

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142028.D
 Acq On : 21 Mar 2025 14:22
 Operator : RC/JU
 Sample : Q1619-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Mar 21 14:42:44 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)

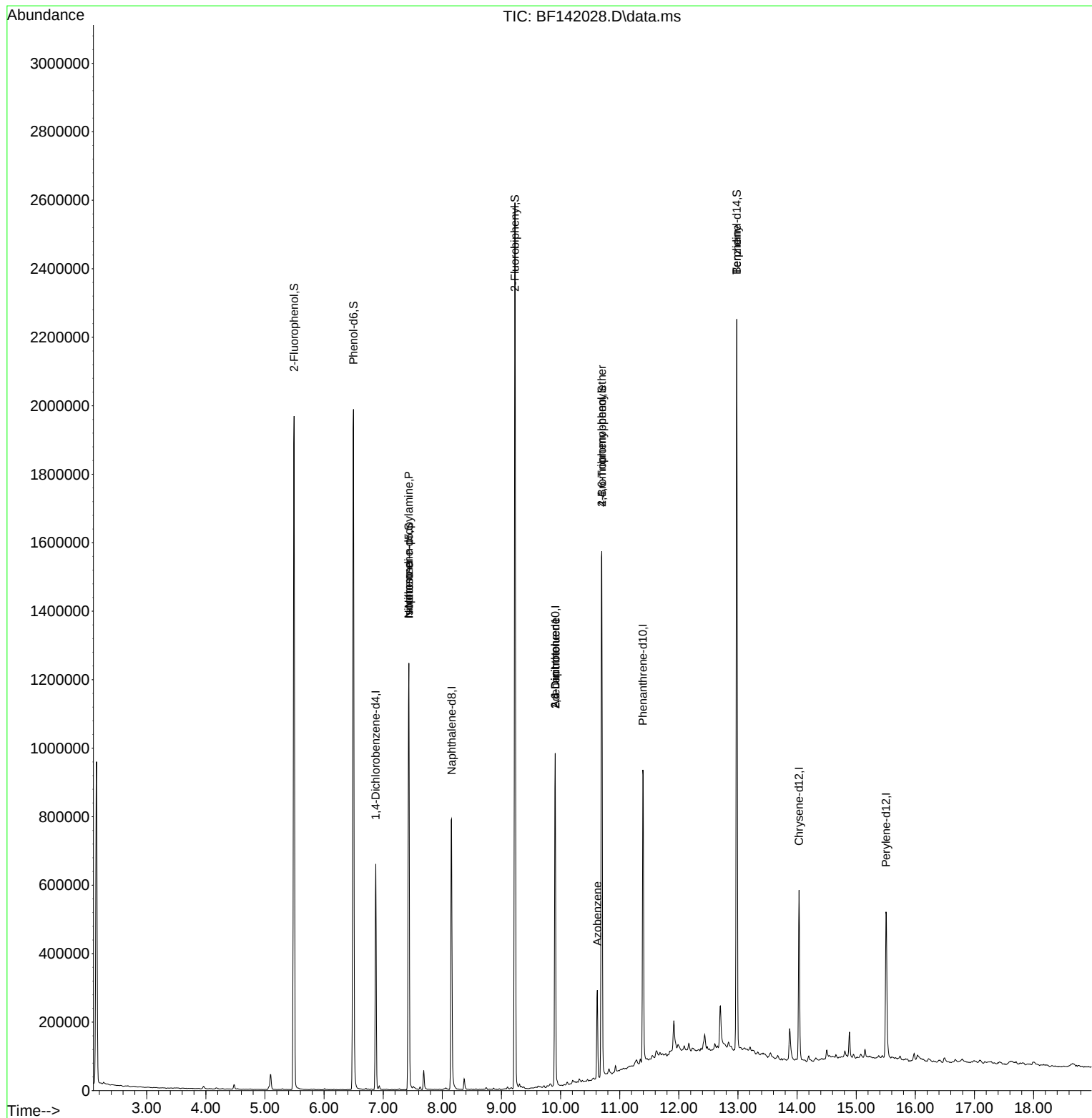
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	140306	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	542413	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	290122	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	455808	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	249792	20.000	ng	0.00
86) Perylene-d12	15.504	264	280486	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	779021	92.666	ng	0.00
7) Phenol-d6	6.498	99	996151	93.066	ng	0.00
23) Nitrobenzene-d5	7.434	82	568500	58.982	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	294913	80.127	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1115556	58.477	ng	-0.01
79) Terphenyl-d14	12.980	244	1067947	63.209	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.434	70	78868	11.467	ng	# 78
25) Isophorone	7.434	82	553445	32.484	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	38510	9.104	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	38510	6.970	ng	# 24
63) Azobenzene	10.622	77	65619	3.484	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	18200	3.179	ng	# 1
77) Benzydine	12.980	184	14355	4.119	ng	# 90

