

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143120.D
 Acq On : 16 Jul 2025 21:09
 Operator : RC/JU
 Sample : PB168847TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168847TB

Quant Time: Jul 17 03:45:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

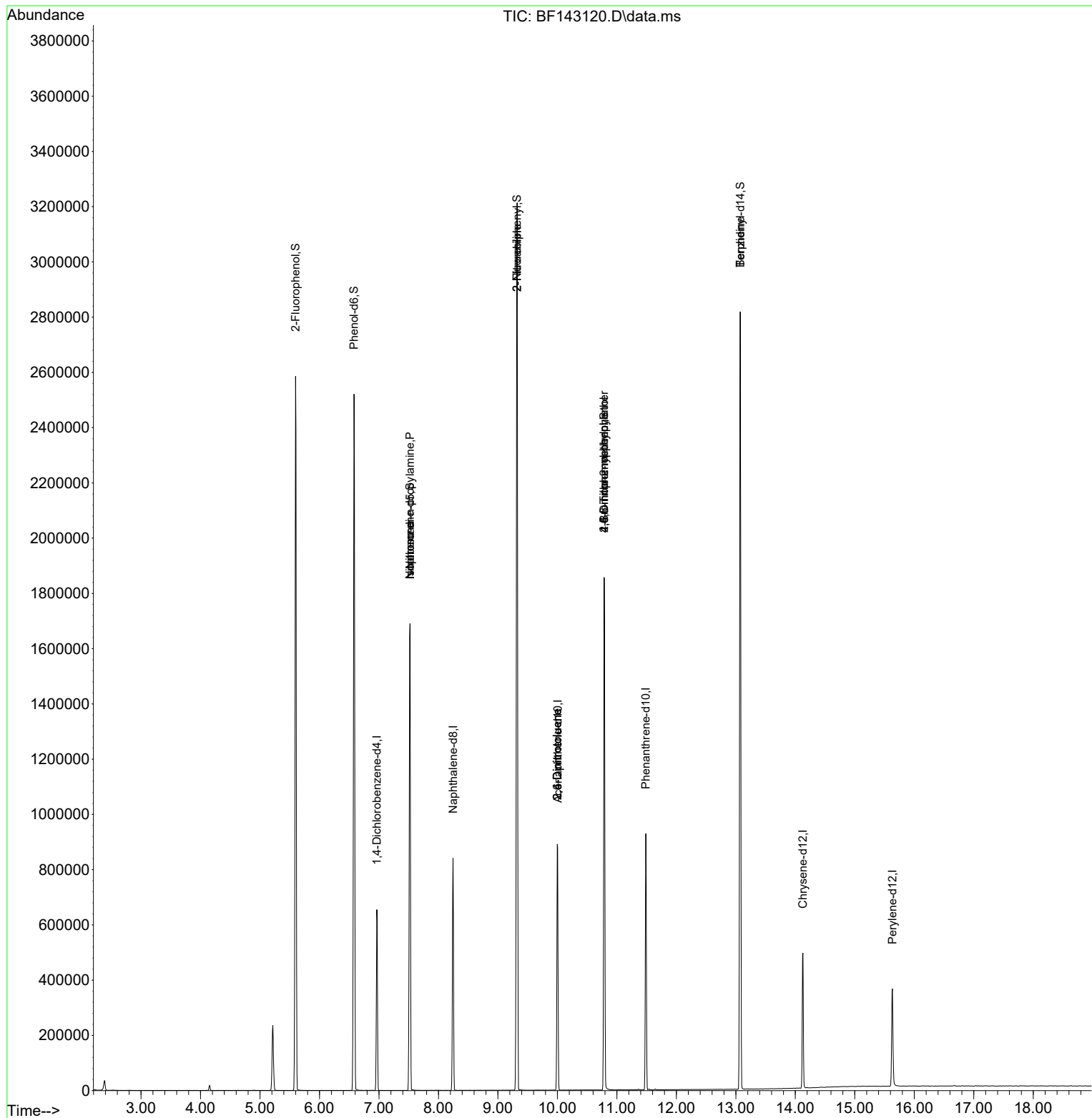
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	135526	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	521315	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	267383	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	451109	20.000	ng	0.00
76) Chrysene-d12	14.127	240	235930	20.000	ng	0.00
86) Perylene-d12	15.633	264	210500	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	985525	114.890	ng	0.01
7) Phenol-d6	6.581	99	1227503	113.842	ng	0.00
23) Nitrobenzene-d5	7.522	82	789663	84.975	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	320449	134.409	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1484404	73.796	ng	0.00
79) Terphenyl-d14	13.074	244	1360096	84.271	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	106695	16.152	ng	# 79
25) Isophorone	7.522	82	784878	43.697	ng	# 65
48) 2-Nitroaniline	9.322	65	2682	3.711	ng	# 1
51) 2,6-Dinitrotoluene	9.998	165	34749	12.641	ng	# 17
57) 2,4-Dinitrotoluene	9.998	165	34749	11.178	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	658	5.872	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	18791	3.663	ng	# 1
77) Benzidine	13.074	184	16901	2.103	ng	# 94

