

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
 Data File : BF142107.D
 Acq On : 26 Mar 2025 20:08
 Operator : RC/JU
 Sample : Q1636-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Mar 27 01:04:48 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)

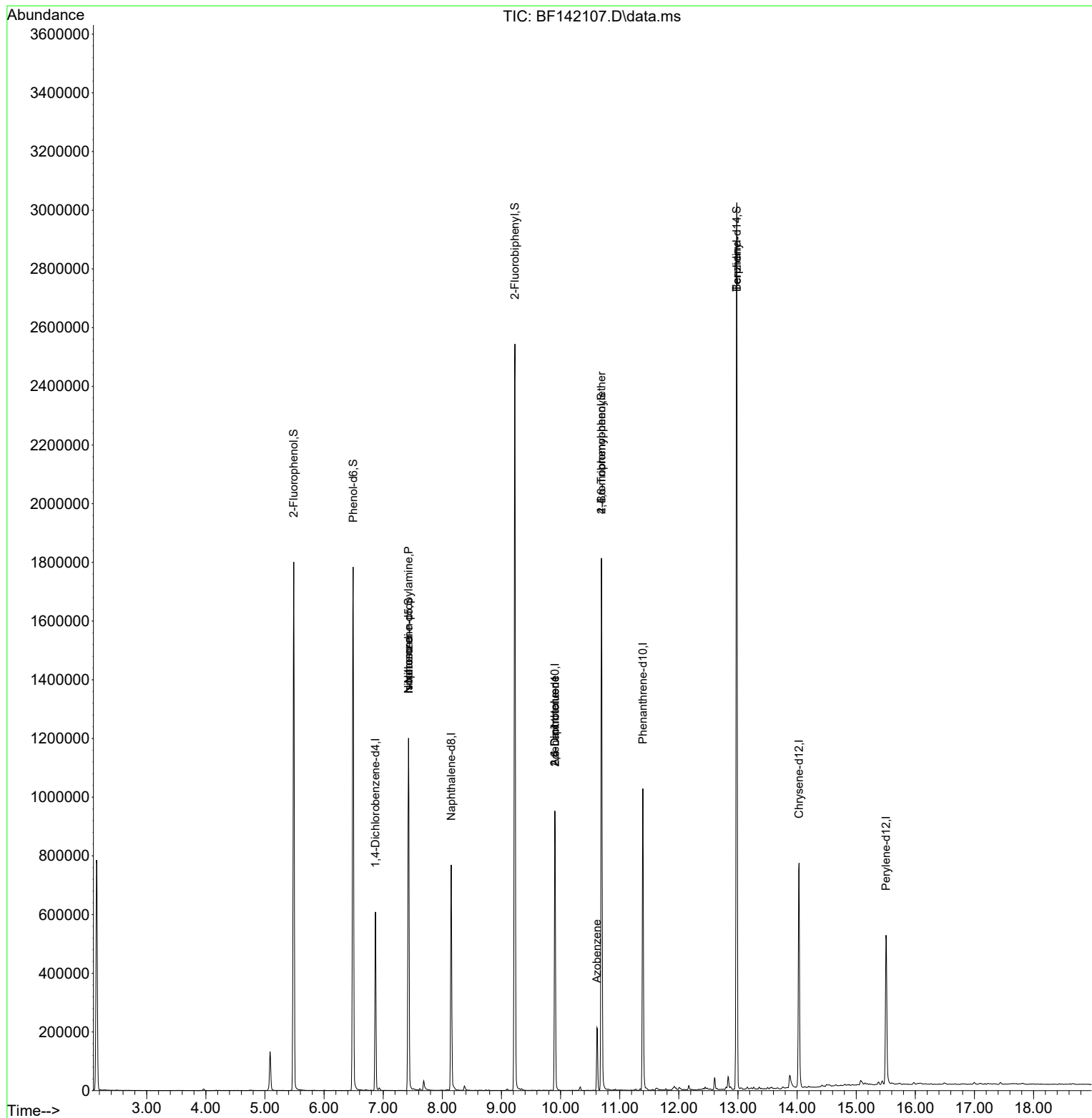
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	129761	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	508179	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	291328	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	543729	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	392729	20.000	ng	0.00
86) Perylene-d12	15.504	264	325980	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	698140	89.793	ng	0.00
7) Phenol-d6	6.492	99	874258	88.316	ng	-0.01
23) Nitrobenzene-d5	7.428	82	555272	61.491	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	345770	93.556	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1156924	60.395	ng	-0.01
79) Terphenyl-d14	12.980	244	1512085	56.923	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	76307	11.996	ng	# 77
25) Isophorone	7.428	82	546226	34.220	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	37099	8.734	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	37100	6.687	ng	# 24
63) Azobenzene	10.616	77	56910	3.009	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	21999	3.222	ng	# 1
77) Benzidine	12.980	184	20648	3.768	ng	# 94

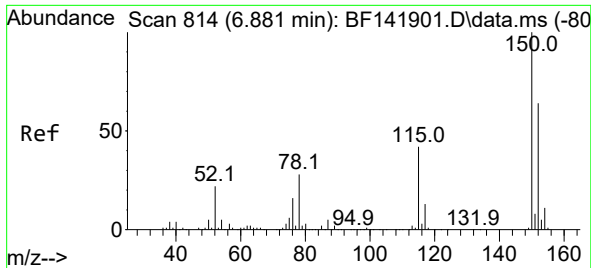
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
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WC-4

