

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142957.D
 Acq On : 01 Jul 2025 19:02
 Operator : RC/JU
 Sample : Q2447-04 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Jul 02 01:03:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

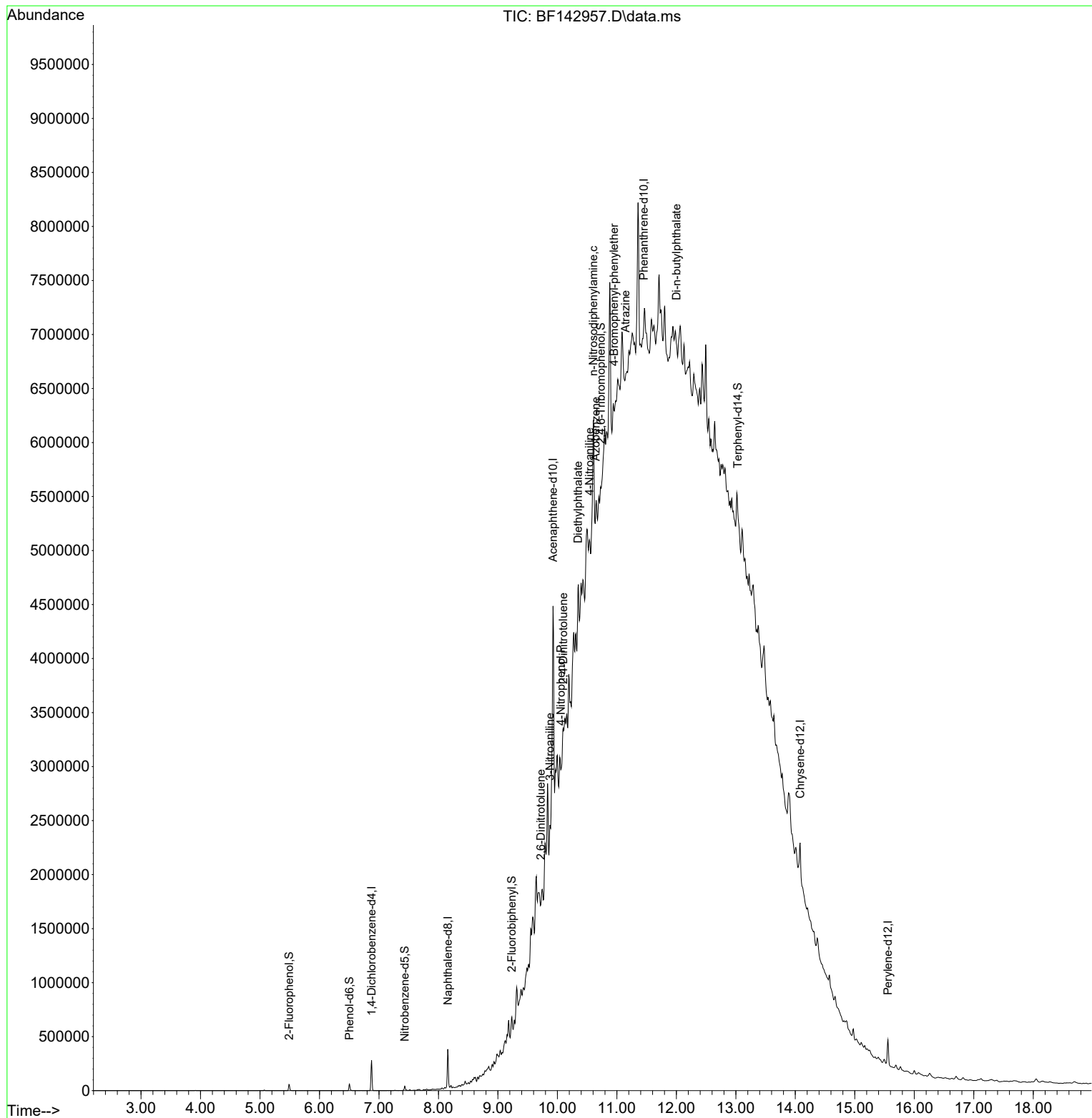
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	61496	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	224744	20.000	ng	-0.01
39) Acenaphthene-d10	9.928	164	99402	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	146916	20.000	ng	# 0.04
76) Chrysene-d12	14.080	240	152704	20.000	ng	# 0.02
86) Perylene-d12	15.557	264	132220	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	26470	7.166	ng	0.00
7) Phenol-d6	6.504	99	31686	7.271	ng	0.00
23) Nitrobenzene-d5	7.434	82	17888	4.366	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	9172	8.967	ng	0.02
45) 2-Fluorobiphenyl	9.234	172	48161	6.365	ng	-0.01
79) Terphenyl-d14	13.033	244	48048	4.347	ng	0.04
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.722	165	3712	2.627	ng	# 38
53) 3-Nitroaniline	9.875	138	4978	3.200	ng	# 43
56) 4-Nitrophenol	10.057	139	5025	4.718	ng	# 1
57) 2,4-Dinitrotoluene	10.098	165	6472	3.448	ng	# 48
60) Diethylphthalate	10.345	149	17580	2.787	ng	# 33
62) 4-Nitroaniline	10.539	138	2952	2.075	ng	# 31
63) Azobenzene	10.645	77	15158	2.688	ng	# 42
66) n-Nitrosodiphenylamine	10.604	169	25706	5.049	ng	# 74
67) 4-Bromophenyl-phenylether	10.951	248	4686	2.803	ng	# 1
69) Atrazine	11.145	200	5318	4.045	ng	# 1
74) Di-n-butylphthalate	12.004	149	47241	6.438	ng	# 32

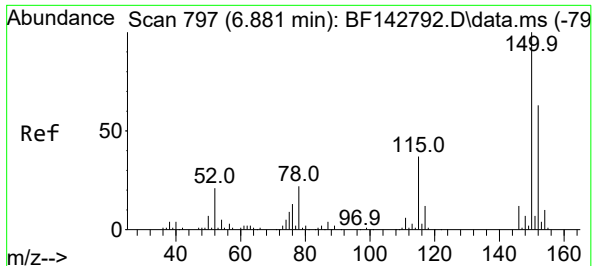
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142957.D
Acq On : 01 Jul 2025 19:02
Operator : RC/JU
Sample : Q2447-04 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Time: Jul 02 01:03:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

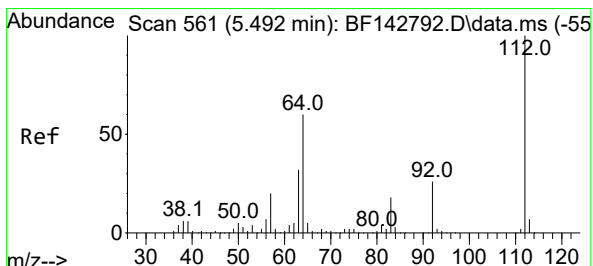
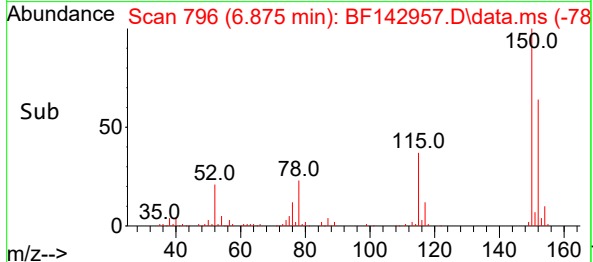
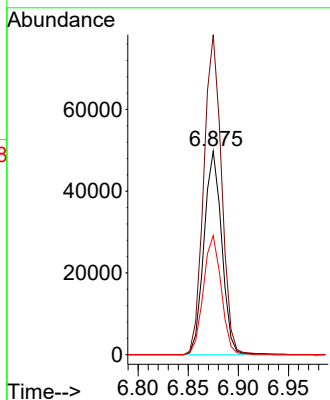
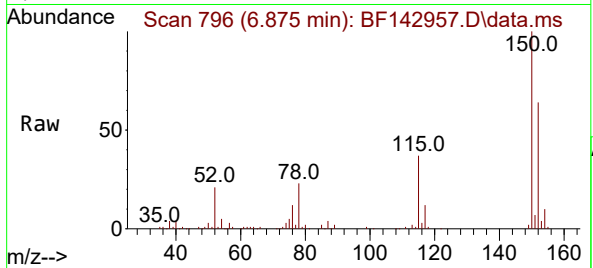




