

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142186.D
 Acq On : 31 Mar 2025 17:57
 Operator : RC/JU
 Sample : Q1664-17
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-BBDGA-006-01

Quant Time: Mar 31 18:50:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

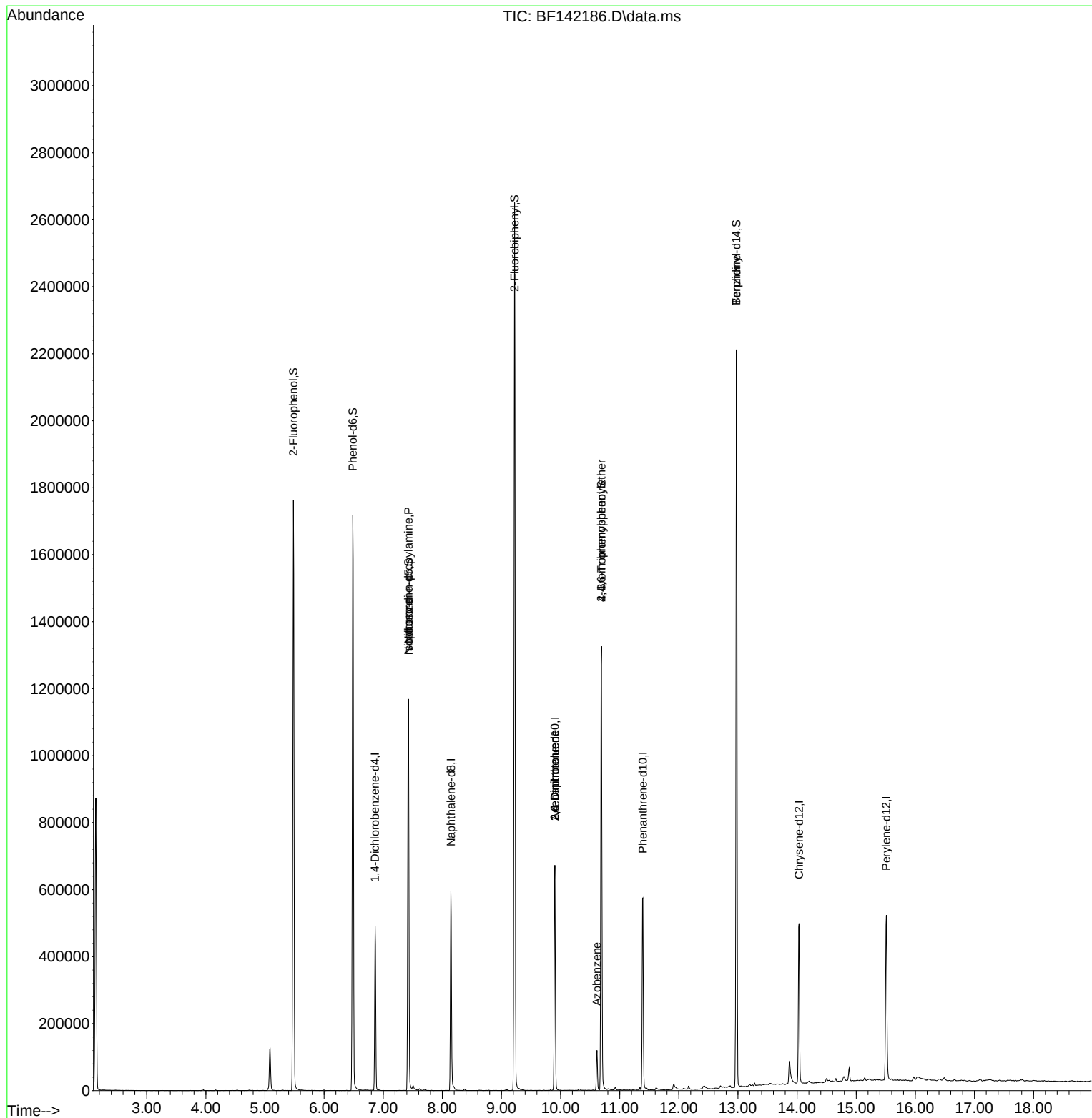
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	105523	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	403592	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	210130	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	327547	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	248316	20.000	ng	0.00
86) Perylene-d12	15.510	264	304388	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	693286	109.651	ng	-0.01
7) Phenol-d6	6.487	99	839657	104.303	ng	-0.02
23) Nitrobenzene-d5	7.428	82	553719	77.209	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	258272	96.884	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1164637	84.290	ng	-0.02
79) Terphenyl-d14	12.974	244	1065144	63.418	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	75948	14.682	ng	# 76
25) Isophorone	7.428	82	548206	43.244	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	27007	8.815	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	27007	6.749	ng	# 24
63) Azobenzene	10.616	77	30806	2.258	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	15837	3.850	ng	# 1
77) Benzidine	12.974	184	14748	4.257	ng	# 94