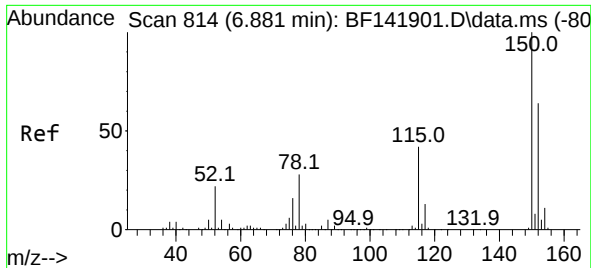
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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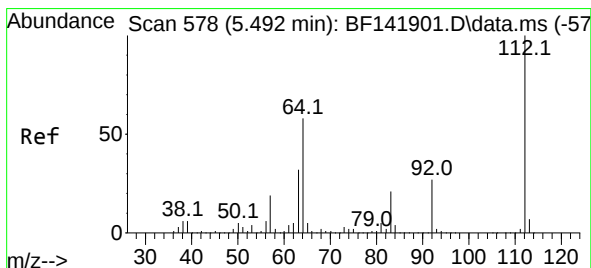
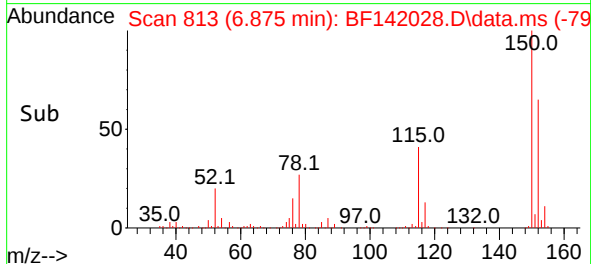
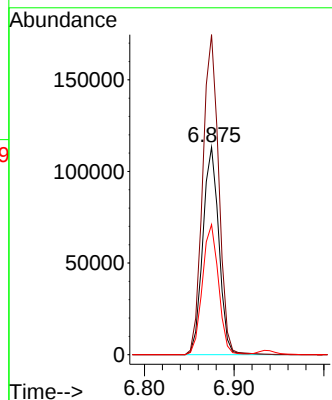
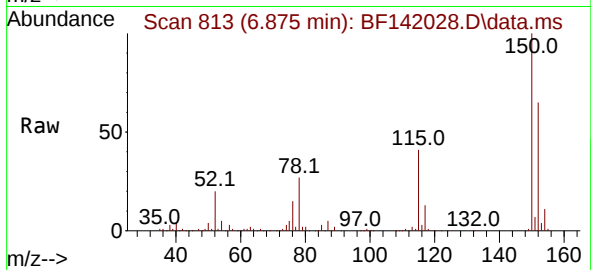




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

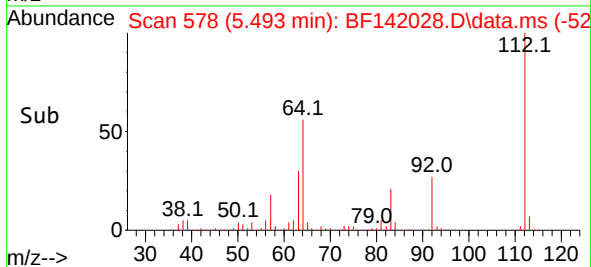
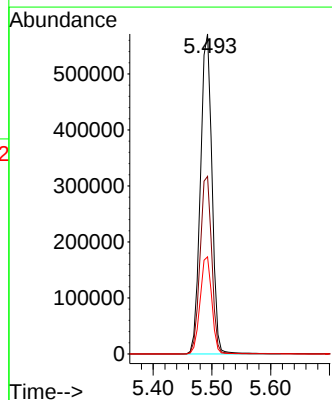
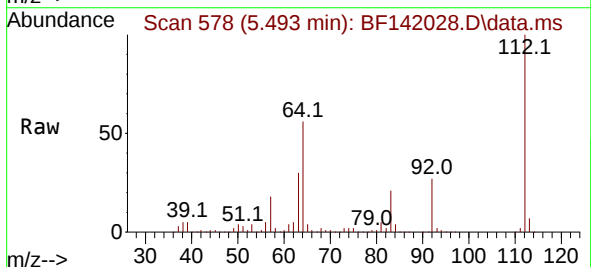
Instrument :
BNA_F
ClientSampleId :
TP-2

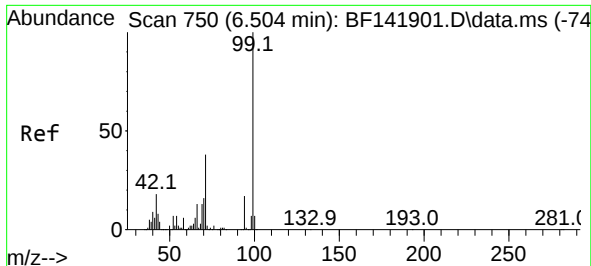
Tgt Ion:152 Resp: 140306
Ion Ratio Lower Upper
152 100
150 154.2 127.4 191.2
115 62.7 51.9 77.9



#5
2-Fluorophenol
Concen: 92.666 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

Tgt Ion:112 Resp: 779021
Ion Ratio Lower Upper
112 100
64 55.5 46.5 69.7
63 30.3 25.4 38.2





#7
Phenol-d6
Concen: 93.066 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

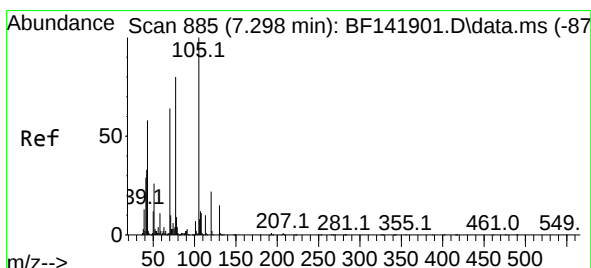
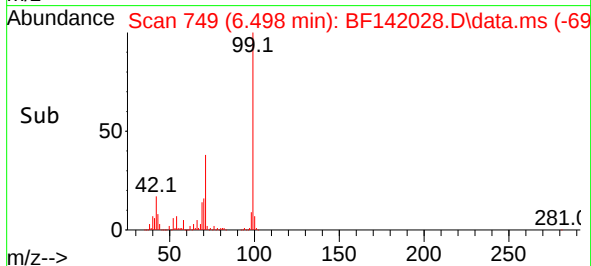
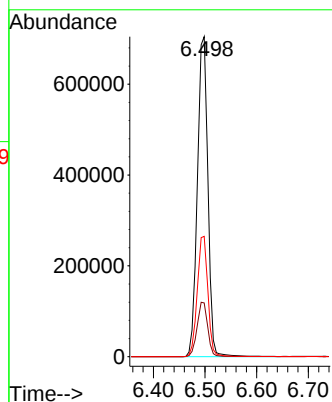
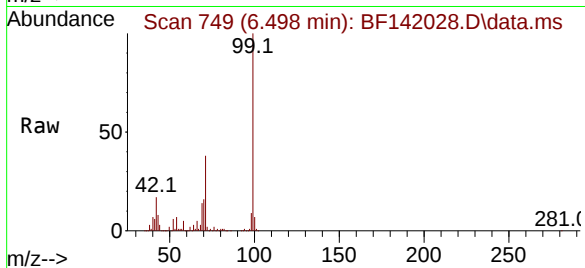
Instrument :