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

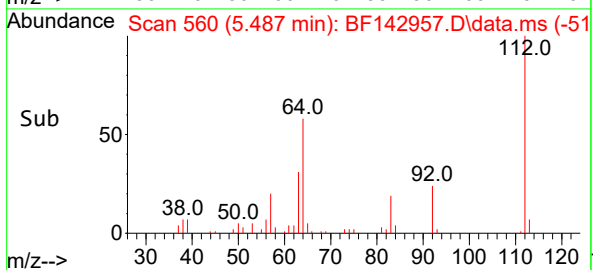
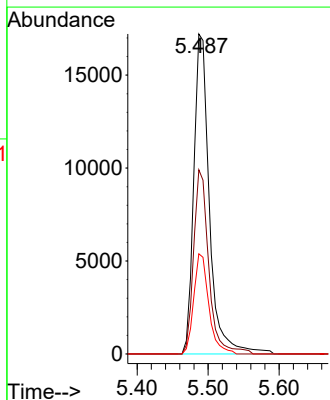
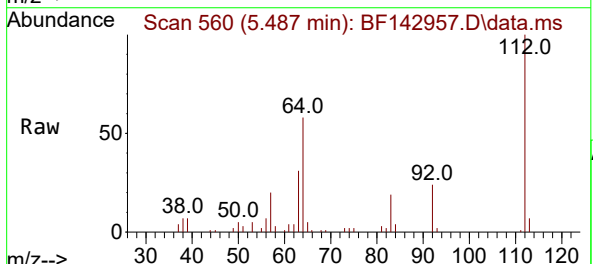
Instrument :
BNA_F
ClientSampleId :
COMP-2

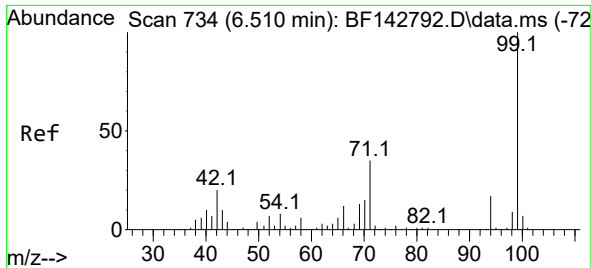
Tgt Ion:152 Resp: 61496
Ion Ratio Lower Upper
152 100
150 157.2 127.2 190.8
115 58.5 46.6 69.8



#5
2-Fluorophenol
Concen: 7.166 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

Tgt Ion:112 Resp: 26470
Ion Ratio Lower Upper
112 100
64 57.6 48.2 72.2
63 31.3 25.7 38.5

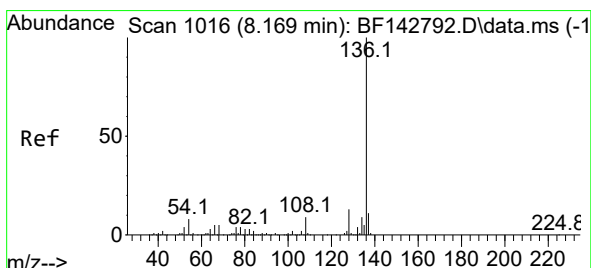
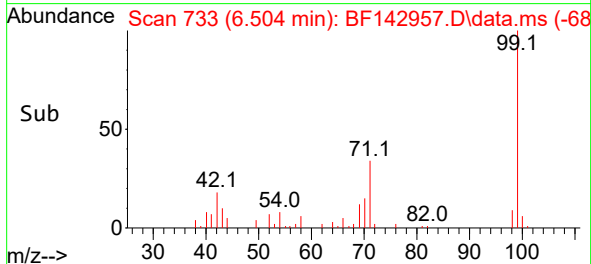
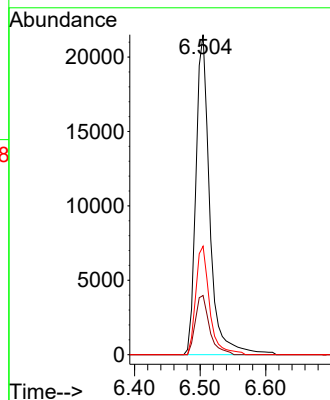
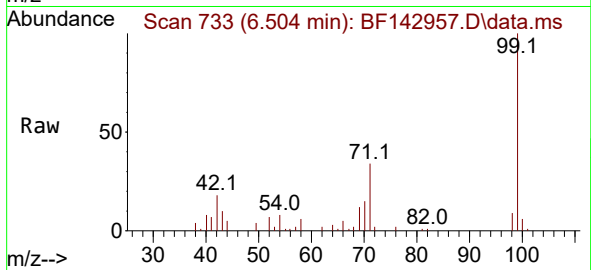




#7
Phenol-d6
Concen: 7.271 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

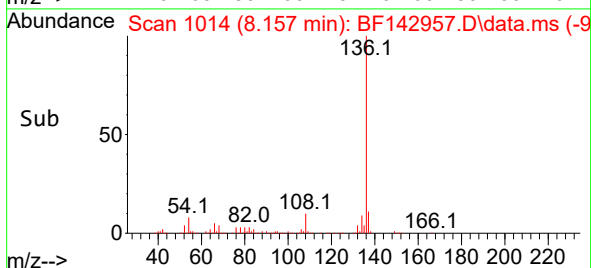
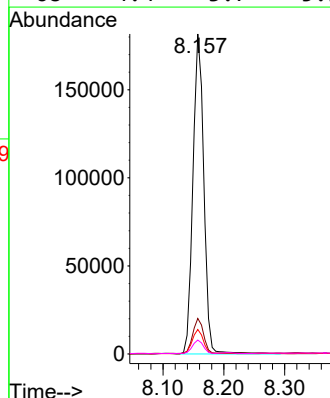
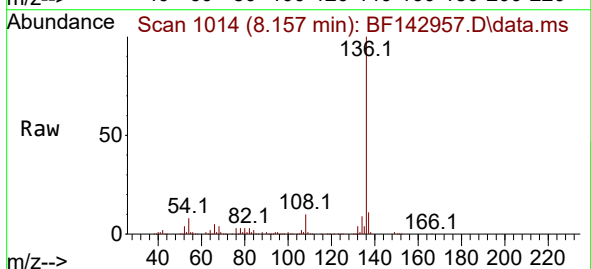
Instrument :
BNA_F
ClientSampleId :
COMP-2