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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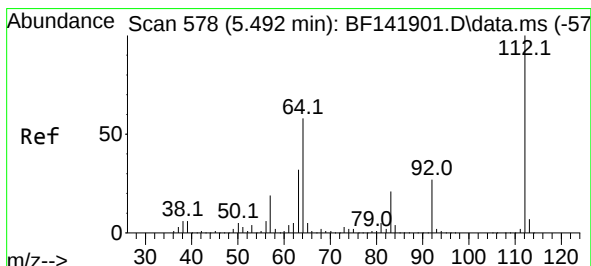
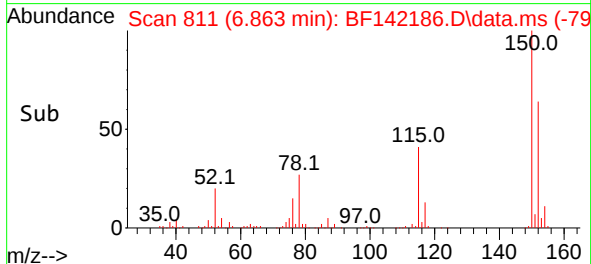
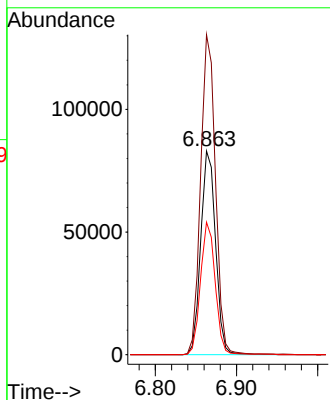
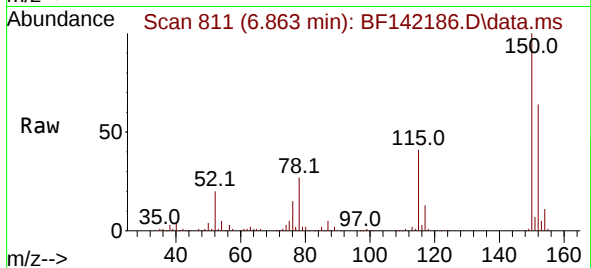




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

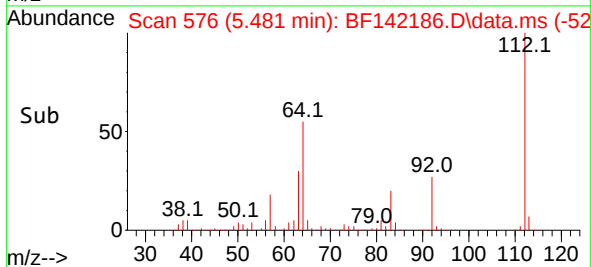
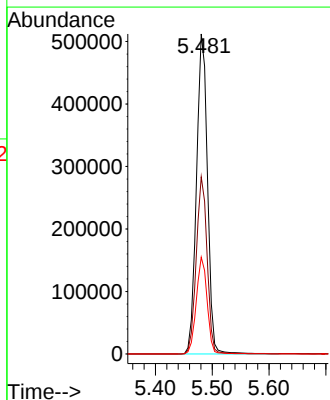
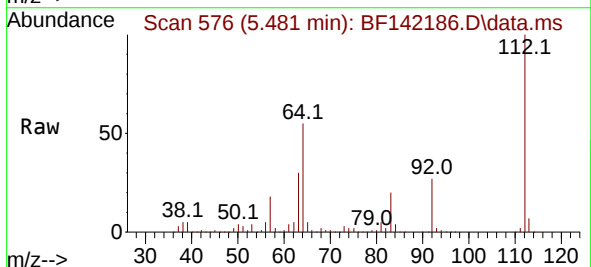
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Tgt Ion:152 Resp: 105523
Ion Ratio Lower Upper
152 100
150 157.1 127.4 191.2
115 65.1 51.9 77.9



#5
2-Fluorophenol
Concen: 109.651 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:112 Resp: 693286
Ion Ratio Lower Upper
112 100
64 55.3 46.5 69.7
63 30.3 25.4 38.2

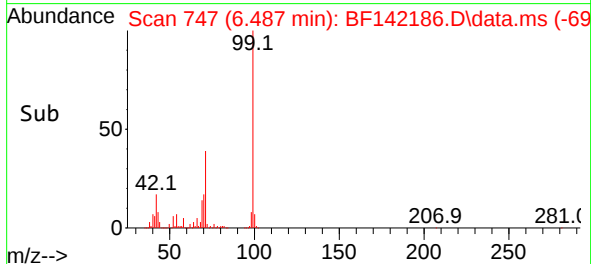
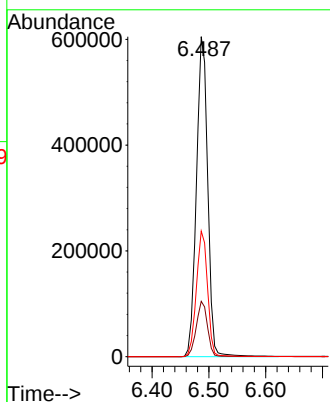
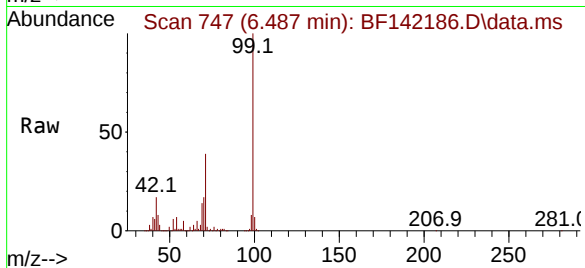




#7
Phenol-d6
Concen: 104.303 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