BNA_F

ClientSampleId :

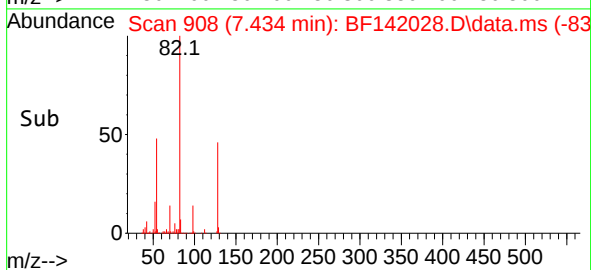
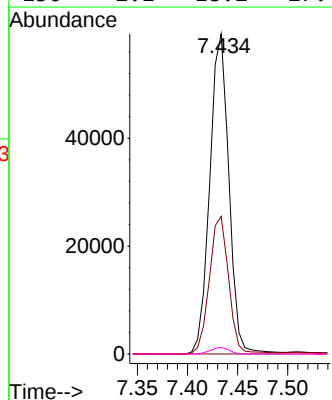
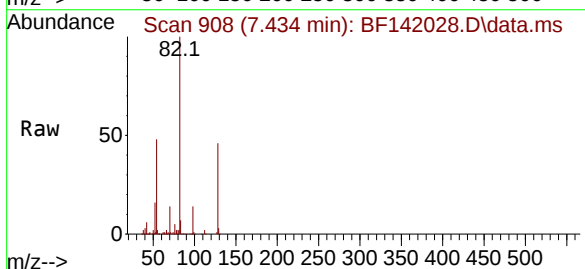
TP-2

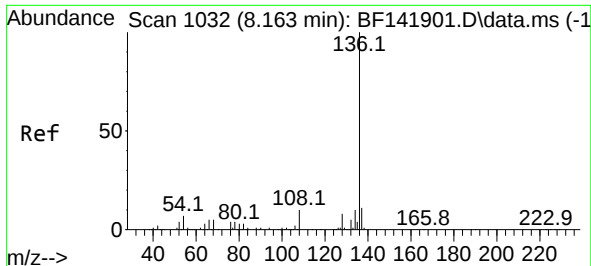
Tgt Ion: 99 Resp: 996151
Ion Ratio Lower Upper
99 100
42 16.8 14.6 21.8
71 37.6 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.467 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

Tgt Ion: 70 Resp: 78868
Ion Ratio Lower Upper
70 100
42 43.0 41.4 62.0
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#

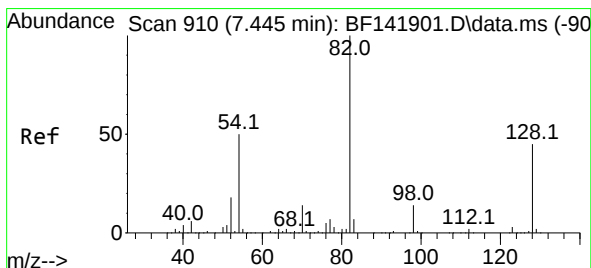
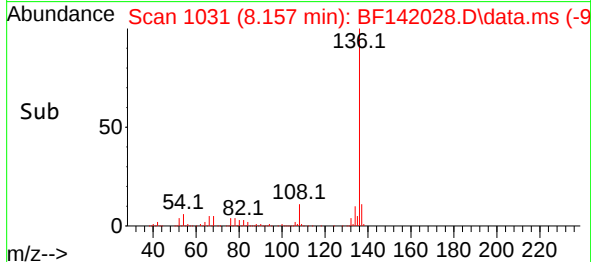
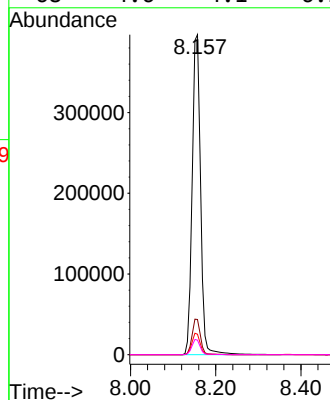
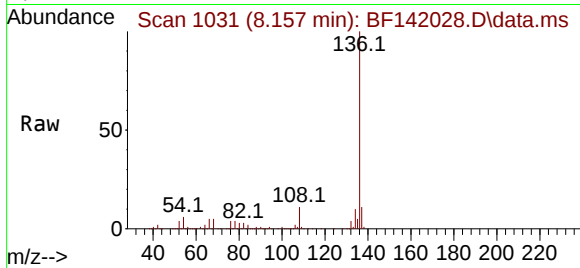




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

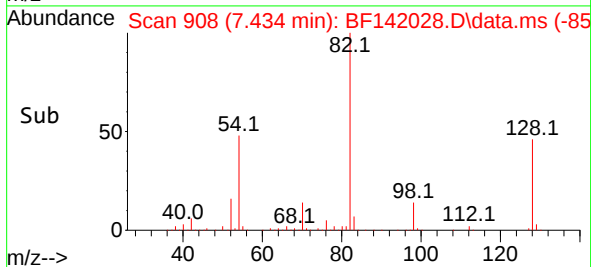
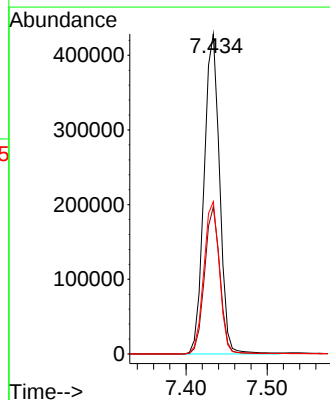
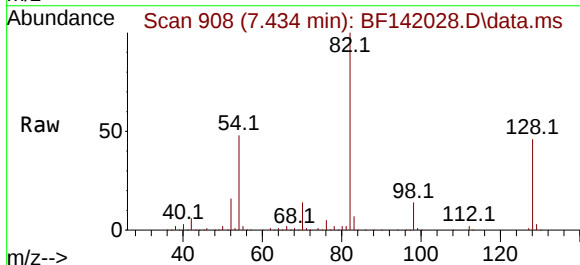
Instrument :
BNA_F
ClientSampleId :
TP-2