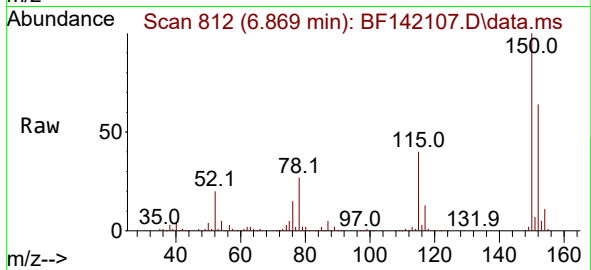
Quant Time: Mar 27 01:04:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
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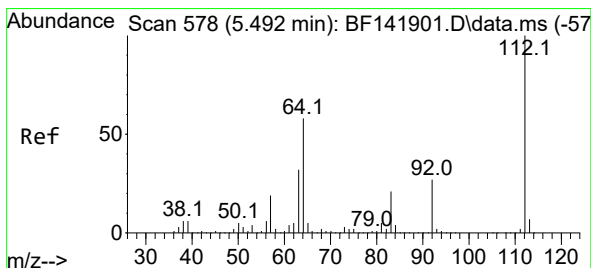
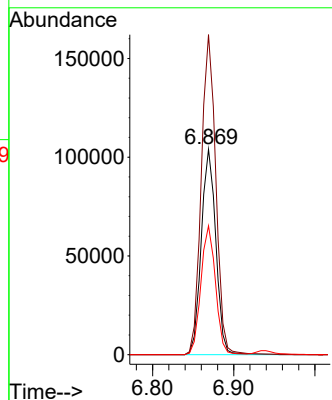
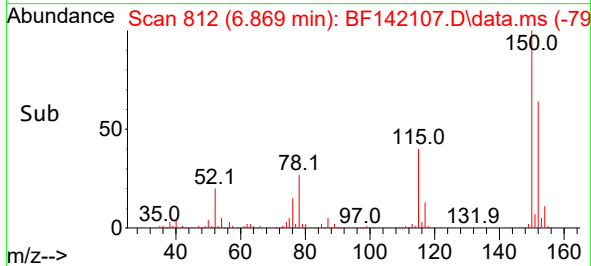


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

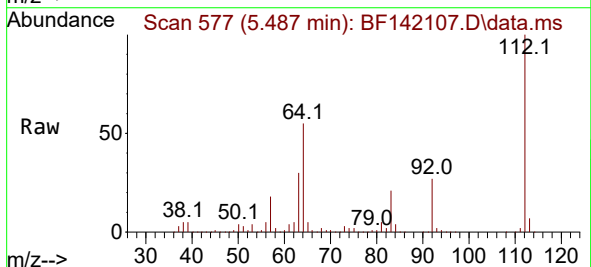
Instrument :
BNA_F
ClientSampleId :
WC-4



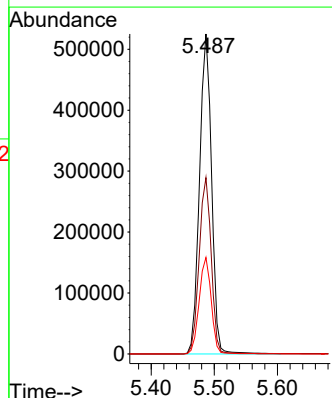
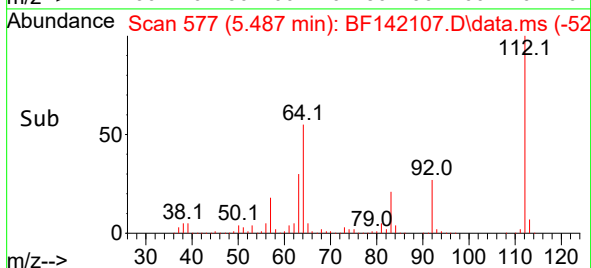
Tgt Ion:152 Resp: 129761
Ion Ratio Lower Upper
152 100
150 155.8 127.4 191.2
115 62.7 51.9 77.9

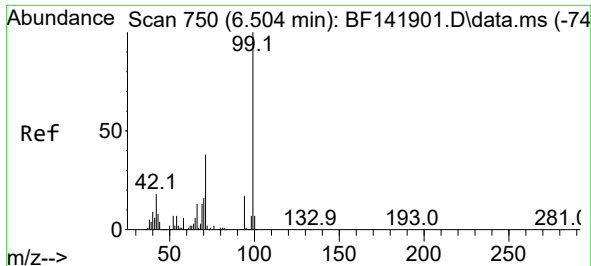


#5
2-Fluorophenol
Concen: 89.793 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08



Tgt Ion:112 Resp: 698140
Ion Ratio Lower Upper
112 100
64 55.1 46.5 69.7
63 30.2 25.4 38.2

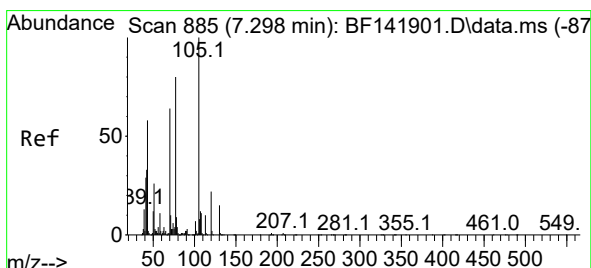
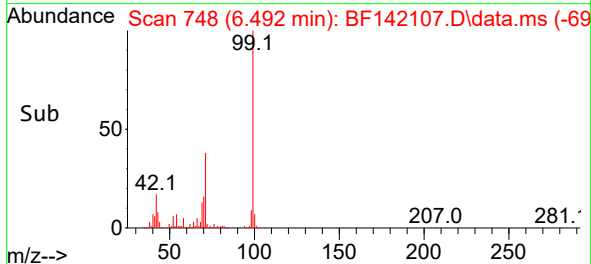
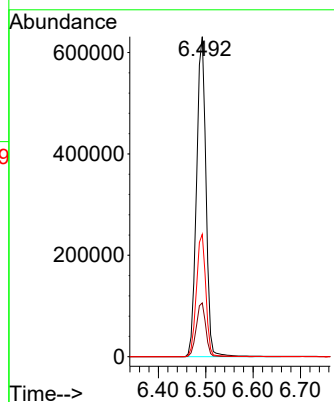
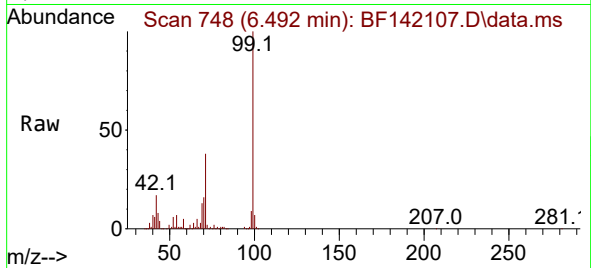