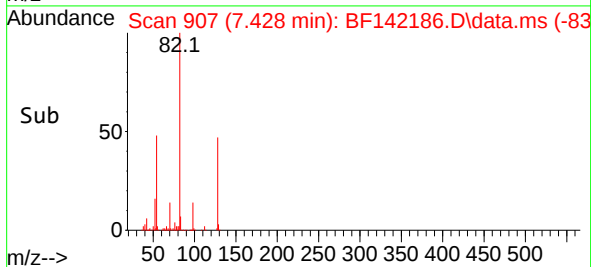
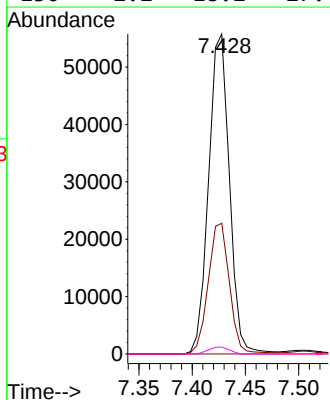
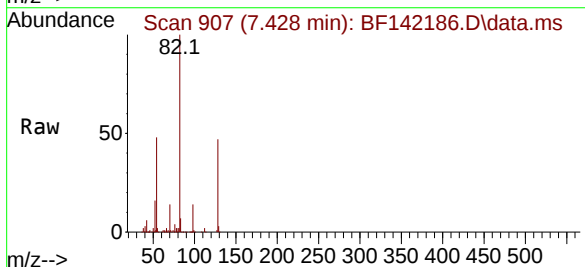
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

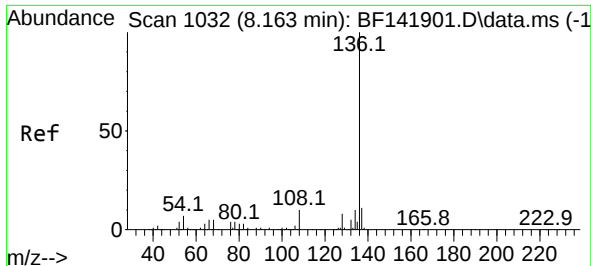
Tgt Ion: 99 Resp: 839657
Ion Ratio Lower Upper
99 100
42 17.3 14.6 21.8
71 39.3 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.682 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion: 70 Resp: 75948
Ion Ratio Lower Upper
70 100
42 40.9 41.4 62.0#
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#



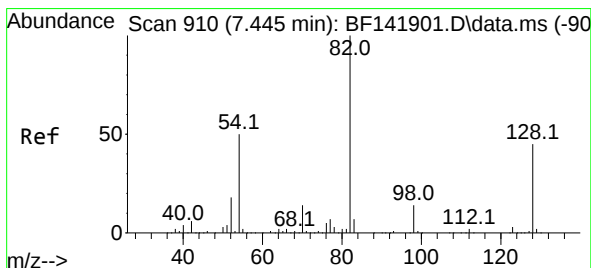
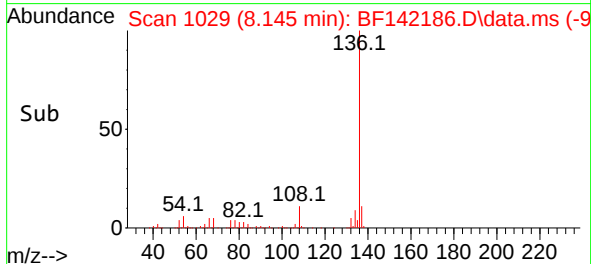
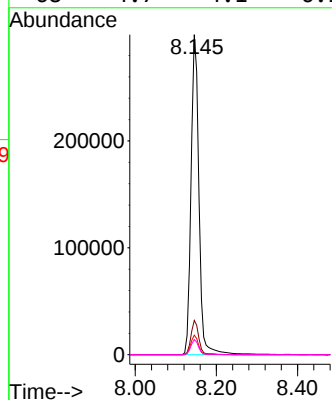
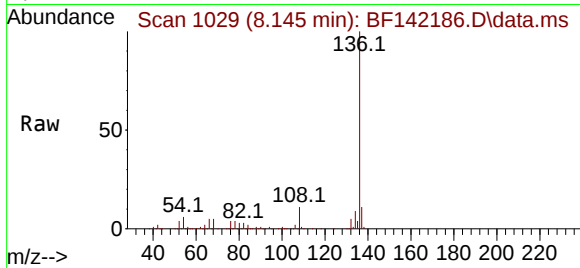


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Tgt Ion:136 Resp: 403592

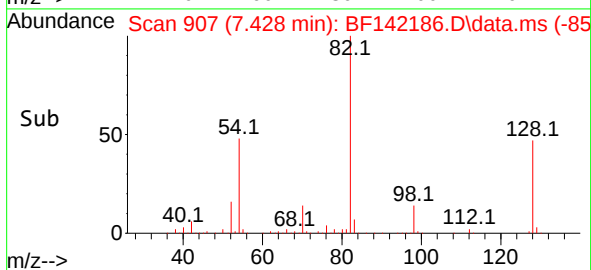
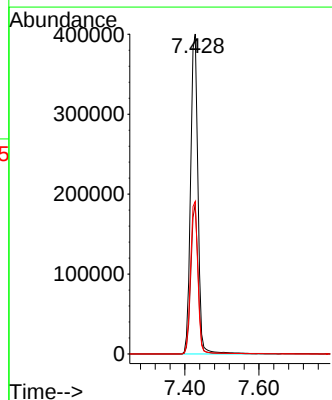
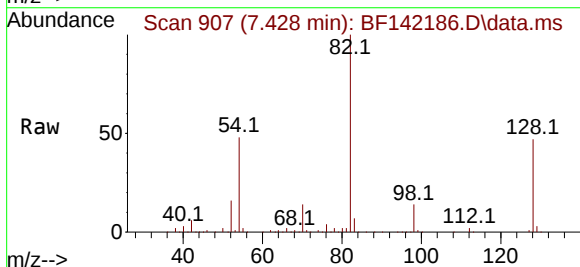
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.1	5.8	8.8
68	4.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 77.209 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion: 82 Resp: 553719

Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.0	54.0
54	47.6	39.6	59.4

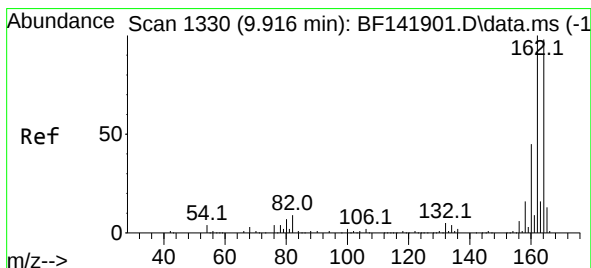
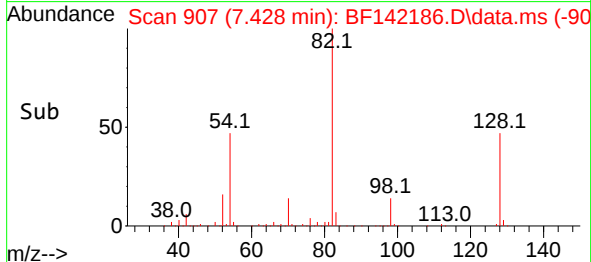
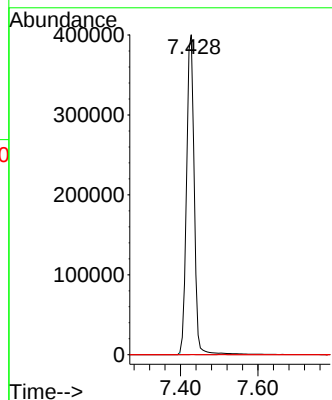
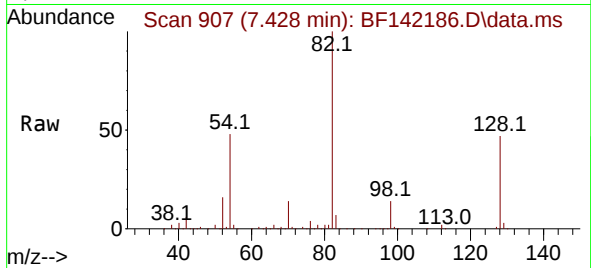




#25
Isophorone
Concen: 43.244 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

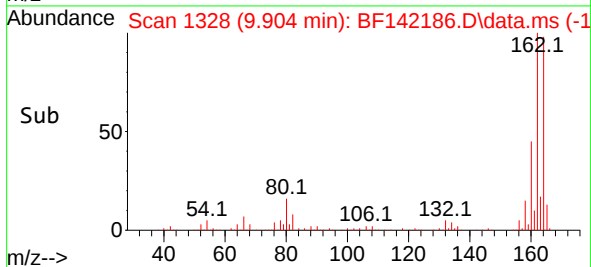
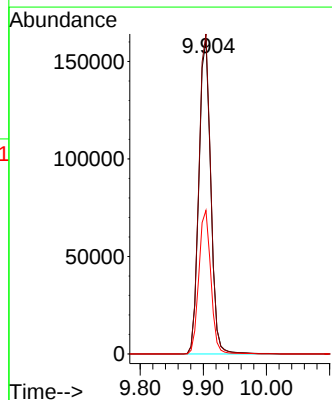
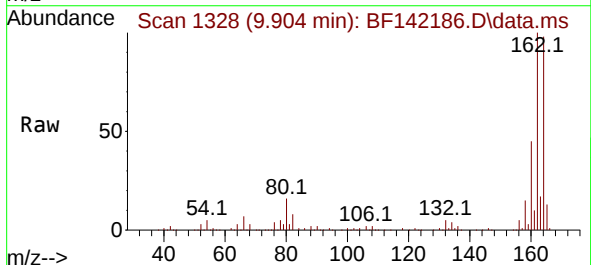
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Tgt Ion: 82 Resp: 548206
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:164 Resp: 210130
Ion Ratio Lower Upper
164 100
162 101.9 81.8 122.6
160 45.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 96.884 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142186.D

Acq: 31 Mar 2025 17:57

Instrument :

BNA_F

ClientSampleId :

P001-BBDGA-006-01

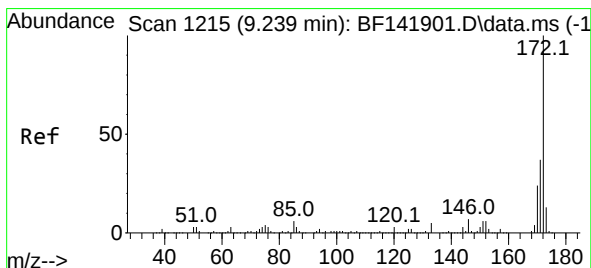
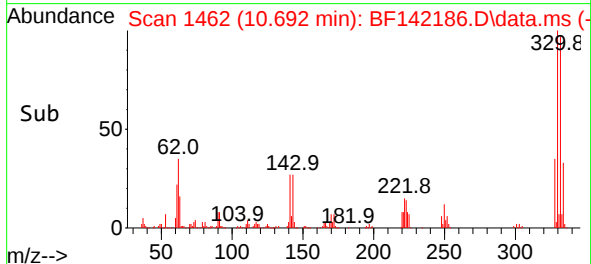
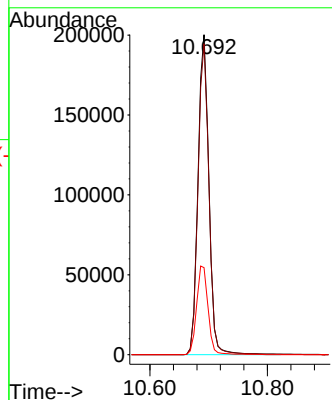
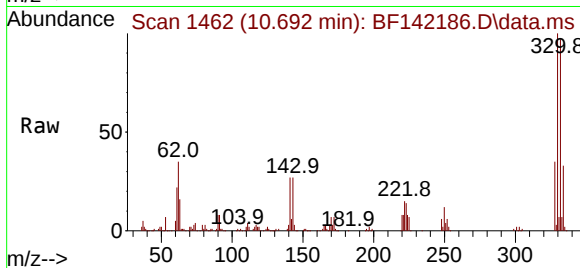
Tgt Ion:330 Resp: 258272