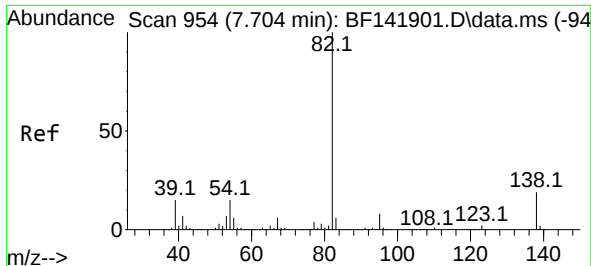
Tgt Ion:136 Resp: 542413
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.4 5.8 8.8
68 4.6 4.1 6.1



#23
Nitrobenzene-d5
Concen: 58.982 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

Tgt Ion: 82 Resp: 568500
Ion Ratio Lower Upper
82 100
128 45.9 36.0 54.0
54 47.6 39.6 59.4

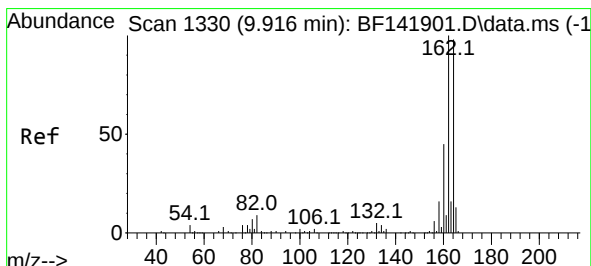
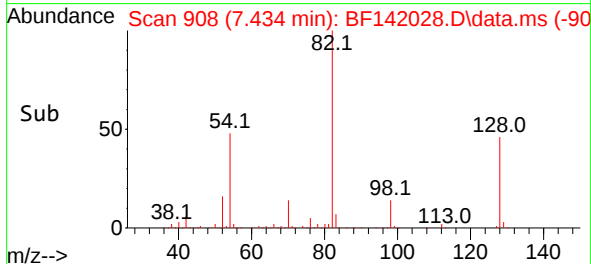
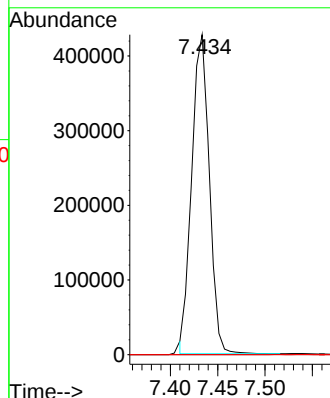
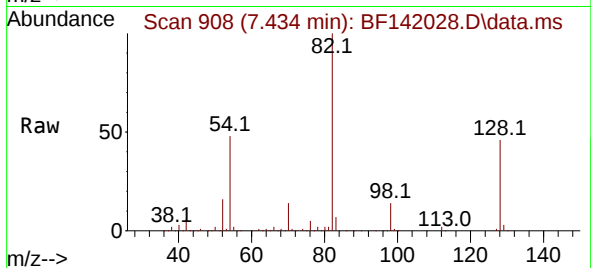




#25
Isophorone
Concen: 32.484 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

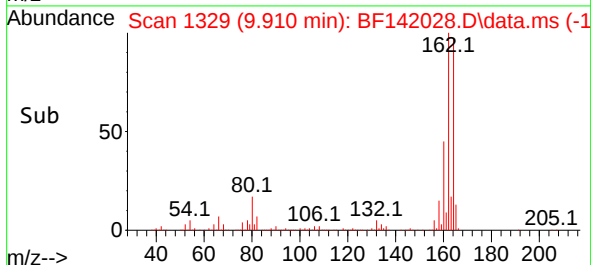
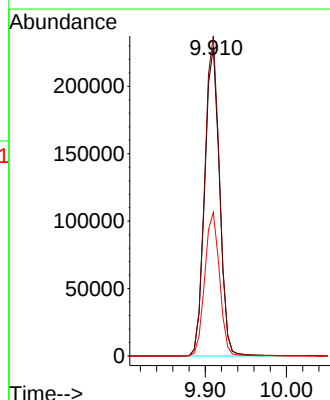
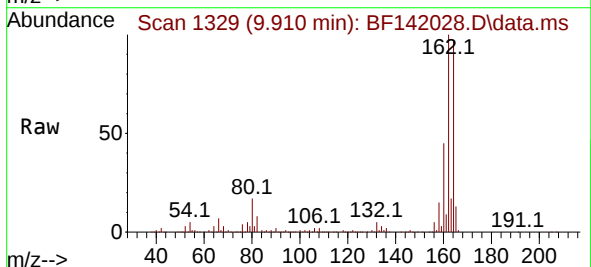
Instrument :
BNA_F
ClientSampleId :
TP-2

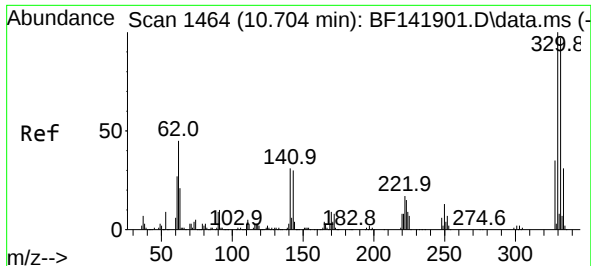
Tgt Ion: 82 Resp: 553445
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

