

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080825\
 Data File : BP025337.D
 Acq On : 08 Aug 2025 18:00
 Operator : CG/JU
 Sample : Q2783-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT5414

Quant Time: Aug 08 18:19:29 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)

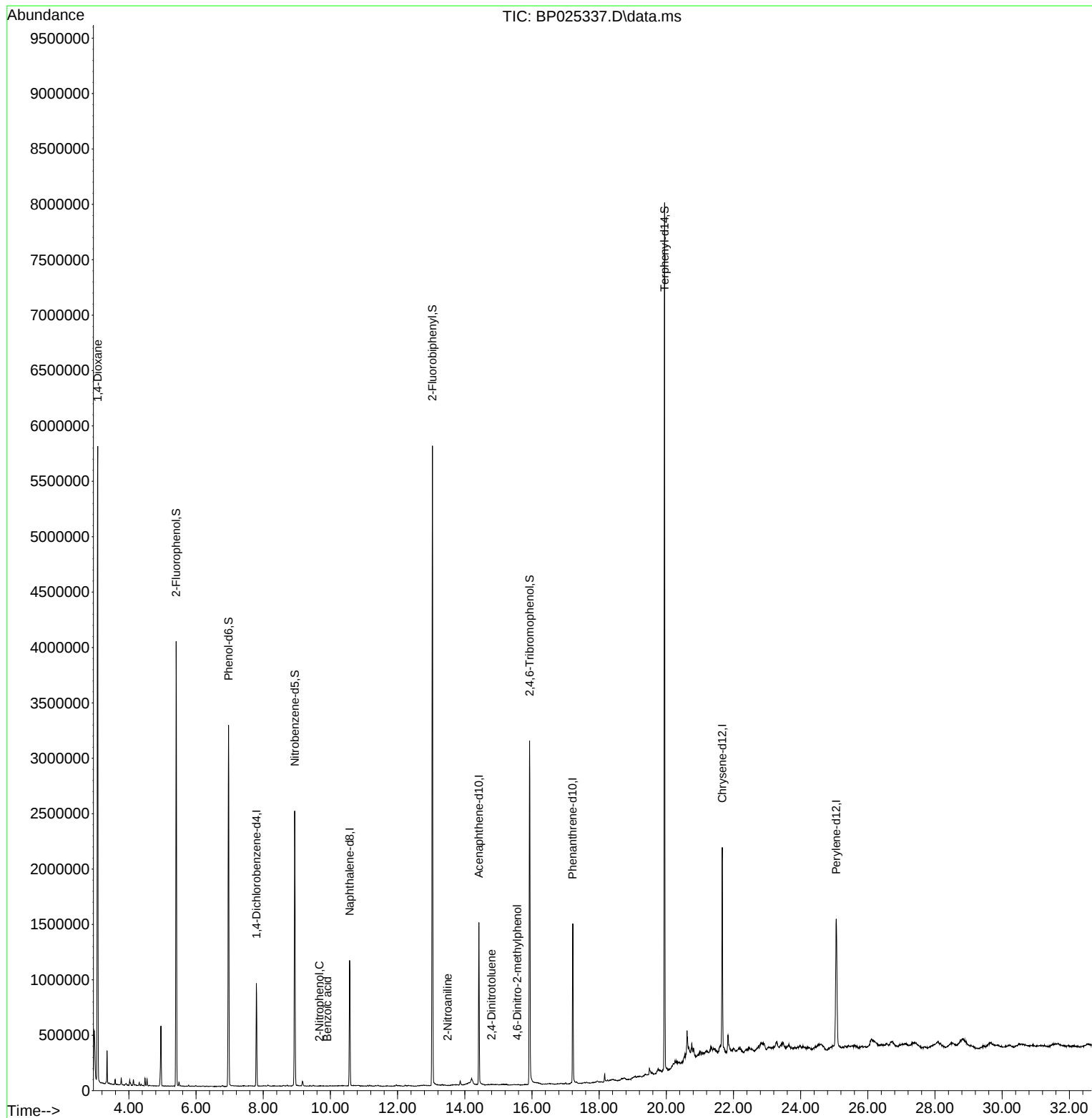
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	252062	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	933641	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	508915	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	904365	20.000	ng	-0.01
76) Chrysene-d12	21.666	240	1000756	20.000	ng	0.00
86) Perylene-d12	25.059	264	1210479	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1740778	111.076	ng	0.00
7) Phenol-d6	6.966	99	1911787	92.691	ng	0.00
23) Nitrobenzene-d5	8.937	82	1397356	82.917	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	651263	128.277	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	3036484	82.411	ng	0.00
79) Terphenyl-d14	19.948	244	3724485	70.294	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.072	88	45915	7.424	ng	# 1
26) 2-Nitrophenol	9.672	139	87	3.650	ng	# 48
32) Benzoic acid	9.907	122	120	5.968	ng	# 26
48) 2-Nitroaniline	13.489	65	92	2.974	ng	# 52
57) 2,4-Dinitrotoluene	14.795	165	249	3.277	ng	# 13
65) 4,6-Dinitro-2-methylph...	15.560	198	18	4.840	ng	# 1

