

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080825\
 Data File : BP025331.D
 Acq On : 08 Aug 2025 13:47
 Operator : CG/JU
 Sample : Q2780-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1

Quant Time: Aug 08 14:07:48 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)

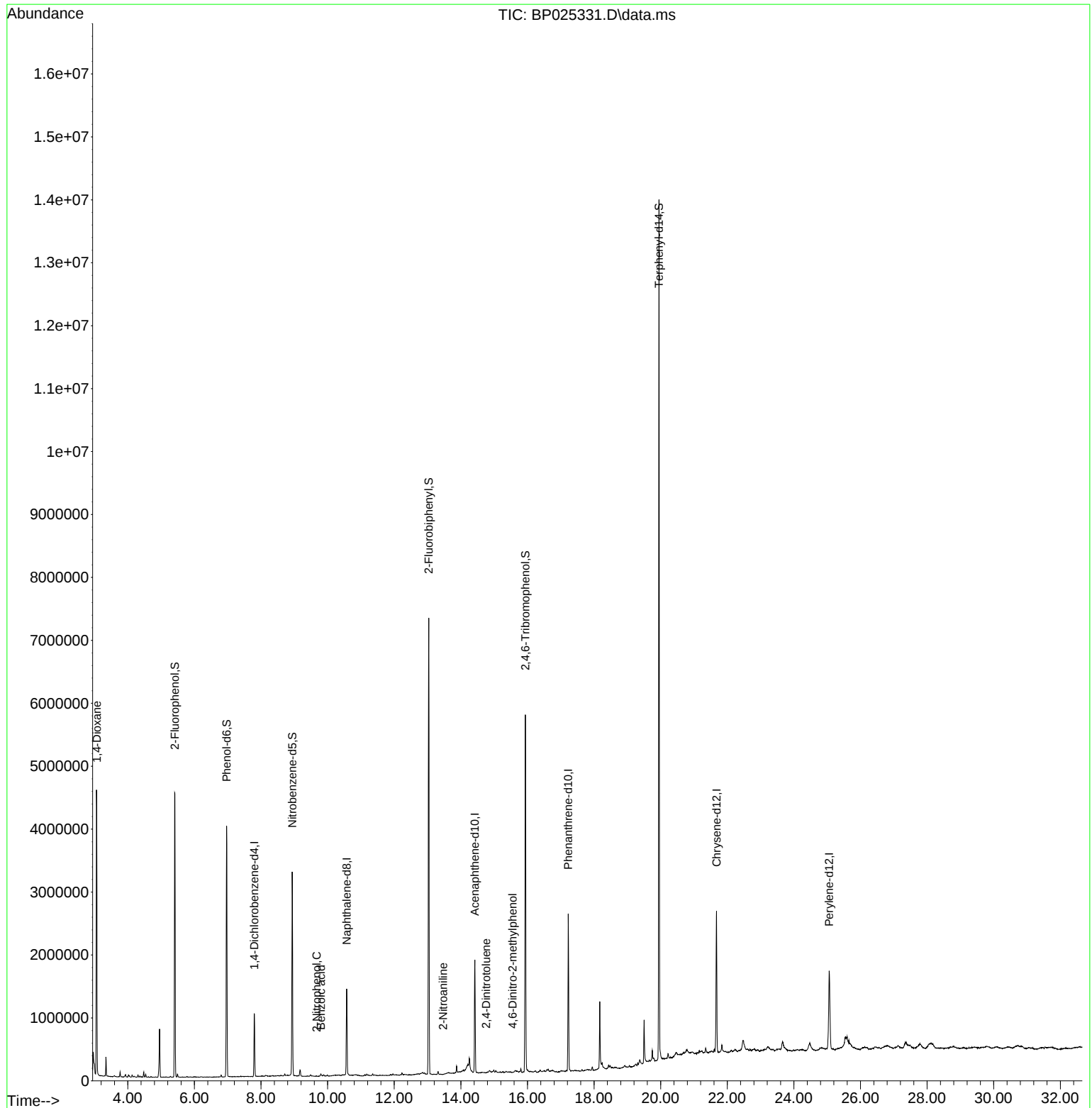
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	284511	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1146230	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	710929	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	1491877	20.000	ng	0.00
76) Chrysene-d12	21.677	240	1403686	20.000	ng	0.02
86) Perylene-d12	25.060	264	1251973	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	2023882	114.412	ng	0.00
7) Phenol-d6	6.966	99	2302890	98.919	ng	0.00
23) Nitrobenzene-d5	8.937	82	1755485	84.848	ng	0.00
42) 2,4,6-Tribromophenol	15.936	330	1135302	160.075	ng	0.01
45) 2-Fluorobiphenyl	13.037	172	3884762	75.474	ng	0.00
79) Terphenyl-d14	19.948	244	6408890	86.237	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.067	88	33955	4.864	ng	# 1
26) 2-Nitrophenol	9.672	139	249	3.665	ng	# 3
32) Benzoic acid	9.796	122	14110	7.439	ng	90
48) 2-Nitroaniline	13.472	65	92	2.971	ng	# 52
57) 2,4-Dinitrotoluene	14.760	165	672	3.297	ng	# 74
65) 4,6-Dinitro-2-methylph...	15.554	198	137	4.859	ng	# 1