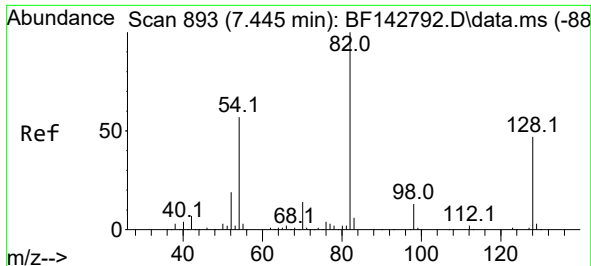
Tgt Ion: 99 Resp: 31686
Ion Ratio Lower Upper
99 100
42 18.5 15.9 23.9
71 33.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

Tgt Ion: 136 Resp: 224744
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 7.6 6.3 9.5
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 4.366 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142957.D

Acq: 01 Jul 2025 19:02

Instrument :

BNA_F

ClientSampleId :

COMP-2

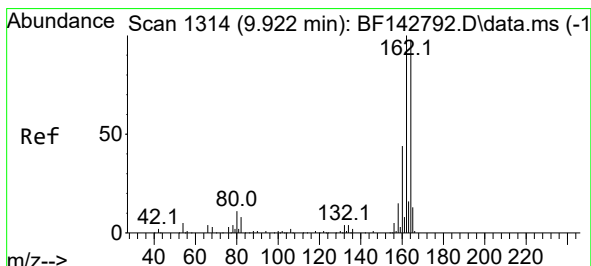
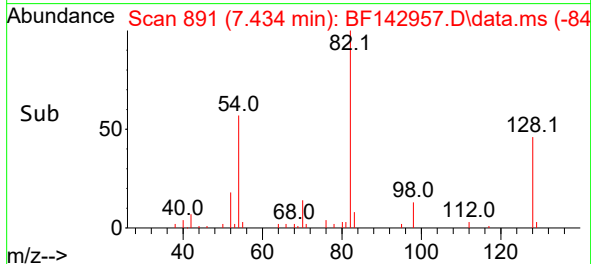
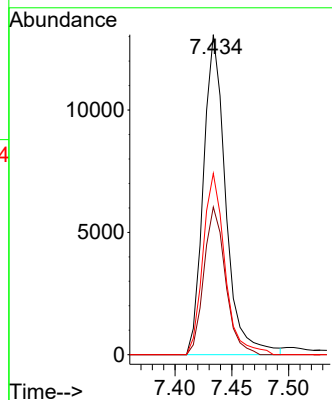
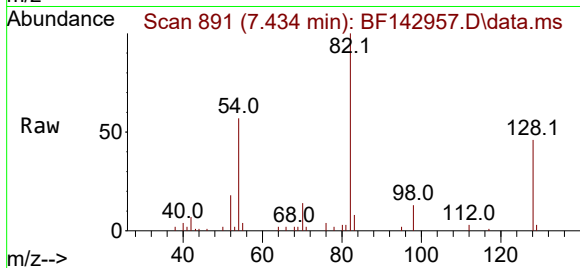
Tgt Ion: 82 Resp: 17888

Ion Ratio Lower Upper

82 100

128 46.1 37.7 56.5

54 56.7 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. 0.006 min

Lab File: BF142957.D

Acq: 01 Jul 2025 19:02

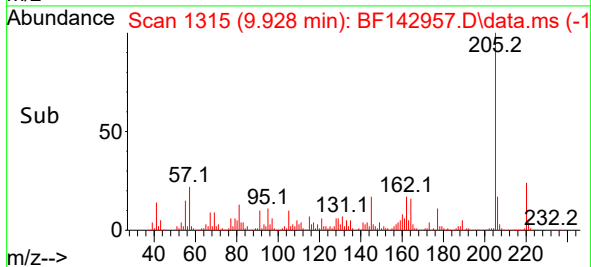
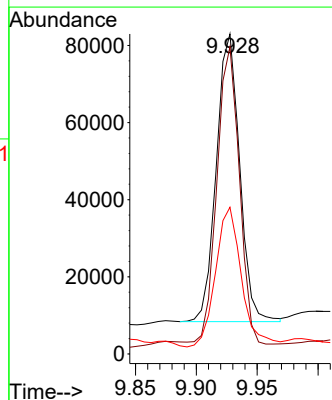
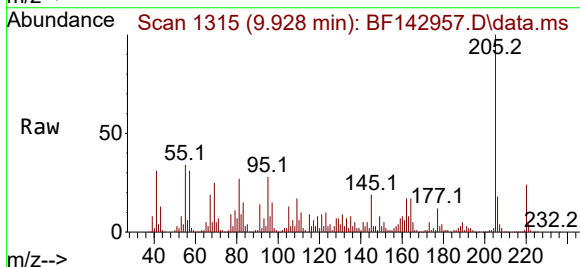
Tgt Ion:164 Resp: 99402

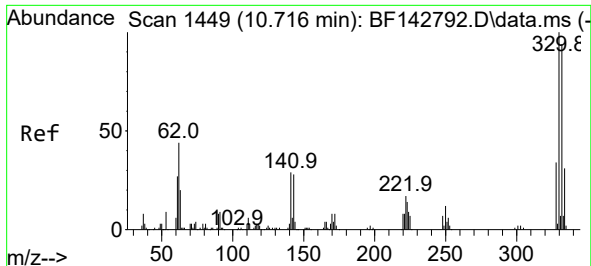
Ion Ratio Lower Upper

164 100

162 96.0 81.8 122.8

160 45.9 36.0 54.0

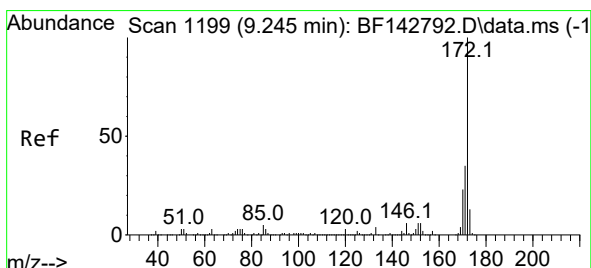
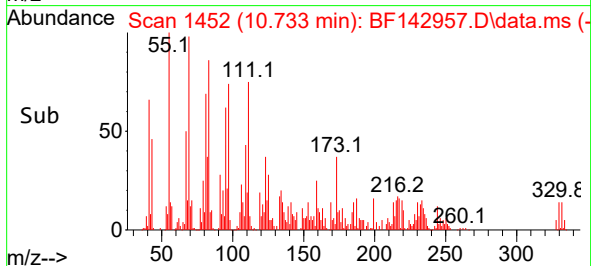
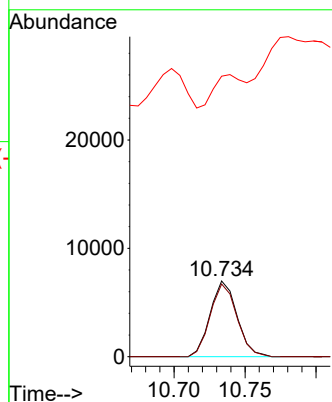
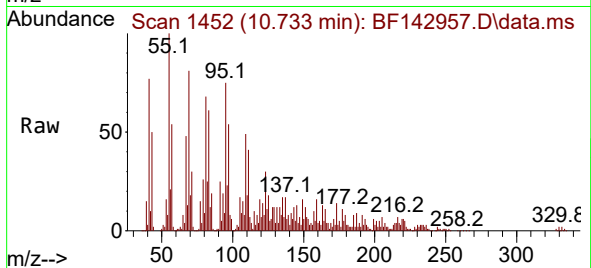