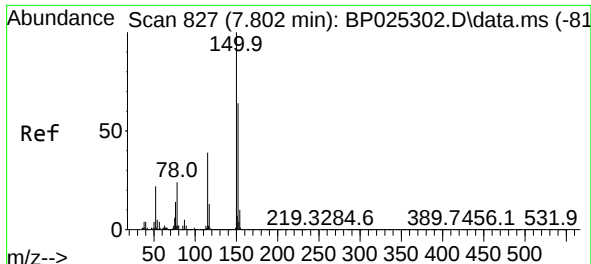
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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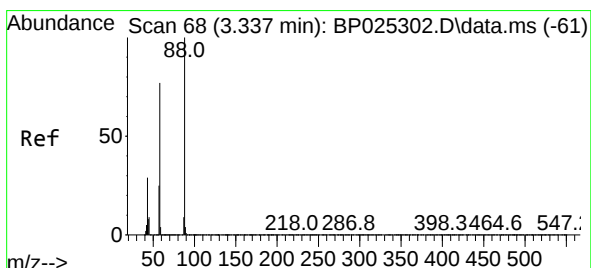
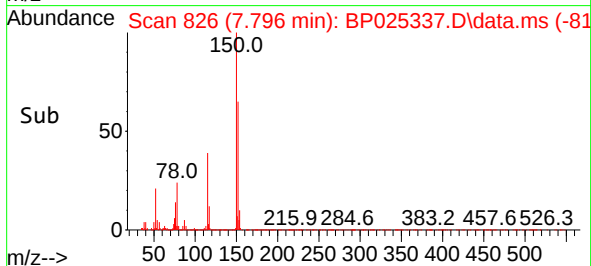
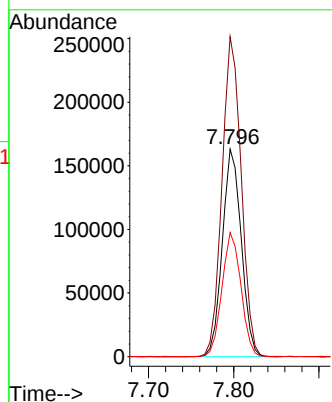
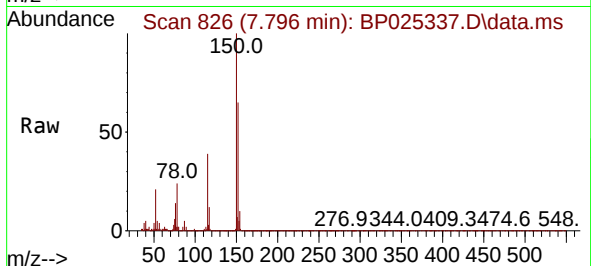




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.796 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025337.D
 Acq: 08 Aug 2025 18:00

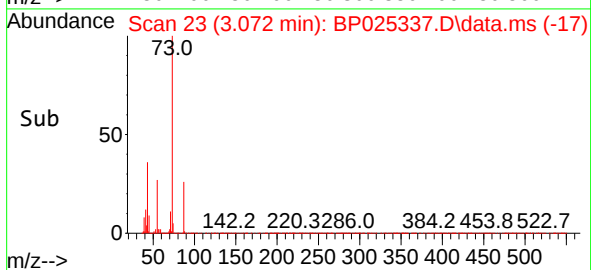
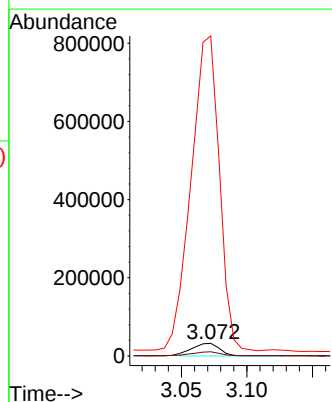
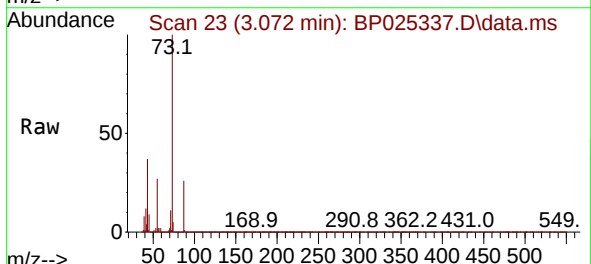
Instrument :
 BNA_P
 ClientSampleId :
 RT5414

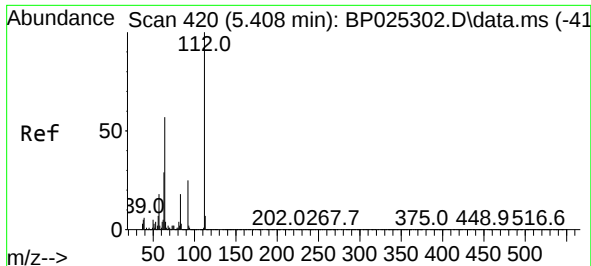
Tgt Ion:152 Resp: 252062
 Ion Ratio Lower Upper
 152 100
 150 154.2 125.1 187.7
 115 59.9 48.4 72.6



#2
 1,4-Dioxane
 Concen: 7.424 ng
 RT: 3.072 min Scan# 23
 Delta R.T. -0.265 min
 Lab File: BP025337.D
 Acq: 08 Aug 2025 18:00

Tgt Ion: 88 Resp: 45915
 Ion Ratio Lower Upper
 88 100
 58 29.1 61.9 92.9#
 43 2470.8 24.2 36.2#

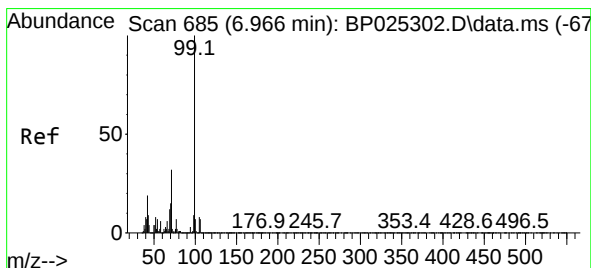
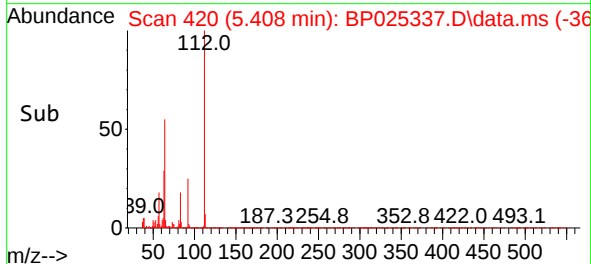
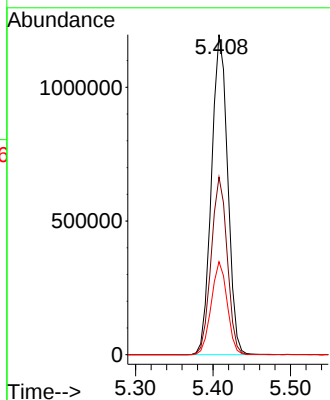
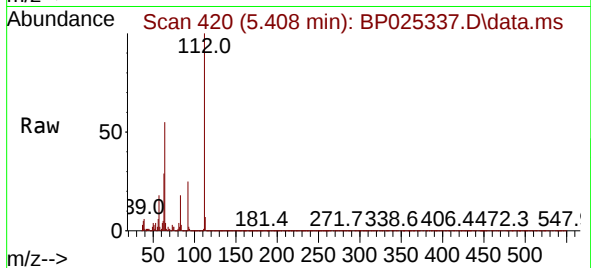