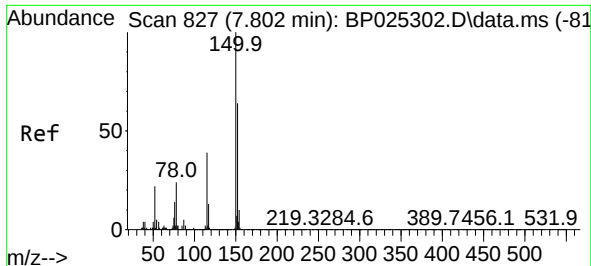
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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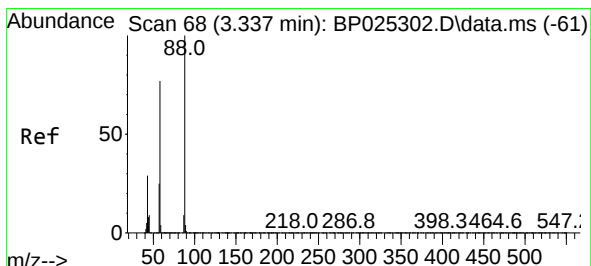
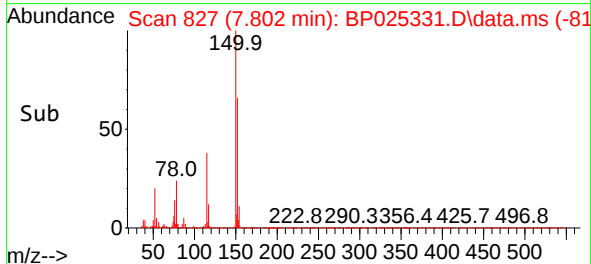
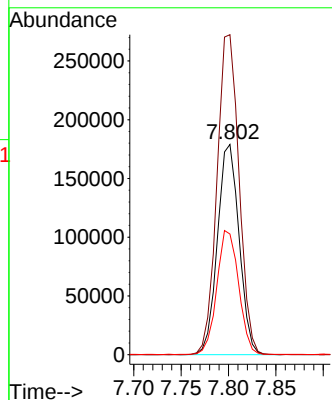
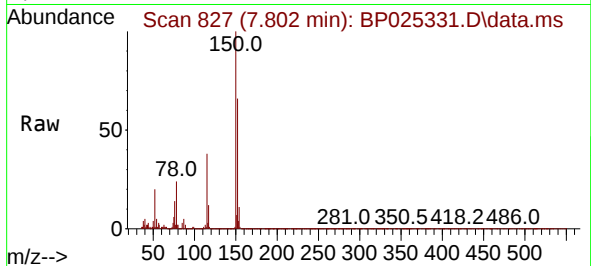




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.802 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BP025331.D
 Acq: 08 Aug 2025 13:47

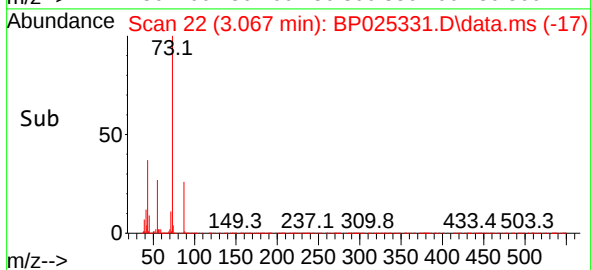
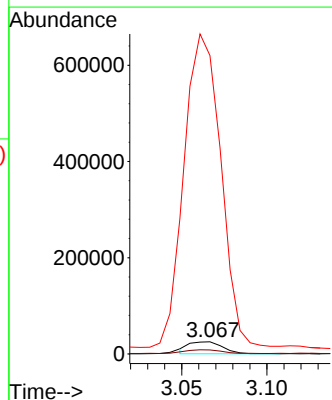
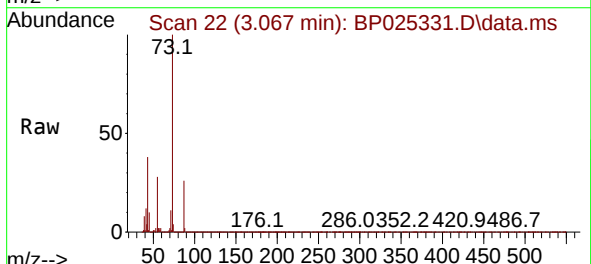
Instrument :
 BNA_P
 ClientSampleId :
 TP-1

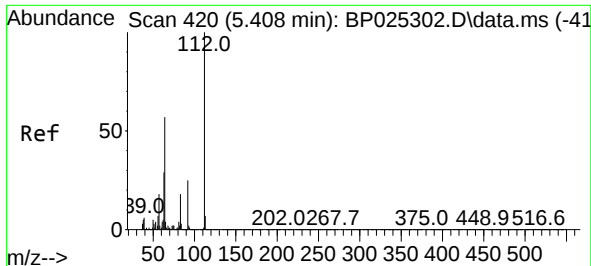
Tgt Ion:152 Resp: 284511
 Ion Ratio Lower Upper
 152 100
 150 152.2 125.1 187.7
 115 57.4 48.4 72.6



#2
 1,4-Dioxane
 Concen: 4.864 ng
 RT: 3.067 min Scan# 22
 Delta R.T. -0.270 min
 Lab File: BP025331.D
 Acq: 08 Aug 2025 13:47

Tgt Ion: 88 Resp: 33955
 Ion Ratio Lower Upper
 88 100
 58 28.9 61.9 92.9#
 43 2580.1 24.2 36.2#

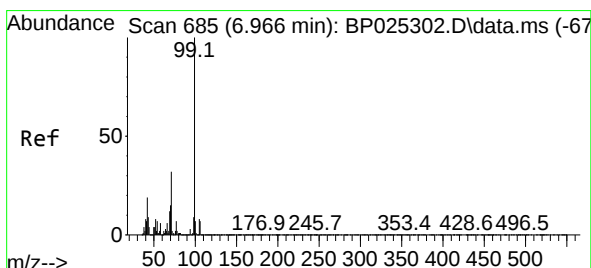
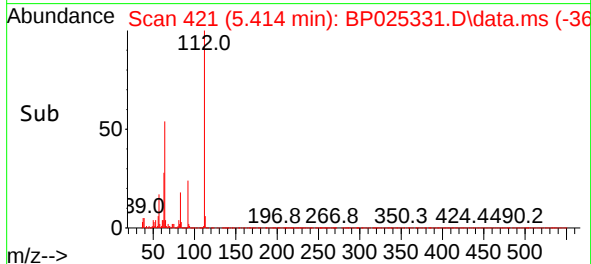
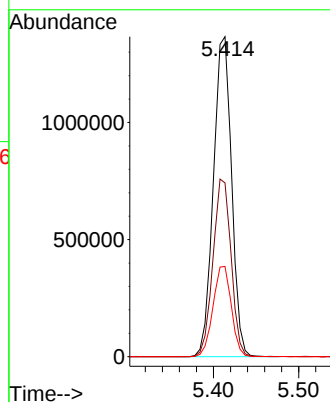
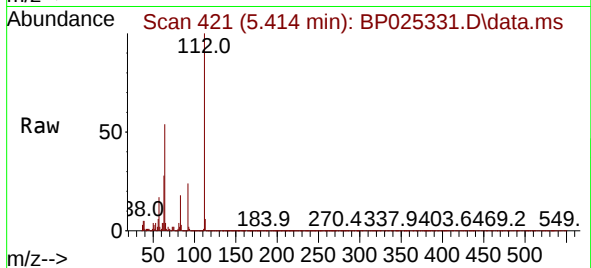