#7
Phenol-d6
Concen: 88.316 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

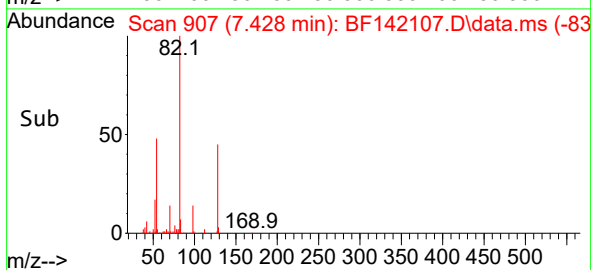
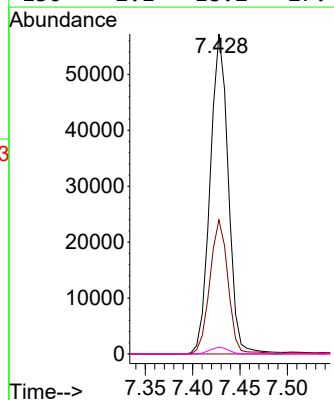
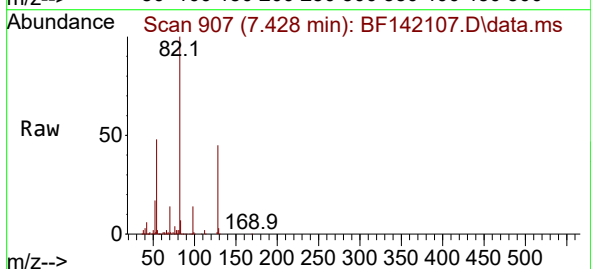
Instrument :
BNA_F
ClientSampleId :
WC-4

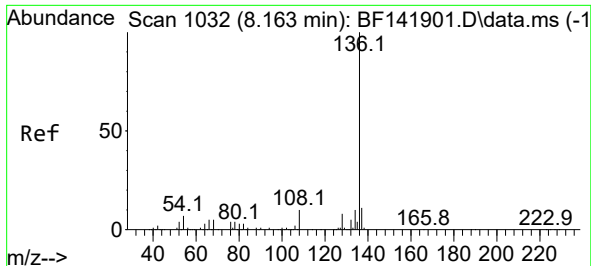
Tgt Ion: 99 Resp: 874258
Ion Ratio Lower Upper
99 100
42 16.8 14.6 21.8
71 38.2 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.996 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.129 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

Tgt Ion: 70 Resp: 76307
Ion Ratio Lower Upper
70 100
42 41.9 41.4 62.0
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#

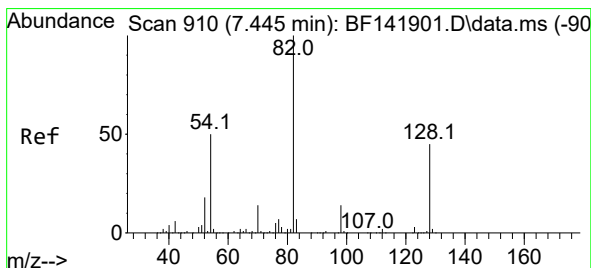
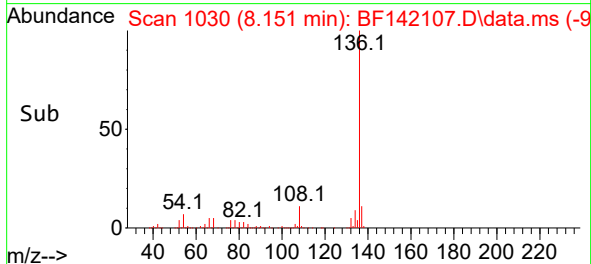
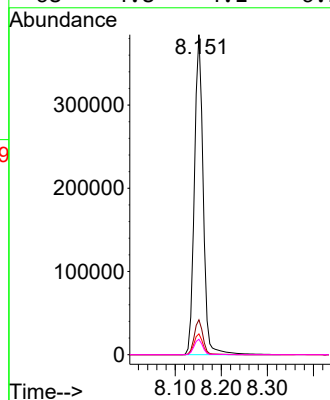
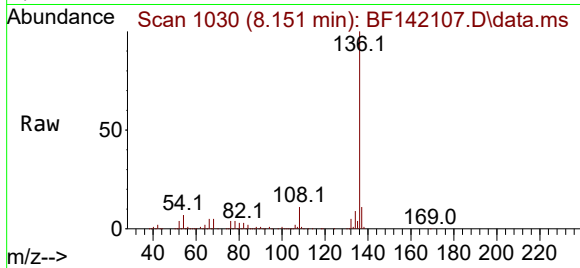




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

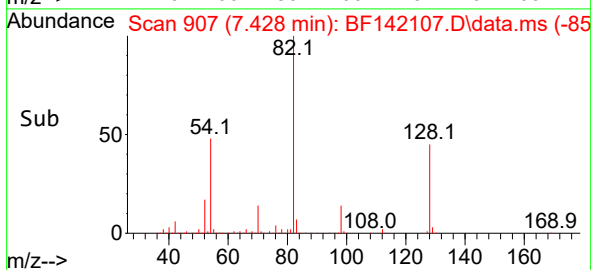
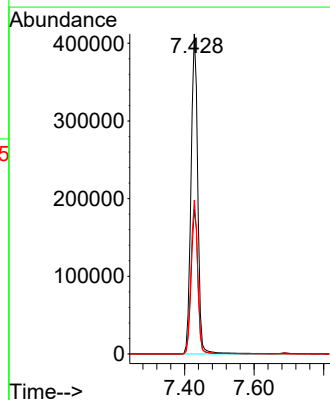
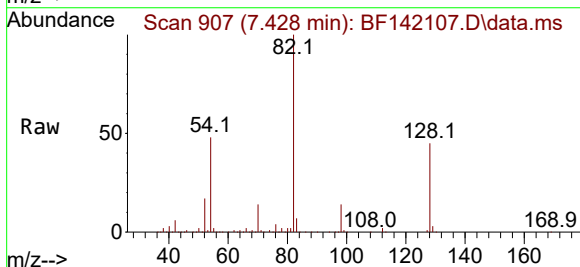
Instrument :
BNA_F
ClientSampleId :
WC-4