#5
2-Fluorophenol
Concen: 111.076 ng
RT: 5.408 min Scan# 41
Delta R.T. -0.000 min
Lab File: BP025337.D
Acq: 08 Aug 2025 18:00

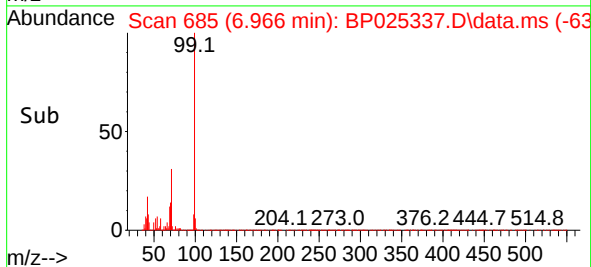
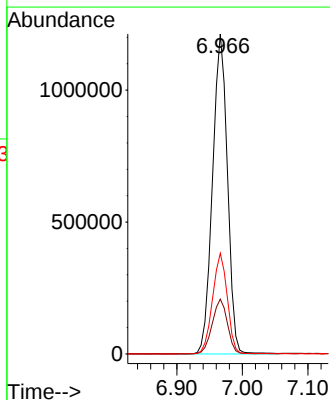
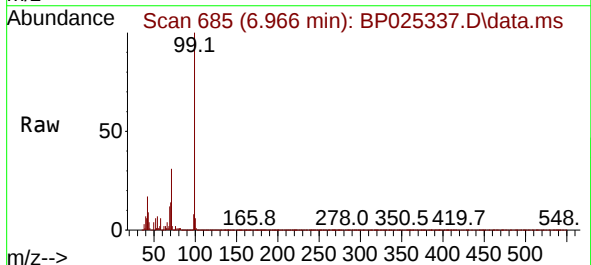
Instrument :
BNA_P
ClientSampleId :
RT5414

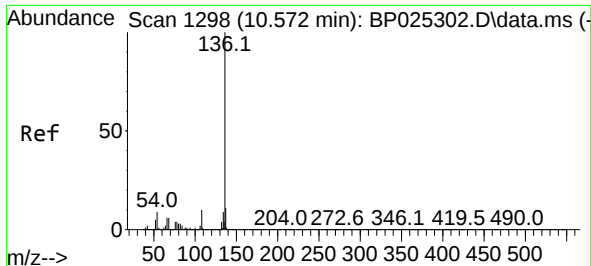
Tgt Ion:112 Resp: 1740778
Ion Ratio Lower Upper
112 100
64 55.5 45.3 67.9
63 29.0 23.0 34.6



#7
Phenol-d6
Concen: 92.691 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025337.D
Acq: 08 Aug 2025 18:00

Tgt Ion: 99 Resp: 1911787
Ion Ratio Lower Upper
99 100
42 17.2 15.0 22.6
71 31.4 25.5 38.3

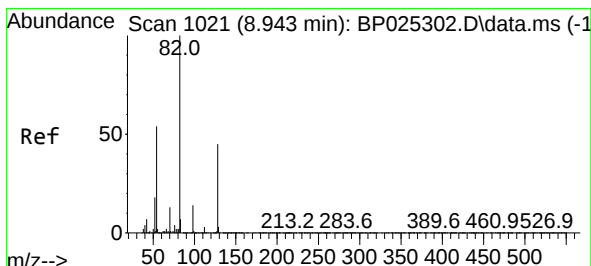
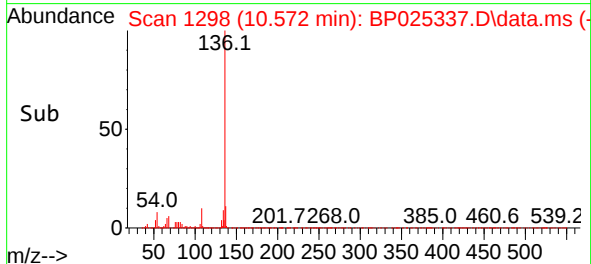
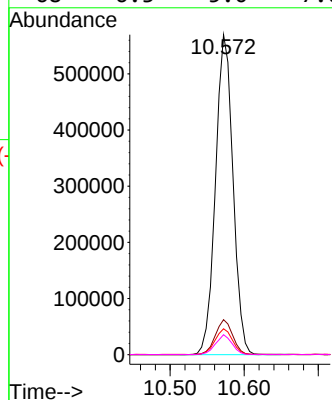
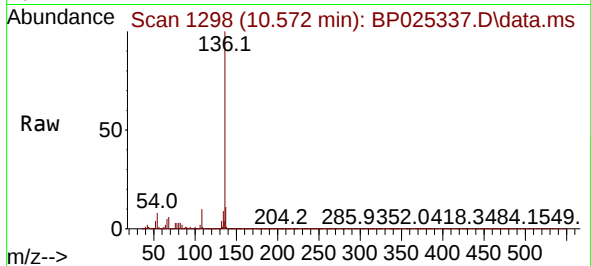




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025337.D
Acq: 08 Aug 2025 18:00