Tgt Ion:164 Resp: 290122
Ion Ratio Lower Upper
164 100
162 103.5 81.8 122.6
160 46.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 80.127 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142028.D

Acq: 21 Mar 2025 14:22

Instrument :

BNA_F

ClientSampleId :

TP-2

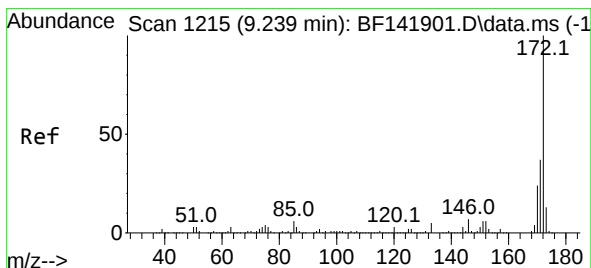
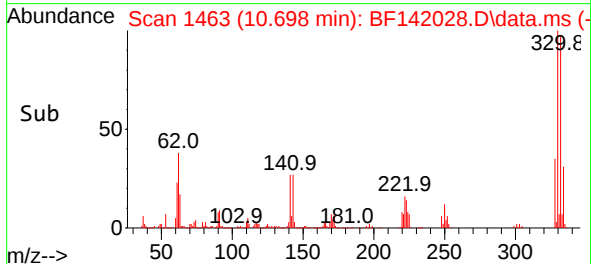
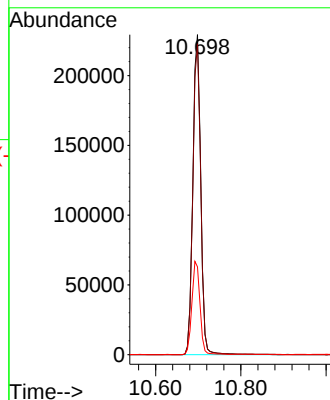
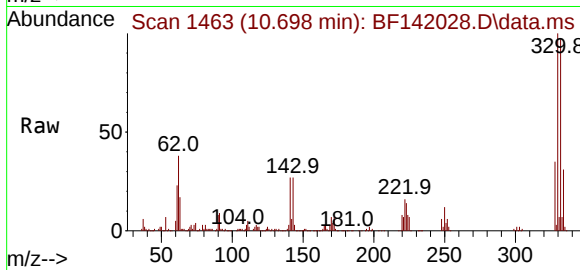
Tgt Ion:330 Resp: 294913

Ion Ratio Lower Upper

330 100

332 97.4 77.6 116.4

141 30.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 58.477 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142028.D

Acq: 21 Mar 2025 14:22

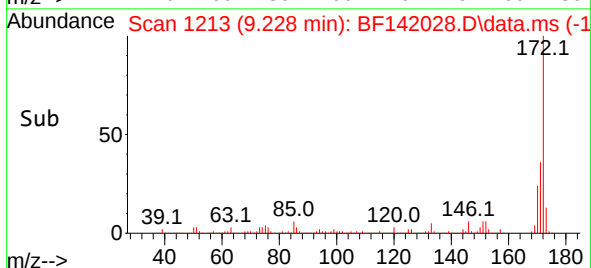
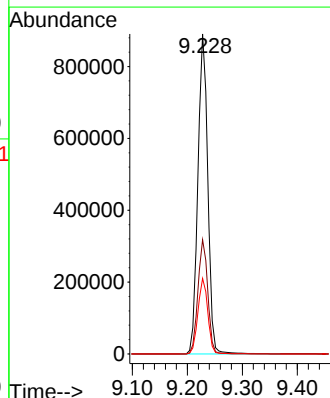
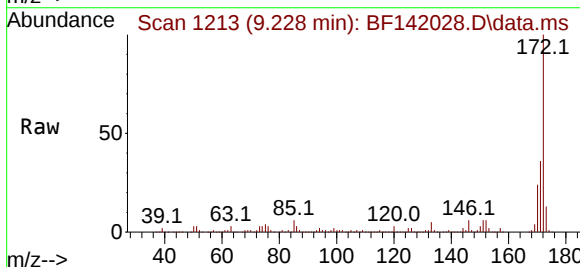
Tgt Ion:172 Resp: 1115556

