

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025443.D
 Acq On : 16 Aug 2025 03:19
 Operator : CG/JU
 Sample : Q2836-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-A2-16-C

Quant Time: Aug 18 01:40:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

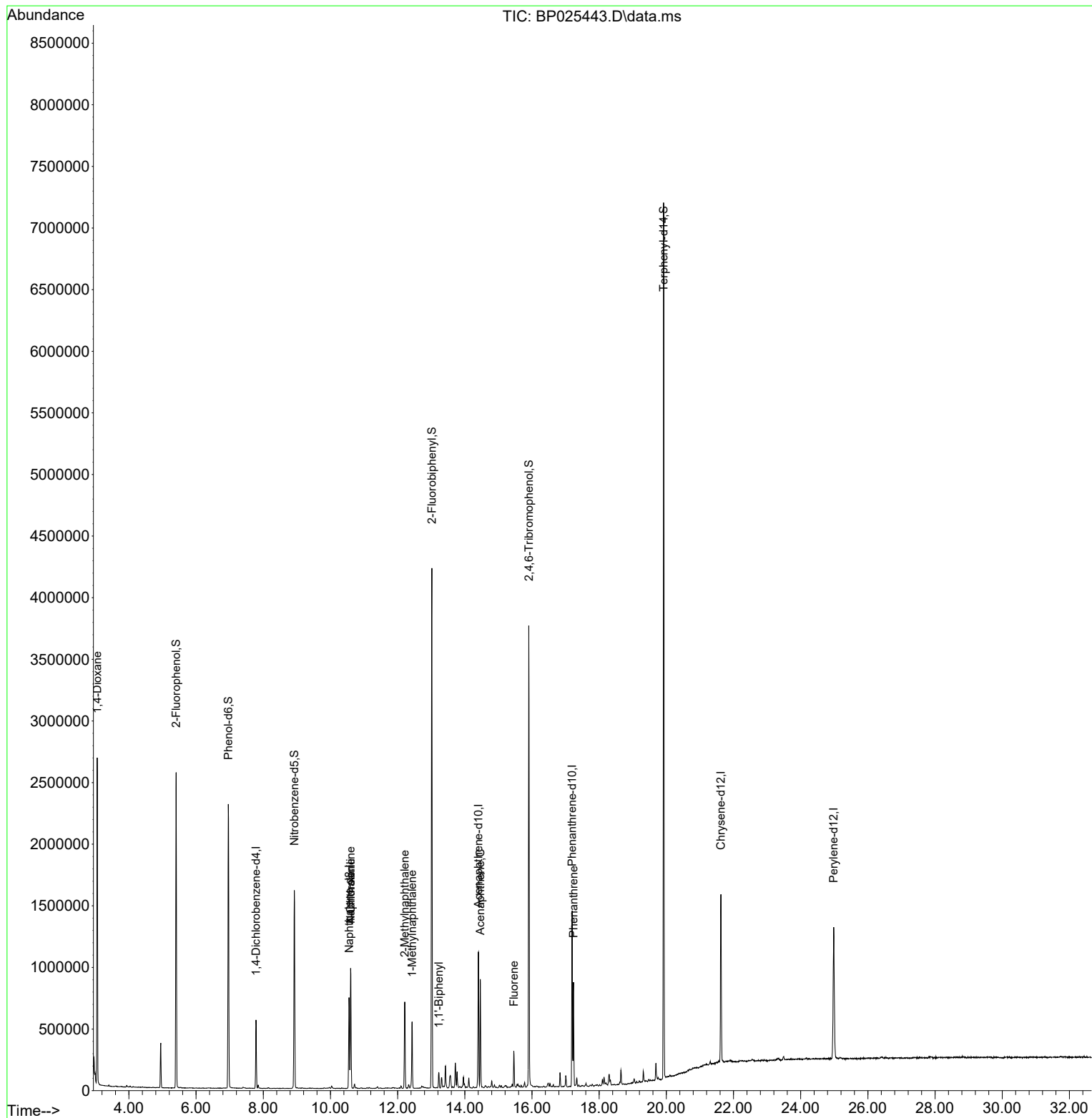
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	149776	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	608329	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	401769	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	800453	20.000	ng	0.00
76) Chrysene-d12	21.624	240	857831	20.000	ng	-0.02
86) Perylene-d12	24.983	264	953202	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	1094890	121.400	ng	0.00
7) Phenol-d6	6.960	99	1326726	114.740	ng	0.00
23) Nitrobenzene-d5	8.925	82	957611	79.630	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	673207	124.487	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2141303	72.840	ng	0.00
79) Terphenyl-d14	19.918	244	3632532	77.474	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.055	88	19703	5.577	ng	# 1
31) Naphthalene	10.601	128	801551	25.351	ng	100
33) 4-Chloroaniline	10.601	127	105554	7.558	ng	# 34
37) 2-Methylnaphthalene	12.213	142	349599	16.990	ng	99
38) 1-Methylnaphthalene	12.430	142	242354	11.076	ng	98
46) 1,1'-Biphenyl	13.225	154	69347	2.377	ng	97
52) Acenaphthene	14.460	154	292687	13.266	ng	99
58) Fluorene	15.460	166	126504	4.596	ng	98
71) Phenanthrene	17.236	178	512689	11.660	ng	99

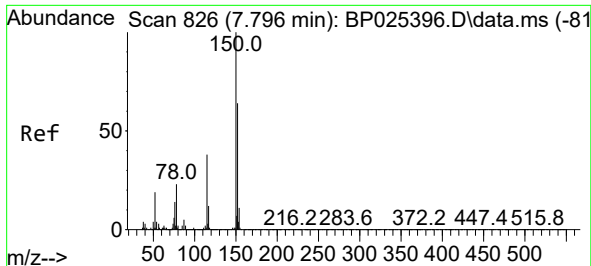
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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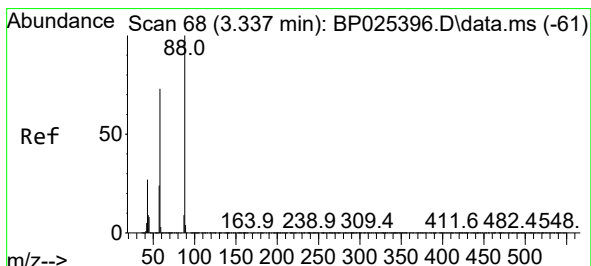
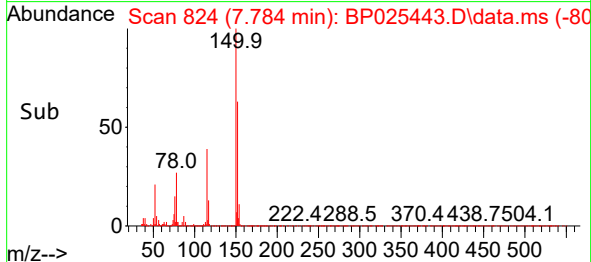
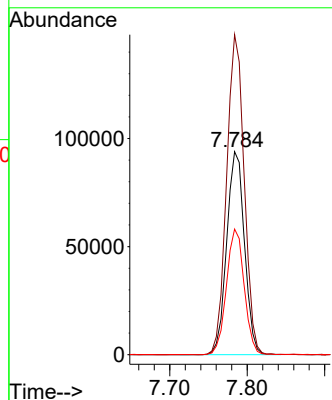
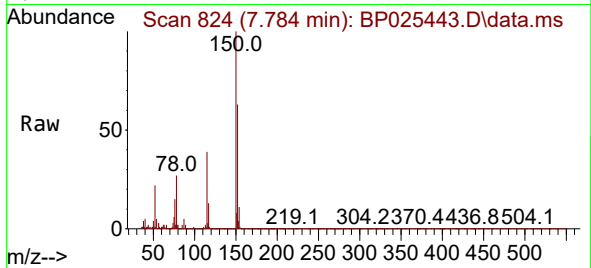