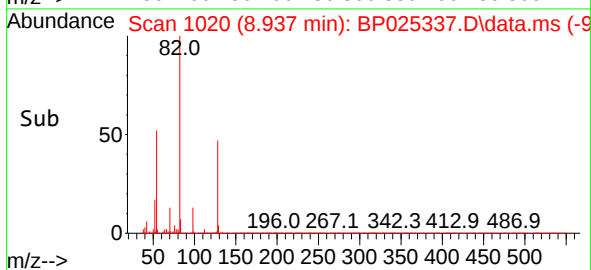
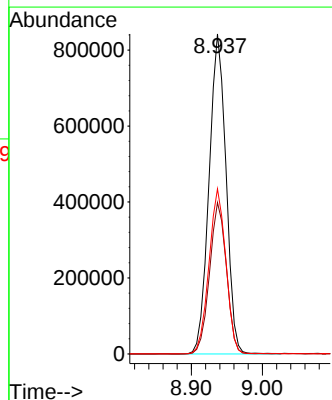
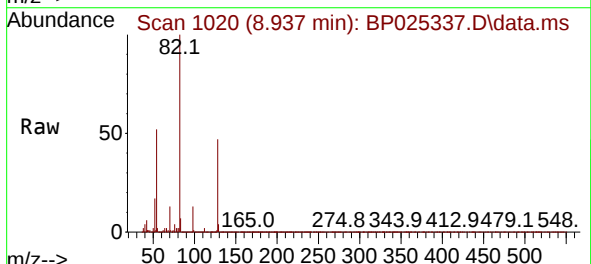
Instrument :
BNA_P
ClientSampleId :
RT5414

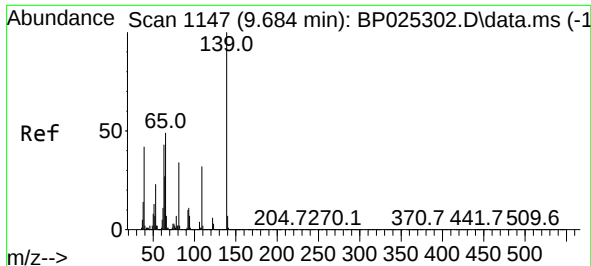
Tgt Ion:	136	Resp:	933641
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.1	7.0	10.6
68	6.3	5.0	7.6



#23
Nitrobenzene-d5
Concen: 82.917 ng
RT: 8.937 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP025337.D
Acq: 08 Aug 2025 18:00

Tgt Ion:	82	Resp:	1397356
Ion	Ratio	Lower	Upper
82	100		
128	47.3	35.4	53.2
54	51.6	42.9	64.3

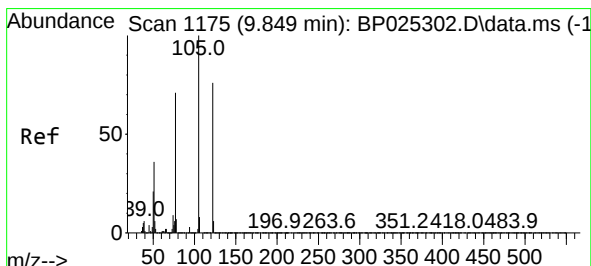
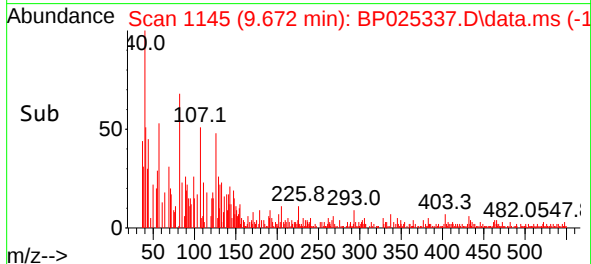
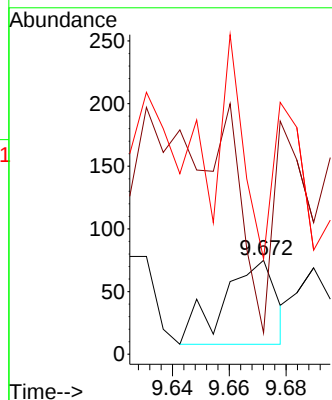
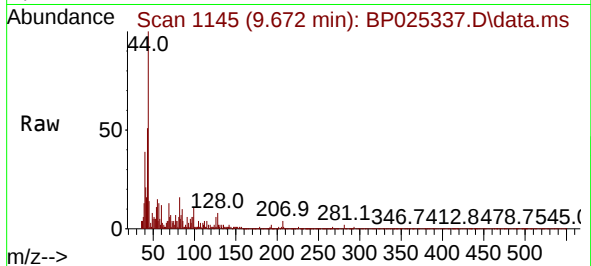




#26
2-Nitrophenol
Concen: 3.650 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BP025337.D
Acq: 08 Aug 2025 18:00

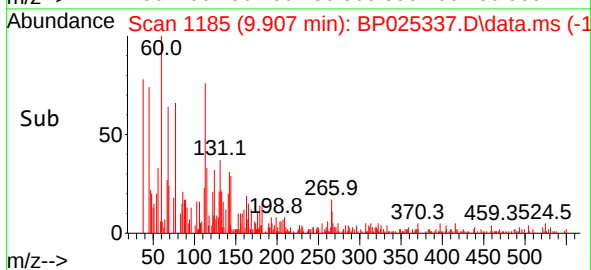
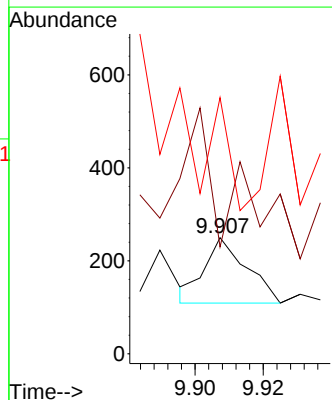
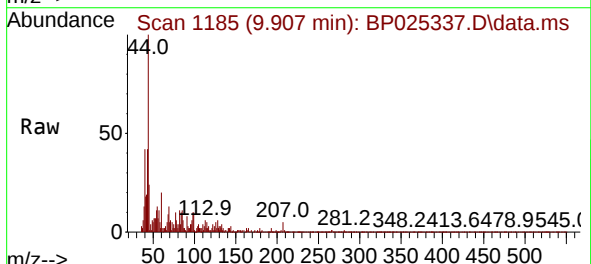
Instrument :
BNA_P
ClientSampleId :
RT5414