#5
2-Fluorophenol
Concen: 114.412 ng
RT: 5.414 min Scan# 41
Delta R.T. 0.005 min
Lab File: BP025331.D
Acq: 08 Aug 2025 13:47

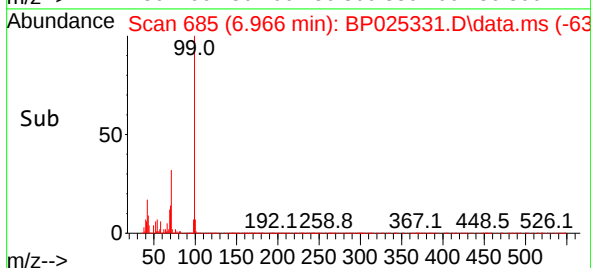
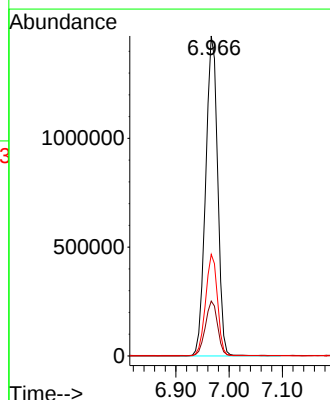
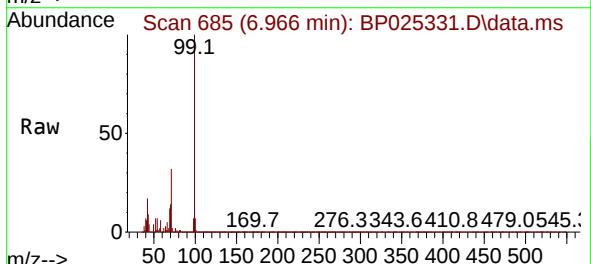
Instrument :
BNA_P
ClientSampleId :
TP-1

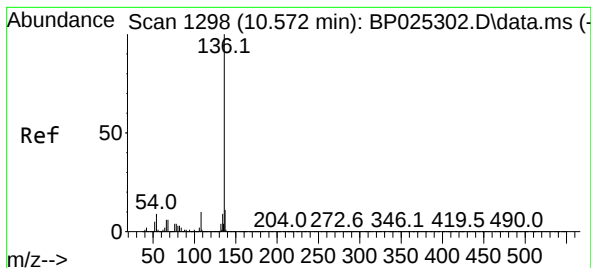
Tgt Ion:112 Resp: 2023882
Ion Ratio Lower Upper
112 100
64 54.3 45.3 67.9
63 28.2 23.0 34.6



#7
Phenol-d6
Concen: 98.919 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025331.D
Acq: 08 Aug 2025 13:47

Tgt Ion: 99 Resp: 2302890
Ion Ratio Lower Upper
99 100
42 17.2 15.0 22.6
71 31.7 25.5 38.3



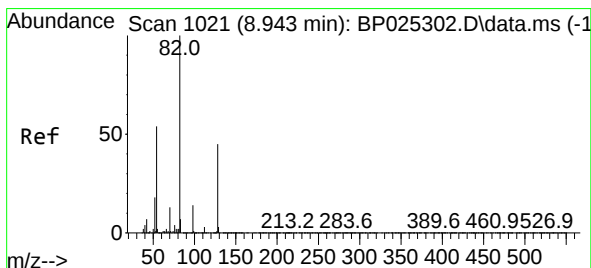
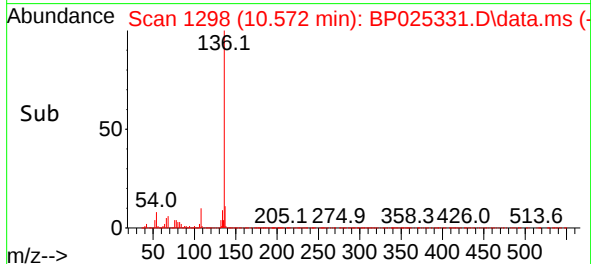
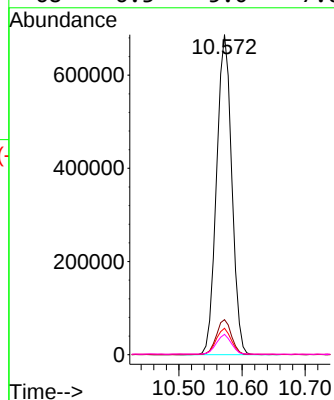
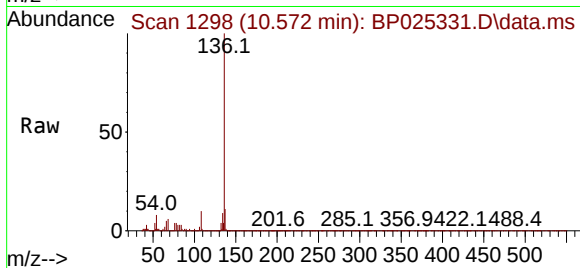


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025331.D
Acq: 08 Aug 2025 13:47