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

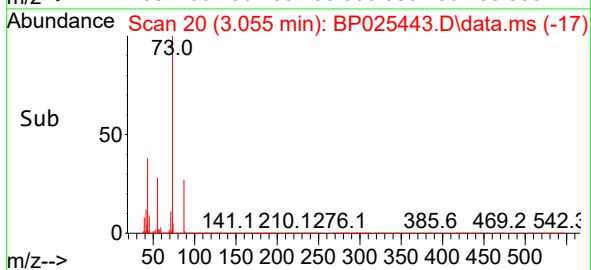
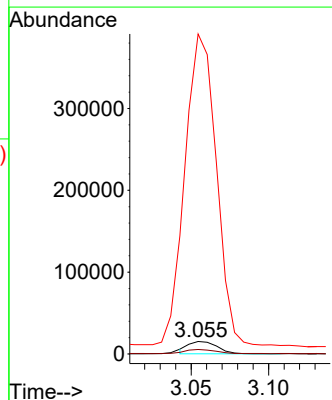
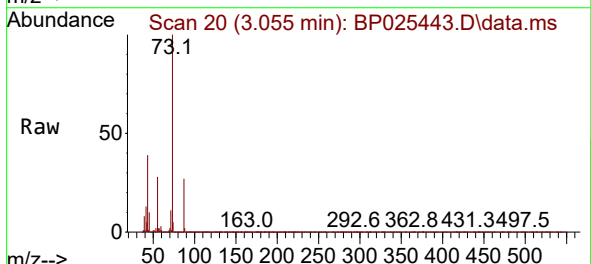
Instrument :
BNA_P
ClientSampleId :
WC-A2-16-C

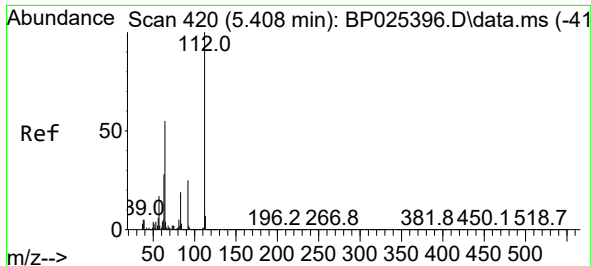
Tgt Ion:152 Resp: 149776
Ion Ratio Lower Upper
152 100
150 157.6 125.9 188.9
115 61.9 48.5 72.7



#2
1,4-Dioxane
Concen: 5.577 ng
RT: 3.055 min Scan# 20
Delta R.T. -0.283 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

Tgt Ion: 88 Resp: 19703
Ion Ratio Lower Upper
88 100
58 31.8 59.2 88.8#
43 2482.9 21.7 32.5#

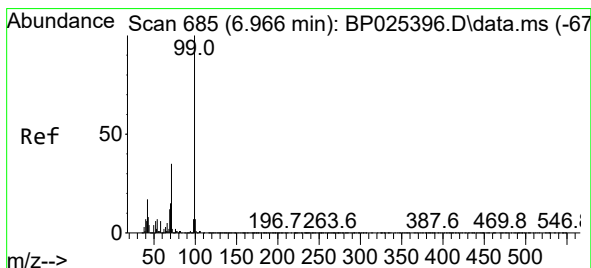
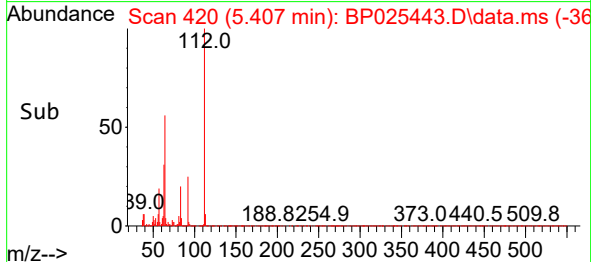
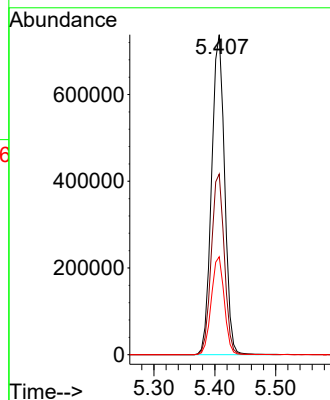
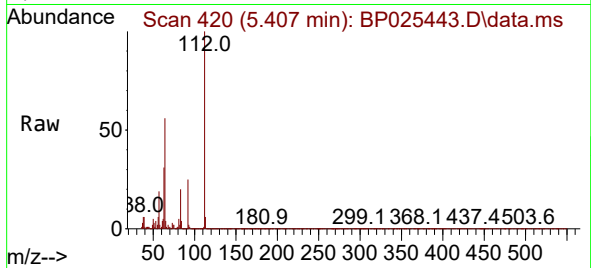




#5
2-Fluorophenol
Concen: 121.400 ng
RT: 5.407 min Scan# 41
Delta R.T. -0.000 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