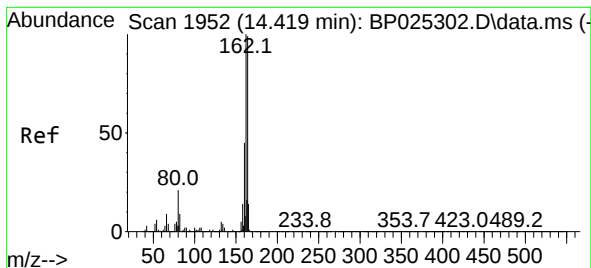
Tgt Ion:139 Resp: 87
Ion Ratio Lower Upper
139 100
109 22.7 25.2 37.8#
65 101.3 39.6 59.4#



#32
Benzoic acid
Concen: 5.968 ng
RT: 9.907 min Scan# 1185
Delta R.T. 0.058 min
Lab File: BP025337.D
Acq: 08 Aug 2025 18:00

Tgt Ion:122 Resp: 120
Ion Ratio Lower Upper
122 100
105 92.0 104.0 144.0#
77 220.4 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: BP025337.D

Acq: 08 Aug 2025 18:00

Instrument :

BNA_P

ClientSampleId :

RT5414

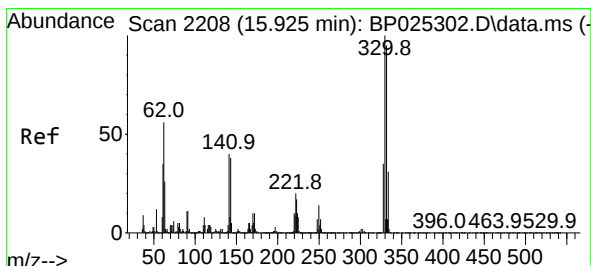
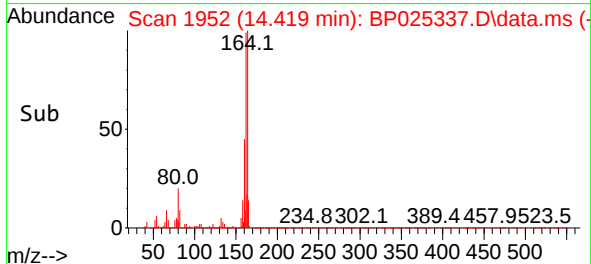
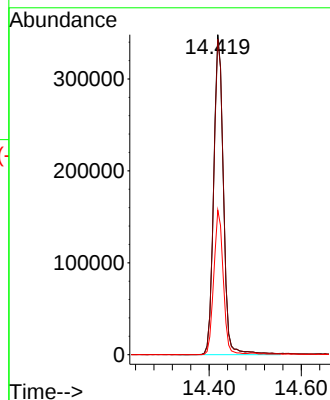
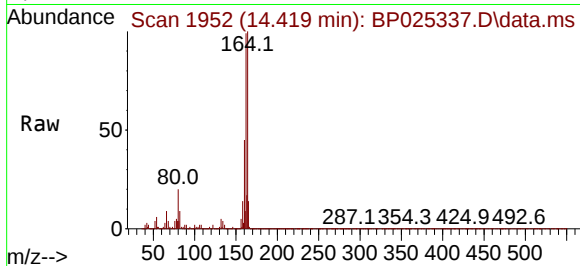
Tgt Ion:164 Resp: 508915

Ion Ratio Lower Upper

164 100

162 98.6 80.6 120.8

160 45.1 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 128.277 ng

RT: 15.931 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BP025337.D

Acq: 08 Aug 2025 18:00

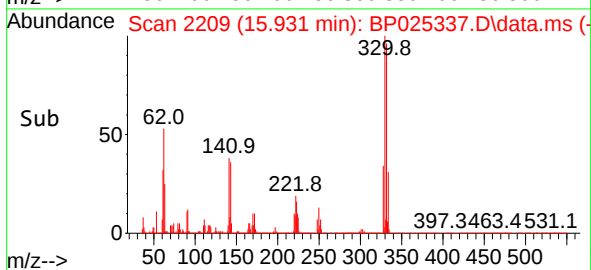
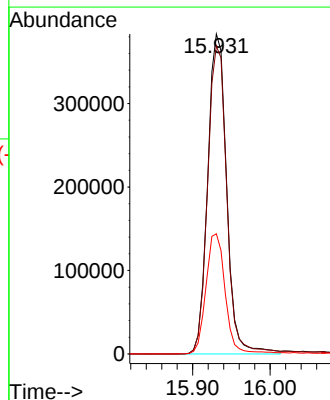
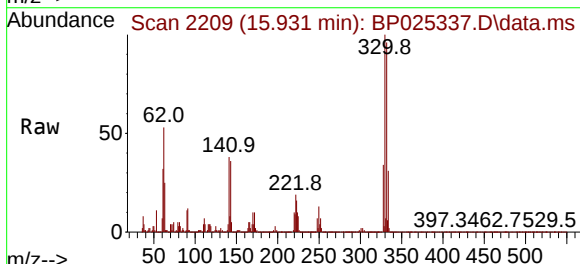
Tgt Ion:330 Resp: 651263