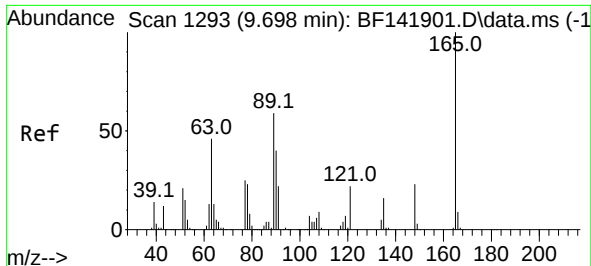
Ion Ratio Lower Upper

172 100

171 35.7 29.3 43.9

170 23.6 19.4 29.0

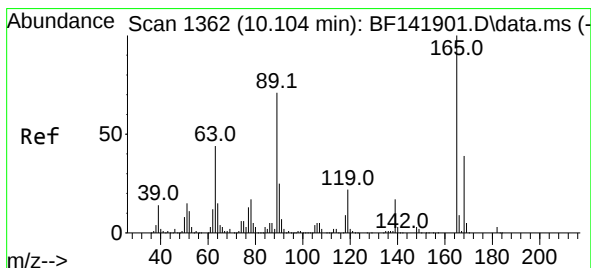
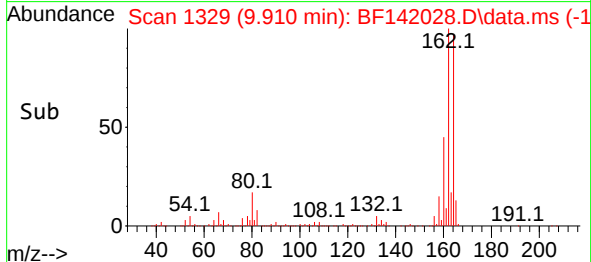
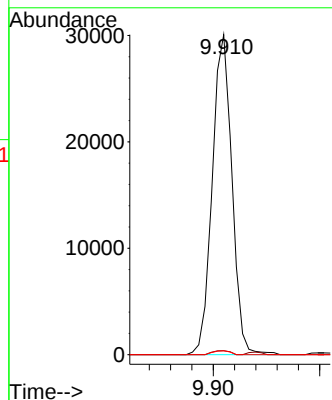
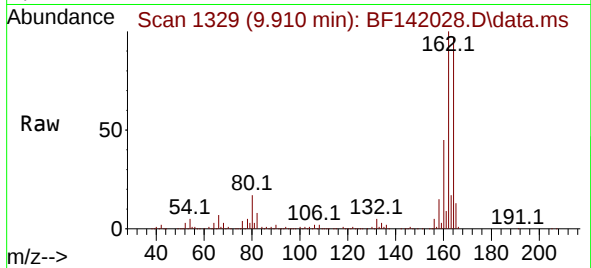




#51
2,6-Dinitrotoluene
Concen: 9.104 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

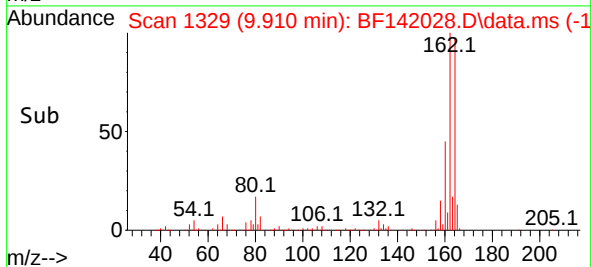
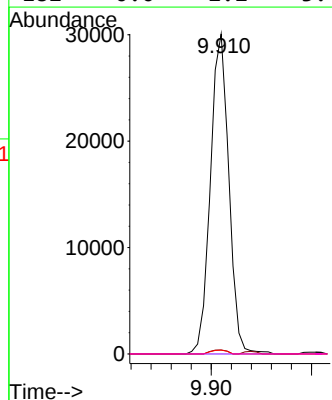
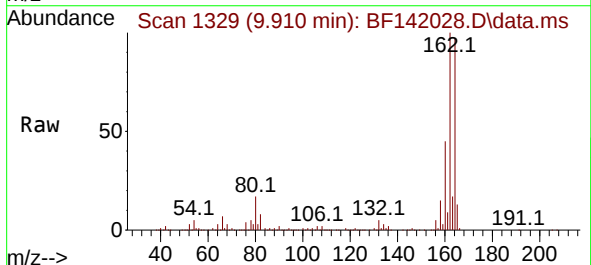
Instrument :
BNA_F
ClientSampleId :
TP-2

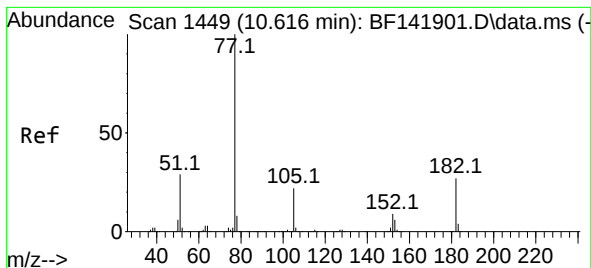
Tgt Ion:165 Resp: 38510
Ion Ratio Lower Upper
165 100
63 1.3 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.970 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

Tgt Ion:165 Resp: 38510
Ion Ratio Lower Upper
165 100
63 1.3 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.484 ng

RT: 10.622 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF142028.D

Acq: 21 Mar 2025 14:22

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion: 77 Resp: 65619

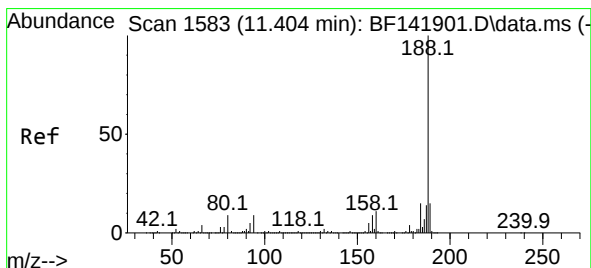
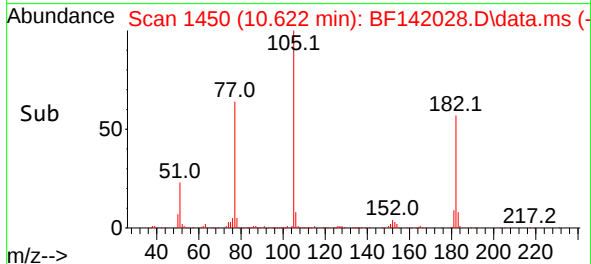
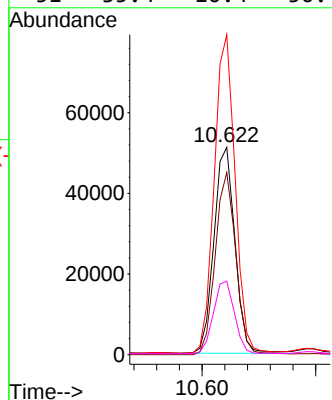
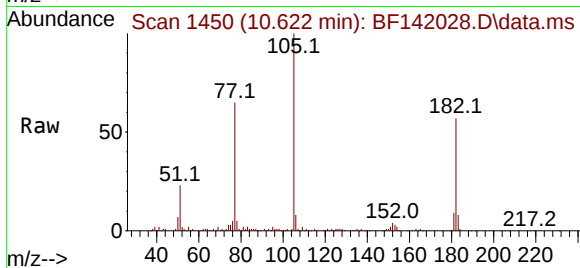
Ion Ratio Lower Upper