Ion Ratio Lower Upper

330 100

332 97.2 77.6 116.4

141 29.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 84.290 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.018 min

Lab File: BF142186.D

Acq: 31 Mar 2025 17:57

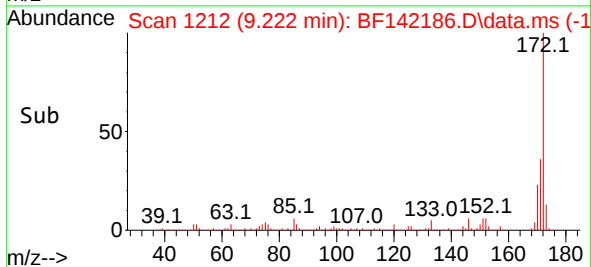
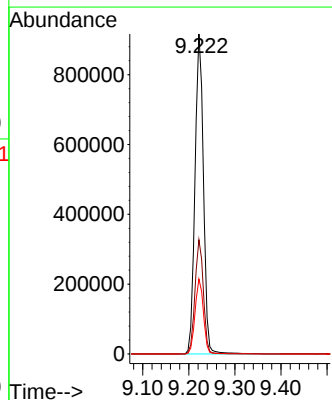
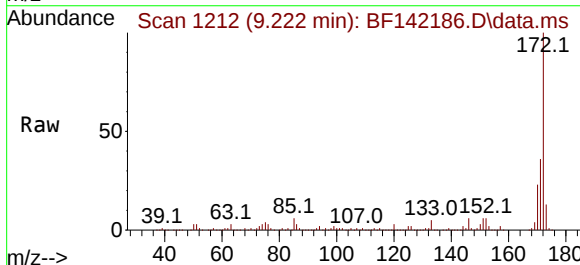
Tgt Ion:172 Resp: 1164637

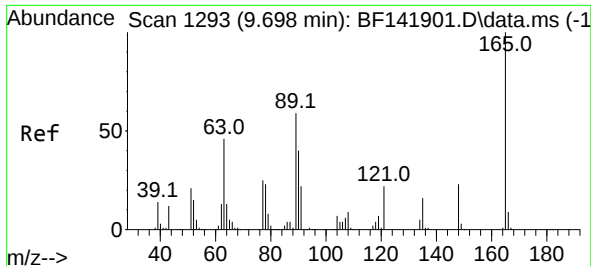
Ion Ratio Lower Upper

172 100

171 35.7 29.3 43.9

170 23.4 19.4 29.0

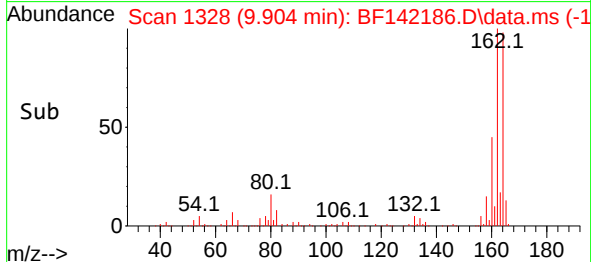
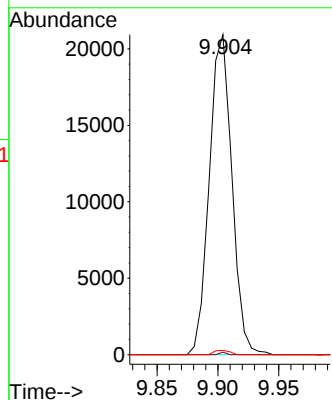
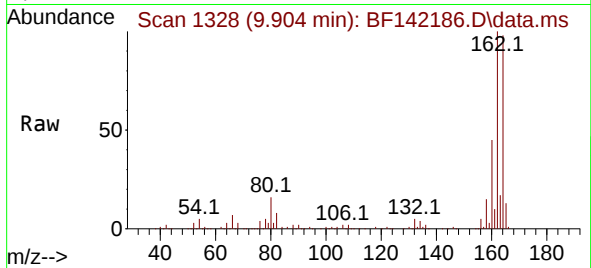




#51
2,6-Dinitrotoluene
Concen: 8.815 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