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

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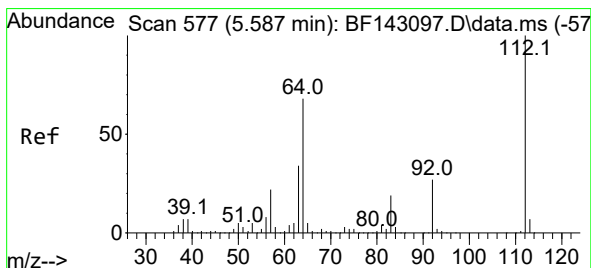
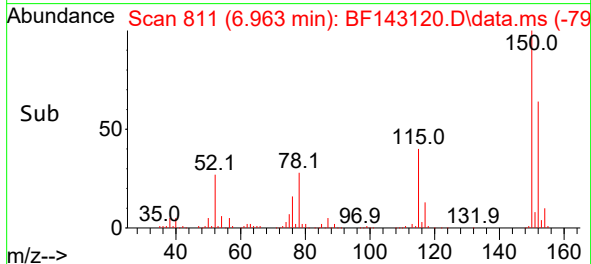
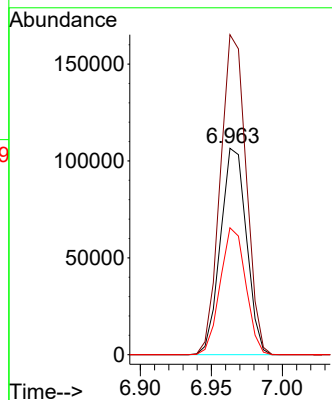
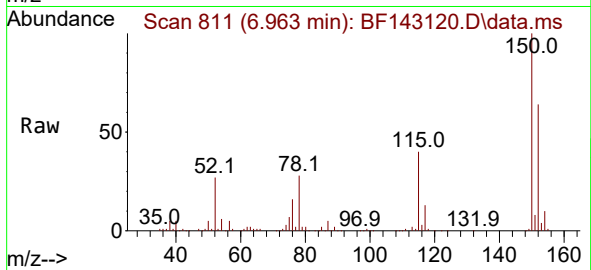




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

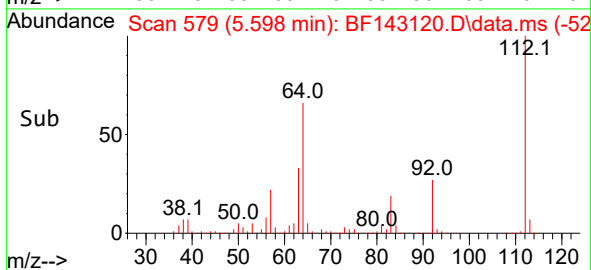
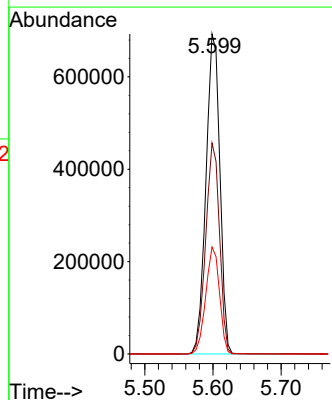
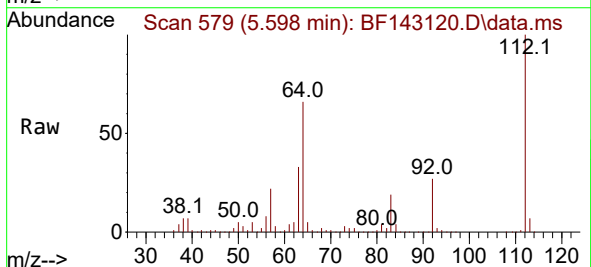
Instrument :
BNA_F
ClientSampleId :
PB168847TB