#42
2,4,6-Tribromophenol
Concen: 8.967 ng
RT: 10.733 min Scan# 1449
Delta R.T. 0.018 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

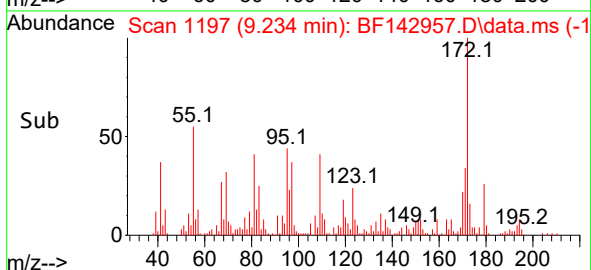
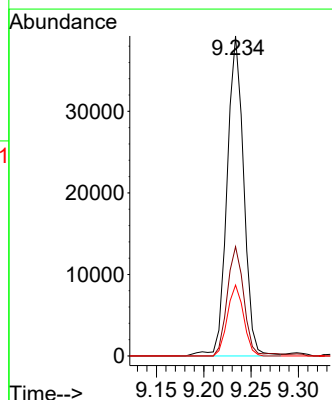
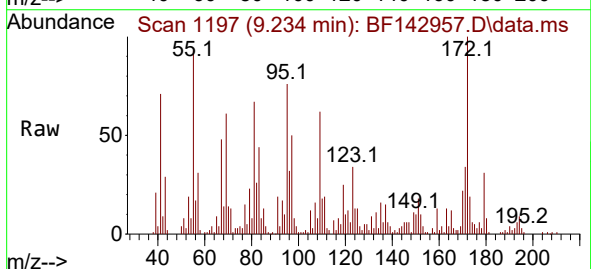
Instrument :
BNA_F
ClientSampleId :
COMP-2

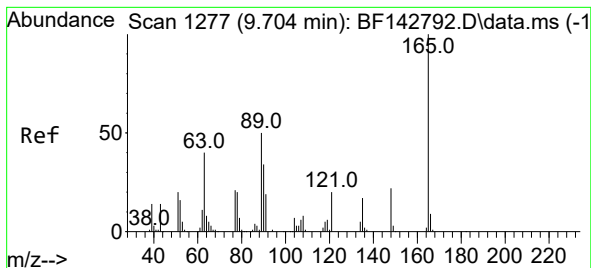
Tgt Ion: 330 Resp: 9172
Ion Ratio Lower Upper
330 100
332 95.6 75.0 112.6
141 50.4 25.3 37.9#



#45
2-Fluorobiphenyl
Concen: 6.365 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

Tgt Ion: 172 Resp: 48161
Ion Ratio Lower Upper
172 100
171 34.1 28.2 42.4
170 22.1 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 2.627 ng

RT: 9.722 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF142957.D

Acq: 01 Jul 2025 19:02

Instrument :

BNA_F

ClientSampleId :

COMP-2

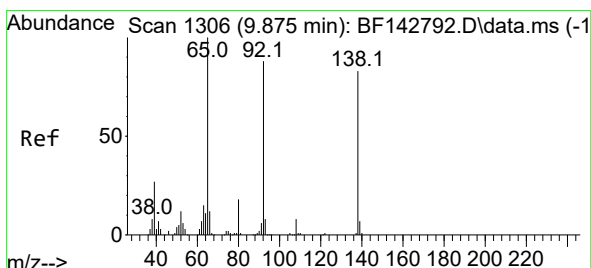
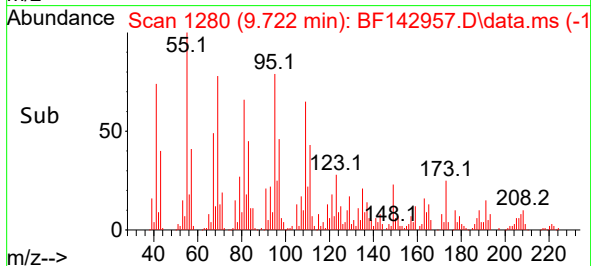
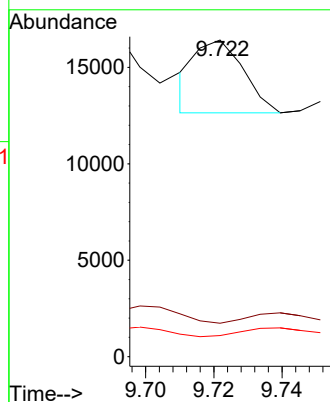
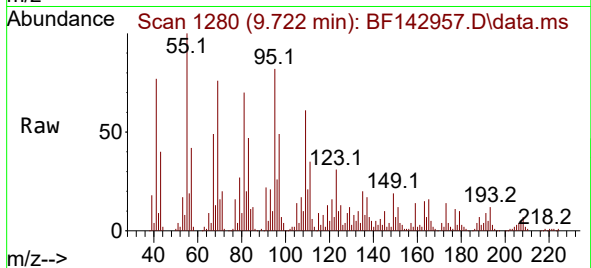
Tgt Ion:165 Resp: 3712

Ion Ratio Lower Upper

165 100

63 10.6 44.2 66.4#

89 6.7 39.8 59.8#



#53

3-Nitroaniline

Concen: 3.200 ng

RT: 9.875 min Scan# 1306

Delta R.T. 0.000 min

Lab File: BF142957.D

Acq: 01 Jul 2025 19:02

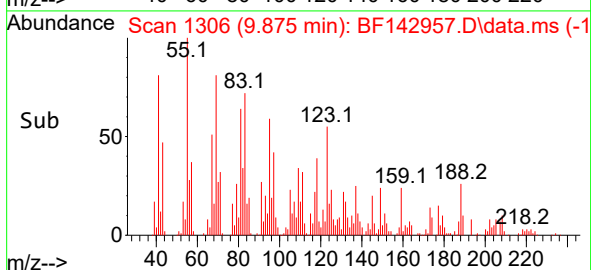
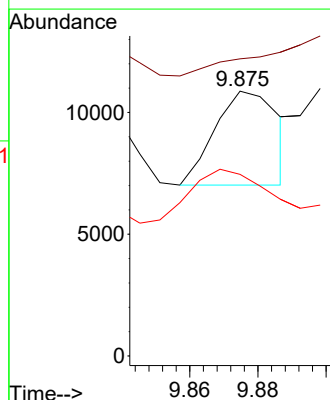
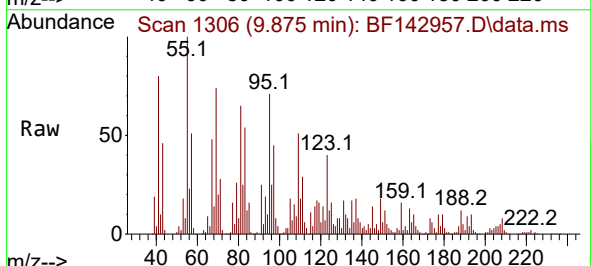
Tgt Ion:138 Resp: 4978

