min Scan# 2136

Delta R.T. 0.024 min

Lab File: BP024801.D

Acq: 23 May 2025 20:32

Instrument :

BNA_P

ClientSampleId :

GDW2

Tgt Ion: 77 Resp: 33057

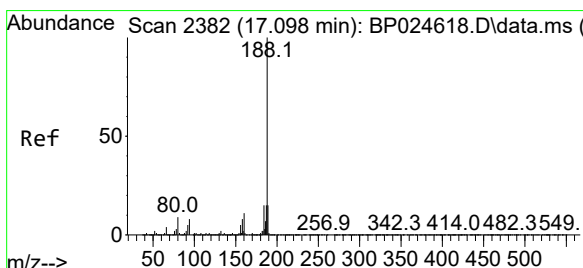
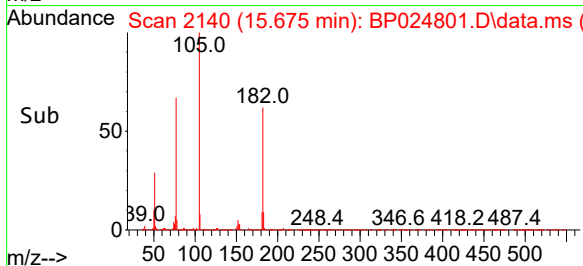
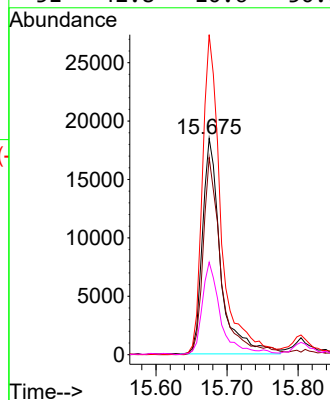
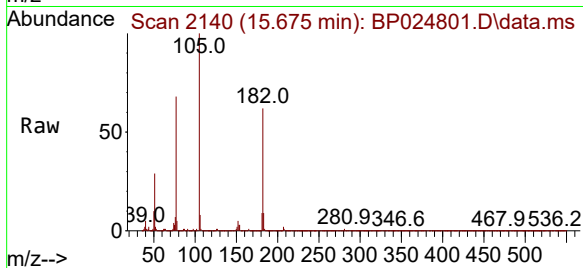
Ion Ratio Lower Upper

77 100

182 91.2 5.7 45.7#

105 148.0 1.3 41.3#

51 42.8 10.6 50.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.092 min Scan# 2381

Delta R.T. -0.006 min

Lab File: BP024801.D

Acq: 23 May 2025 20:32

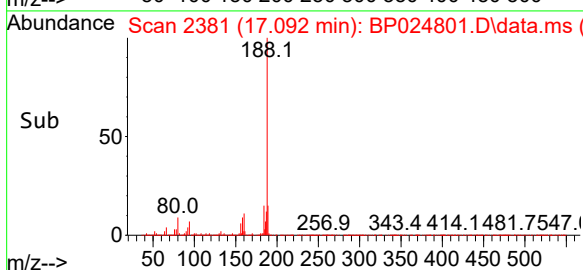
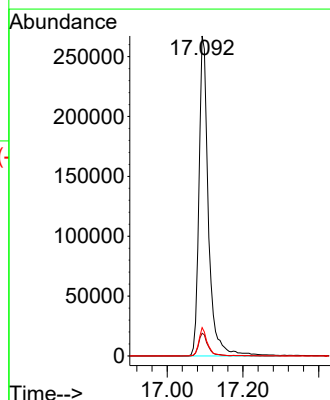
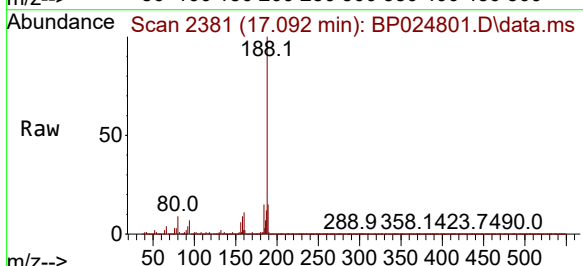
Tgt Ion:188 Resp: 466964