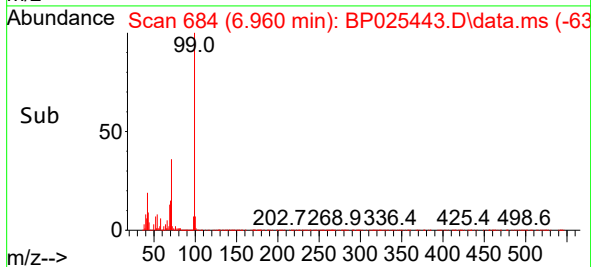
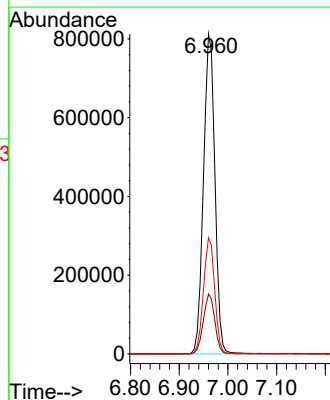
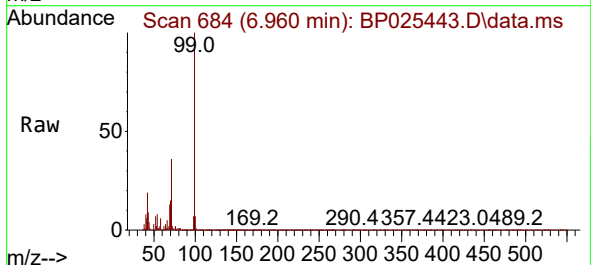
Instrument :
BNA_P
ClientSampleId :
WC-A2-16-C

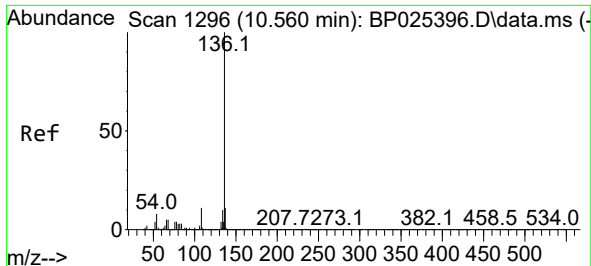
Tgt Ion:112 Resp: 1094890
Ion Ratio Lower Upper
112 100
64 56.5 43.8 65.8
63 30.6 22.7 34.1



#7
Phenol-d6
Concen: 114.740 ng
RT: 6.960 min Scan# 684
Delta R.T. -0.006 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

Tgt Ion: 99 Resp: 1326726
Ion Ratio Lower Upper
99 100
42 18.8 13.7 20.5
71 36.4 28.2 42.4

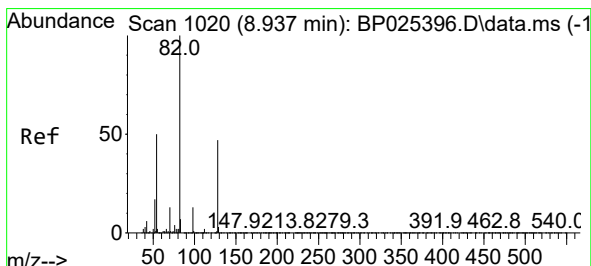
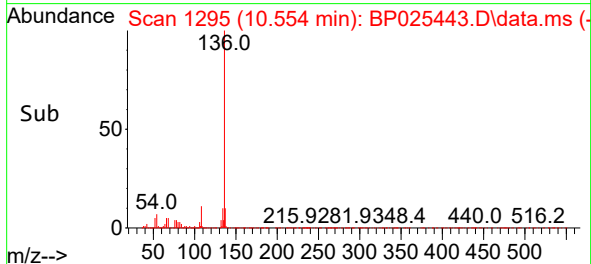
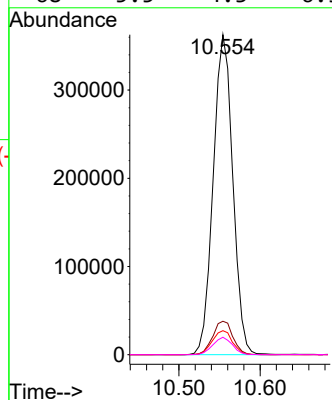
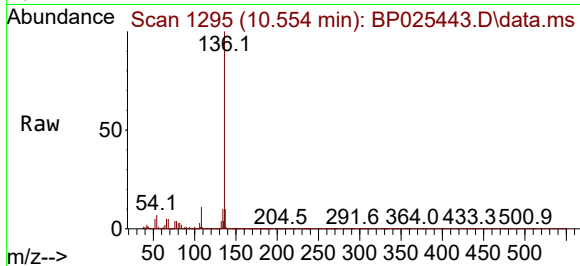




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

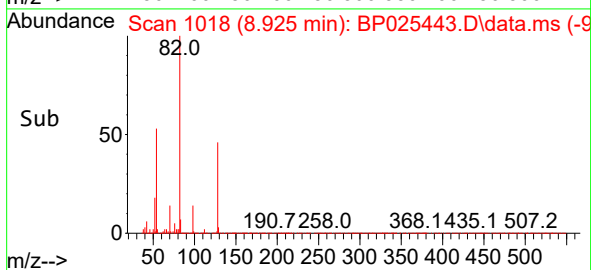
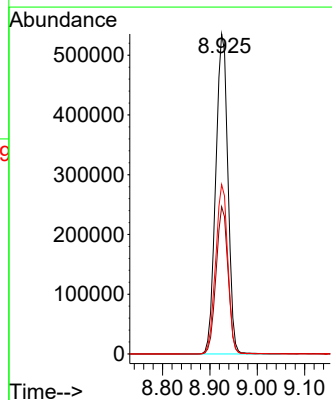
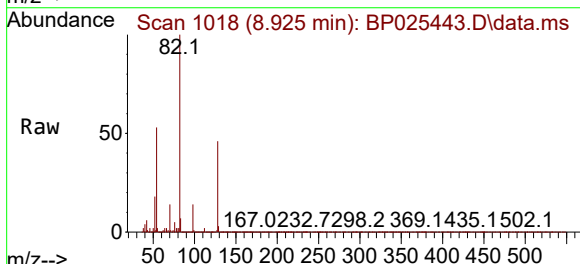
Instrument :
BNA_P
ClientSampleId :
WC-A2-16-C

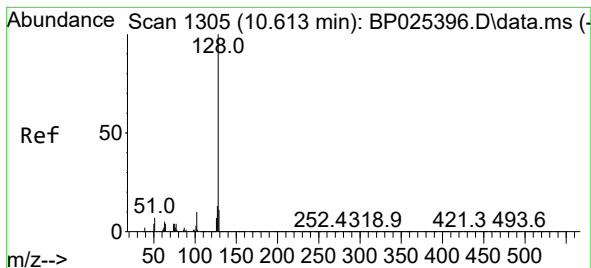
Tgt Ion:	136	Resp:	608329
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.5	6.0	9.0
68	5.5	4.3	6.5



#23
Nitrobenzene-d5
Concen: 79.630 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

Tgt Ion:	82	Resp:	957611
Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.7	56.5
54	53.0	39.8	59.6

