

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142672.D
 Acq On : 07 Jun 2025 05:36
 Operator : RC/JU
 Sample : Q2125-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GSB3

Quant Time: Jun 09 01:01:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

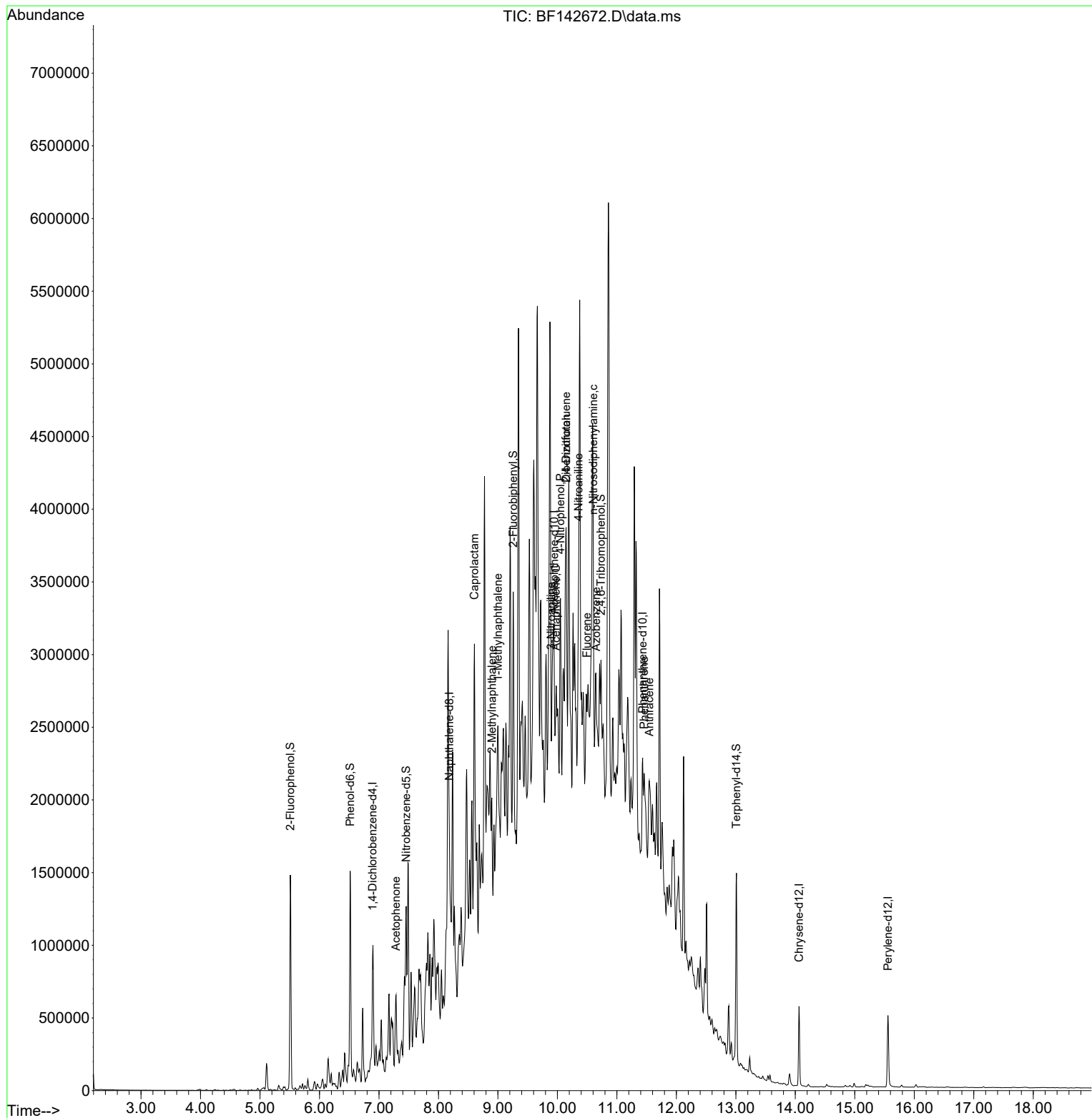
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	136874	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	458536	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	205008	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	287347	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	273748	20.000	ng	-0.01
86) Perylene-d12	15.557	264	297233	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	575999	70.899	ng	0.00
7) Phenol-d6	6.516	99	704924	72.081	ng	-0.02
23) Nitrobenzene-d5	7.457	82	427920	50.888	ng	-0.02
42) 2,4,6-Tribromophenol	10.733	330	152307	66.938	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	801801	52.481	ng	-0.01
79) Terphenyl-d14	13.010	244	660614	32.978	ng	0.00
Target Compounds						Qvalue
22) Acetophenone	7.287	105	55855	5.503	ng	# 42
35) Caprolactam	8.604	113	79791	43.712	ng	# 22
37) 2-Methylnaphthalene	8.898	142	317955	22.384	ng	99
38) 1-Methylnaphthalene	8.998	142	330247	22.477	ng	98
52) Acenaphthene	9.975	154	48877	4.034	ng	# 69
53) 3-Nitroaniline	9.892	138	9524	2.987	ng	# 33
55) Dibenzofuran	10.145	168	49239	2.824	ng	# 1
56) 4-Nitrophenol	10.051	139	43445	18.464	ng	# 44
57) 2,4-Dinitrotoluene	10.145	165	17867	4.686	ng	# 55
58) Fluorene	10.492	166	90448	6.715	ng	# 81
62) 4-Nitroaniline	10.357	138	7065	2.443	ng	89
63) Azobenzene	10.651	77	29802	2.512	ng	# 1
66) n-Nitrosodiphenylamine	10.604	169	327442	33.308	ng	# 50
71) Phenanthrene	11.457	178	255606	16.645	ng	# 91
72) Anthracene	11.545	178	166129	10.600	ng	# 1

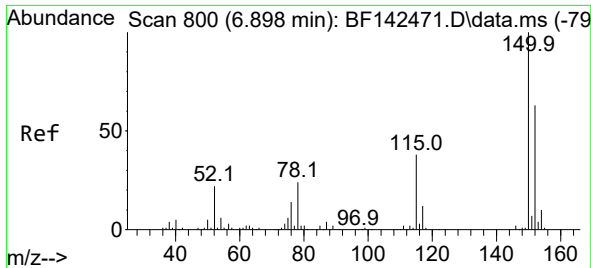
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142672.D
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Quant Time: Jun 09 01:01:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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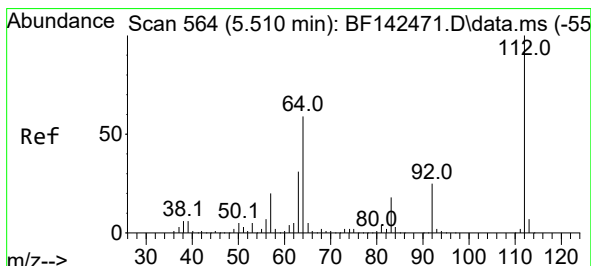
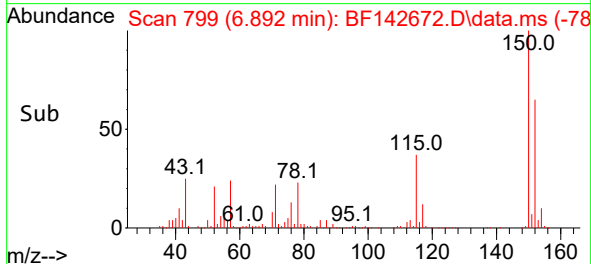
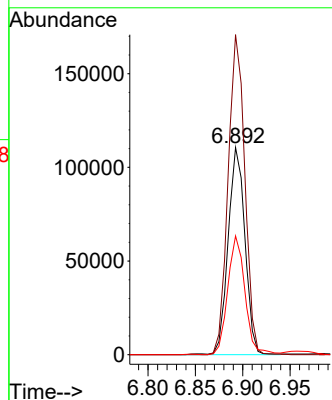
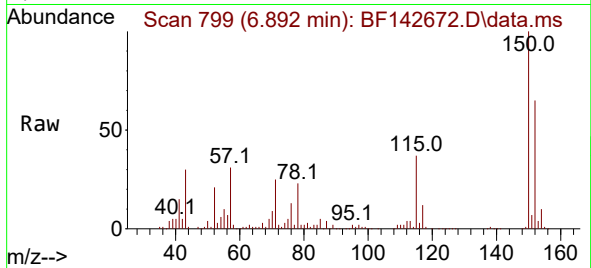