77 100

182 87.8 6.6 46.6#

105 154.3 1.3 41.3#

51 35.4 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: BF142028.D

Acq: 21 Mar 2025 14:22

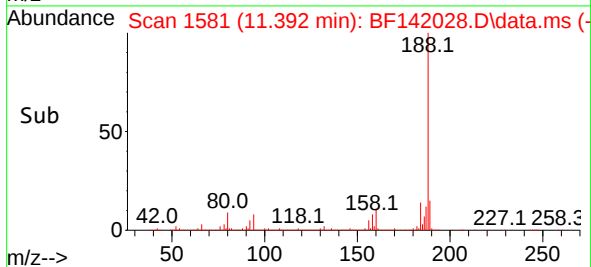
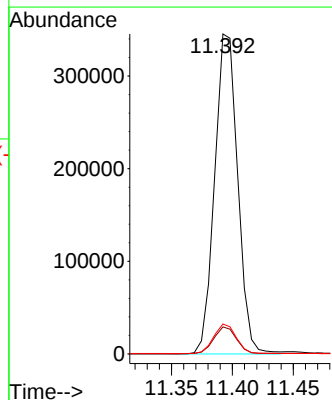
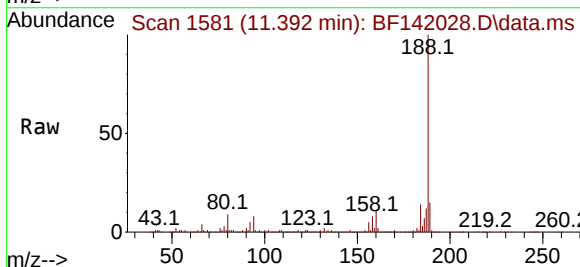
Tgt Ion: 188 Resp: 455808

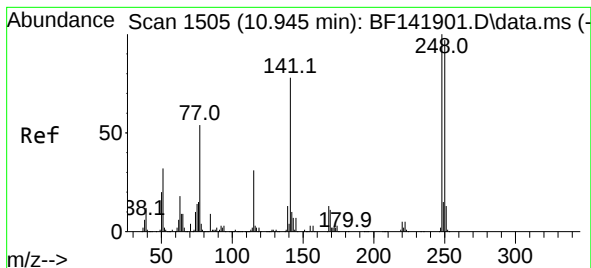
Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

80 9.4 7.6 11.4

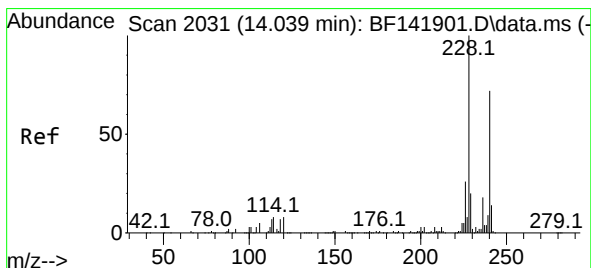
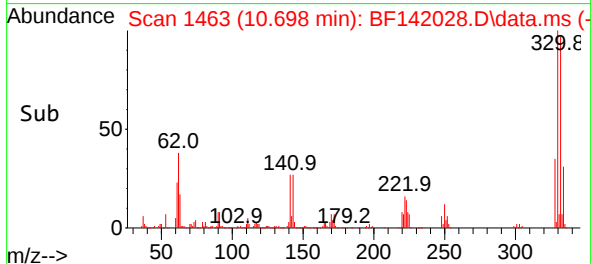
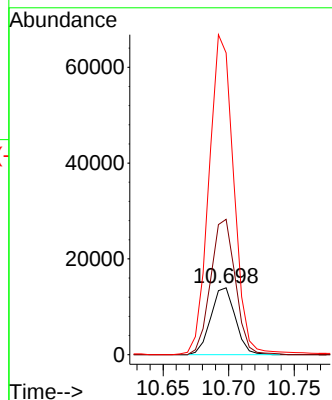
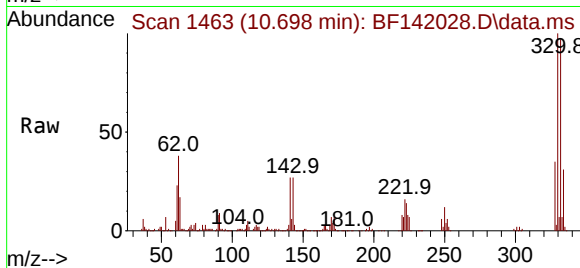




#67
4-Bromophenyl-phenylether
Concen: 3.179 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

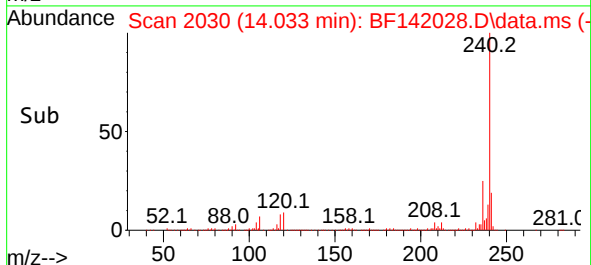
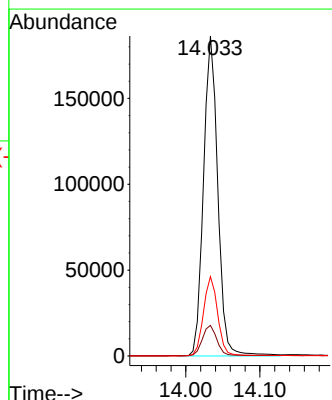
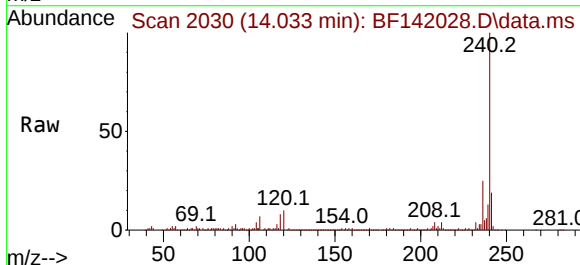
Instrument :
BNA_F
ClientSampleId :
TP-2