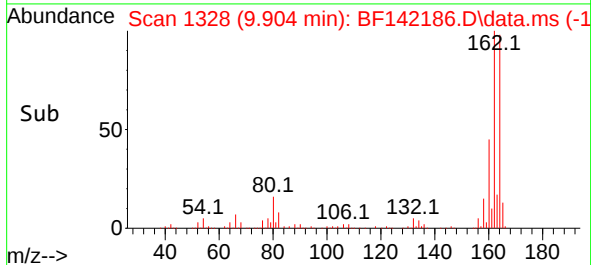
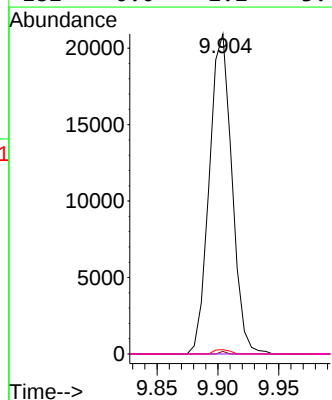
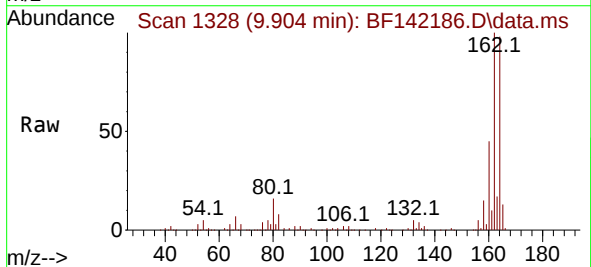
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

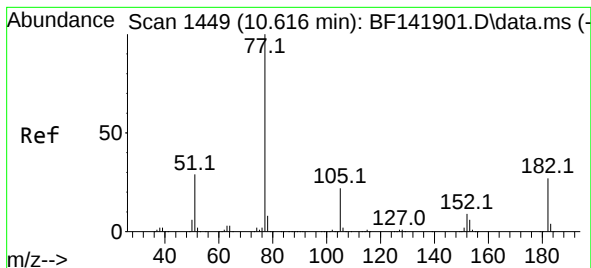
Tgt Ion:165 Resp: 27007
Ion Ratio Lower Upper
165 100
63 0.8 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.749 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:165 Resp: 27007
Ion Ratio Lower Upper
165 100
63 0.8 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.258 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF142186.D

Acq: 31 Mar 2025 17:57

Instrument :

BNA_F

ClientSampleId :

P001-BBDGA-006-01

Tgt Ion: 77 Resp: 30806

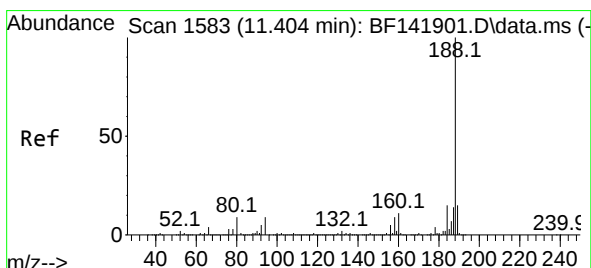
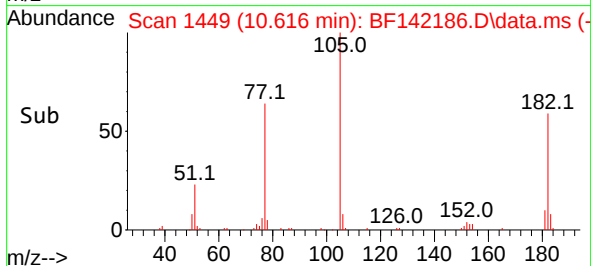
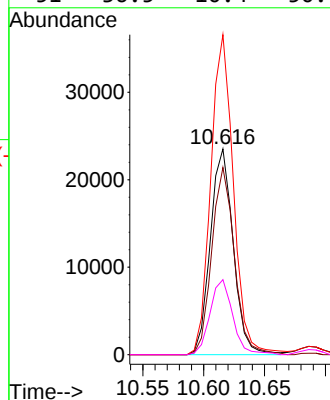
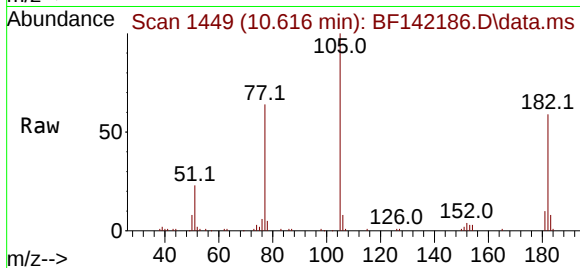
Ion Ratio Lower Upper

77 100

182 91.0 6.6 46.6#

105 155.6 1.3 41.3#

51 36.5 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF142186.D

Acq: 31 Mar 2025 17:57

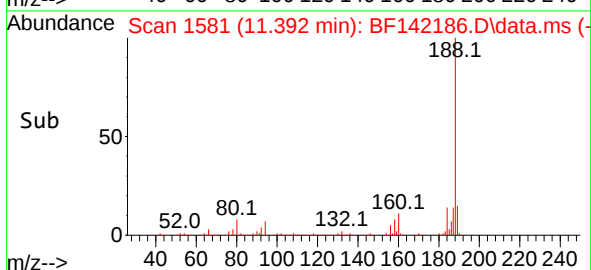
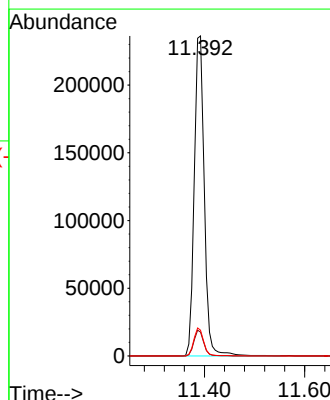
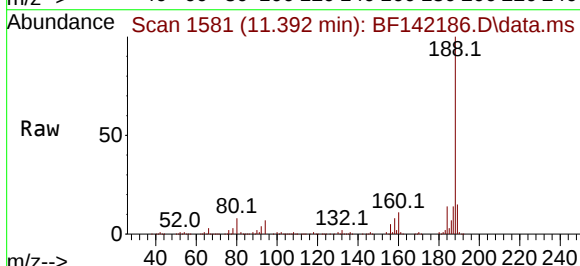
Tgt Ion: 188 Resp: 327547