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

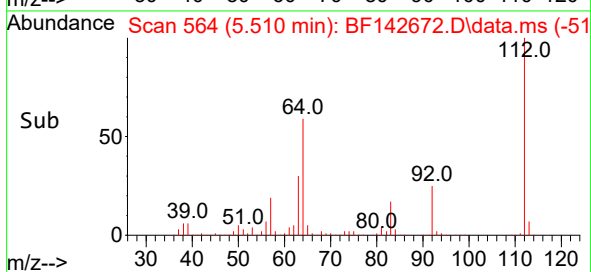
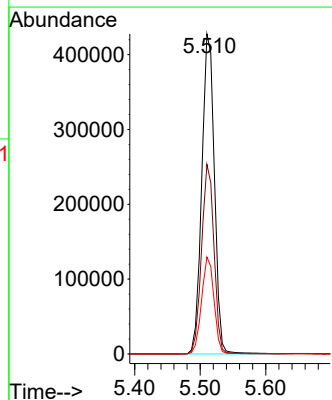
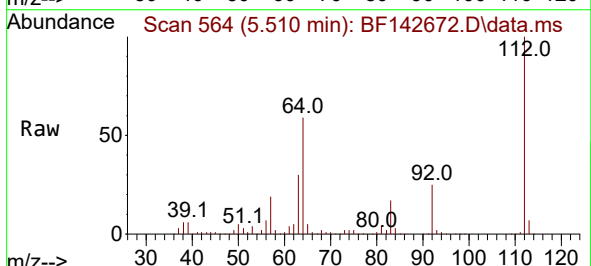
Instrument :
BNA_F
ClientSampleId :
GSB3

Tgt Ion:152 Resp: 136874
Ion Ratio Lower Upper
152 100
150 154.4 128.2 192.4
115 57.3 48.3 72.5



#5
2-Fluorophenol
Concen: 70.899 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion:112 Resp: 575999
Ion Ratio Lower Upper
112 100
64 59.2 47.5 71.3
63 30.3 24.9 37.3

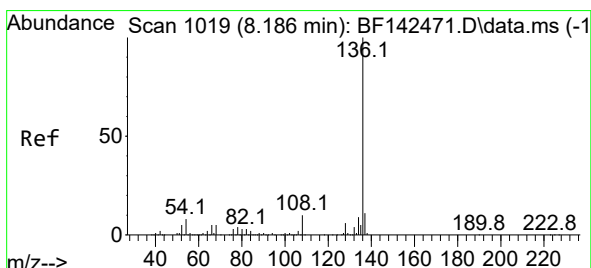
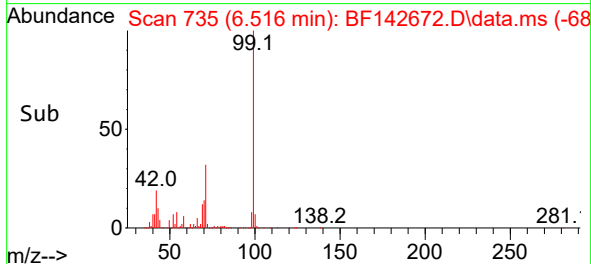
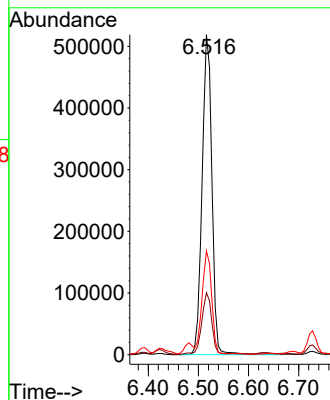
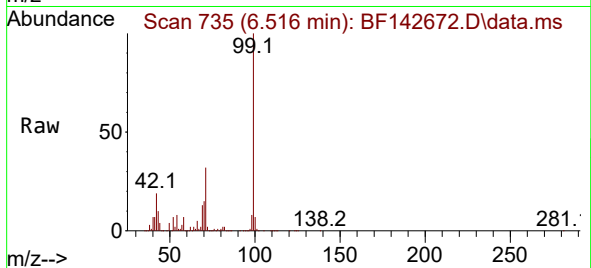




#7
Phenol-d6
Concen: 72.081 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

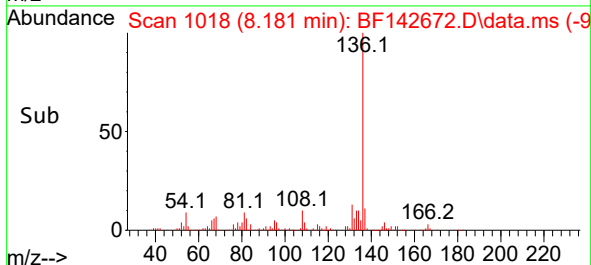
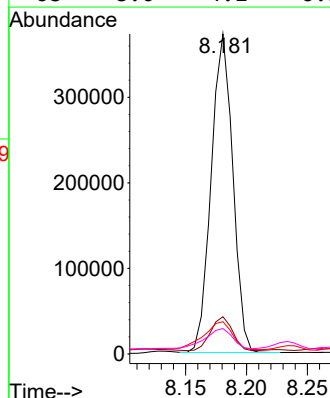
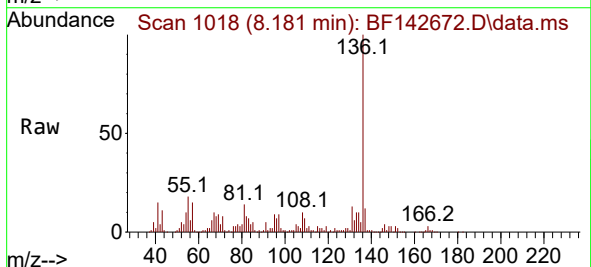
Instrument :
BNA_F
ClientSampleId :
GSB3

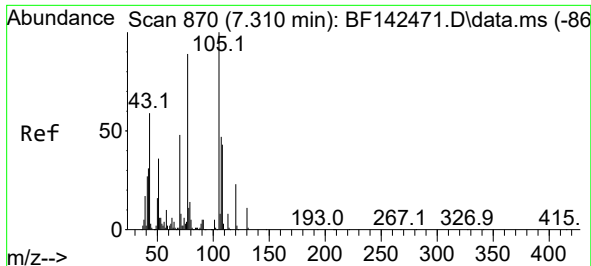
Tgt Ion: 99 Resp: 704924
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.2
71 32.4 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 136 Resp: 458536
Ion Ratio Lower Upper
136 100
137 11.7 8.6 13.0
54 10.1 6.6 10.0#
68 8.0 4.1 6.1#

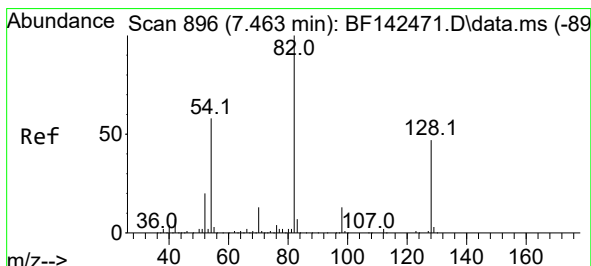
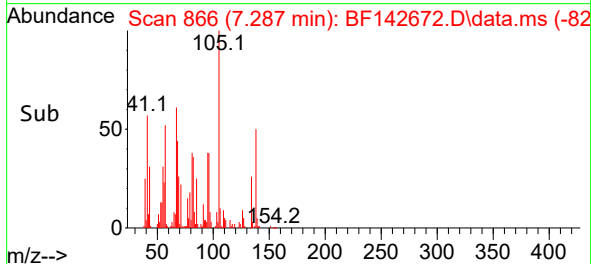
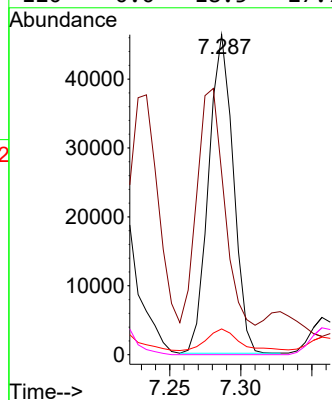
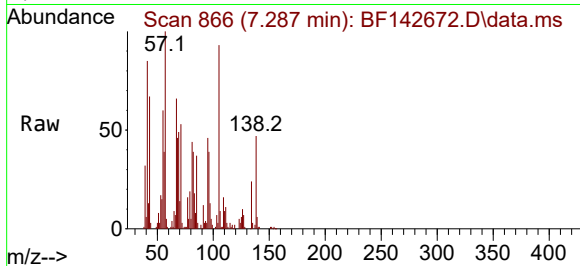