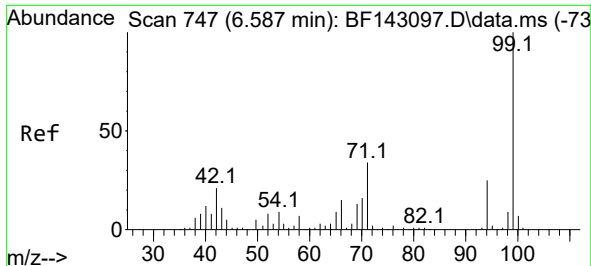
Tgt Ion:152 Resp: 135526
Ion Ratio Lower Upper
152 100
150 155.1 126.5 189.7
115 61.5 47.0 70.6



#5
2-Fluorophenol
Concen: 114.890 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:112 Resp: 985525
Ion Ratio Lower Upper
112 100
64 65.9 54.6 82.0
63 33.4 27.3 40.9

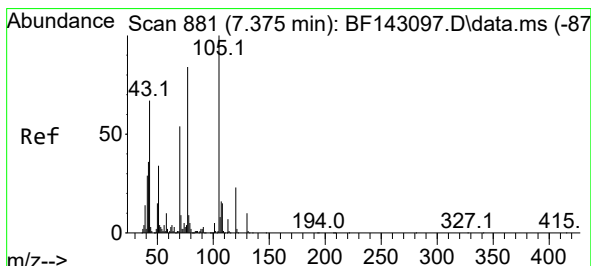
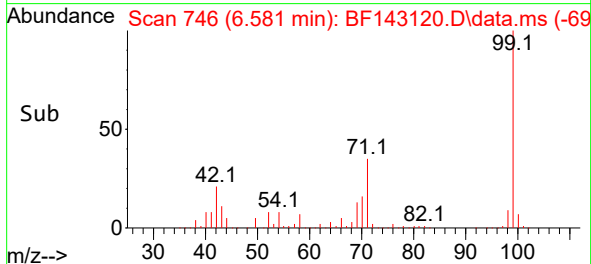
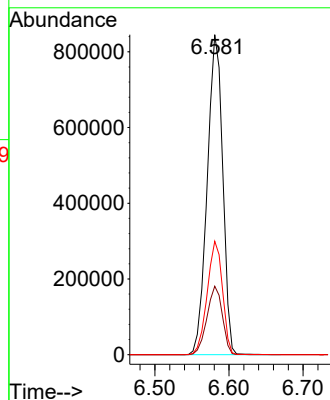
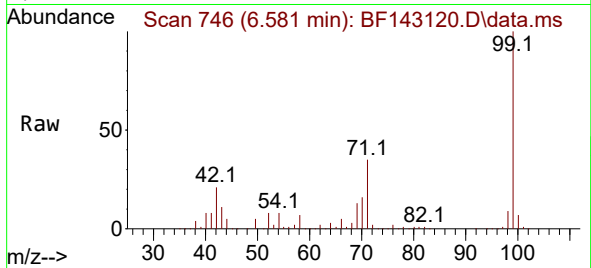




#7
Phenol-d6
Concen: 113.842 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