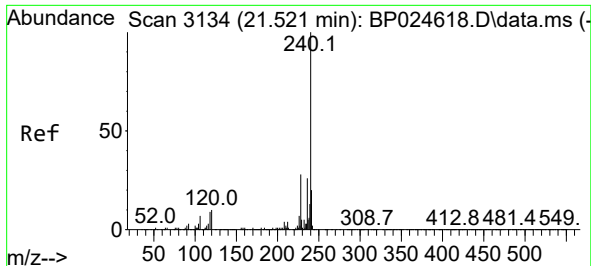
Ion Ratio Lower Upper

188 100

94 7.1 6.5 9.7

80 8.8 7.3 10.9

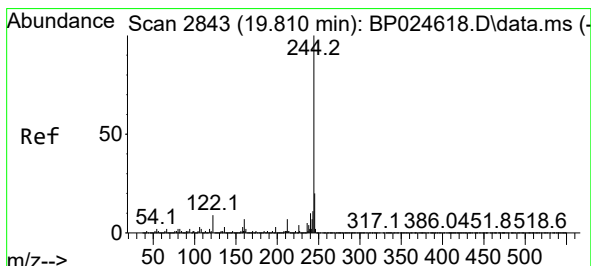
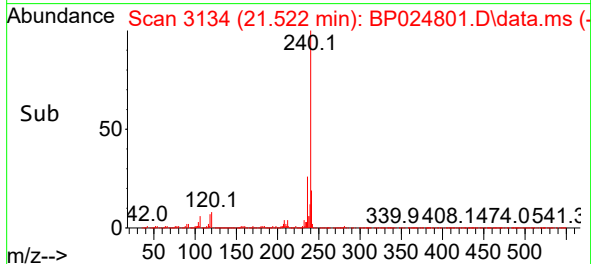
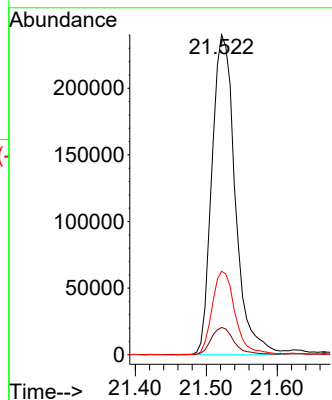
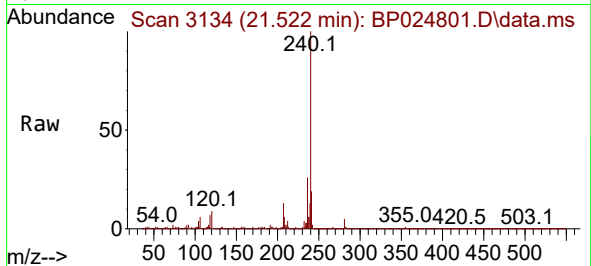




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

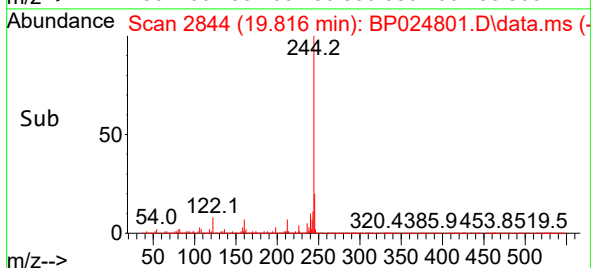
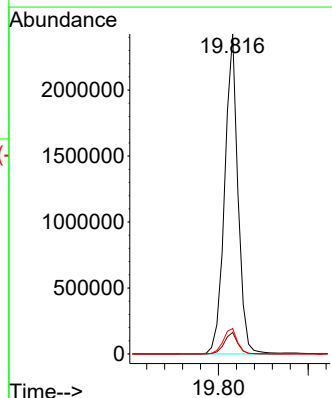
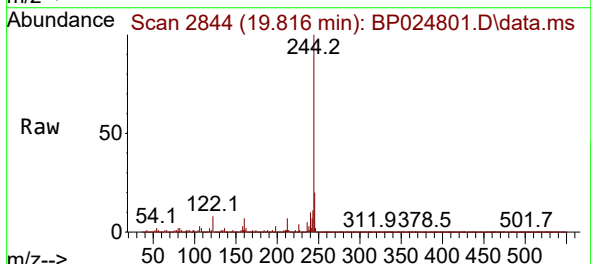
Instrument :
BNA_P
ClientSampleId :
GDW2

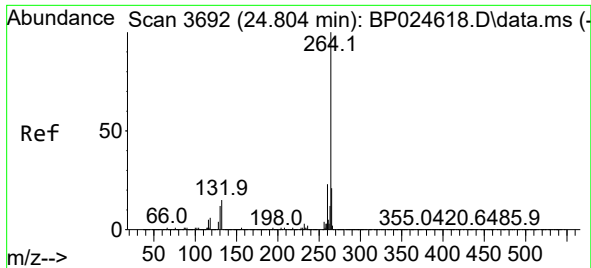
Tgt Ion:240 Resp: 546335
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.6
236 26.0 20.6 31.0



#79
Terphenyl-d14
Concen: 78.037 ng
RT: 19.816 min Scan# 2844
Delta R.T. 0.006 min
Lab File: BP024801.D
Acq: 23 May 2025 20:32

Tgt Ion:244 Resp: 2486402
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 7.9 7.4 11.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.810 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: BP024801.D
 Acq: 23 May 2025 20:32

Instrument :
 BNA_P
 ClientSampleId :
 GDW2

Tgt Ion:264 Resp: 656670
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.9 17.0 25.6