Instrument :
BNA_P
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 1146230

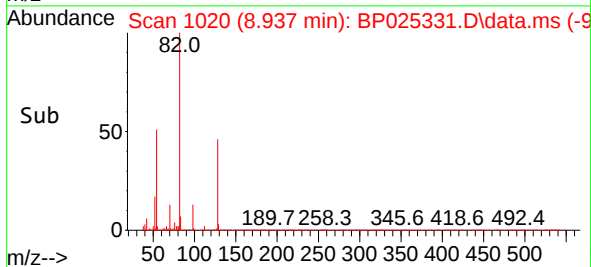
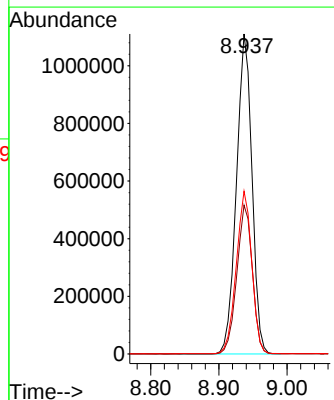
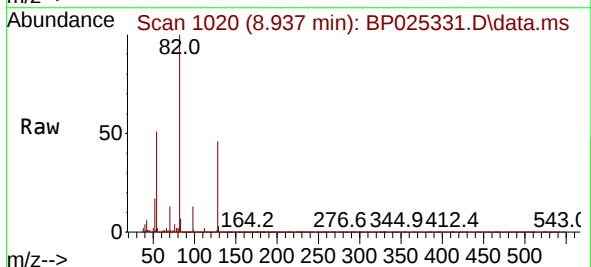
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.2	7.0	10.6
68	6.3	5.0	7.6

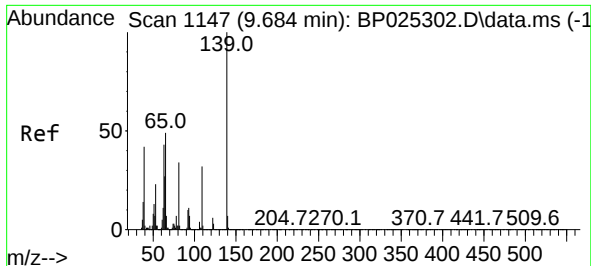


#23
Nitrobenzene-d5
Concen: 84.848 ng
RT: 8.937 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP025331.D
Acq: 08 Aug 2025 13:47

Tgt Ion: 82 Resp: 1755485

Ion	Ratio	Lower	Upper
82	100		
128	46.5	35.4	53.2
54	50.9	42.9	64.3

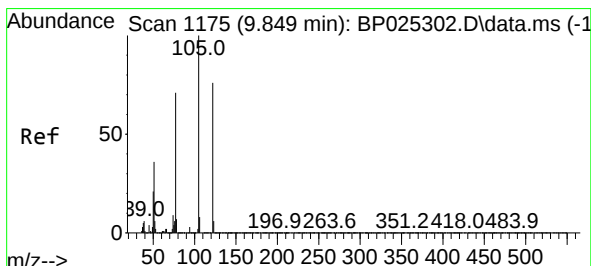
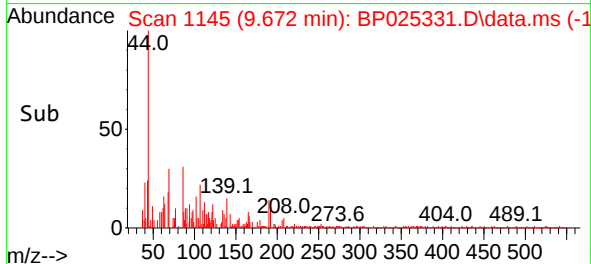
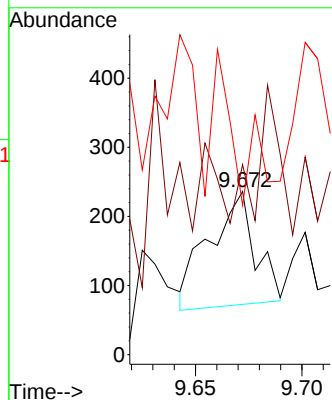
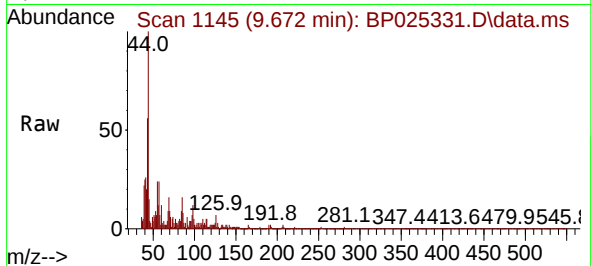




#26
2-Nitrophenol
Concen: 3.665 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BP025331.D
Acq: 08 Aug 2025 13:47

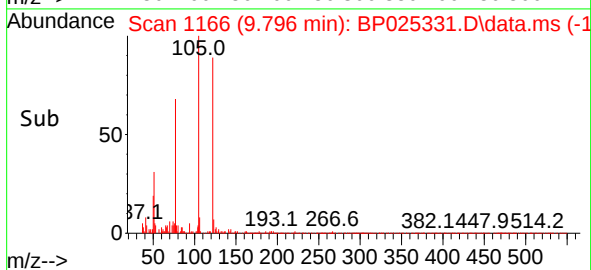
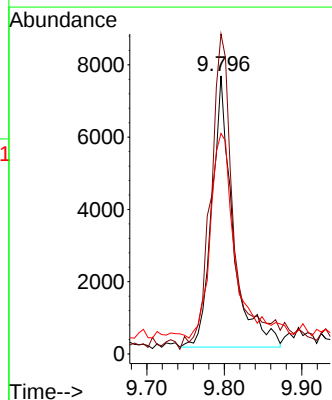
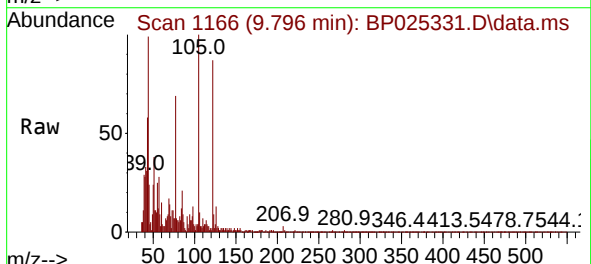
Instrument :
BNA_P
ClientSampleId :
TP-1