#22
Acetophenone
Concen: 5.503 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.029 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

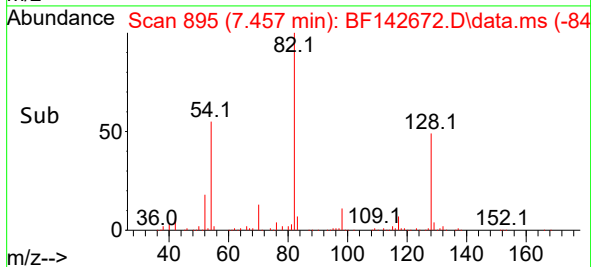
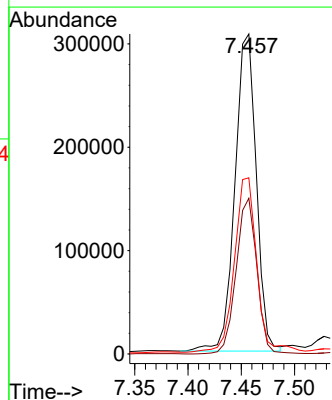
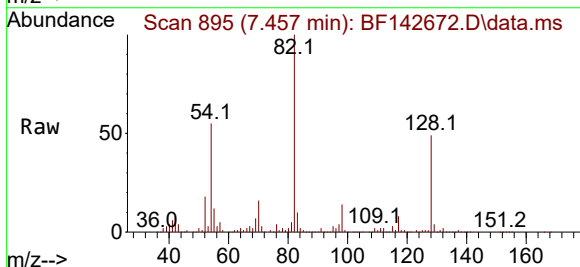
Instrument :
BNA_F
ClientSampleId :
GSB3

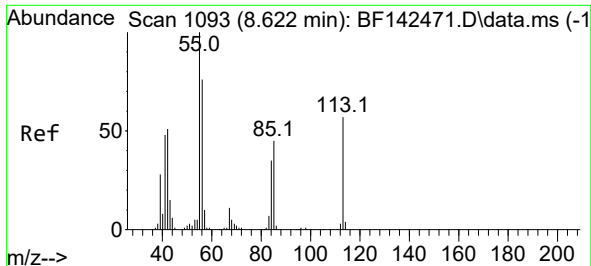
Tgt Ion:105 Resp: 55855
Ion Ratio Lower Upper
105 100
71 56.7 6.4 9.6#
51 8.1 28.6 42.8#
120 0.0 18.5 27.7#



#23
Nitrobenzene-d5
Concen: 50.888 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 82 Resp: 427920
Ion Ratio Lower Upper
82 100
128 48.7 37.4 56.2
54 55.1 46.6 70.0

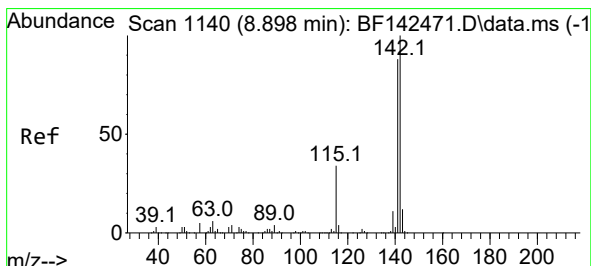
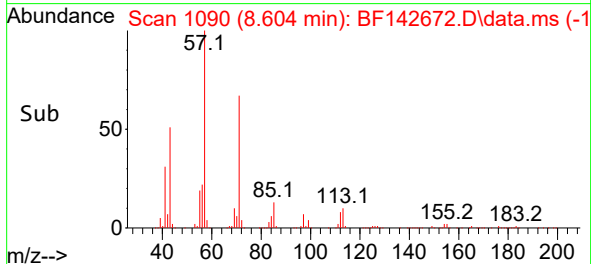
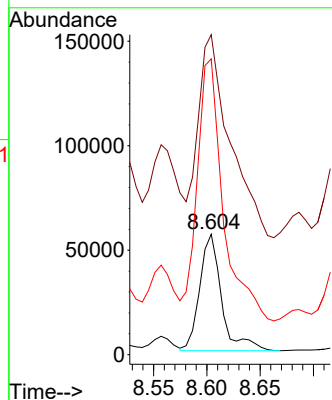
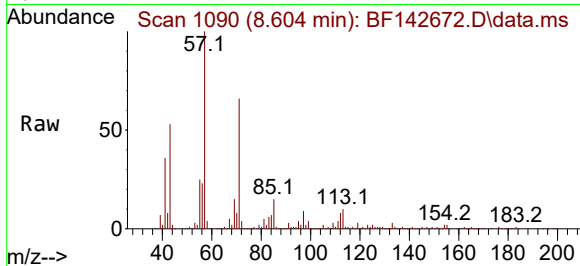




#35
 Caprolactam
 Concen: 43.712 ng
 RT: 8.604 min Scan# 1090
 Delta R.T. -0.041 min
 Lab File: BF142672.D
 Acq: 07 Jun 2025 05:36

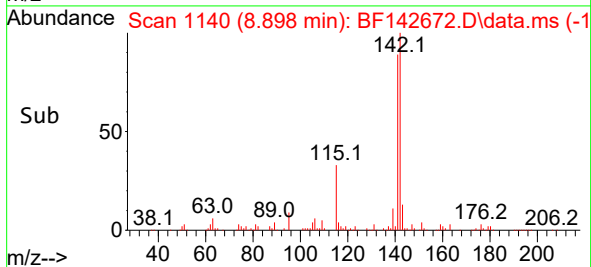
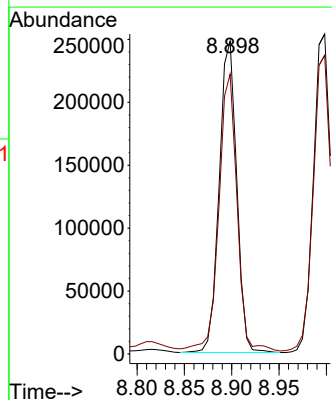
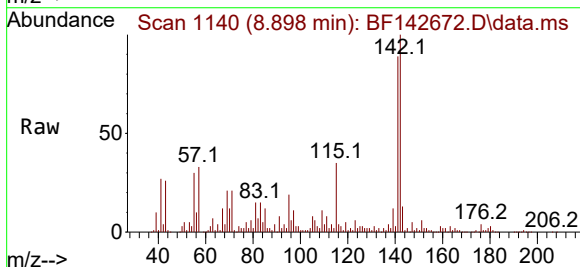
Instrument :
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 ClientSampleId :
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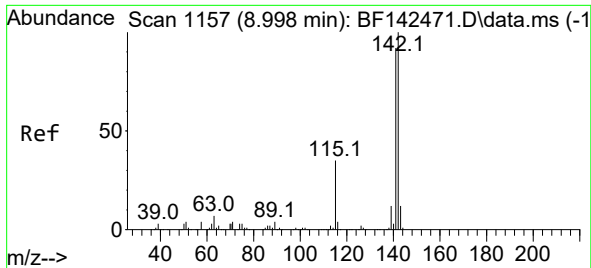
Tgt Ion:113 Resp: 79791
 Ion Ratio Lower Upper
 113 100
 55 265.7 154.7 194.7#
 56 245.6 113.2 153.2#



#37
 2-Methylnaphthalene
 Concen: 22.384 ng
 RT: 8.898 min Scan# 1140
 Delta R.T. 0.000 min
 Lab File: BF142672.D
 Acq: 07 Jun 2025 05:36