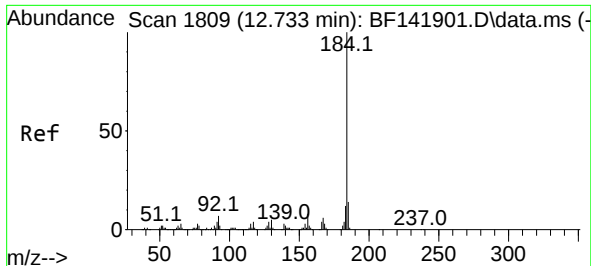
Tgt Ion:248 Resp: 18200
Ion Ratio Lower Upper
248 100
250 202.3 77.8 116.8#
141 451.1 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

Tgt Ion:240 Resp: 249792
Ion Ratio Lower Upper
240 100
120 9.6 8.4 12.6
236 24.8 20.5 30.7

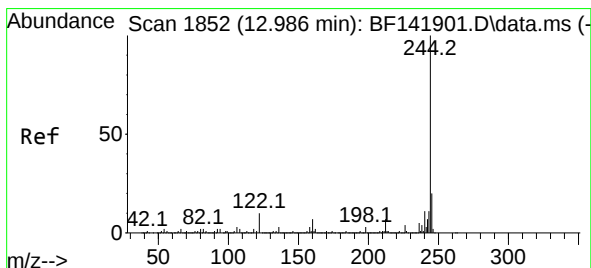
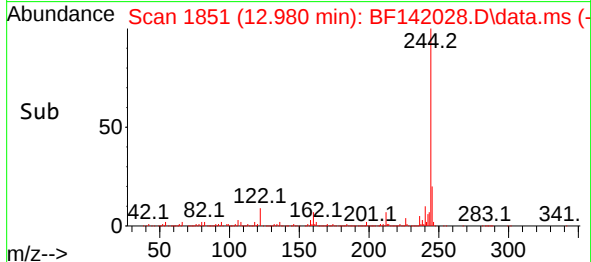
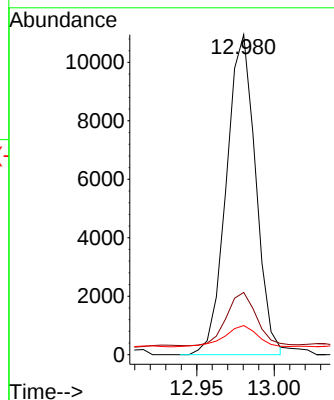
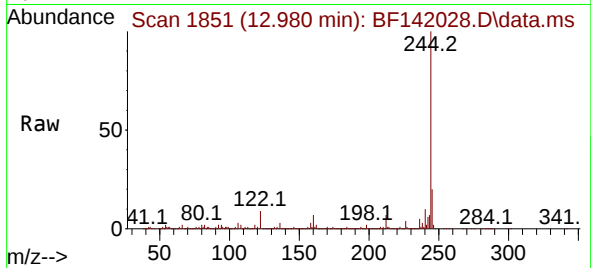




#77
Benzidine
Concen: 4.119 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

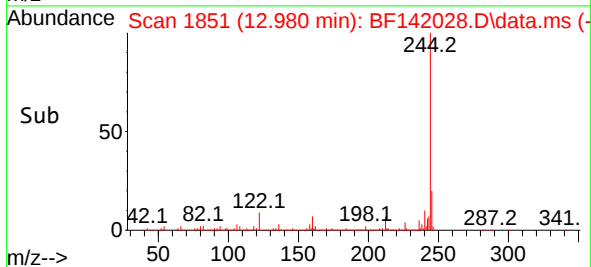
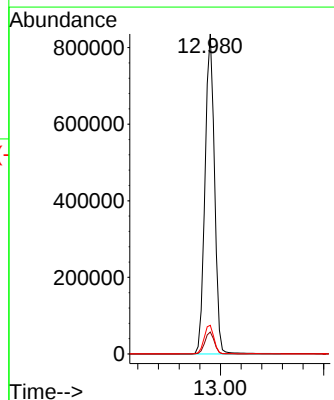
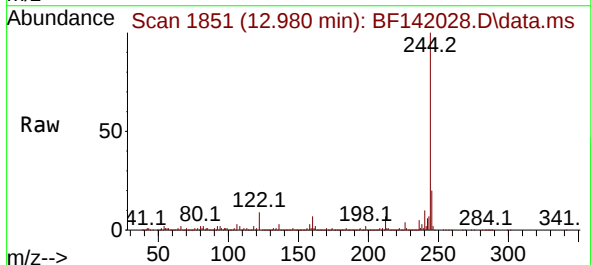
Instrument :
BNA_F
ClientSampleId :
TP-2

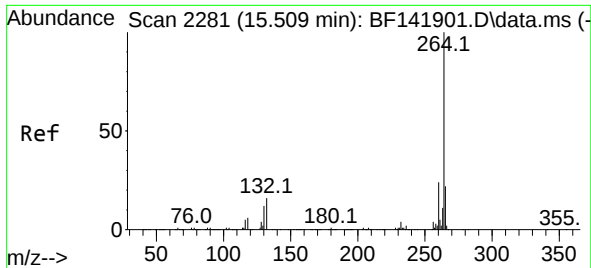
Tgt Ion:184 Resp: 14355
Ion Ratio Lower Upper
184 100
185 19.4 11.5 17.3#
183 9.1 9.7 14.5#



#79
Terphenyl-d14
Concen: 63.209 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142028.D
Acq: 21 Mar 2025 14:22

Tgt Ion:244 Resp: 1067947
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: 15.504 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142028.D
 Acq: 21 Mar 2025 14:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:264 Resp: 280486
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.1 28.7
 265 21.5 17.5 26.3