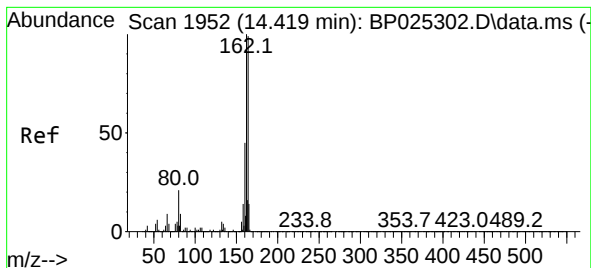
Tgt Ion:139 Resp: 249
Ion Ratio Lower Upper
139 100
109 116.5 25.2 37.8#
65 91.5 39.6 59.4#



#32
Benzoic acid
Concen: 7.439 ng
RT: 9.796 min Scan# 1166
Delta R.T. -0.053 min
Lab File: BP025331.D
Acq: 08 Aug 2025 13:47

Tgt Ion:122 Resp: 14110
Ion Ratio Lower Upper
122 100
105 115.1 104.0 144.0
77 79.3 71.8 111.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.419 min Scan# 1952

Delta R.T. -0.000 min

Lab File: BP025331.D

Acq: 08 Aug 2025 13:47

Instrument :

BNA_P

ClientSampleId :

TP-1

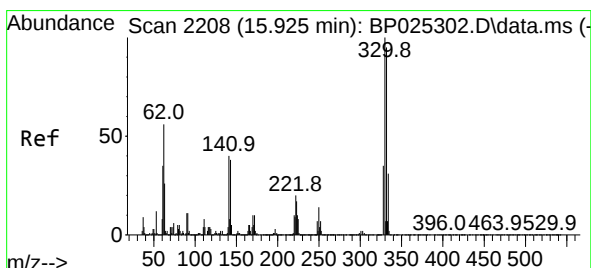
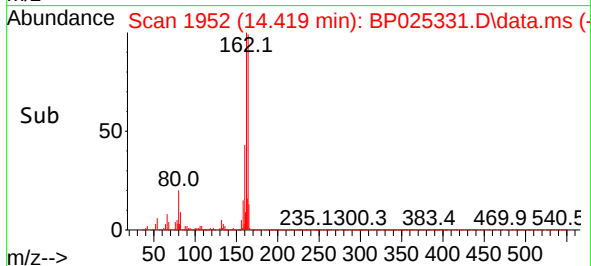
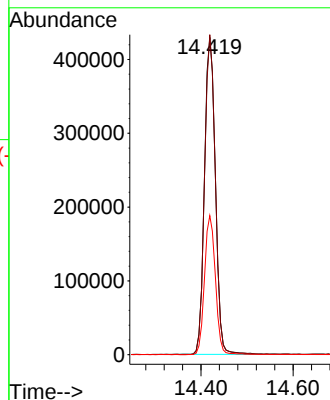
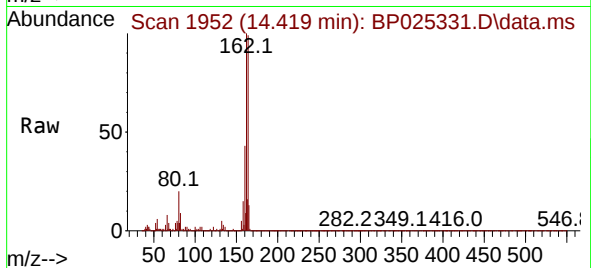
Tgt Ion:164 Resp: 710929

Ion Ratio Lower Upper

164 100

162 100.8 80.6 120.8

160 43.8 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 160.075 ng

RT: 15.936 min Scan# 2210

Delta R.T. 0.011 min

Lab File: BP025331.D

Acq: 08 Aug 2025 13:47

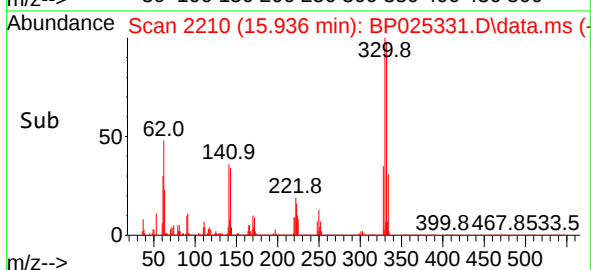
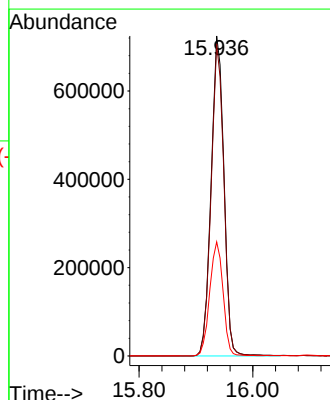
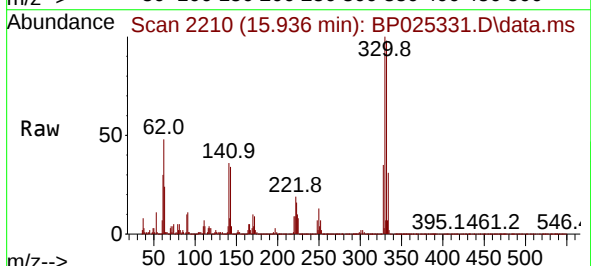
Tgt Ion:330 Resp: 1135302