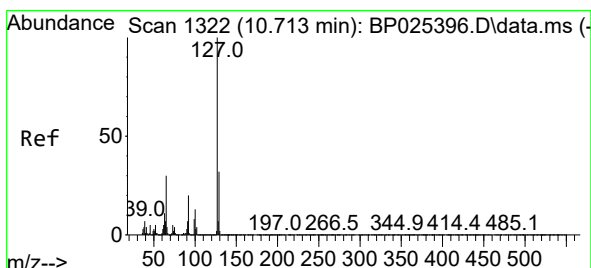
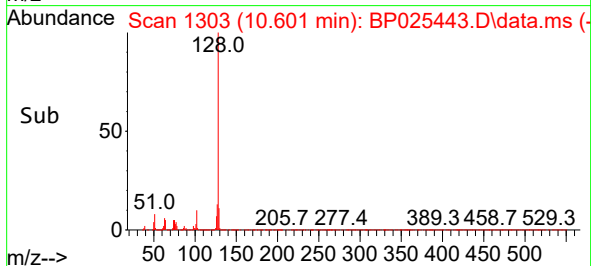
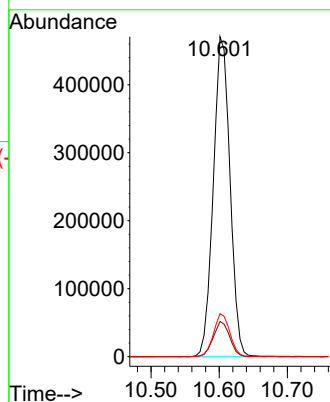
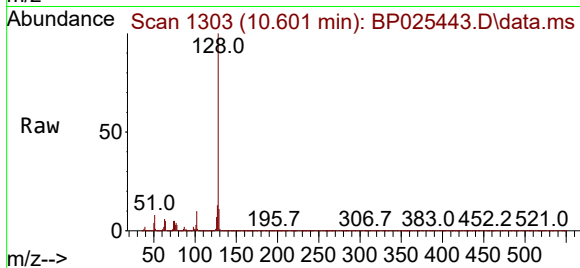




#31
Naphthalene
Concen: 25.351 ng
RT: 10.601 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

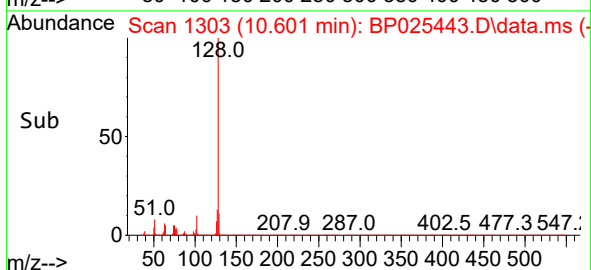
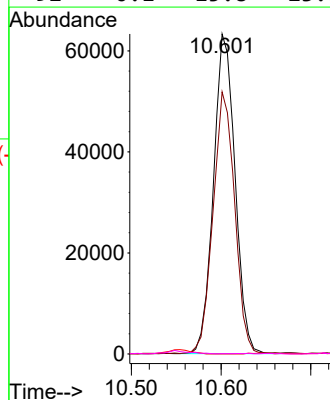
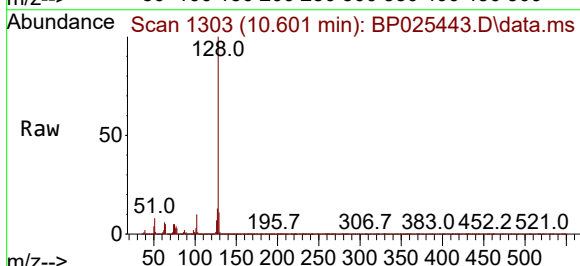
Instrument :
BNA_P
ClientSampleId :
WC-A2-16-C

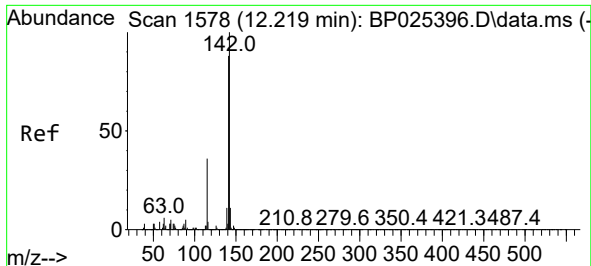
Tgt Ion:128 Resp: 801551
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.5 10.7 16.1



#33
4-Chloroaniline
Concen: 7.558 ng
RT: 10.601 min Scan# 1303
Delta R.T. -0.112 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

Tgt Ion:127 Resp: 105554
Ion Ratio Lower Upper
127 100
129 81.9 25.4 38.2#
65 0.0 23.8 35.6#
92 0.1 15.8 23.8#

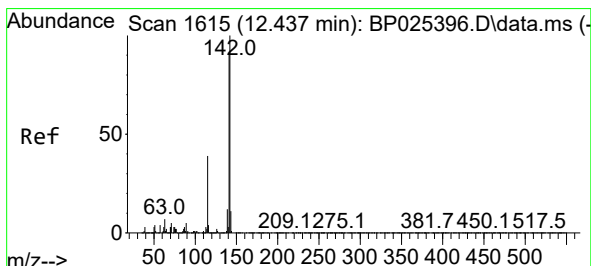
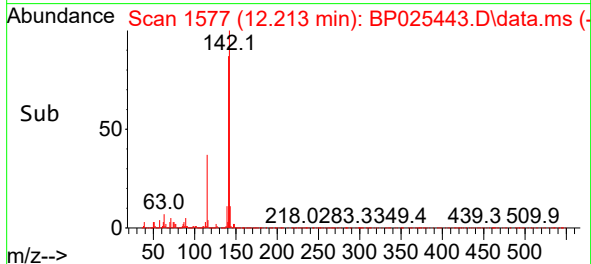
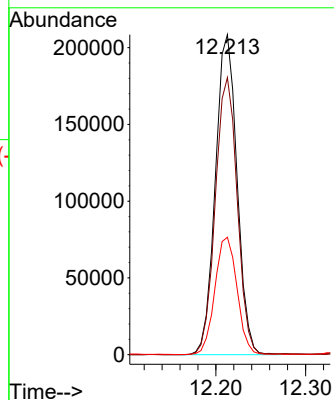
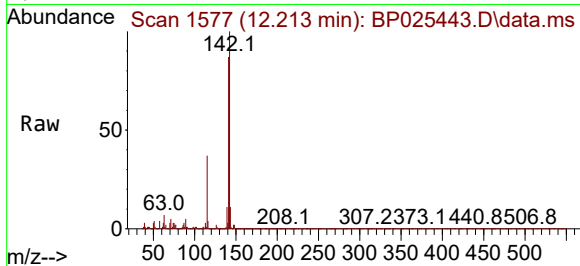