Tgt Ion:142 Resp: 317955
 Ion Ratio Lower Upper
 142 100
 141 89.5 70.7 106.1

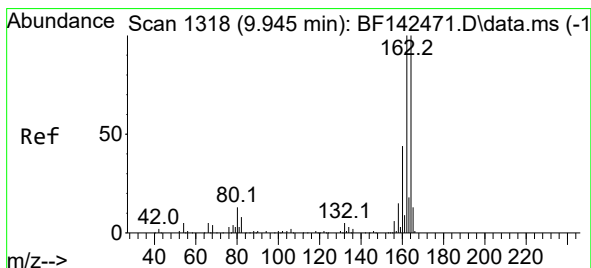
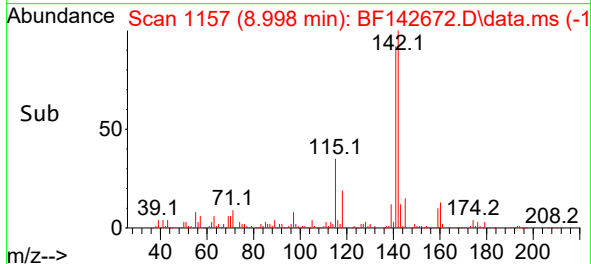
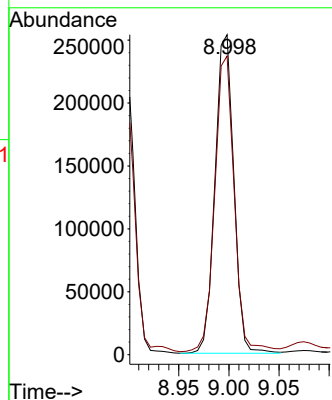
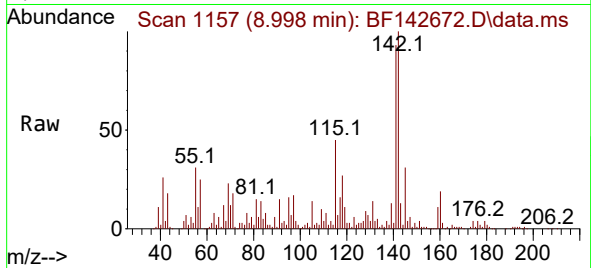




#38
1-Methylnaphthalene
Concen: 22.477 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

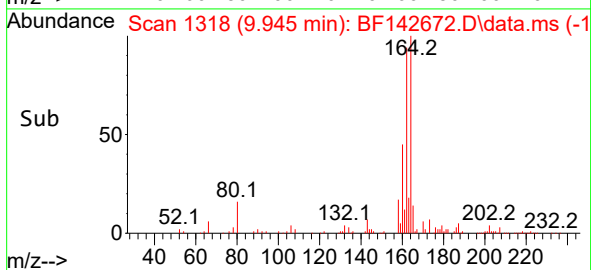
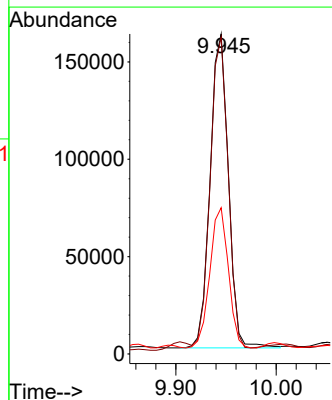
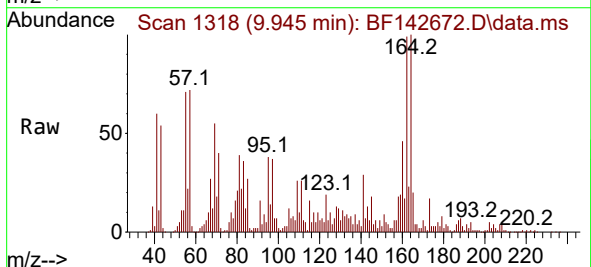
Instrument :
BNA_F
ClientSampleId :
GSB3

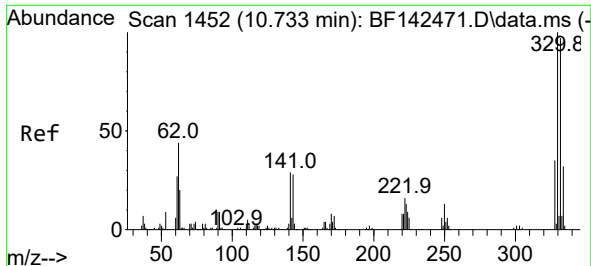
Tgt Ion:142 Resp: 330247
Ion Ratio Lower Upper
142 100
141 93.4 73.4 110.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion:164 Resp: 205008
Ion Ratio Lower Upper
164 100
162 99.0 80.2 120.4
160 45.7 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 66.938 ng

RT: 10.733 min Scan# 1452

Delta R.T. -0.006 min

Lab File: BF142672.D

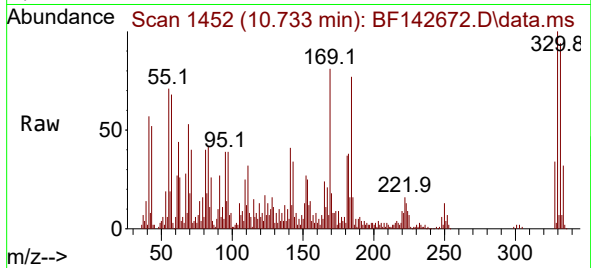
Acq: 07 Jun 2025 05:36

Instrument :

BNA_F

ClientSampleId :

GSB3



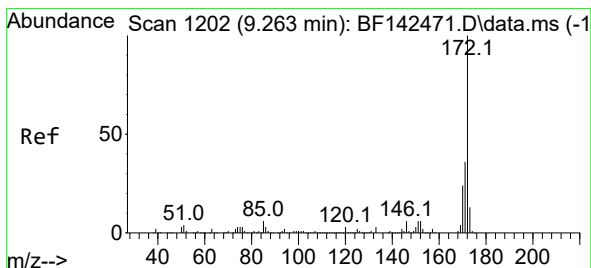
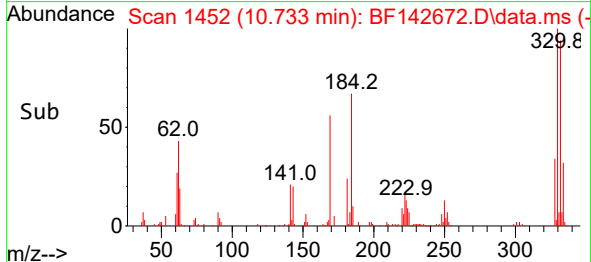
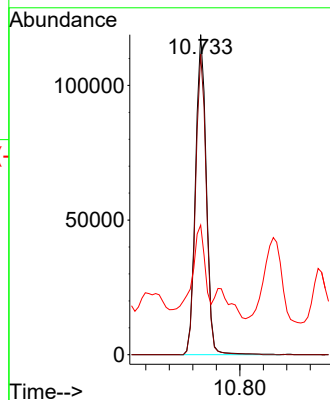
Tgt Ion:330 Resp: 152307

Ion Ratio Lower Upper

330 100

332 93.5 77.6 116.4

141 28.1 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 52.481 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142672.D

Acq: 07 Jun 2025 05:36

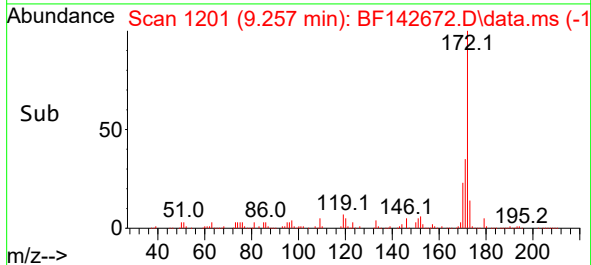
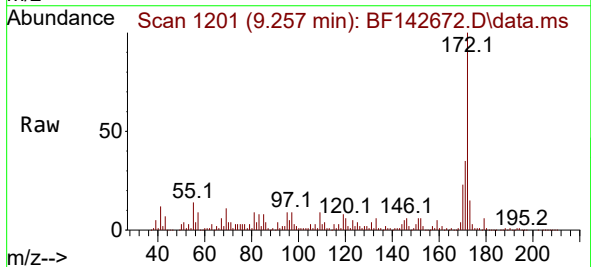
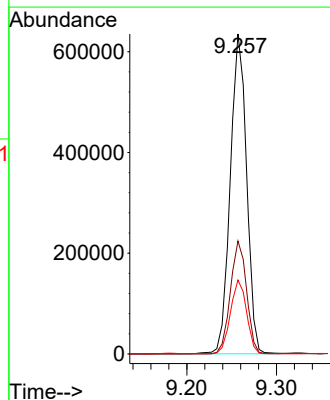
Tgt Ion:172 Resp: 801801