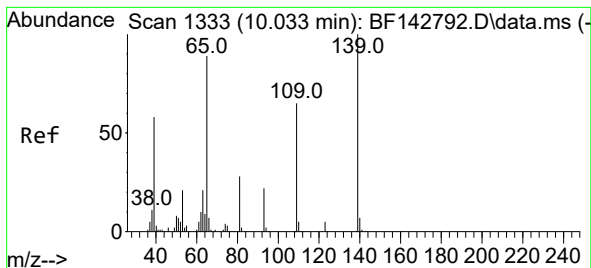
Ion Ratio Lower Upper

138 100

108 112.3 8.1 12.1#

92 68.6 85.1 127.7#

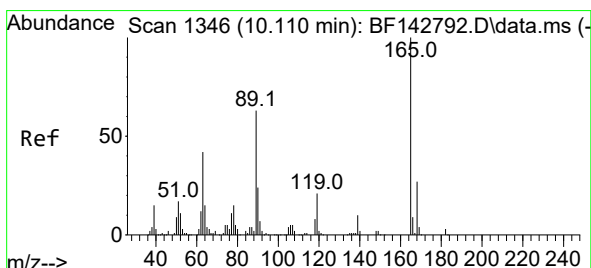
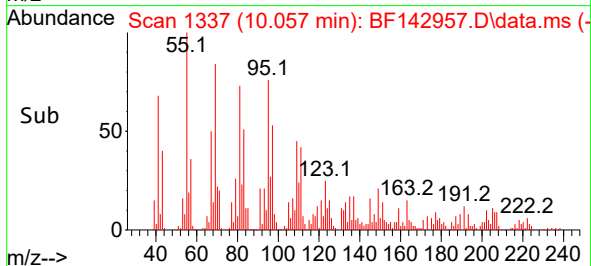
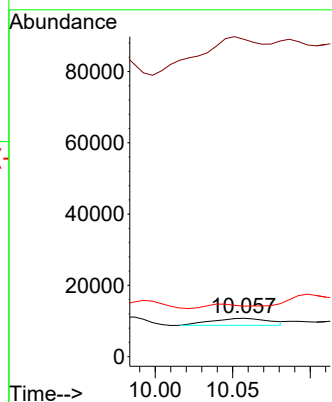
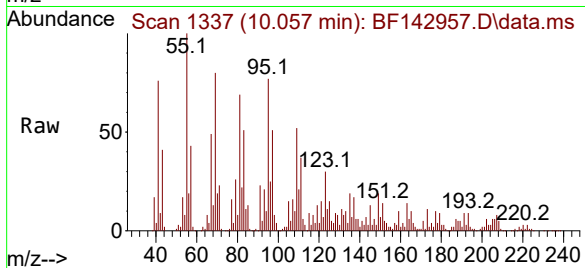




#56
4-Nitrophenol
Concen: 4.718 ng
RT: 10.057 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

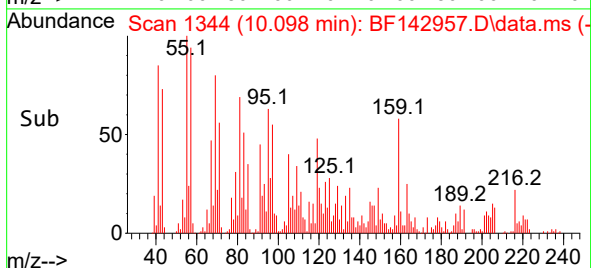
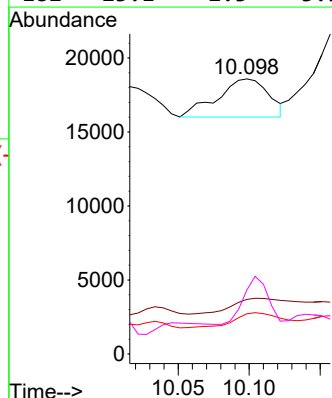
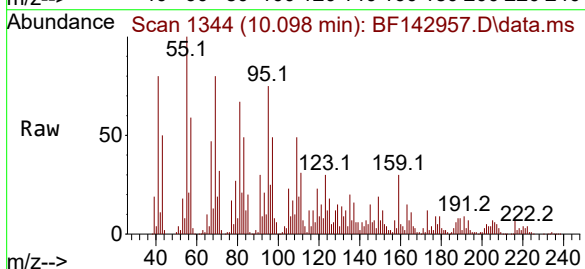
Instrument :
BNA_F
ClientSampleId :
COMP-2

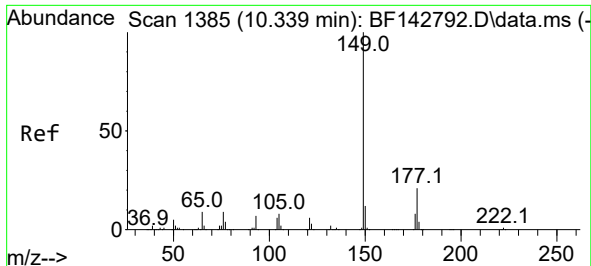
Tgt Ion:139 Resp: 5025
Ion Ratio Lower Upper
139 100
109 825.9 44.7 84.7#
65 131.5 69.8 109.8#



#57
2,4-Dinitrotoluene
Concen: 3.448 ng
RT: 10.098 min Scan# 1344
Delta R.T. -0.012 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

Tgt Ion:165 Resp: 6472
Ion Ratio Lower Upper
165 100
63 19.9 33.9 50.9#
89 14.6 50.6 75.8#
182 23.1 2.3 3.5#

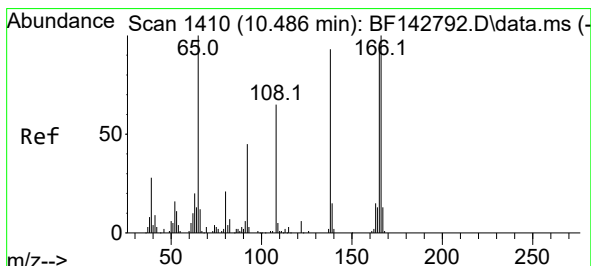
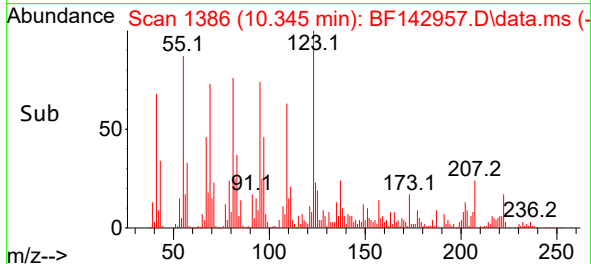
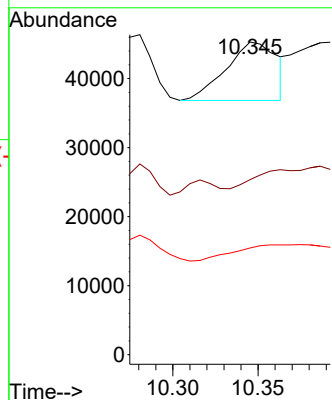
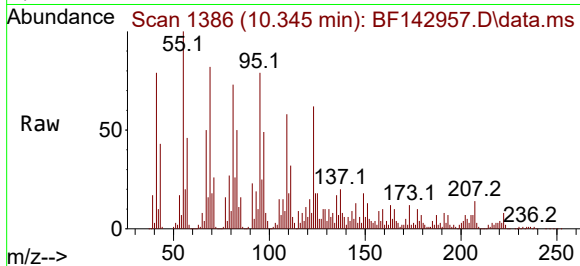




#60
Diethylphthalate
Concen: 2.787 ng
RT: 10.345 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