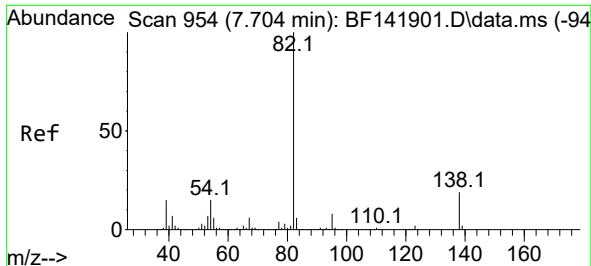
Tgt Ion:136 Resp: 508179
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.5 5.8 8.8
68 4.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 61.491 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

Tgt Ion: 82 Resp: 555272
Ion Ratio Lower Upper
82 100
128 45.2 36.0 54.0
54 48.1 39.6 59.4

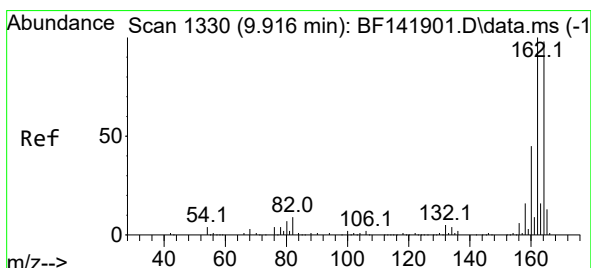
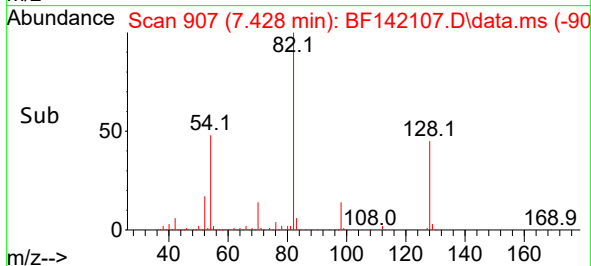
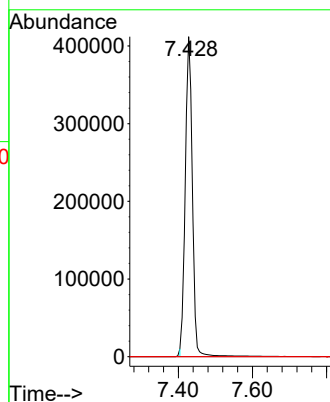
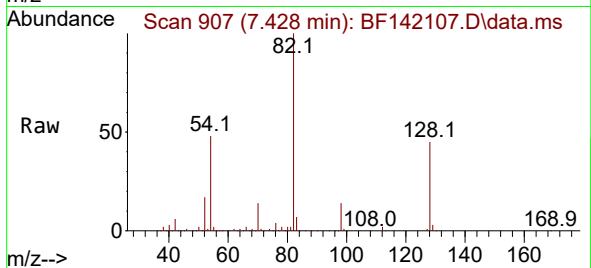




#25
Isophorone
Concen: 34.220 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

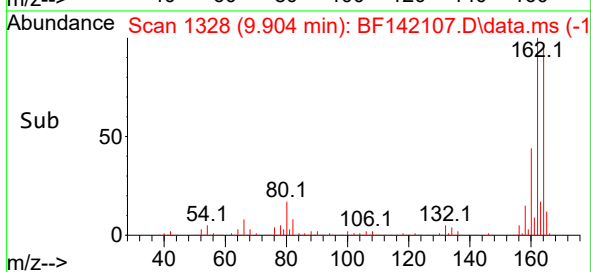
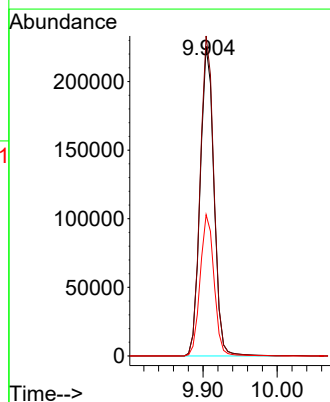
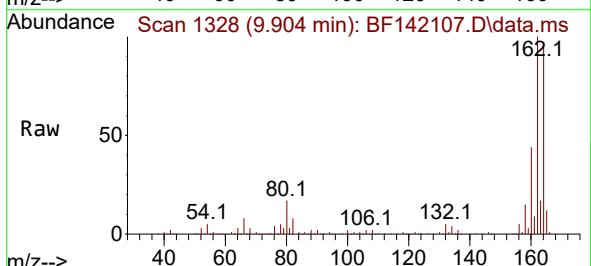
Instrument :
BNA_F
ClientSampleId :
WC-4

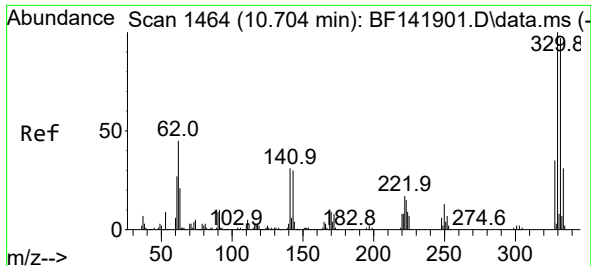
Tgt Ion: 82 Resp: 546226
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

Tgt Ion:164 Resp: 291328
Ion Ratio Lower Upper
164 100
162 103.3 81.8 122.6
160 45.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 93.556 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142107.D