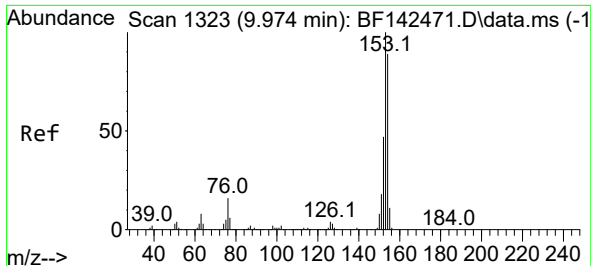
Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.1 18.9 28.3

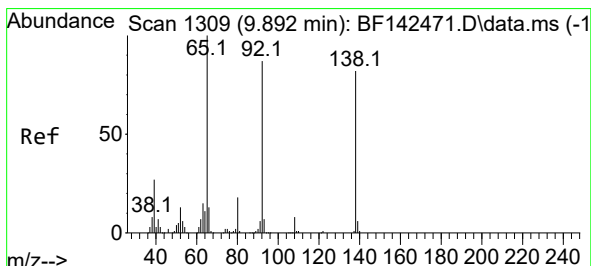
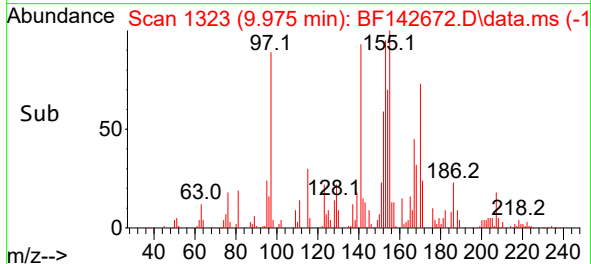
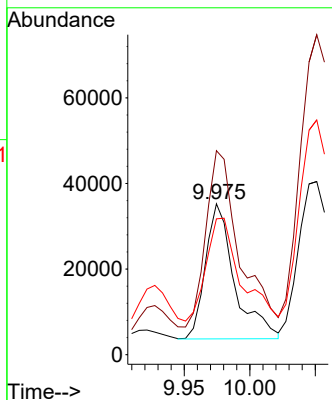
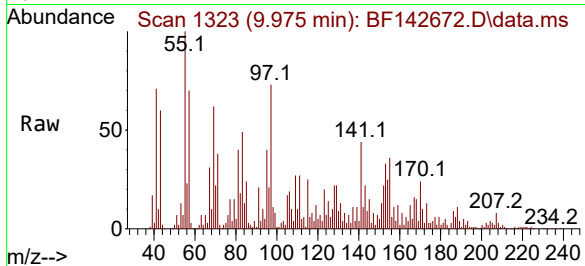




#52
Acenaphthene
Concen: 4.034 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

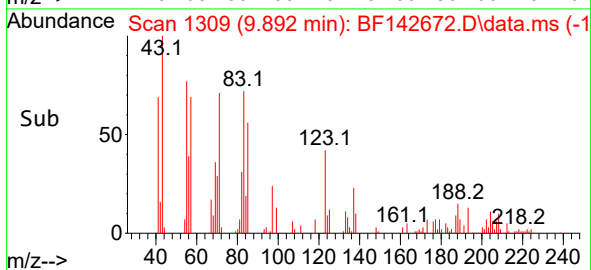
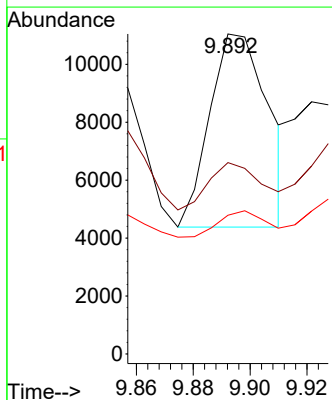
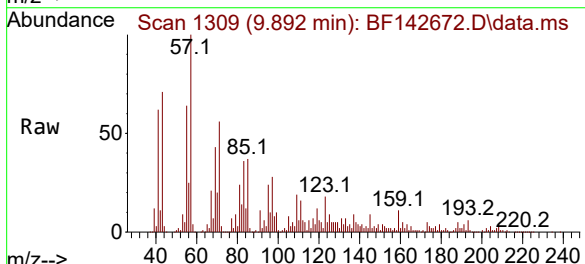
Instrument :
BNA_F
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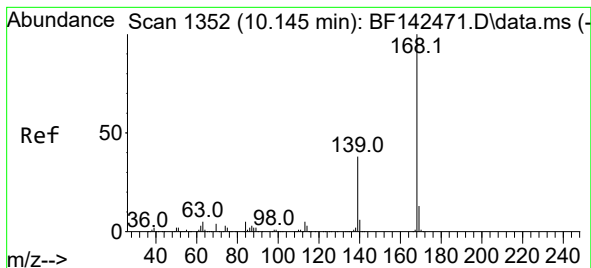
Tgt Ion:154 Resp: 48877
Ion Ratio Lower Upper
154 100
153 135.3 90.0 135.0#
152 90.1 42.6 64.0#



#53
3-Nitroaniline
Concen: 2.987 ng
RT: 9.892 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion:138 Resp: 9524
Ion Ratio Lower Upper
138 100
108 59.8 8.1 12.1#
92 43.4 85.2 127.8#





#55

Dibenzofuran

Concen: 2.824 ng

RT: 10.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142672.D

Acq: 07 Jun 2025 05:36

Instrument :

BNA_F

ClientSampleId :

GSB3

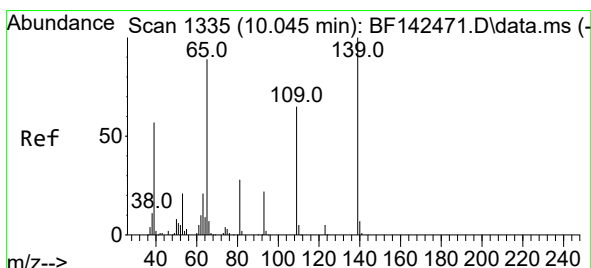
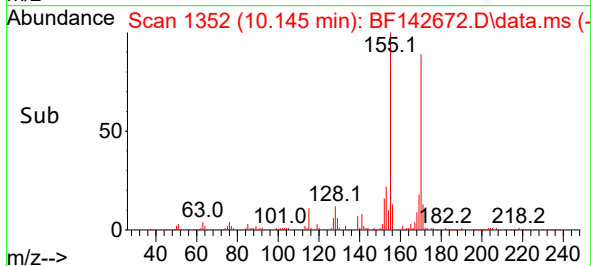
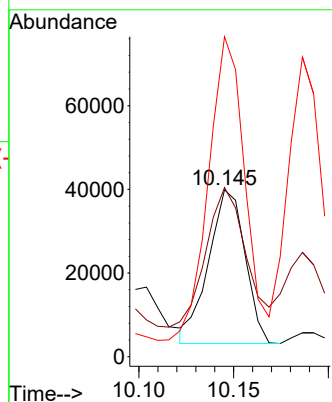
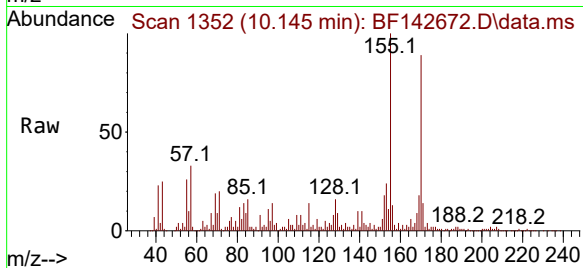
Tgt Ion:168 Resp: 49239

Ion Ratio Lower Upper

168 100

139 101.3 30.2 45.2#

169 191.8 10.7 16.1#



#56

4-Nitrophenol

Concen: 18.464 ng

RT: 10.051 min Scan# 1336

Delta R.T. 0.000 min

Lab File: BF142672.D

Acq: 07 Jun 2025 05:36

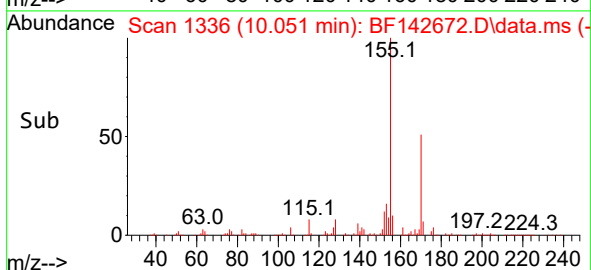
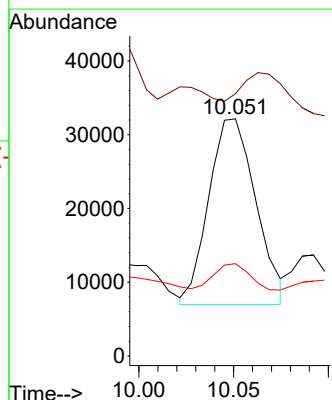
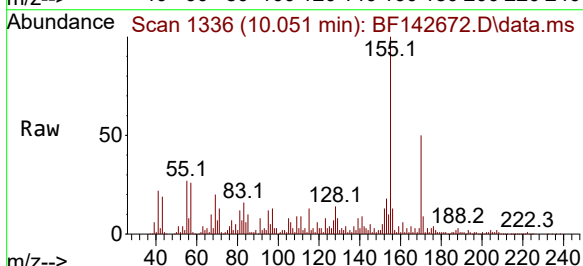
Tgt Ion:139 Resp: 43445