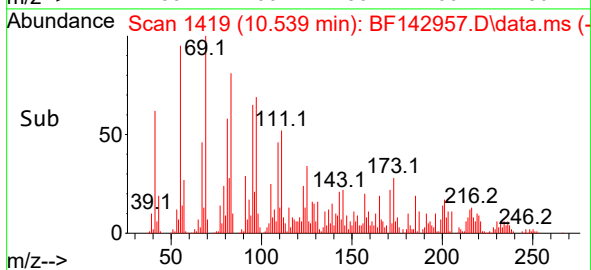
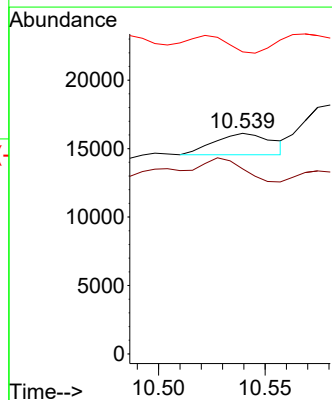
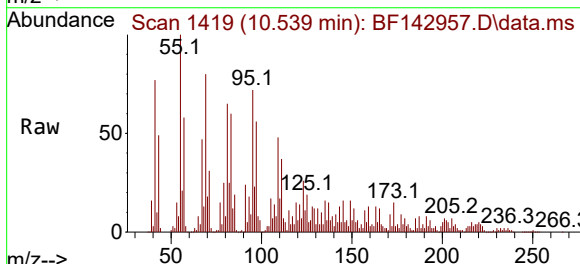
Instrument :
BNA_F
ClientSampleId :
COMP-2

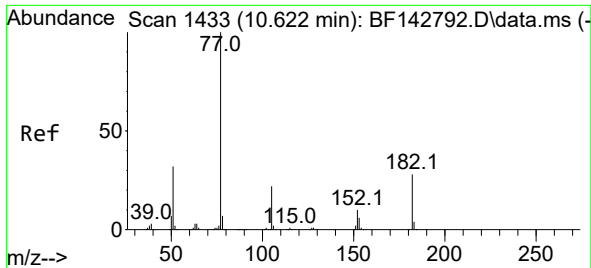
Tgt Ion:149 Resp: 17580
Ion Ratio Lower Upper
149 100
177 56.0 17.0 25.6#
150 34.2 9.8 14.6#



#62
4-Nitroaniline
Concen: 2.075 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.053 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

Tgt Ion:138 Resp: 2952
Ion Ratio Lower Upper
138 100
92 83.8 28.4 68.4#
108 136.8 50.2 90.2#

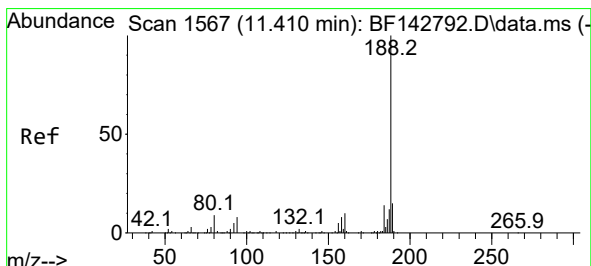
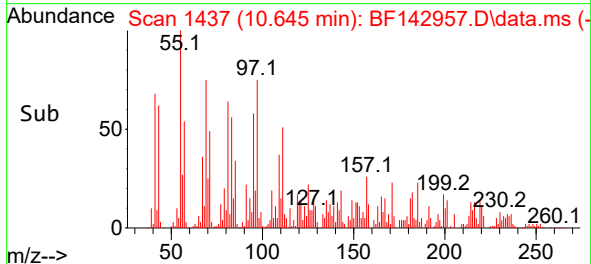
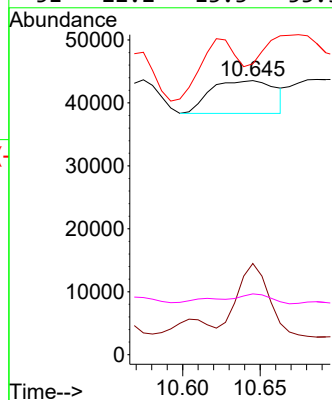
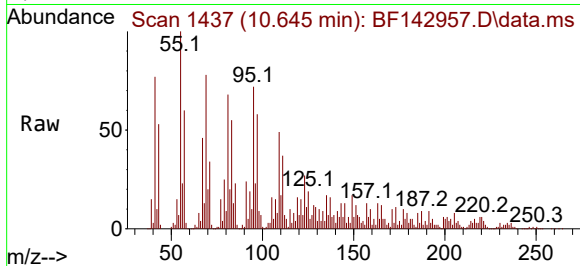




#63
 Azobenzene
 Concen: 2.688 ng
 RT: 10.645 min Scan# 1433
 Delta R.T. 0.024 min
 Lab File: BF142957.D
 Acq: 01 Jul 2025 19:02

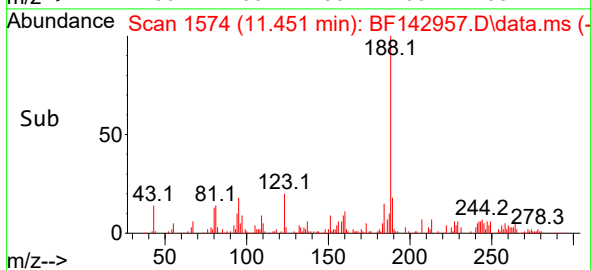
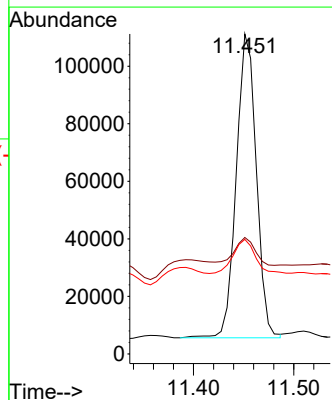
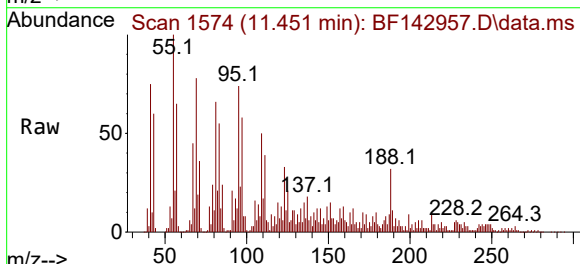
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

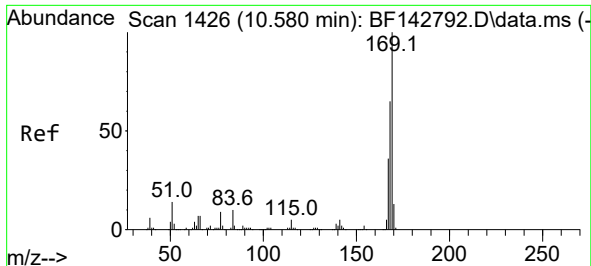
Tgt Ion: 77	Resp: 15158
Ion Ratio	Lower Upper
77	100
182	33.3 7.7 47.7
105	106.1 1.9 41.9#
51	22.2 13.3 53.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.451 min Scan# 1574
 Delta R.T. 0.041 min
 Lab File: BF142957.D
 Acq: 01 Jul 2025 19:02

Tgt Ion: 188	Resp: 146916
Ion Ratio	Lower Upper
188	100
94	36.4 6.7 10.1#
80	35.8 6.9 10.3#