Acq: 26 Mar 2025 20:08

Instrument :

BNA_F

ClientSampleId :

WC-4

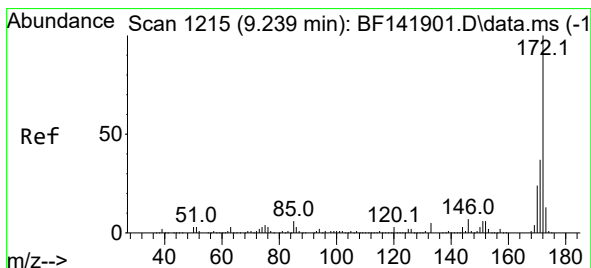
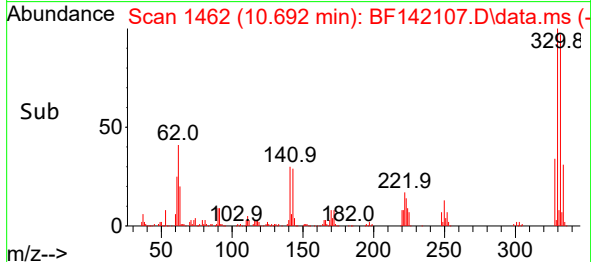
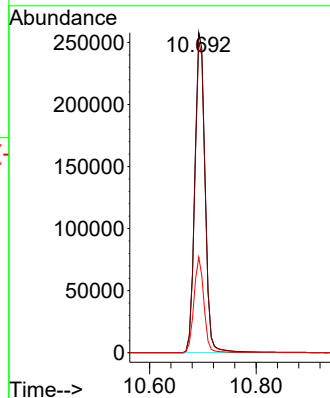
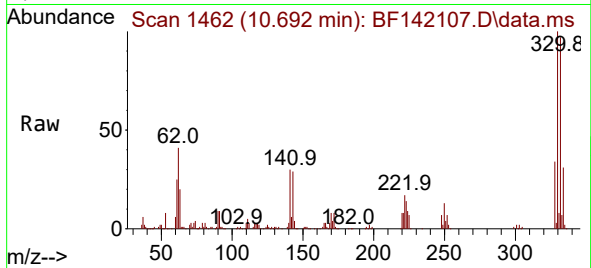
Tgt Ion:330 Resp: 345770

Ion Ratio Lower Upper

330 100

332 97.6 77.6 116.4

141 29.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 60.395 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142107.D

Acq: 26 Mar 2025 20:08

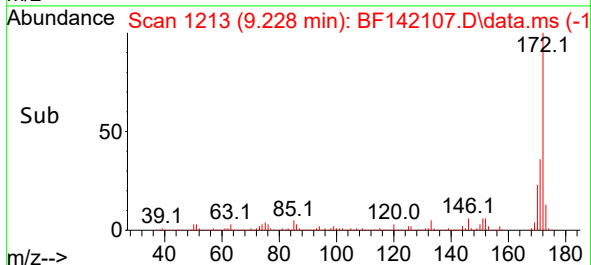
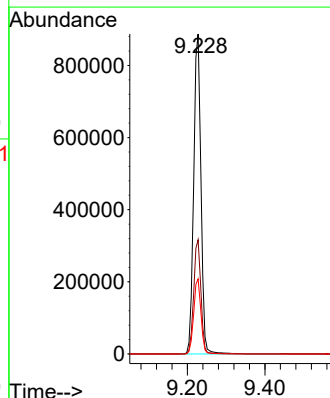
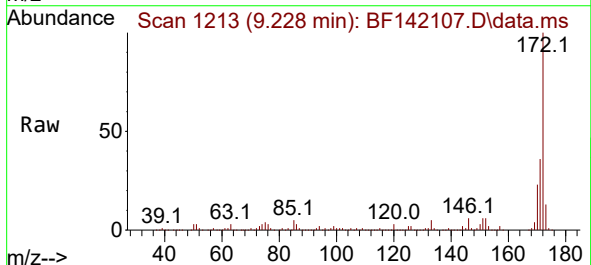
Tgt Ion:172 Resp: 1156924

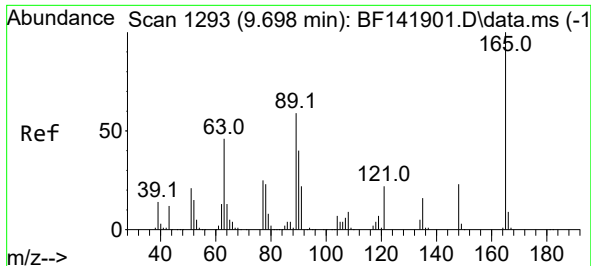
Ion Ratio Lower Upper

172 100

171 35.7 29.3 43.9

170 23.5 19.4 29.0

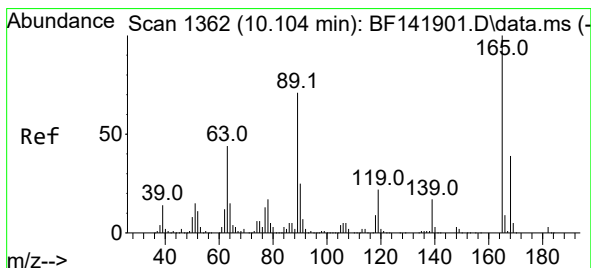
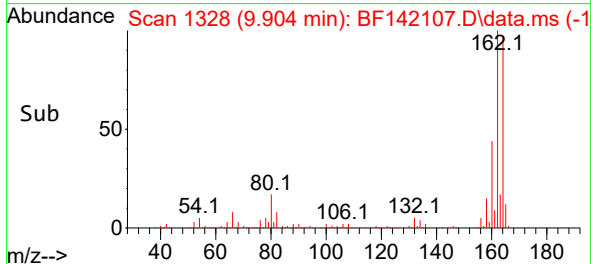
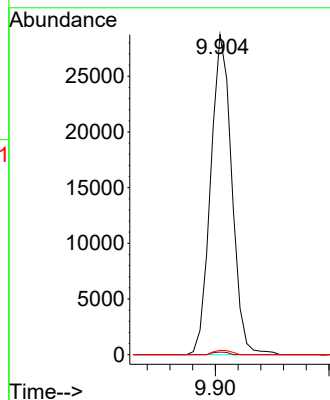
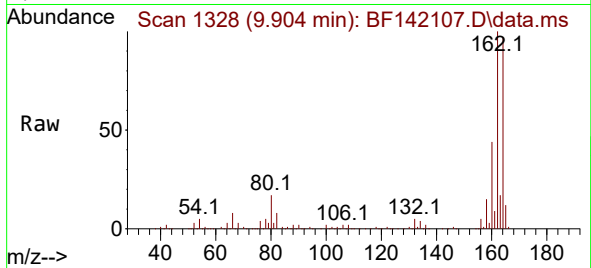