#37
2-Methylnaphthalene
Concen: 16.990 ng
RT: 12.213 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

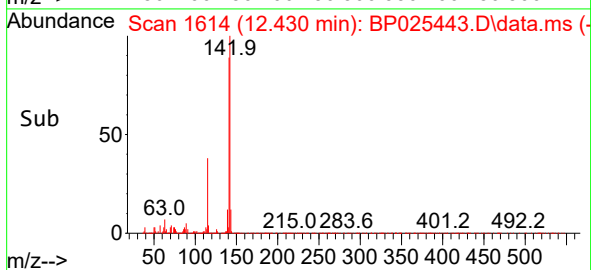
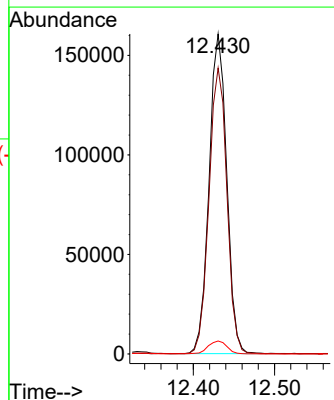
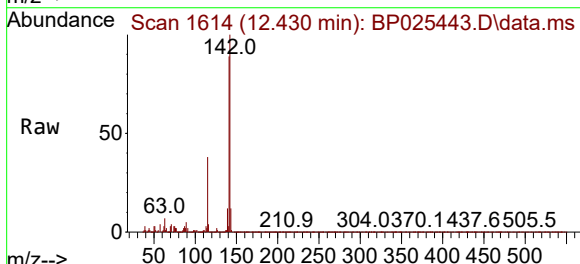
Instrument :
BNA_P
ClientSampleId :
WC-A2-16-C

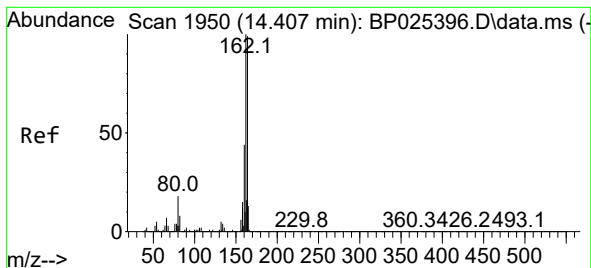
Tgt Ion:142 Resp: 349599
Ion Ratio Lower Upper
142 100
141 86.6 70.3 105.5
115 36.7 28.9 43.3



#38
1-Methylnaphthalene
Concen: 11.076 ng
RT: 12.430 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

Tgt Ion:142 Resp: 242354
Ion Ratio Lower Upper
142 100
141 89.3 73.1 109.7
116 4.0 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.407 min Scan# 1950

Delta R.T. -0.000 min

Lab File: BP025443.D

Acq: 16 Aug 2025 03:19

Instrument :

BNA_P

ClientSampleId :

WC-A2-16-C

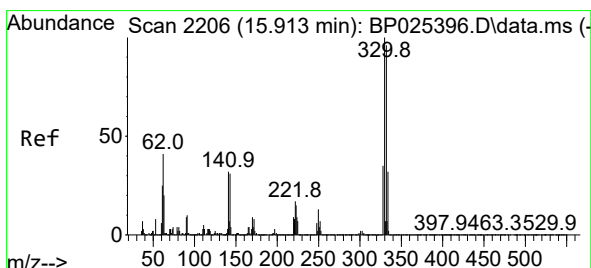
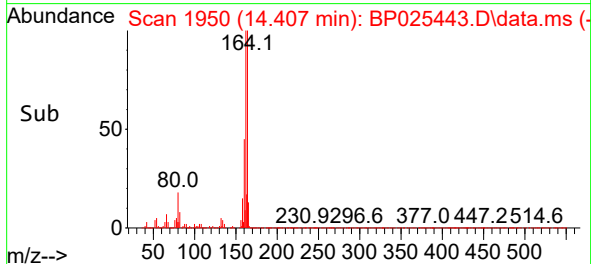
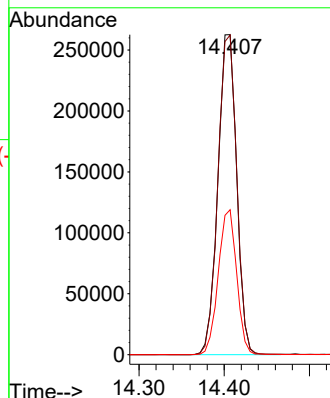
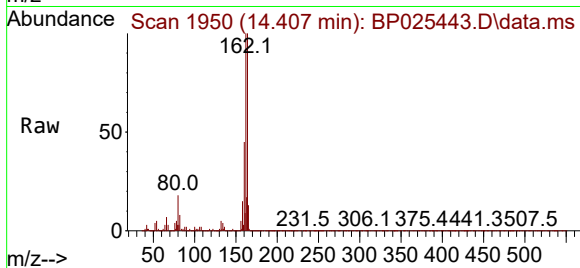
Tgt Ion:164 Resp: 401769

Ion Ratio Lower Upper

164 100

162 99.9 81.0 121.6

160 45.3 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 124.487 ng

RT: 15.907 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BP025443.D

Acq: 16 Aug 2025 03:19

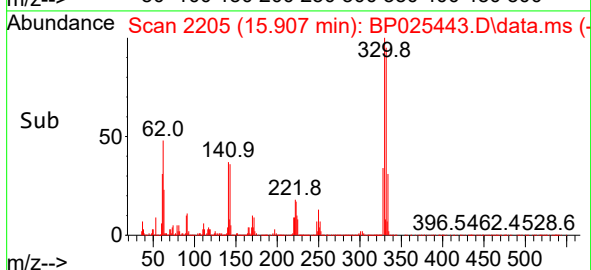
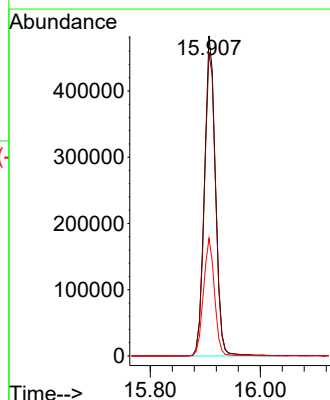
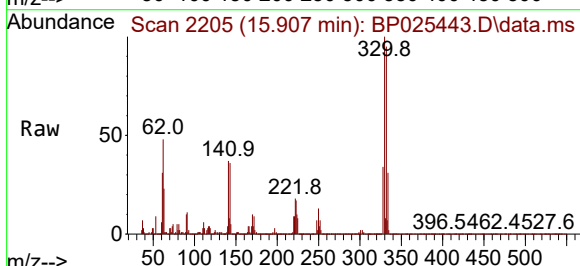
Tgt Ion:330 Resp: 673207