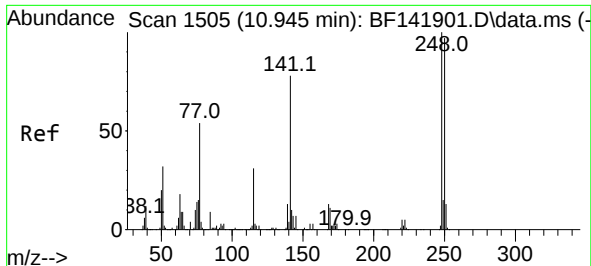
Ion Ratio Lower Upper

188 100

94 7.5 6.8 10.2

80 8.1 7.6 11.4





#67

4-Bromophenyl-phenylether

Concen: 3.850 ng

RT: 10.692 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF142186.D

Acq: 31 Mar 2025 17:57

Instrument :

BNA_F

ClientSampleId :

P001-BBDGA-006-01

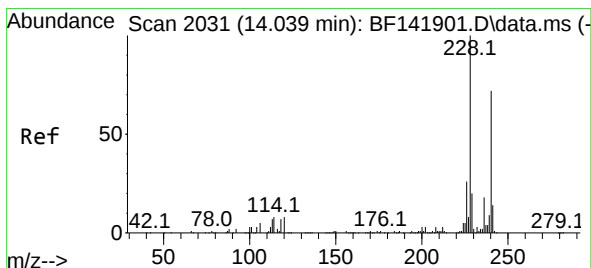
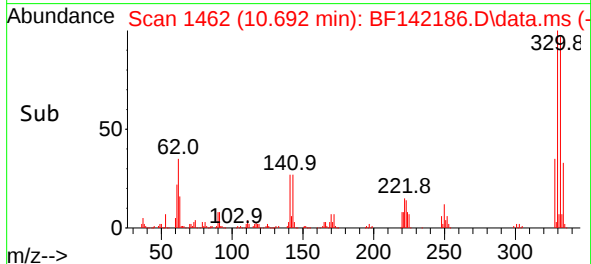
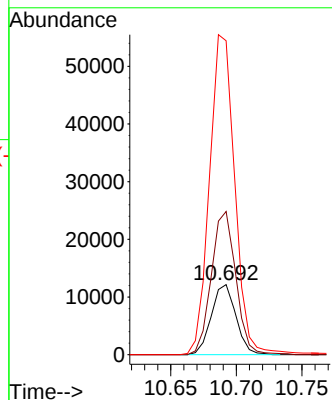
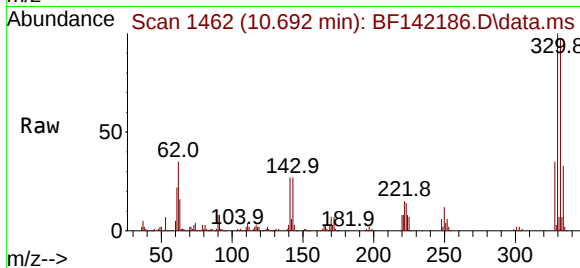
Tgt Ion:248 Resp: 15837

Ion Ratio Lower Upper

248 100

250 204.4 77.8 116.8#

141 448.3 62.6 93.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF142186.D

Acq: 31 Mar 2025 17:57

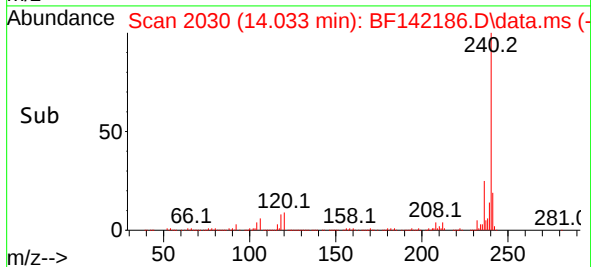
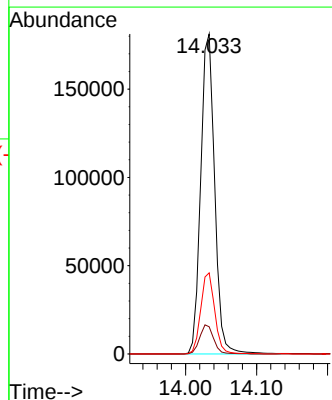
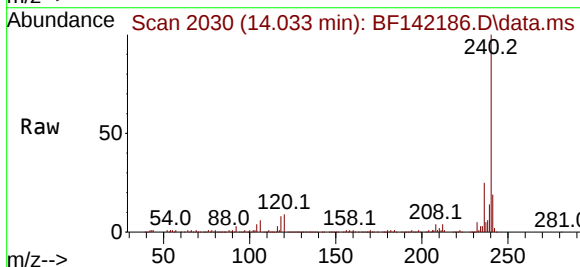
Tgt Ion:240 Resp: 248316