#51
2,6-Dinitrotoluene
Concen: 8.734 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

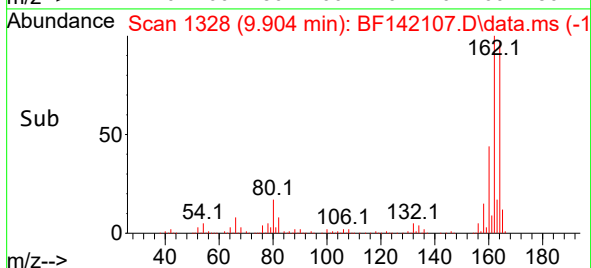
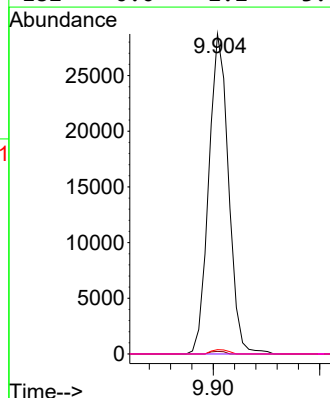
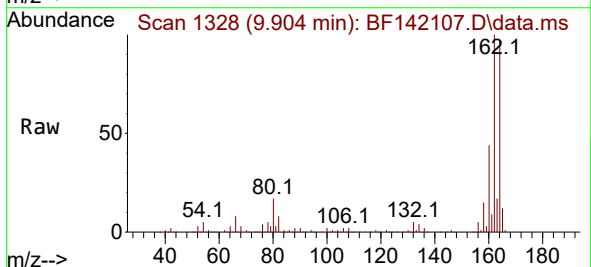
Instrument :
BNA_F
ClientSampleId :
WC-4

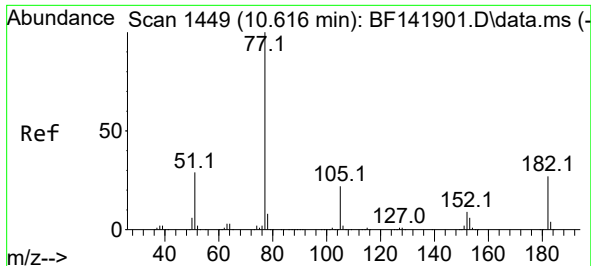
Tgt Ion:165 Resp: 37099
Ion Ratio Lower Upper
165 100
63 0.8 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.687 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

Tgt Ion:165 Resp: 37100
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#

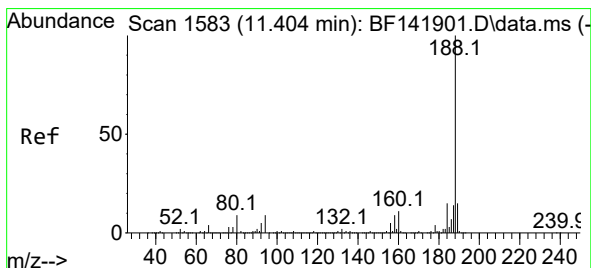
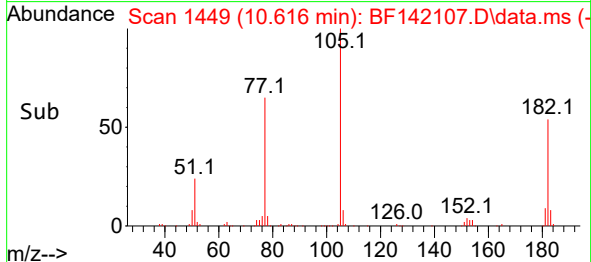
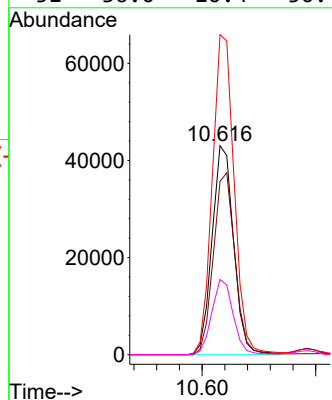
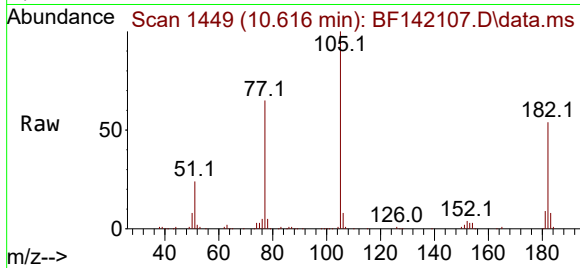




#63
Azobenzene
Concen: 3.009 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