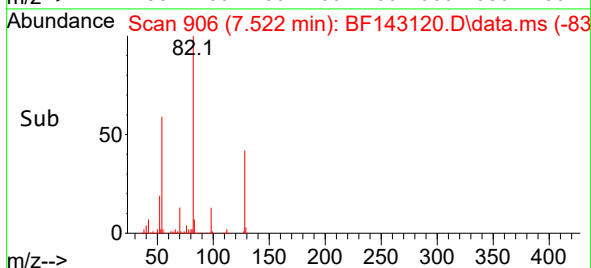
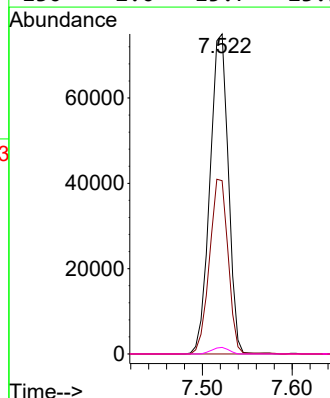
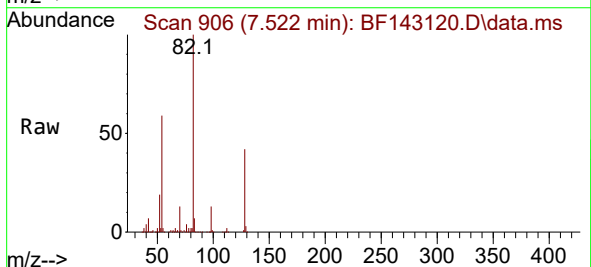
Instrument :
BNA_F
ClientSampleId :
PB168847TB

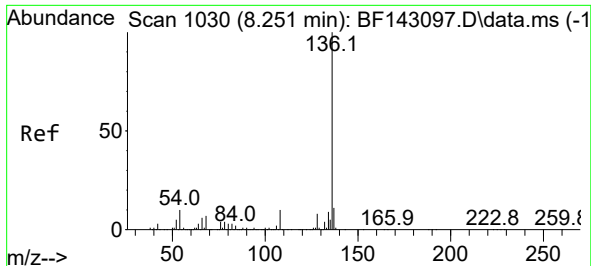
Tgt Ion: 99 Resp: 1227503
Ion Ratio Lower Upper
99 100
42 21.4 17.2 25.8
71 35.4 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.152 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion: 70 Resp: 106695
Ion Ratio Lower Upper
70 100
42 54.1 53.2 79.8
101 0.0 7.5 11.3#
130 2.0 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143120.D

Acq: 16 Jul 2025 21:09

Instrument :

BNA_F

ClientSampleId :

PB168847TB

Tgt Ion:136 Resp: 521315

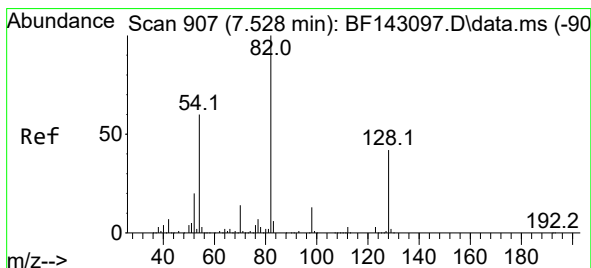
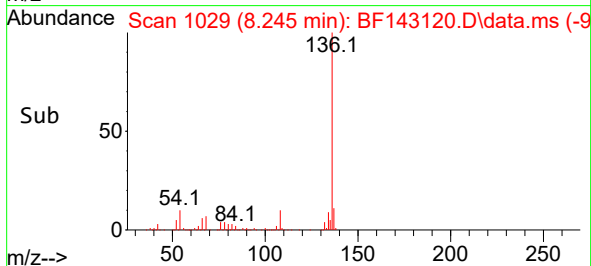
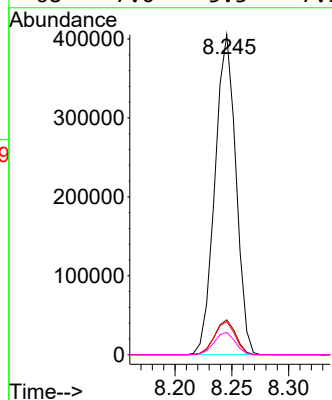
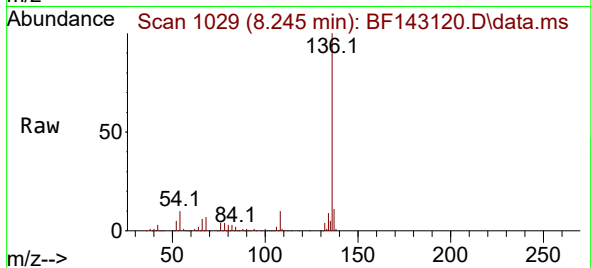
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 10.3 8.3 12.5