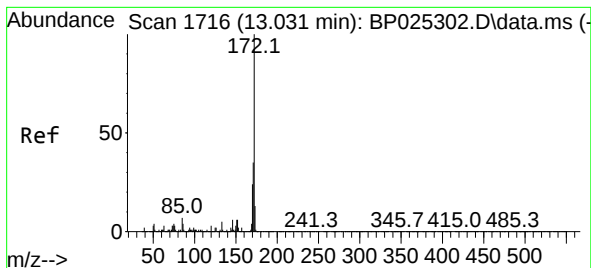
Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.0

141 36.8 31.7 47.5





#45

2-Fluorobiphenyl

Concen: 75.474 ng

RT: 13.037 min Scan# 1716

Delta R.T. 0.006 min

Lab File: BP025331.D

Acq: 08 Aug 2025 13:47

Instrument :

BNA_P

ClientSampleId :

TP-1

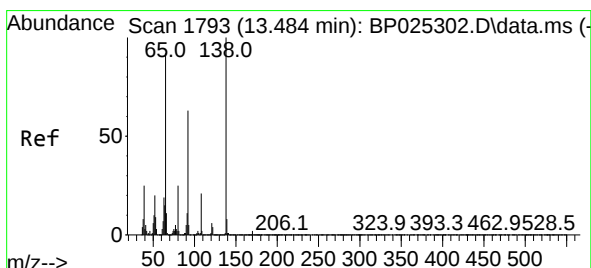
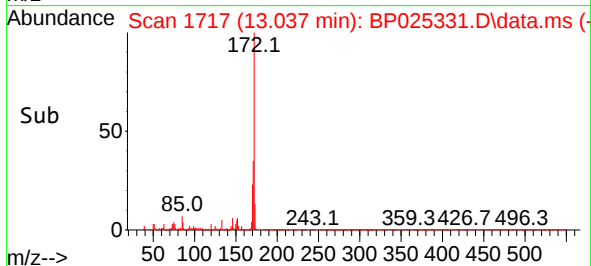
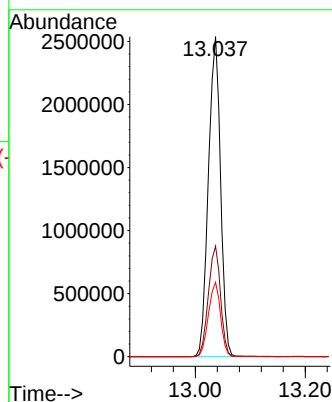
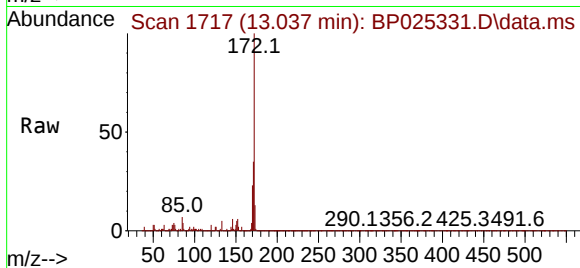
Tgt Ion:172 Resp: 3884762

Ion Ratio Lower Upper

172 100

171 34.6 27.9 41.9

170 23.2 18.9 28.3



#48

2-Nitroaniline

Concen: 2.971 ng

RT: 13.472 min Scan# 1791

Delta R.T. -0.012 min

Lab File: BP025331.D

Acq: 08 Aug 2025 13:47

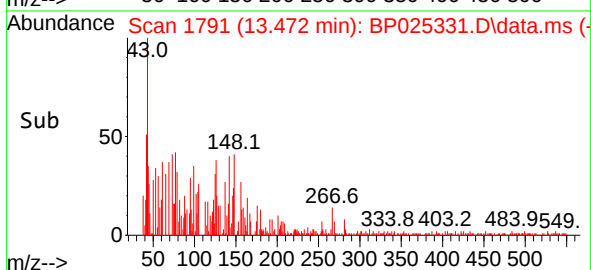
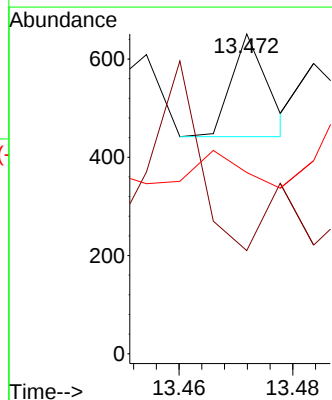
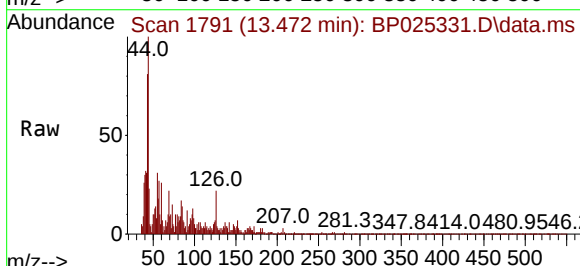
Tgt Ion: 65 Resp: 92