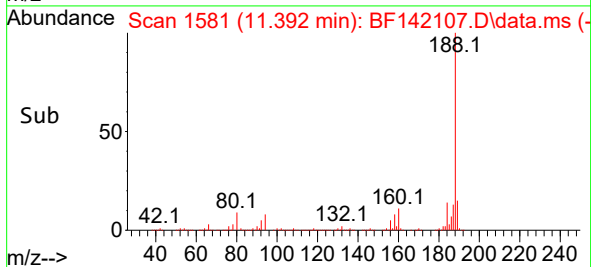
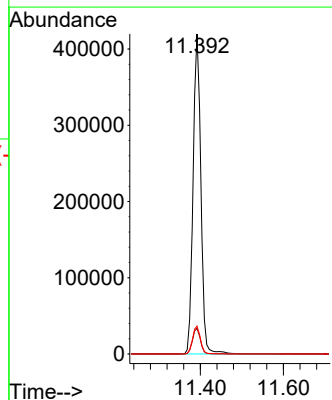
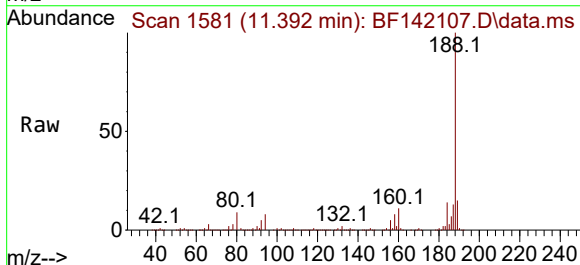
Instrument :
BNA_F
ClientSampleId :
WC-4

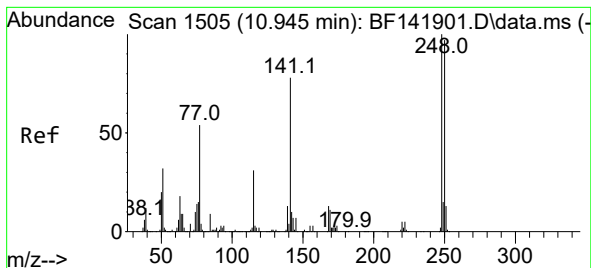
Tgt Ion: 77 Resp: 56910
Ion Ratio Lower Upper
77 100
182 82.9 6.6 46.6#
105 153.1 1.3 41.3#
51 36.0 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

Tgt Ion:188 Resp: 543729
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.7 7.6 11.4

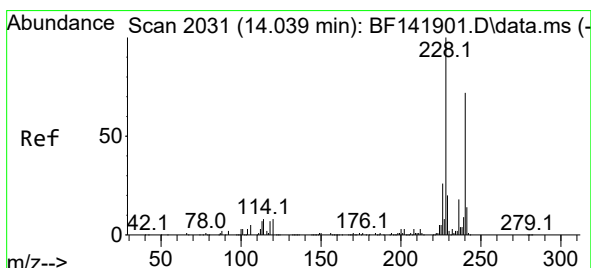
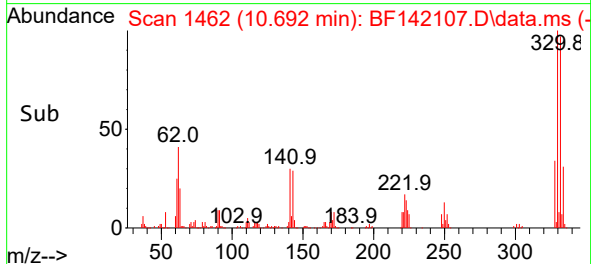
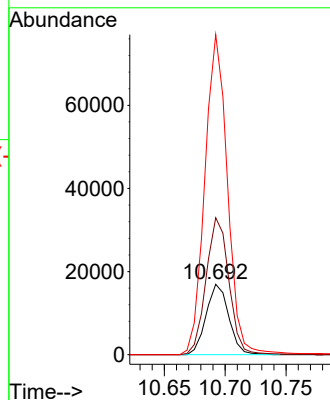
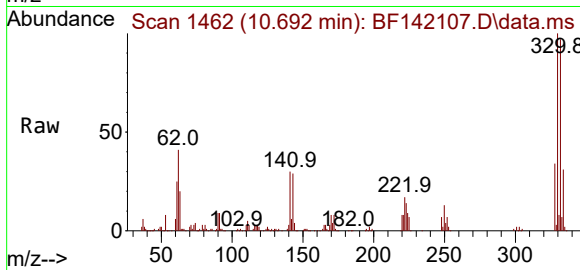




#67
4-Bromophenyl-phenylether
Concen: 3.222 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

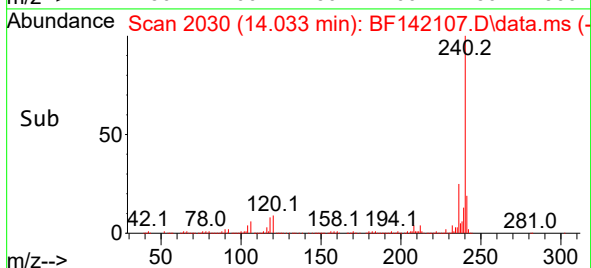
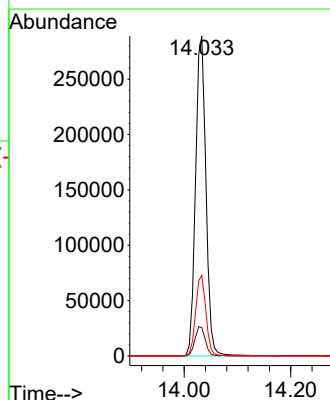
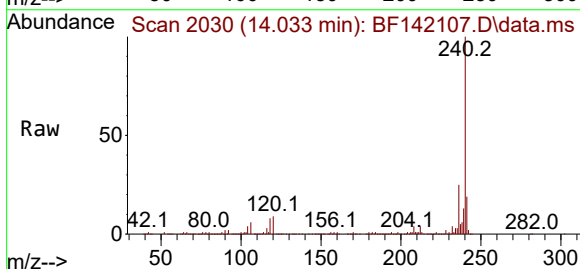
Instrument :
BNA_F
ClientSampleId :
WC-4

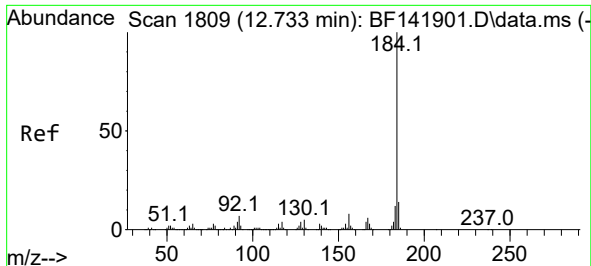
Tgt Ion:248 Resp: 21999
Ion Ratio Lower Upper
248 100
250 194.6 77.8 116.8#
141 454.4 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