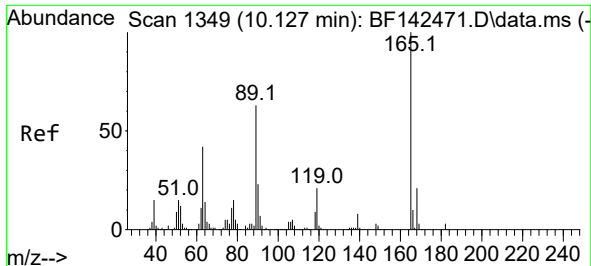
Ion Ratio Lower Upper

139 100

109 110.7 45.1 85.1#

65 39.0 69.7 109.7#

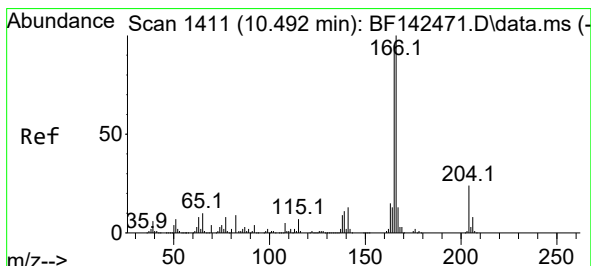
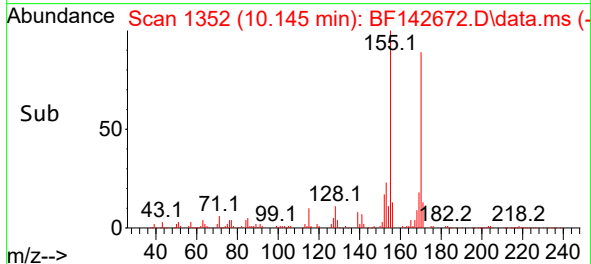
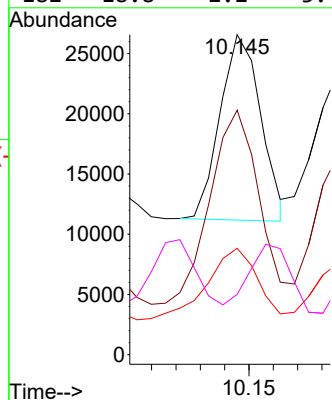
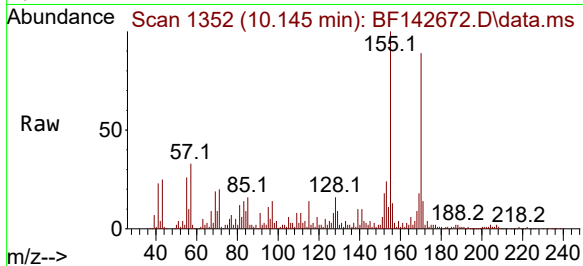




#57
2,4-Dinitrotoluene
Concen: 4.686 ng
RT: 10.145 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

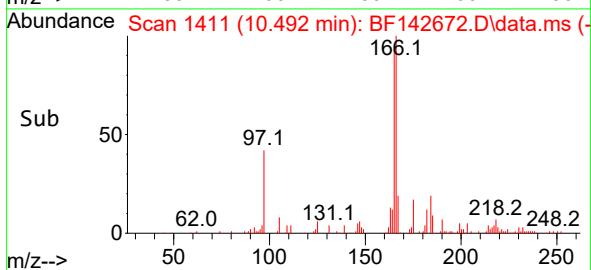
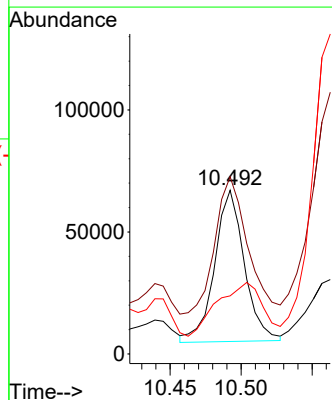
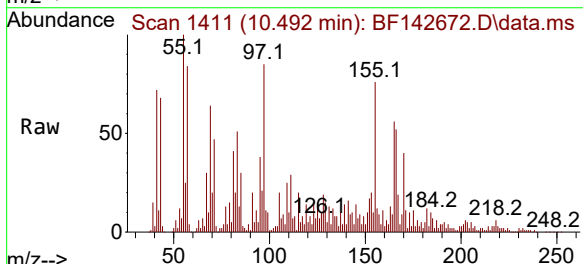
Instrument :
BNA_F
ClientSampleId :
GSB3

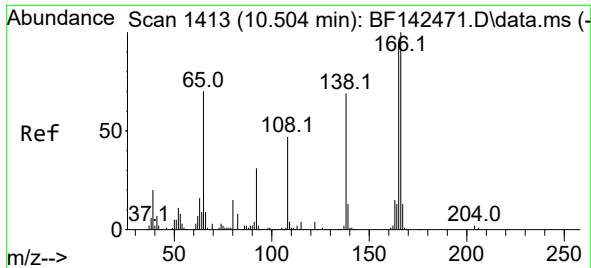
Tgt Ion:165 Resp: 17867
Ion Ratio Lower Upper
165 100
63 76.4 33.6 50.4#
89 33.2 50.2 75.4#
182 18.8 2.2 3.4#



#58
Fluorene
Concen: 6.715 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion:166 Resp: 90448
Ion Ratio Lower Upper
166 100
165 108.3 75.8 113.8
167 35.5 10.6 16.0#

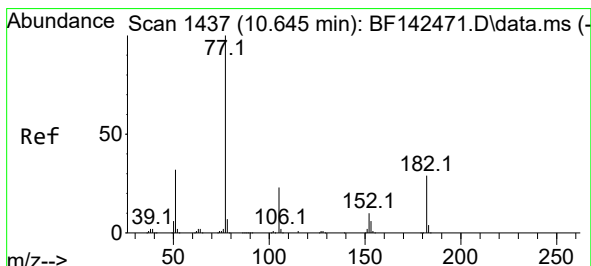
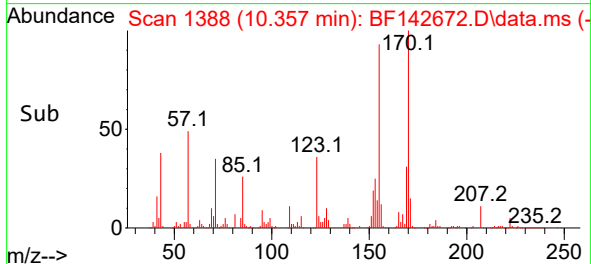
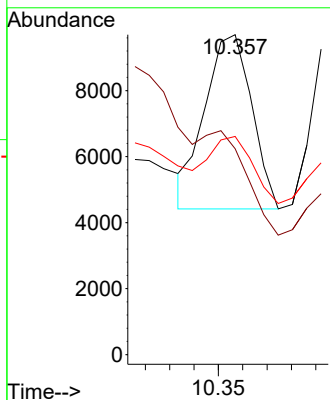
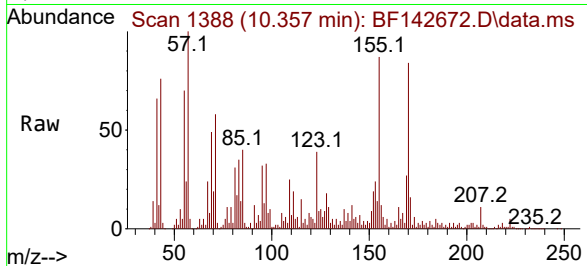




#62
4-Nitroaniline
Concen: 2.443 ng
RT: 10.357 min Scan# 11
Delta R.T. -0.159 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