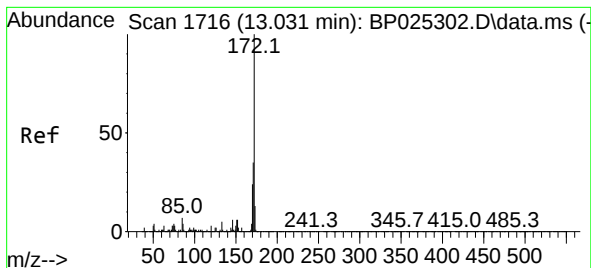
Ion Ratio Lower Upper

330 100

332 98.6 77.4 116.0

141 38.4 31.7 47.5





#45

2-Fluorobiphenyl

Concen: 82.411 ng

RT: 13.037 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP025337.D

Acq: 08 Aug 2025 18:00

Instrument :

BNA_P

ClientSampleId :

RT5414

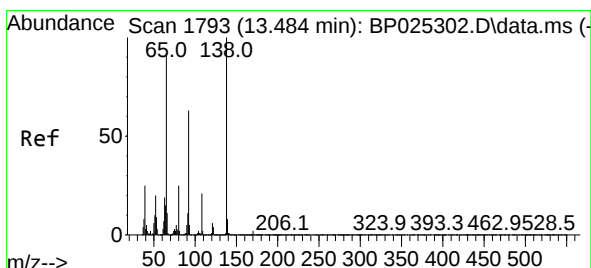
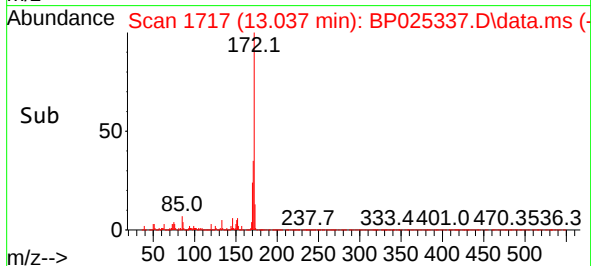
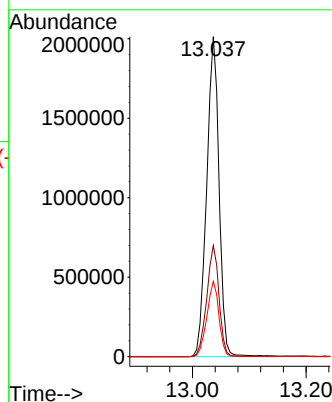
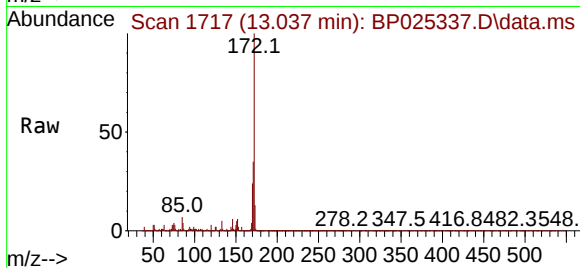
Tgt Ion:172 Resp: 3036484

Ion Ratio Lower Upper

172 100

171 34.7 27.9 41.9

170 23.6 18.9 28.3



#48

2-Nitroaniline

Concen: 2.974 ng

RT: 13.489 min Scan# 1794

Delta R.T. 0.005 min

Lab File: BP025337.D

Acq: 08 Aug 2025 18:00

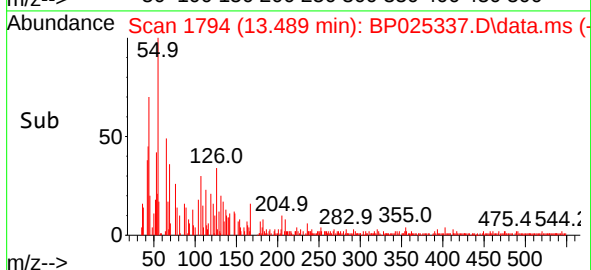
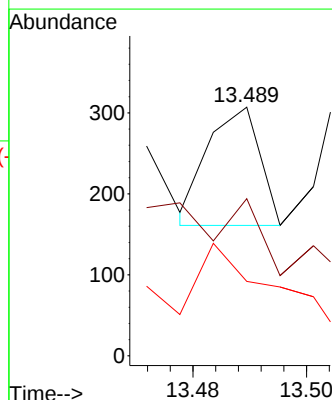
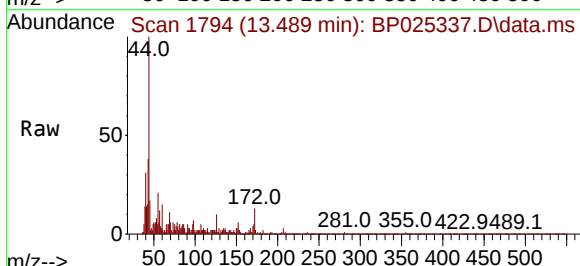
Tgt Ion: 65 Resp: 92