Tgt Ion:240 Resp: 392729
Ion Ratio Lower Upper
240 100
120 8.9 8.4 12.6
236 25.1 20.5 30.7

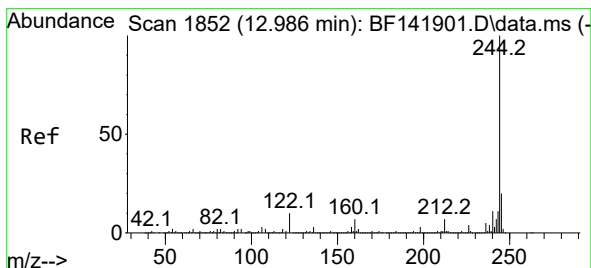
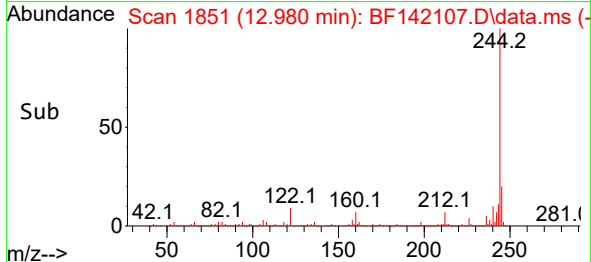
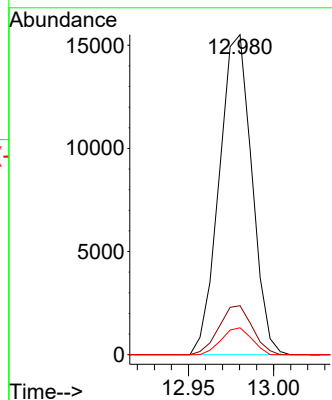
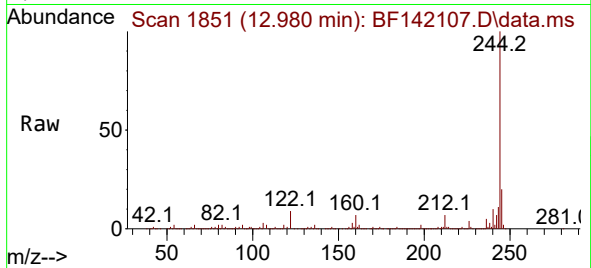




#77
Benzidine
Concen: 3.768 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

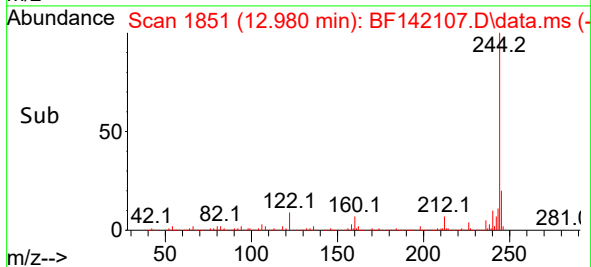
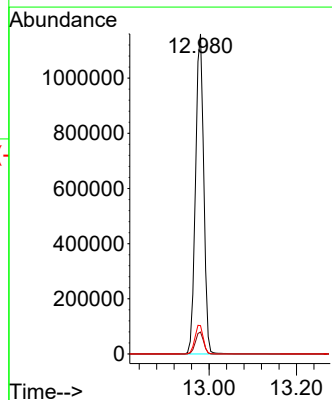
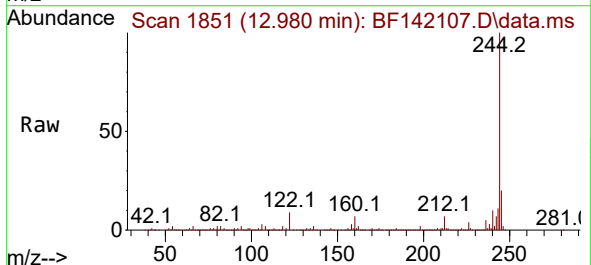
Instrument :
BNA_F
ClientSampleId :
WC-4

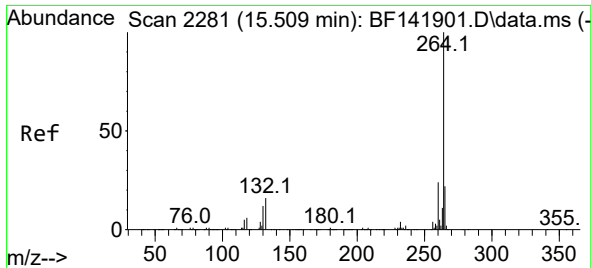
Tgt Ion:184 Resp: 20648
Ion Ratio Lower Upper
184 100
185 15.3 11.5 17.3
183 8.4 9.7 14.5#



#79
Terphenyl-d14
Concen: 56.923 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142107.D
Acq: 26 Mar 2025 20:08

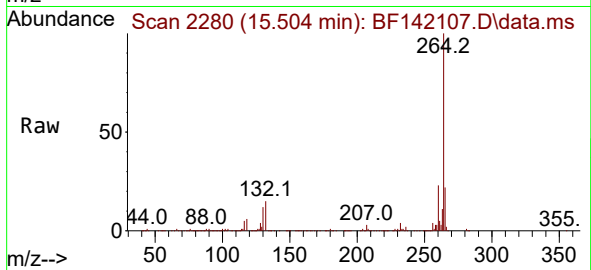
Tgt Ion:244 Resp: 1512085
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 8.8 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142107.D
 Acq: 26 Mar 2025 20:08

Instrument :
 BNA_F
 ClientSampleId :
 WC-4



Tgt Ion:264 Resp: 325980
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.1 28.7
 265 21.7 17.5 26.3