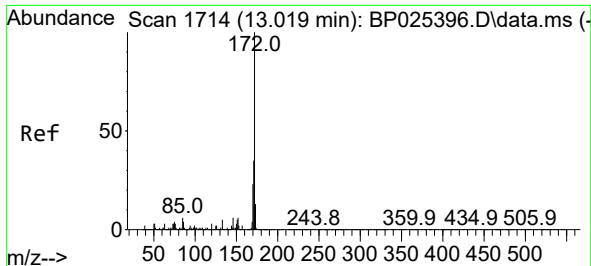
Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

141 37.0 26.6 39.8

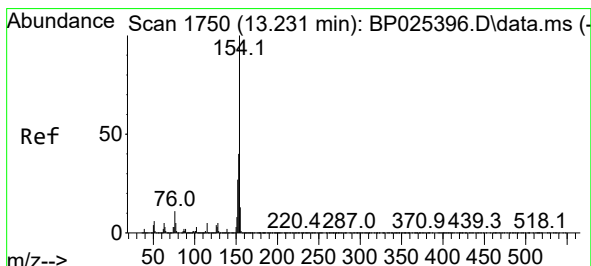
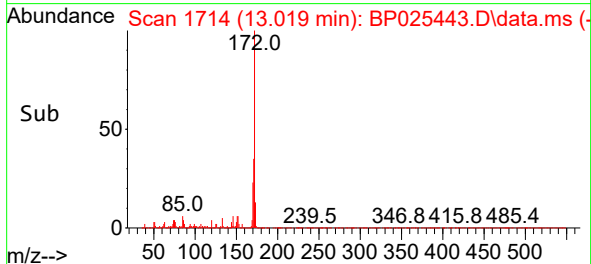
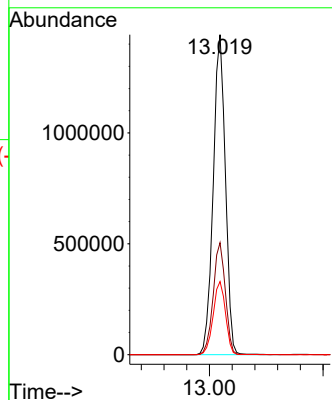
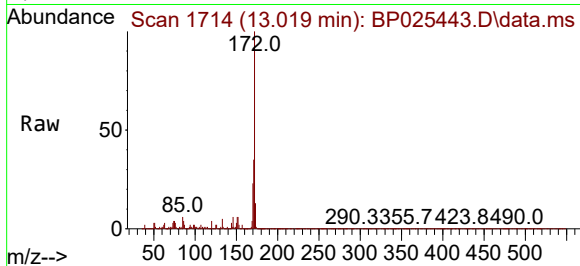




#45
2-Fluorobiphenyl
Concen: 72.840 ng
RT: 13.019 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

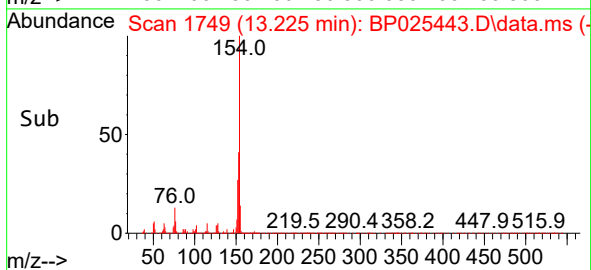
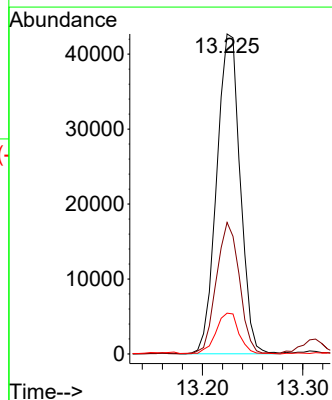
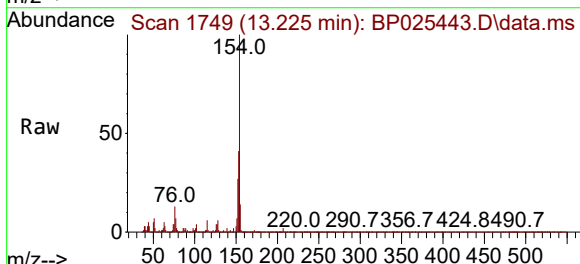
Instrument :
BNA_P
ClientSampleId :
WC-A2-16-C

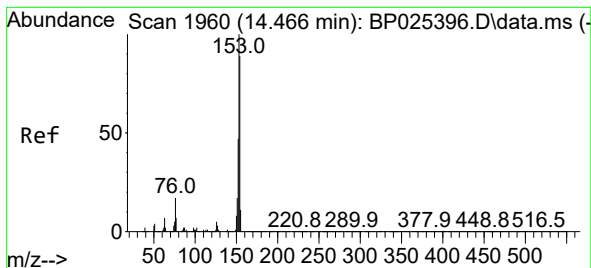
Tgt Ion:172 Resp: 2141303
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 22.9 18.6 28.0



#46
1,1'-Biphenyl
Concen: 2.377 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

Tgt Ion:154 Resp: 69347
Ion Ratio Lower Upper
154 100
153 41.1 19.5 59.5
76 12.8 0.0 31.1





#52

Acenaphthene

Concen: 13.266 ng

RT: 14.460 min Scan# 1960

Delta R.T. -0.006 min

Lab File: BP025443.D

Acq: 16 Aug 2025 03:19

Instrument :

BNA_P

ClientSampleId :