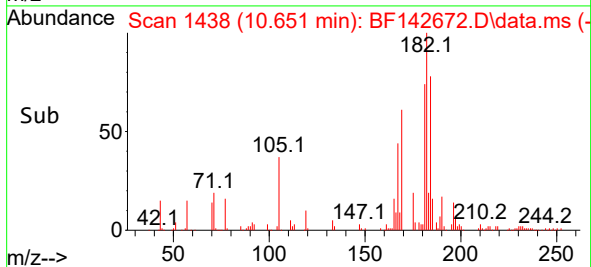
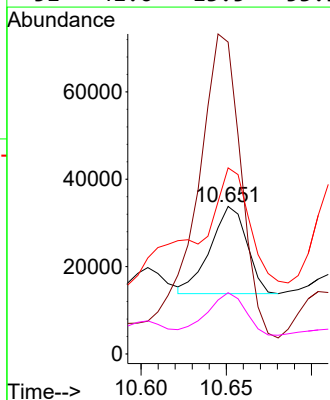
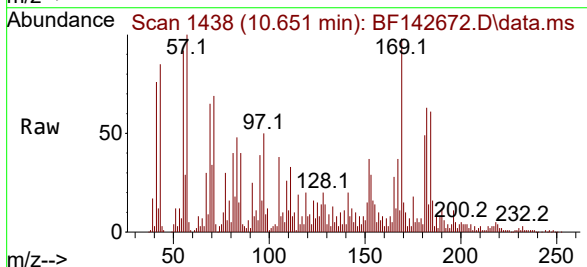
Instrument :
BNA_F
ClientSampleId :
GSB3

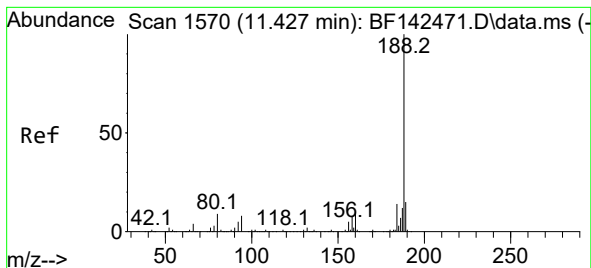
Tgt Ion:138 Resp: 7065
Ion Ratio Lower Upper
138 100
92 64.3 26.0 66.0
108 68.2 48.4 88.4



#63
Azobenzene
Concen: 2.512 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion: 77 Resp: 29802
Ion Ratio Lower Upper
77 100
182 211.5 9.0 49.0#
105 126.2 2.4 42.4#
51 41.6 13.5 53.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.433 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142672.D

Acq: 07 Jun 2025 05:36

Instrument :

BNA_F

ClientSampleId :

GSB3

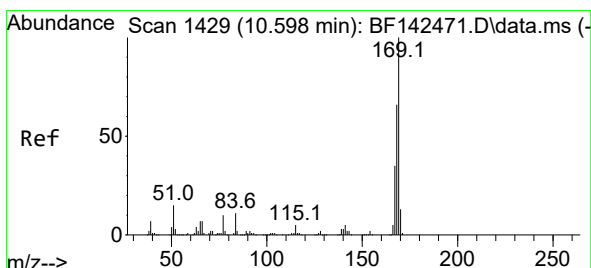
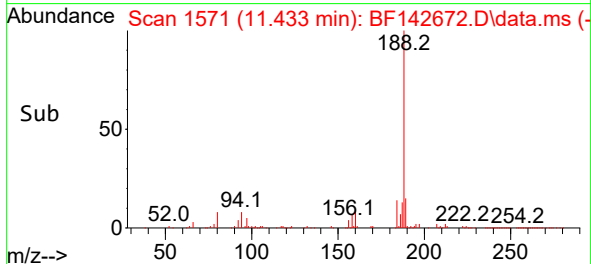
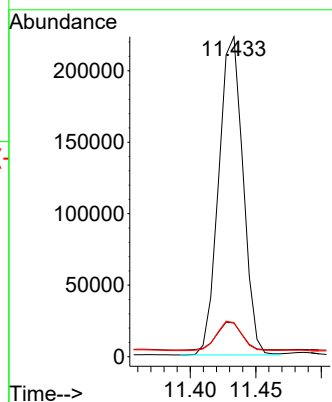
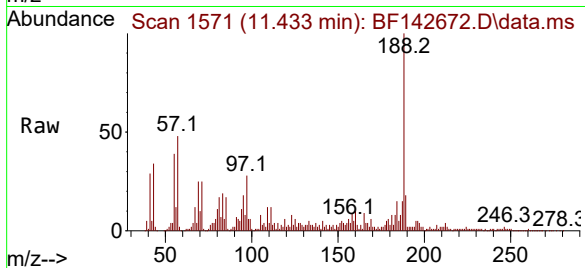
Tgt Ion:188 Resp: 287347

Ion Ratio Lower Upper

188 100

94 10.5 6.6 10.0#

80 10.7 7.4 11.0



#66

n-Nitrosodiphenylamine

Concen: 33.308 ng

RT: 10.604 min Scan# 1430

Delta R.T. 0.000 min

Lab File: BF142672.D

Acq: 07 Jun 2025 05:36

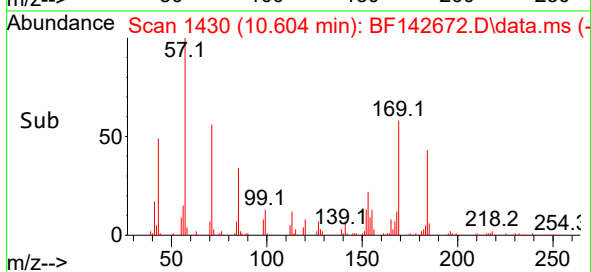
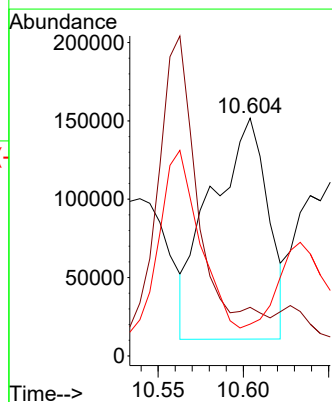
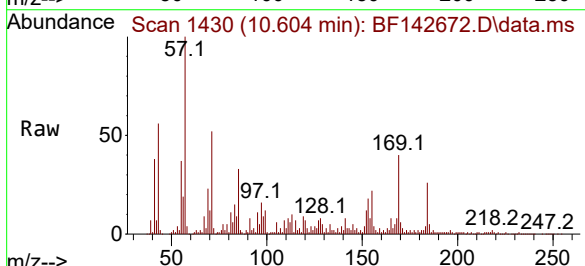
Tgt Ion:169 Resp: 327442

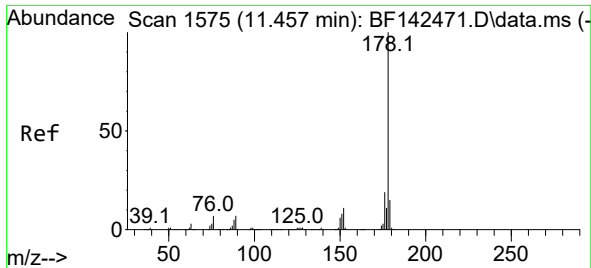
Ion Ratio Lower Upper

169 100

168 20.5 52.7 79.1#

167 13.4 28.3 42.5#

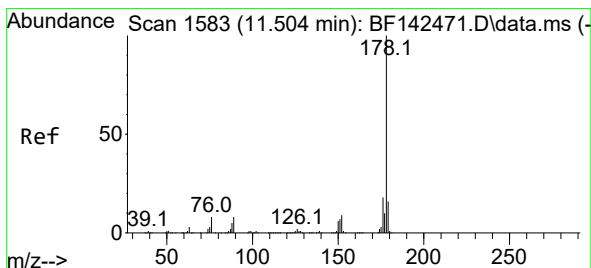
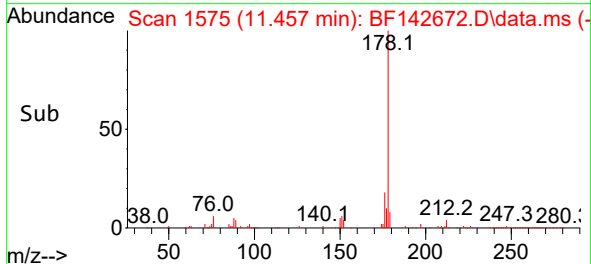
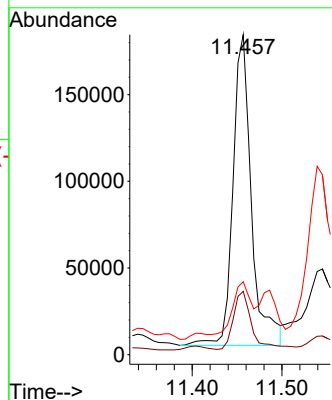
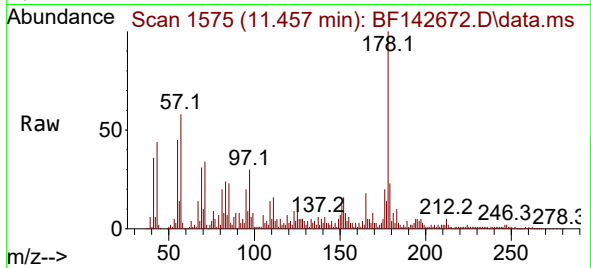