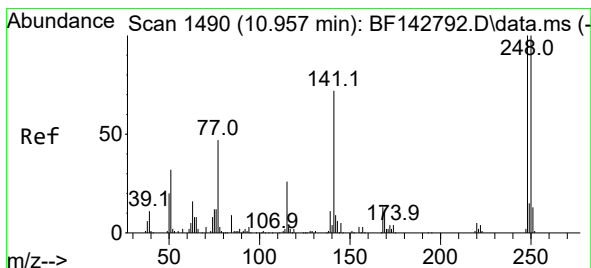
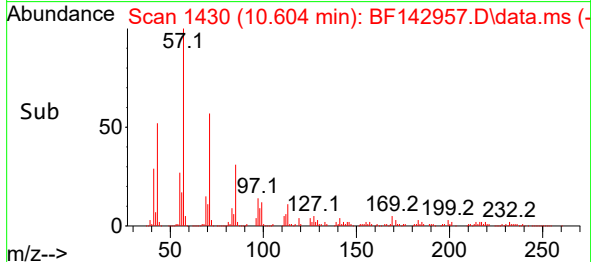
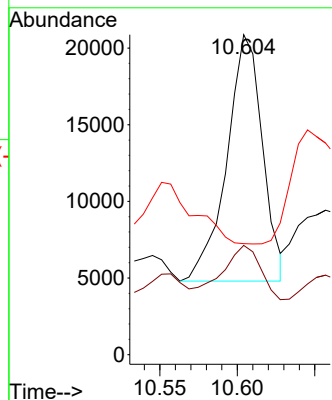
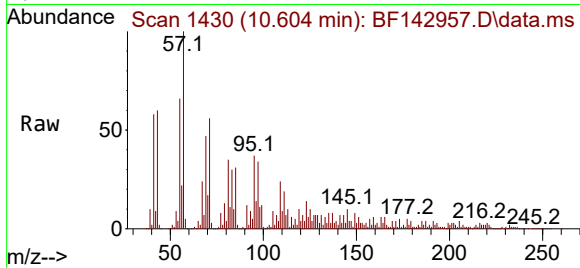




#66
n-Nitrosodiphenylamine
Concen: 5.049 ng
RT: 10.604 min Scan# 1426
Delta R.T. 0.024 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

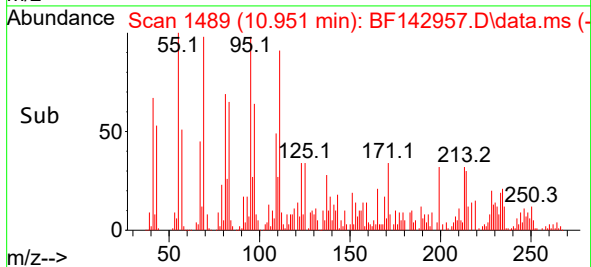
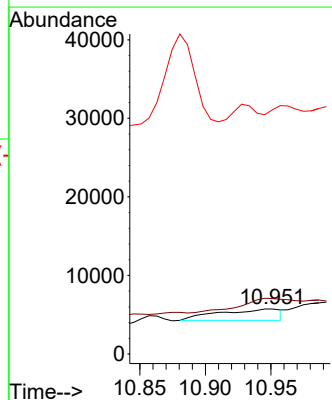
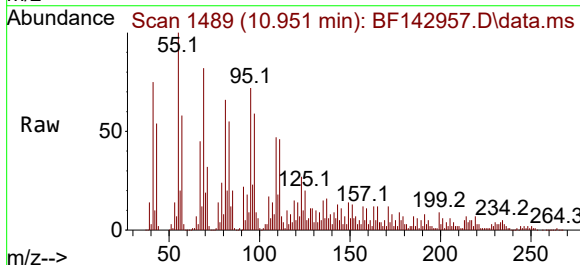
Instrument :
BNA_F
ClientSampleId :
COMP-2

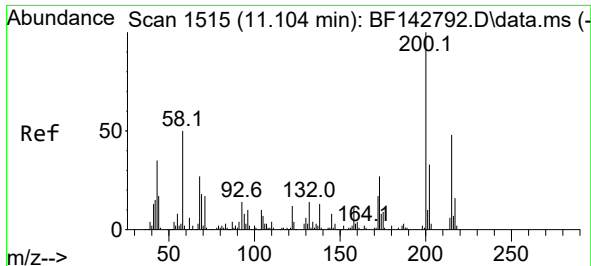
Tgt Ion:169 Resp: 25706
Ion Ratio Lower Upper
169 100
168 34.2 51.9 77.9#
167 34.7 28.5 42.7



#67
4-Bromophenyl-phenylether
Concen: 2.803 ng
RT: 10.951 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

Tgt Ion:248 Resp: 4686
Ion Ratio Lower Upper
248 100
250 123.1 79.8 119.8#
141 542.2 57.8 86.6#

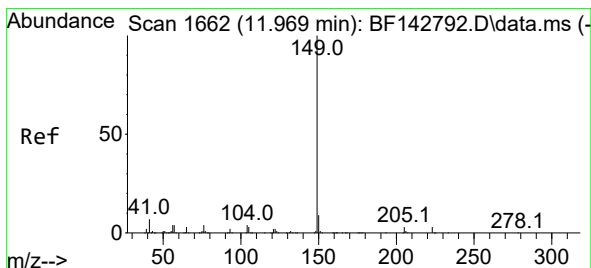
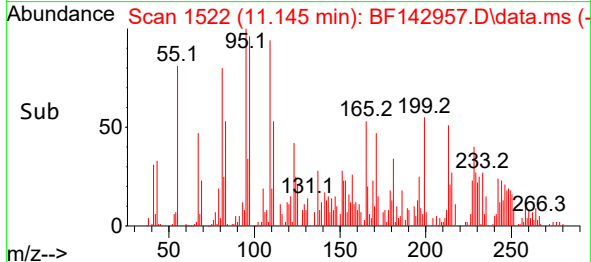
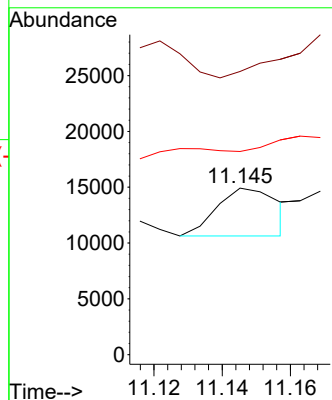
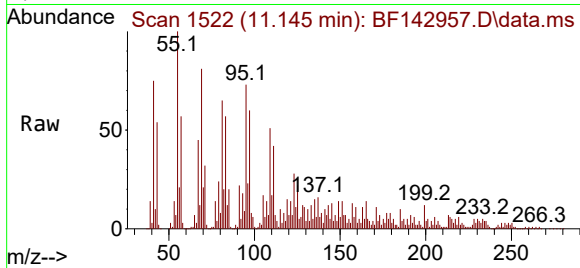




#69
 Atrazine
 Concen: 4.045 ng
 RT: 11.145 min Scan# 1515
 Delta R.T. 0.041 min
 Lab File: BF142957.D
 Acq: 01 Jul 2025 19:02