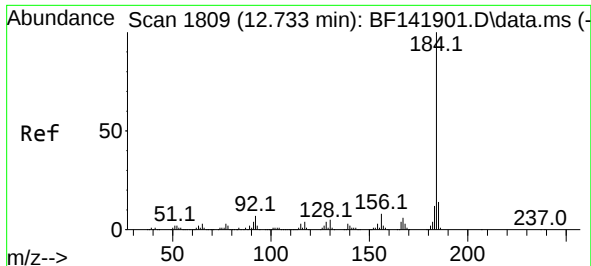
Ion Ratio Lower Upper

240 100

120 8.5 8.4 12.6

236 25.3 20.5 30.7

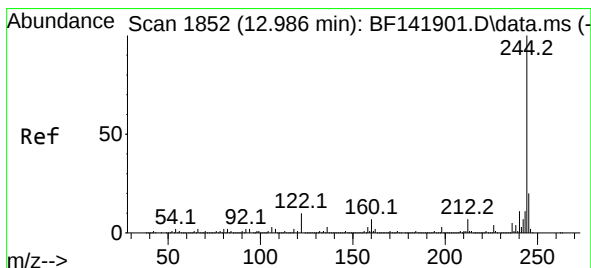
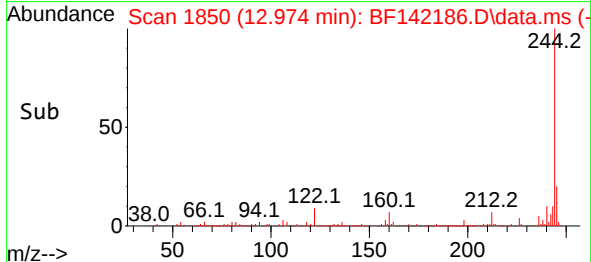
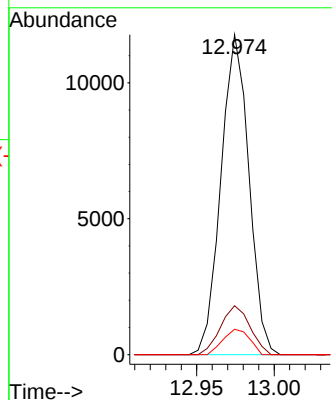
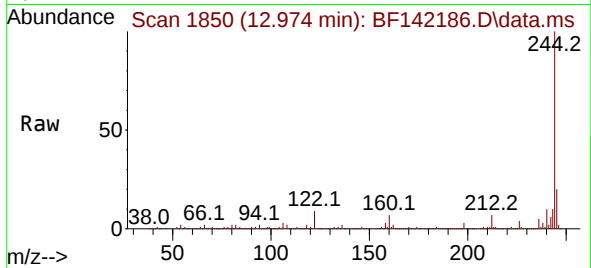




#77
Benzidine
Concen: 4.257 ng
RT: 12.974 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

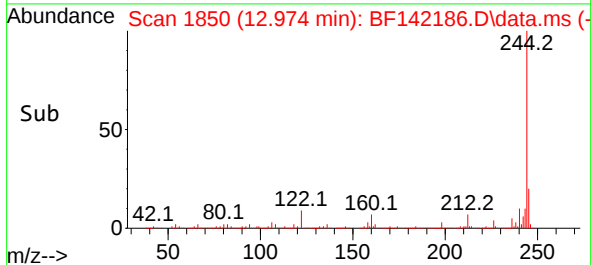
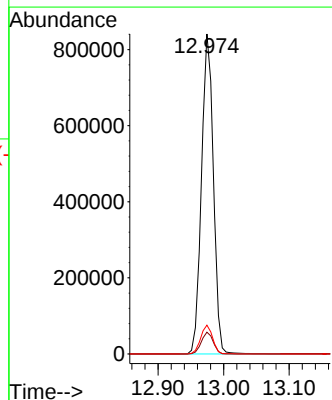
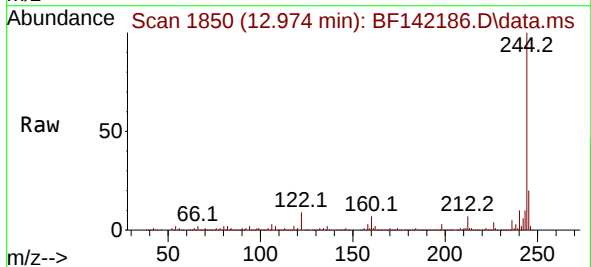
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

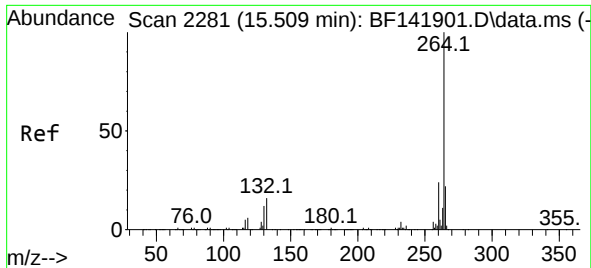
Tgt Ion:184 Resp: 14748
Ion Ratio Lower Upper
184 100
185 15.3 11.5 17.3
183 7.9 9.7 14.5#



#79
Terphenyl-d14
Concen: 63.418 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

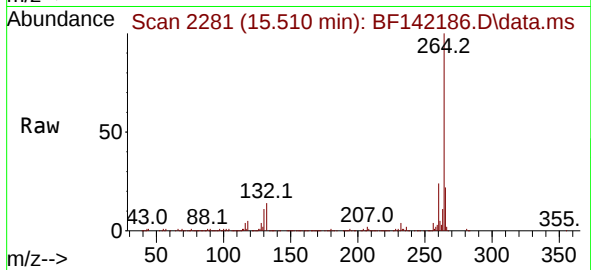
Tgt Ion:244 Resp: 1065144
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 9.0 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142186.D
 Acq: 31 Mar 2025 17:57

Instrument :
 BNA_F
 ClientSampleId :
 P001-BBDGA-006-01



Tgt Ion:264 Resp: 304388
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.1 28.7
 265 21.5 17.5 26.3