WC-A2-16-C

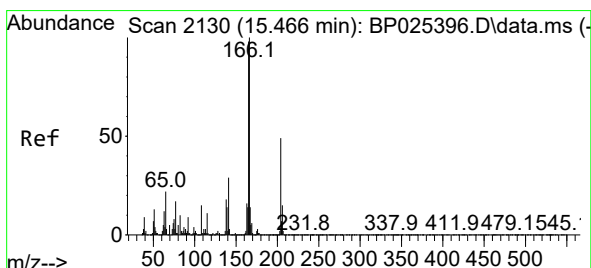
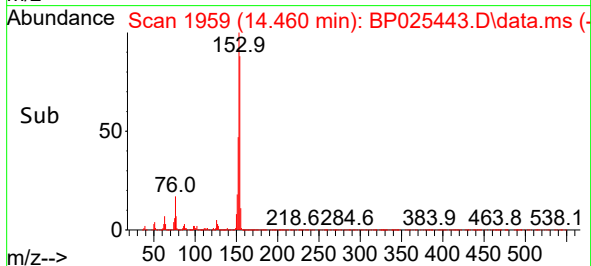
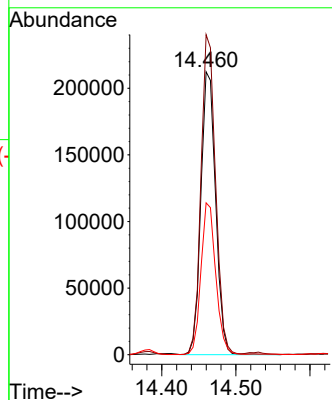
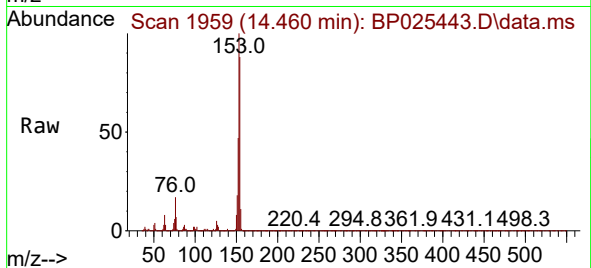
Tgt Ion:154 Resp: 292687

Ion Ratio Lower Upper

154 100

153 113.1 90.2 135.2

152 53.7 42.1 63.1



#58

Fluorene

Concen: 4.596 ng

RT: 15.460 min Scan# 2129

Delta R.T. -0.006 min

Lab File: BP025443.D

Acq: 16 Aug 2025 03:19

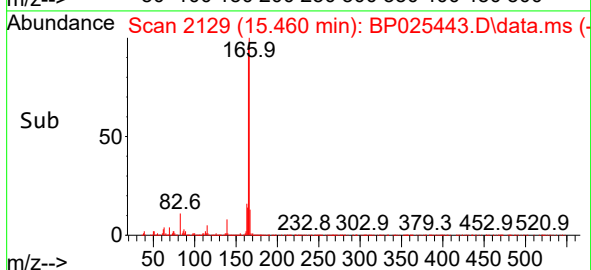
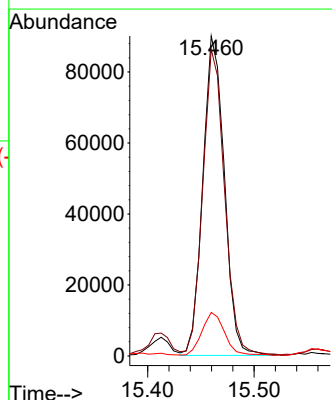
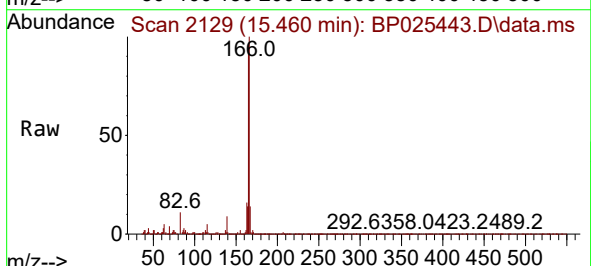
Tgt Ion:166 Resp: 126504

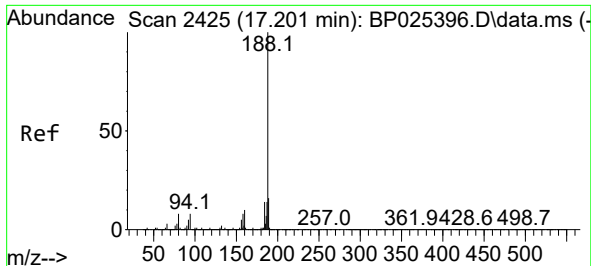
Ion Ratio Lower Upper

166 100

165 95.8 78.8 118.2

167 13.6 11.0 16.4

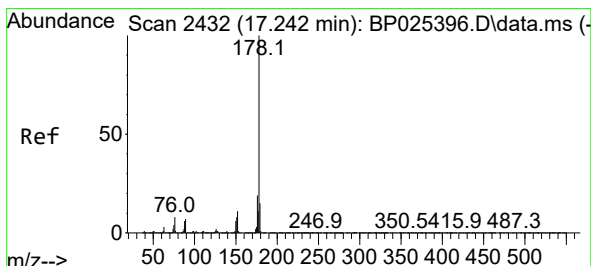
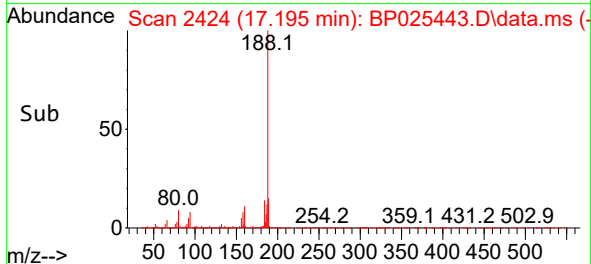
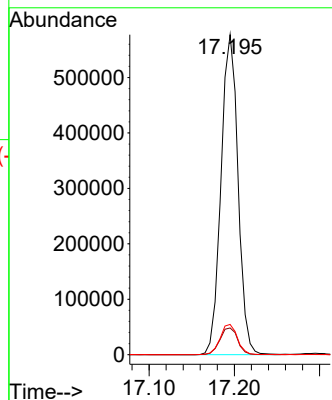
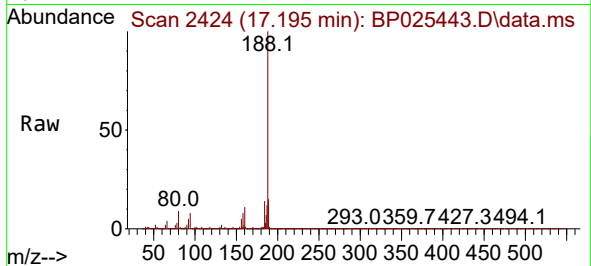