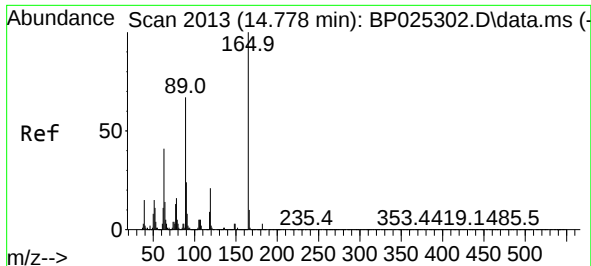
Ion Ratio Lower Upper

65 100

92 63.2 54.4 81.6

138 30.0 87.0 130.4#

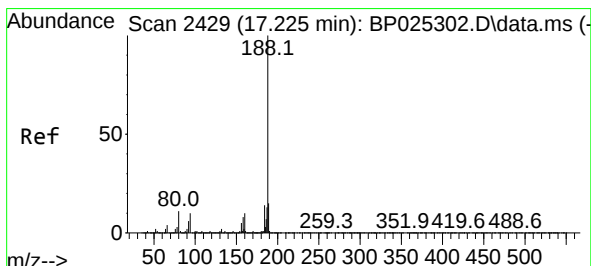
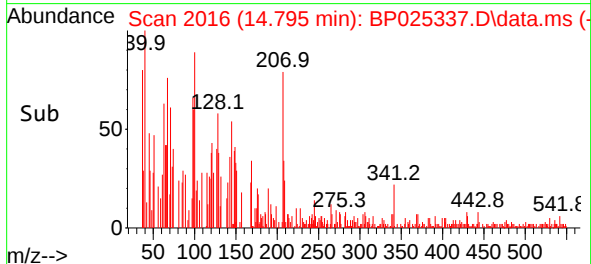
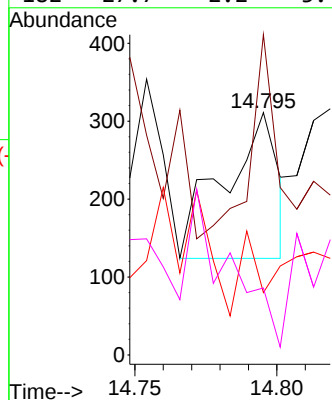
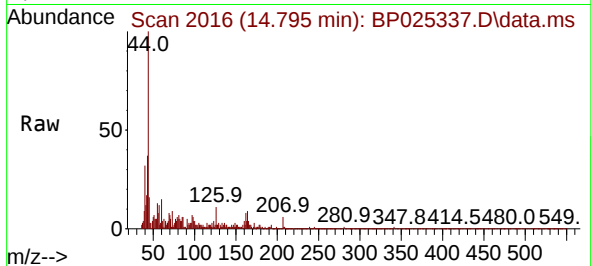




#57
2,4-Dinitrotoluene
Concen: 3.277 ng
RT: 14.795 min Scan# 2016
Delta R.T. 0.017 min
Lab File: BP025337.D
Acq: 08 Aug 2025 18:00

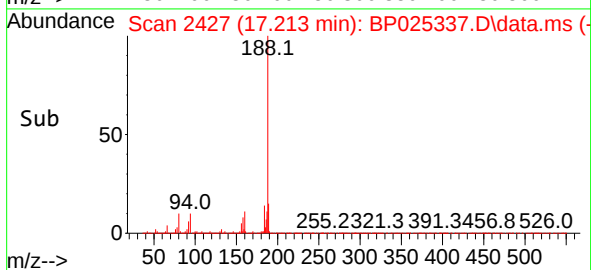
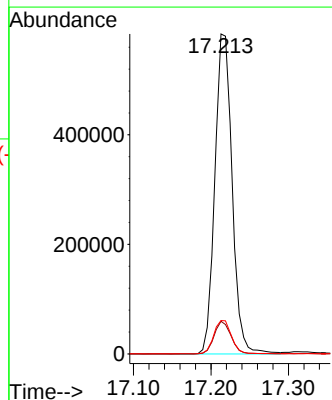
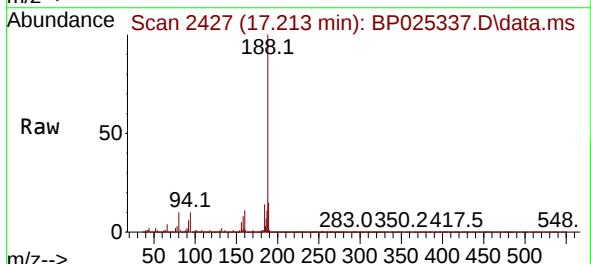
Instrument :
BNA_P
ClientSampleId :
RT5414

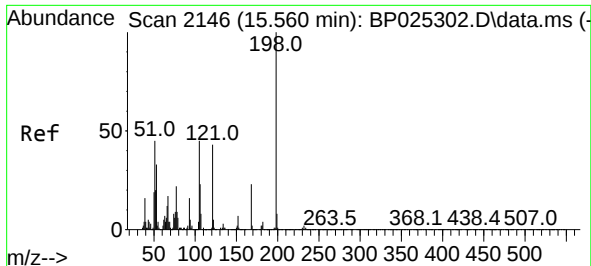
Tgt Ion:165 Resp: 249
Ion Ratio Lower Upper
165 100
63 132.2 33.2 49.8#
89 25.7 53.5 80.3#
182 27.7 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP025337.D
Acq: 08 Aug 2025 18:00

Tgt Ion:188 Resp: 904365
Ion Ratio Lower Upper
188 100
94 10.2 8.0 12.0
80 10.5 8.5 12.7

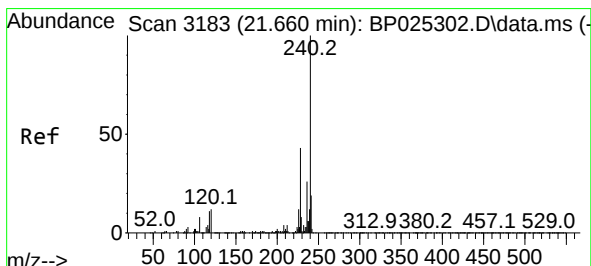
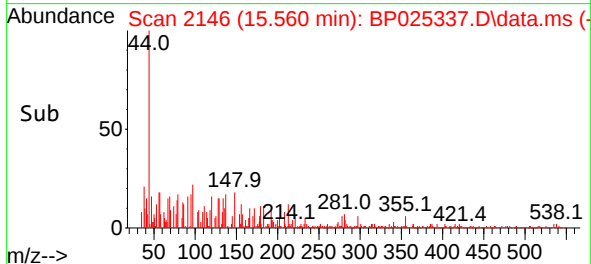
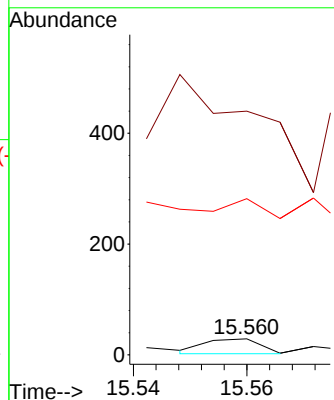
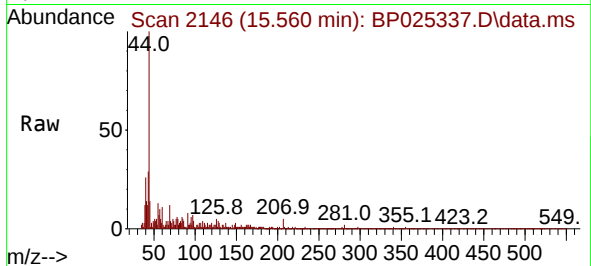