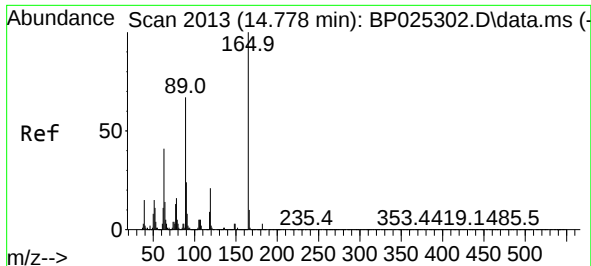
Ion Ratio Lower Upper

65 100

92 32.3 54.4 81.6#

138 56.7 87.0 130.4#

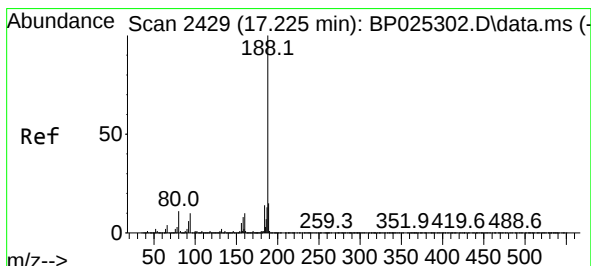
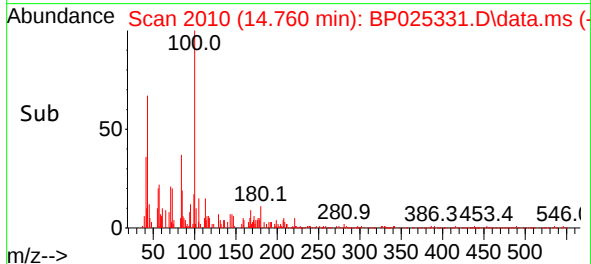
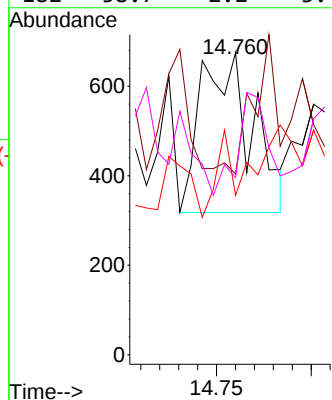
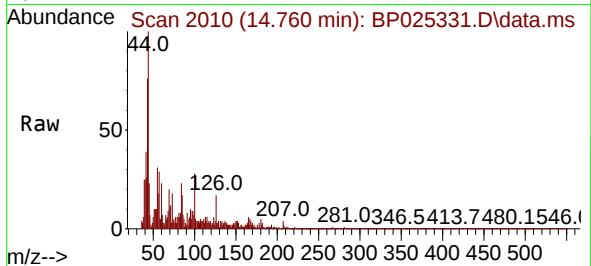




#57
2,4-Dinitrotoluene
Concen: 3.297 ng
RT: 14.760 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BP025331.D
Acq: 08 Aug 2025 13:47

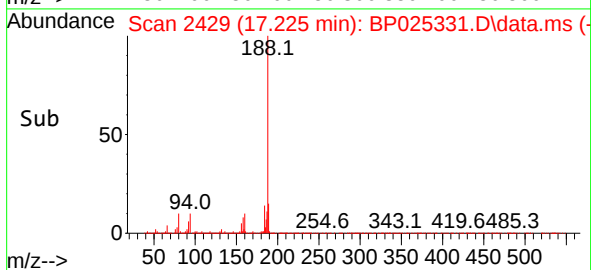
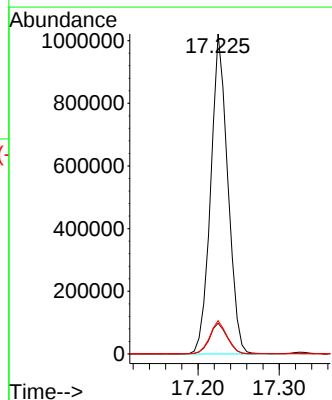
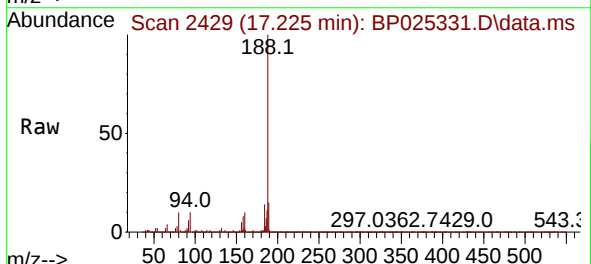
Instrument :
BNA_P
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TP-1

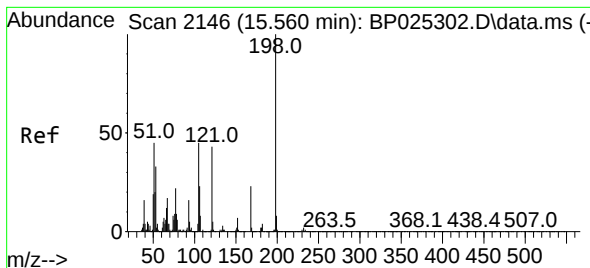
Tgt Ion:165 Resp: 672
Ion Ratio Lower Upper
165 100
63 59.9 33.2 49.8#
89 52.7 53.5 80.3#
182 58.7 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025331.D
Acq: 08 Aug 2025 13:47

Tgt Ion:188 Resp: 1491877
Ion Ratio Lower Upper
188 100
94 9.6 8.0 12.0
80 10.4 8.5 12.7

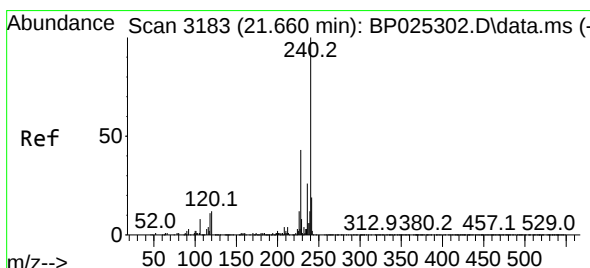
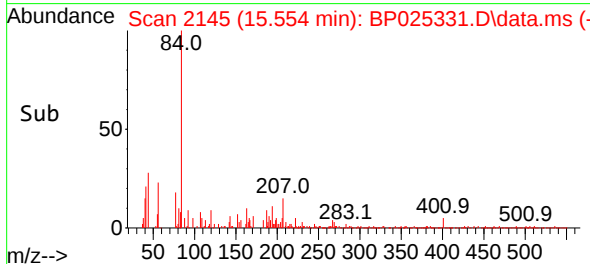
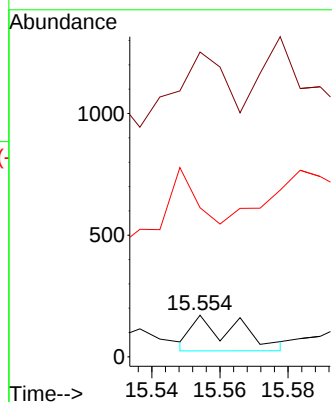
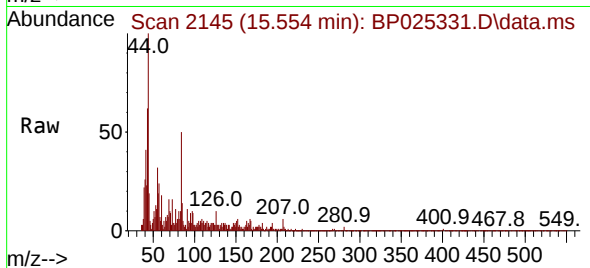