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

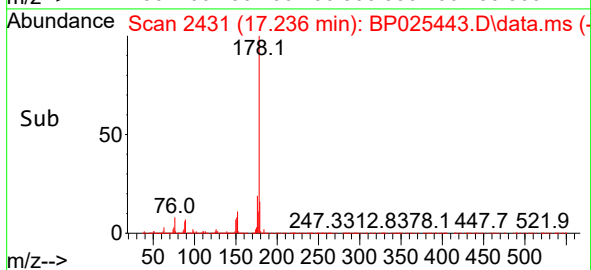
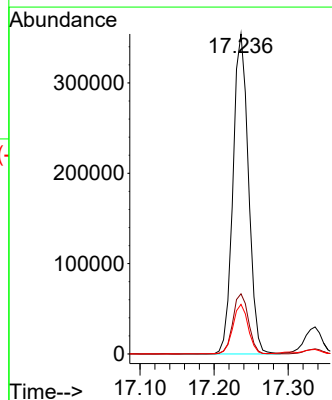
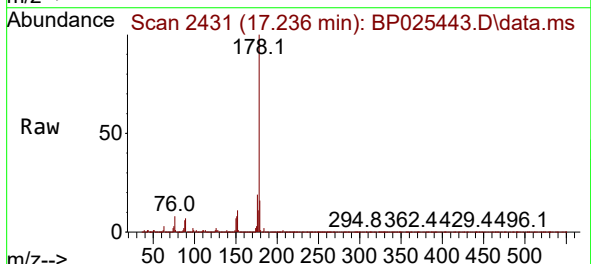
Instrument :
BNA_P
ClientSampleId :
WC-A2-16-C

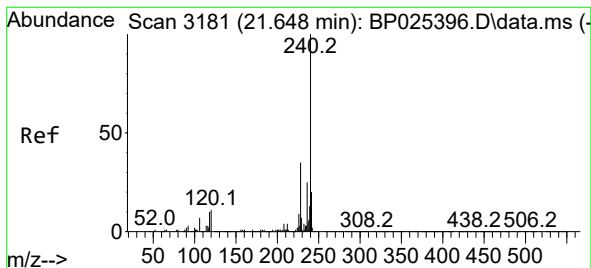
Tgt Ion:188 Resp: 800453
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.5 6.7 10.1



#71
Phenanthrene
Concen: 11.660 ng
RT: 17.236 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

Tgt Ion:178 Resp: 512689
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.5 12.2 18.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.624 min Scan# 3181

Delta R.T. -0.024 min

Lab File: BP025443.D

Acq: 16 Aug 2025 03:19

Instrument :

BNA_P

ClientSampleId :

WC-A2-16-C

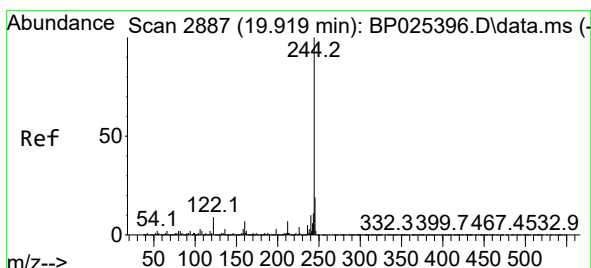
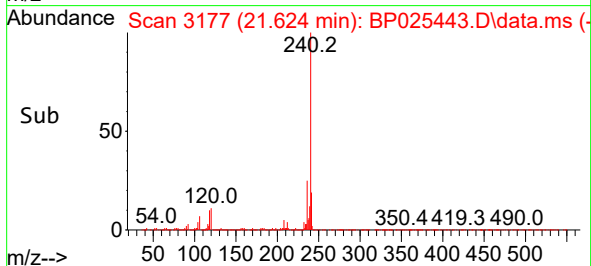
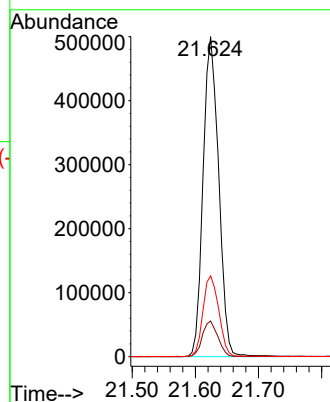
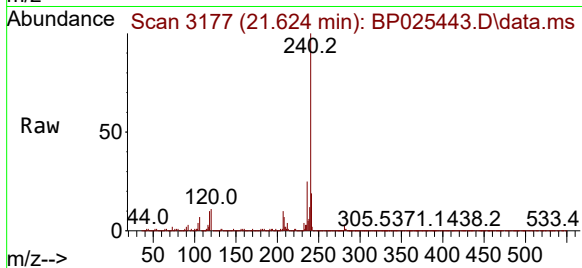
Tgt Ion:240 Resp: 857831

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

236 25.3 19.8 29.8



#79

Terphenyl-d14

Concen: 77.474 ng

RT: 19.918 min Scan# 2887

Delta R.T. -0.000 min

Lab File: BP025443.D

Acq: 16 Aug 2025 03:19

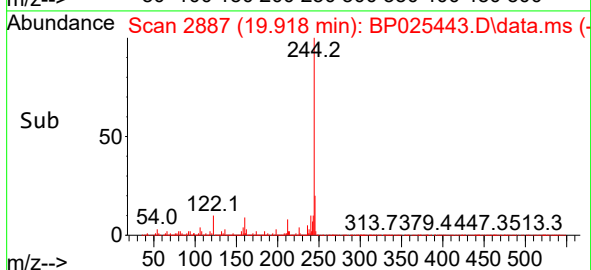
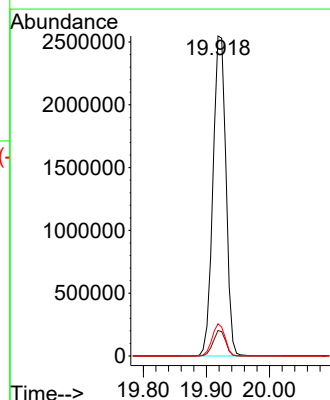
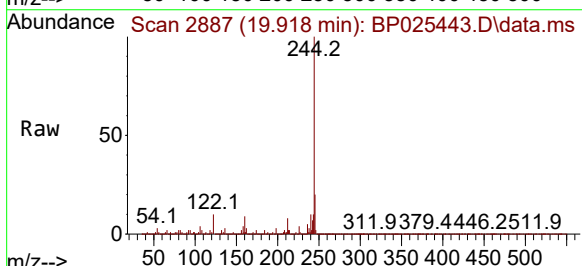
Tgt Ion:244 Resp: 3632532

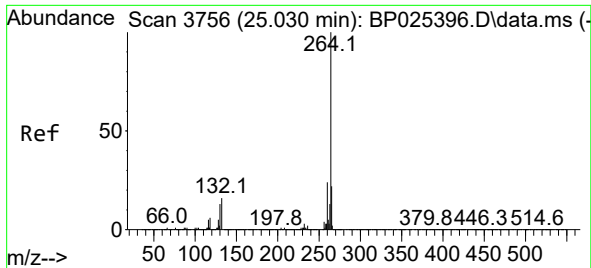
Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.6

122 10.1 7.4 11.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.983 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP025443.D
Acq: 16 Aug 2025 03:19

Instrument :
BNA_P
ClientSampleId :
WC-A2-16-C

Tgt Ion:264 Resp: 953202

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	21.6	17.4	26.0