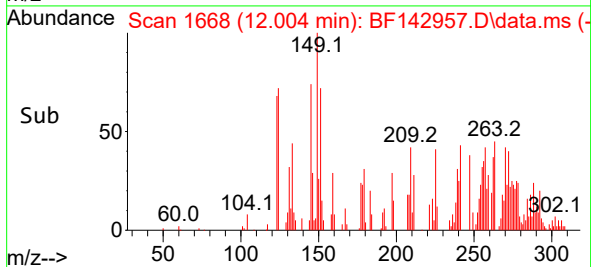
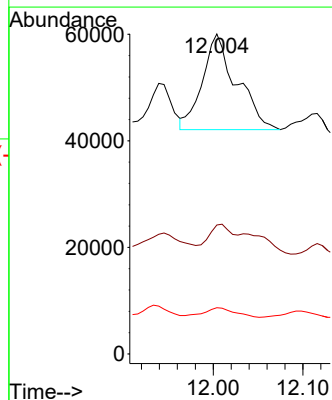
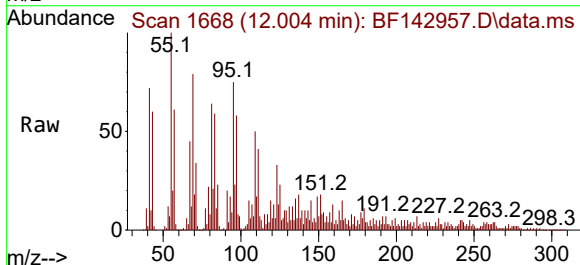
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

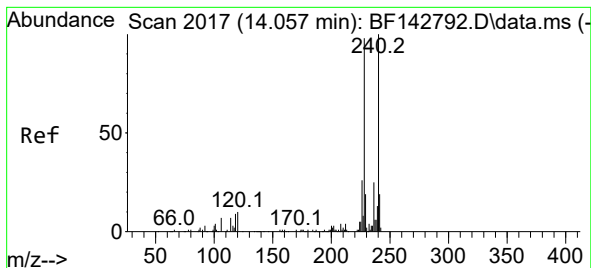
Tgt Ion:200 Resp: 5318
 Ion Ratio Lower Upper
 200 100
 173 170.0 7.4 47.4#
 215 121.9 28.4 68.4#



#74
 Di-n-butylphthalate
 Concen: 6.438 ng
 RT: 12.004 min Scan# 1668
 Delta R.T. 0.036 min
 Lab File: BF142957.D
 Acq: 01 Jul 2025 19:02

Tgt Ion:149 Resp: 47241
 Ion Ratio Lower Upper
 149 100
 150 40.3 7.4 11.0#
 104 14.4 3.5 5.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF142957.D

Acq: 01 Jul 2025 19:02

Instrument :

BNA_F

ClientSampleId :

COMP-2

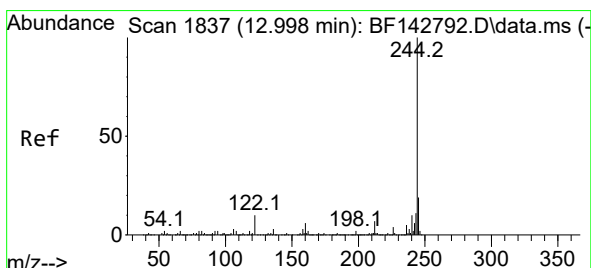
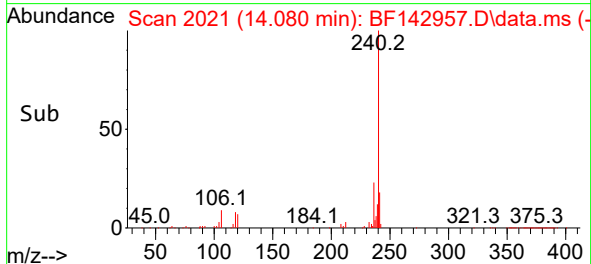
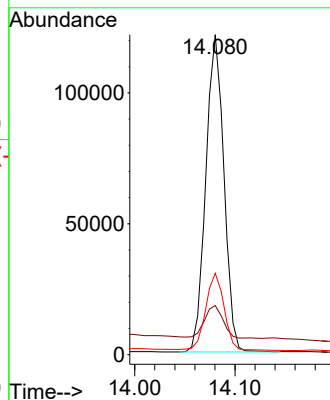
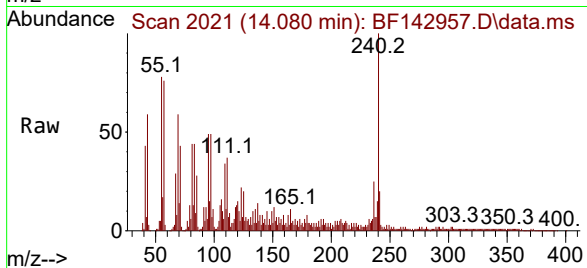
Tgt Ion:240 Resp: 152704

Ion Ratio Lower Upper

240 100

120 15.4 8.2 12.2#

236 25.5 19.8 29.8



#79

Terphenyl-d14

Concen: 4.347 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.035 min

Lab File: BF142957.D

Acq: 01 Jul 2025 19:02

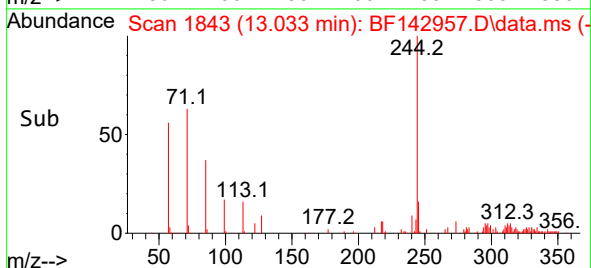
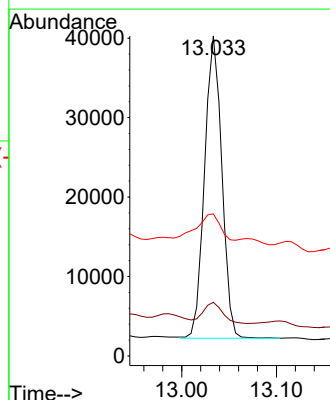
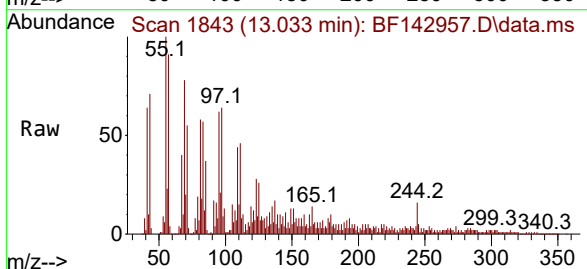
Tgt Ion:244 Resp: 48048

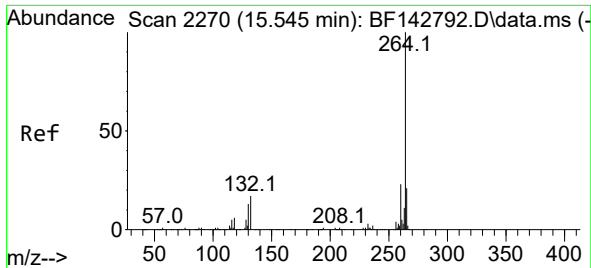
Ion Ratio Lower Upper

244 100

212 16.7 5.4 8.0#

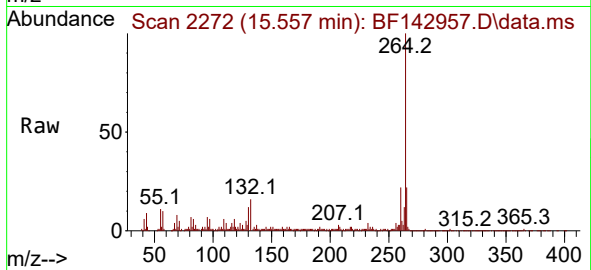
122 44.4 8.2 12.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142957.D
Acq: 01 Jul 2025 19:02

Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:264 Resp: 132220
Ion Ratio Lower Upper
264 100
260 22.4 18.1 27.1
265 21.5 16.6 25.0