#65
4,6-Dinitro-2-methylphenol
Concen: 4.840 ng
RT: 15.560 min Scan# 2146
Delta R.T. -0.000 min
Lab File: BP025337.D
Acq: 08 Aug 2025 18:00

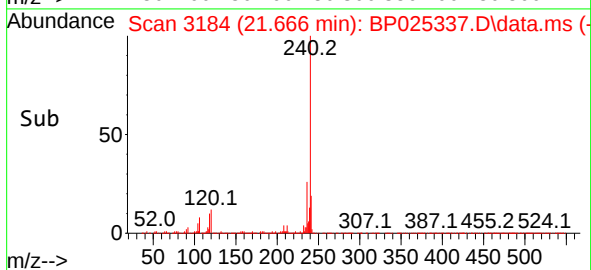
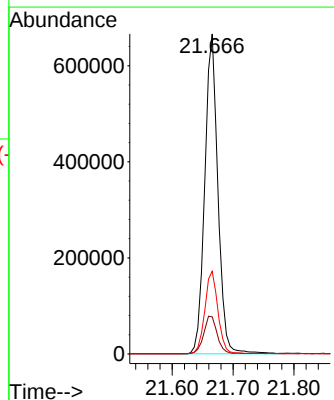
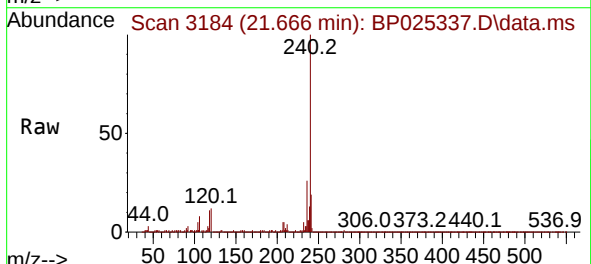
Instrument :
BNA_P
ClientSampleId :
RT5414

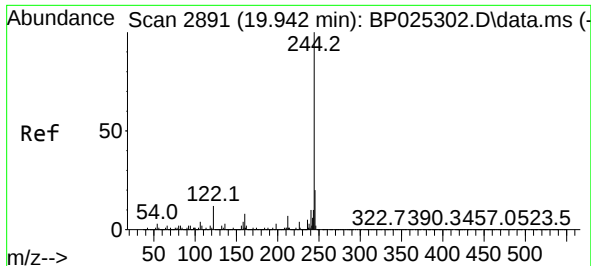
Tgt Ion:198 Resp: 18
Ion Ratio Lower Upper
198 100
51 1517.2 26.7 66.7#
105 972.4 25.6 65.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.006 min
Lab File: BP025337.D
Acq: 08 Aug 2025 18:00

Tgt Ion:240 Resp: 1000756
Ion Ratio Lower Upper
240 100
120 11.6 9.6 14.4
236 25.8 20.4 30.6

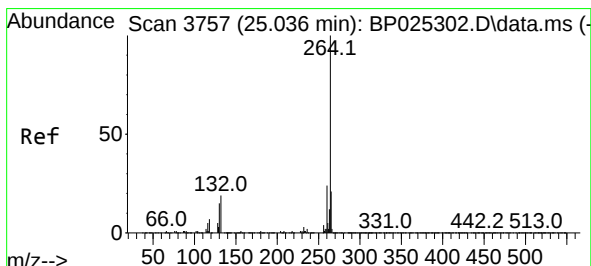
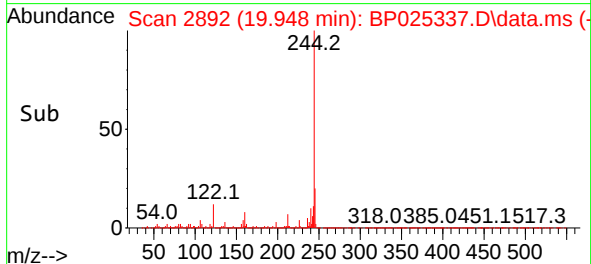
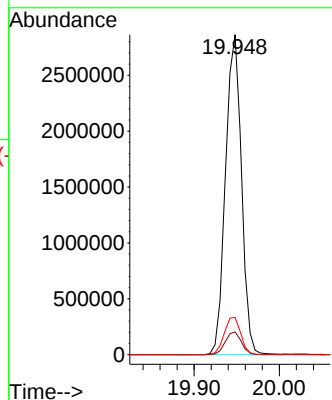
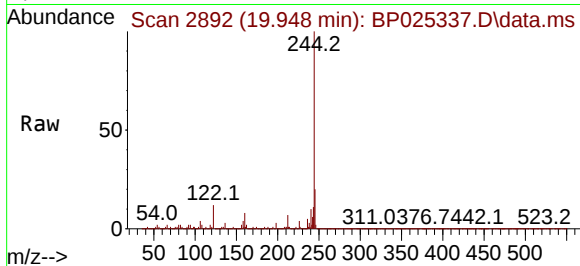




#79
 Terphenyl-d14
 Concen: 70.294 ng
 RT: 19.948 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP025337.D
 Acq: 08 Aug 2025 18:00

Instrument :
 BNA_P
 ClientSampleId :
 RT5414

Tgt Ion:244 Resp: 3724485
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 11.6 9.5 14.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.059 min Scan# 3761
 Delta R.T. 0.023 min
 Lab File: BP025337.D
 Acq: 08 Aug 2025 18:00

Tgt Ion:264 Resp: 1210479
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 22.2 17.1 25.7