#65
4,6-Dinitro-2-methylphenol
Concen: 4.859 ng
RT: 15.554 min Scan# 2145
Delta R.T. -0.006 min
Lab File: BP025331.D
Acq: 08 Aug 2025 13:47

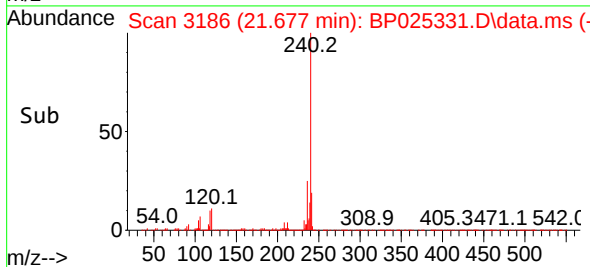
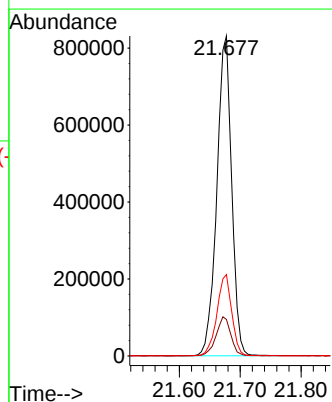
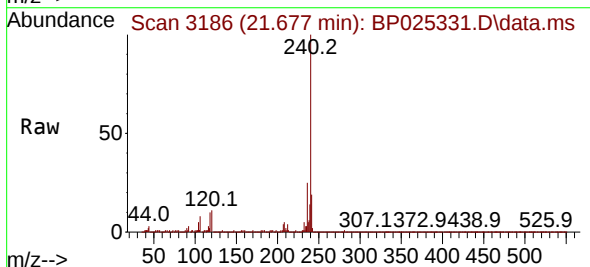
Instrument :
BNA_P
ClientSampleId :
TP-1

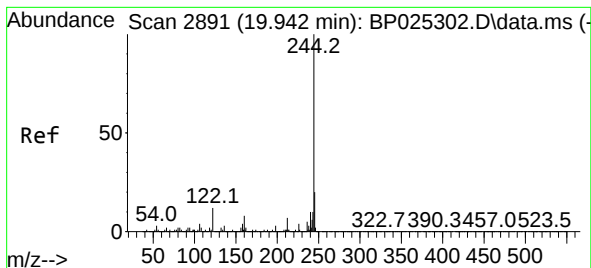
Tgt Ion:198 Resp: 137
Ion Ratio Lower Upper
198 100
51 732.7 26.7 66.7#
105 358.5 25.6 65.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3186
Delta R.T. 0.017 min
Lab File: BP025331.D
Acq: 08 Aug 2025 13:47

Tgt Ion:240 Resp: 1403686
Ion Ratio Lower Upper
240 100
120 11.4 9.6 14.4
236 25.5 20.4 30.6





#79

Terphenyl-d14

Concen: 86.237 ng

RT: 19.948 min Scan# 2

Delta R.T. 0.006 min

Lab File: BP025331.D

Acq: 08 Aug 2025 13:47

Instrument :

BNA_P

ClientSampleId :

TP-1

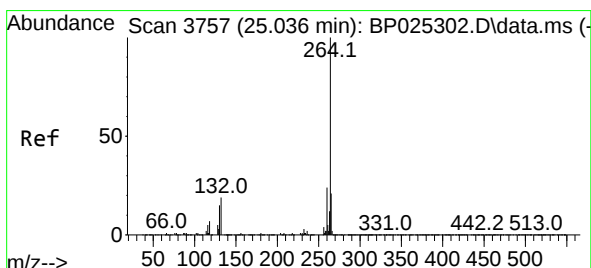
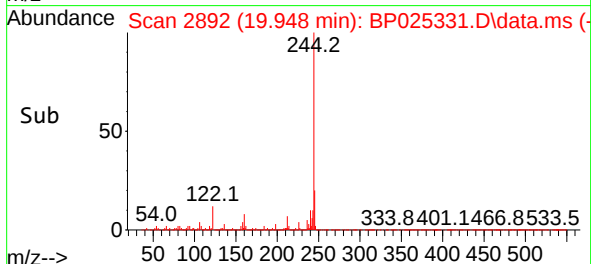
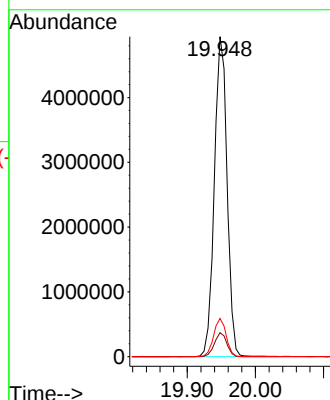
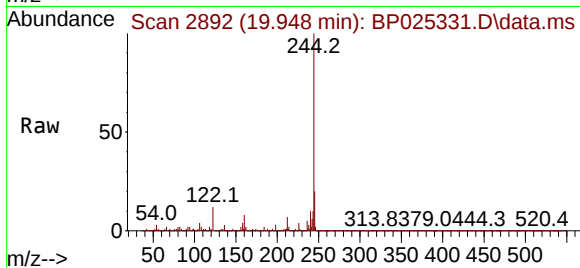
Tgt Ion:244 Resp: 6408890

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

122 11.9 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.060 min Scan# 3761

Delta R.T. 0.024 min

Lab File: BP025331.D

Acq: 08 Aug 2025 13:47

Tgt Ion:264 Resp: 1251973

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.7 17.1 25.7