#71
Phenanthrene
Concen: 16.645 ng
RT: 11.457 min Scan# 11590
Delta R.T. 0.000 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

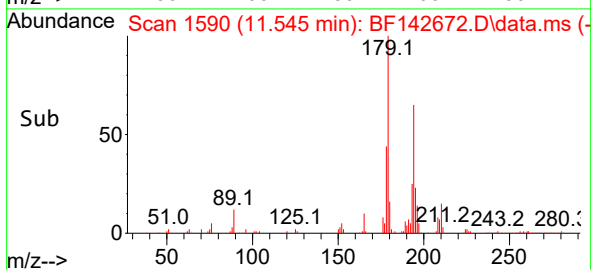
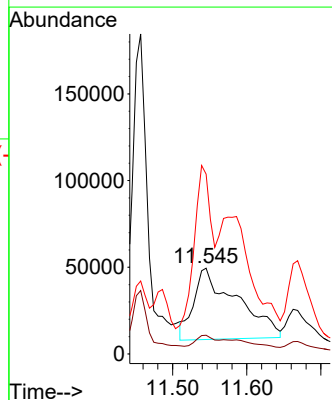
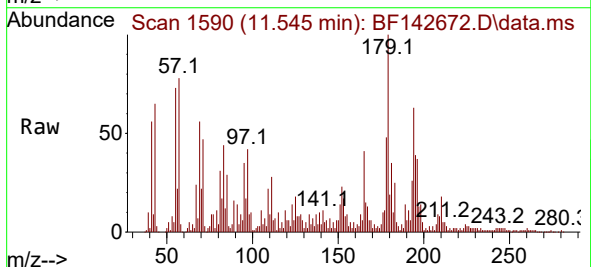
Instrument :
BNA_F
ClientSampleId :
GSB3

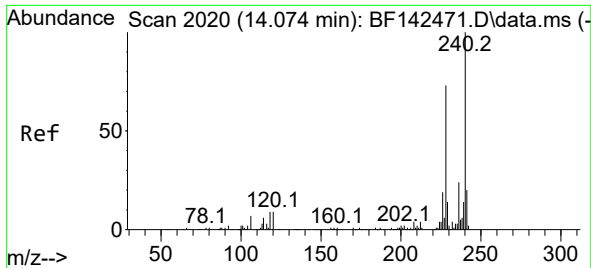
Tgt Ion:178 Resp: 255606
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 22.8 12.3 18.5#



#72
Anthracene
Concen: 10.600 ng
RT: 11.545 min Scan# 1590
Delta R.T. 0.035 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion:178 Resp: 166129
Ion Ratio Lower Upper
178 100
176 21.9 14.6 21.8#
179 209.9 12.4 18.6#

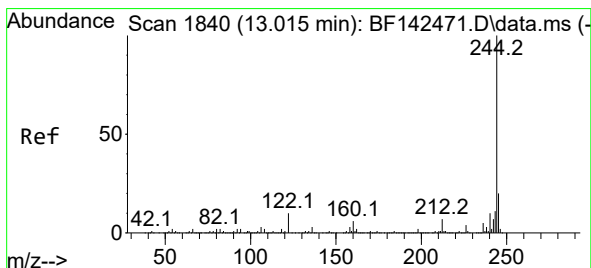
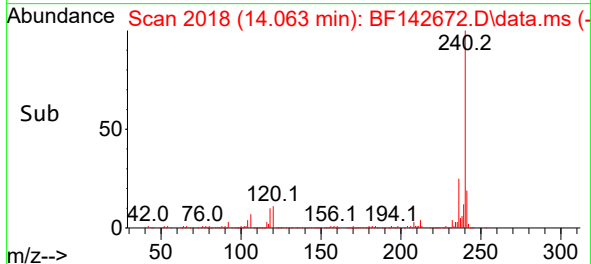
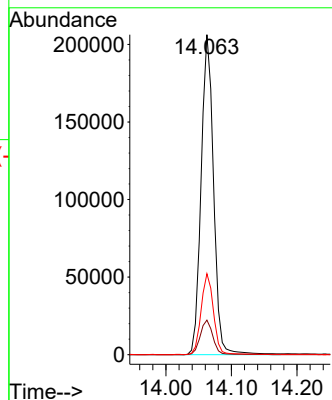
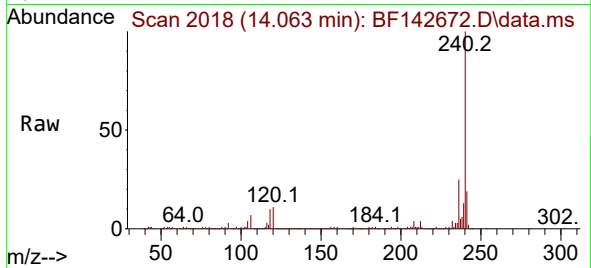




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

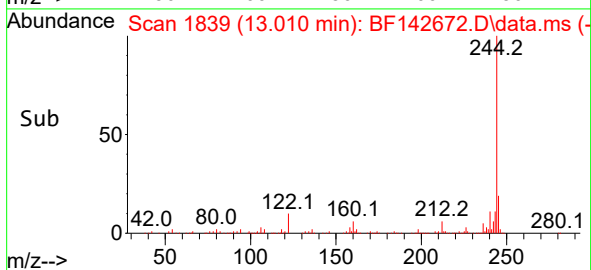
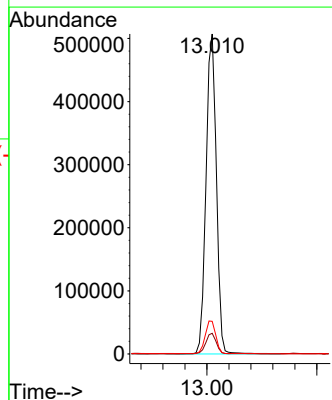
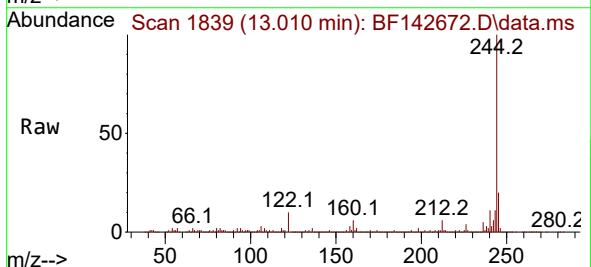
Instrument :
BNA_F
ClientSampleId :
GSB3

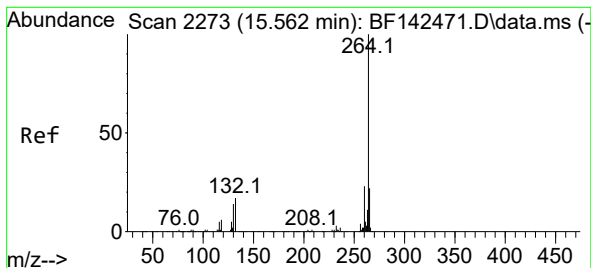
Tgt Ion:240 Resp: 273748
Ion Ratio Lower Upper
240 100
120 10.8 7.5 11.3
236 25.3 19.6 29.4



#79
Terphenyl-d14
Concen: 32.978 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Tgt Ion:244 Resp: 660614
Ion Ratio Lower Upper
244 100
212 6.4 5.3 7.9
122 10.2 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142672.D
Acq: 07 Jun 2025 05:36

Instrument :
BNA_F
ClientSampleId :
GSB3

Tgt Ion:264 Resp: 297233

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.4	17.7	26.5