68 7.0 5.3 7.9



#23

Nitrobenzene-d5

Concen: 84.975 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143120.D

Acq: 16 Jul 2025 21:09

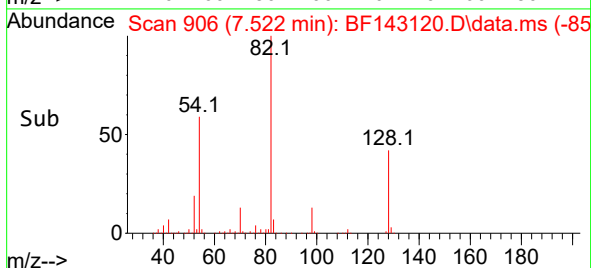
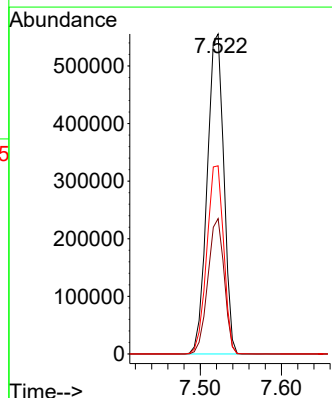
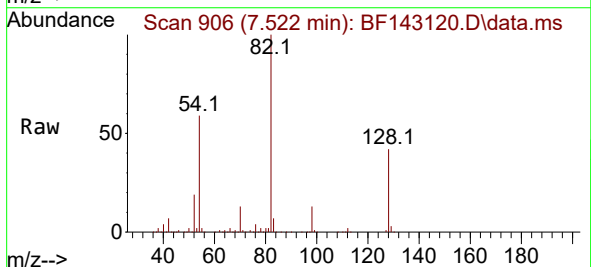
Tgt Ion: 82 Resp: 789663

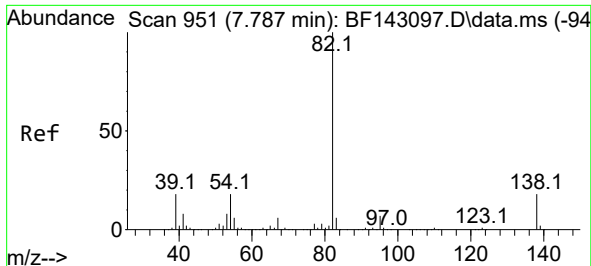
Ion Ratio Lower Upper

82 100

128 42.3 33.3 49.9

54 58.8 47.4 71.2

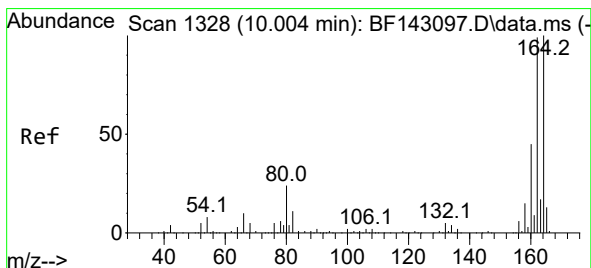
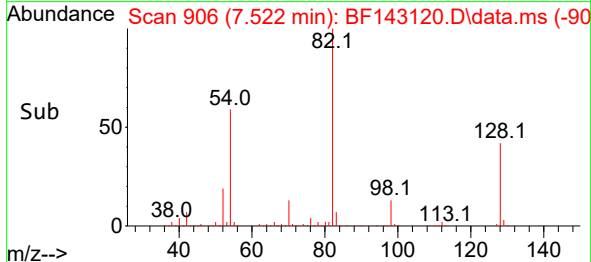
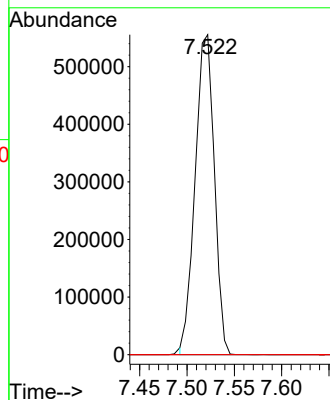
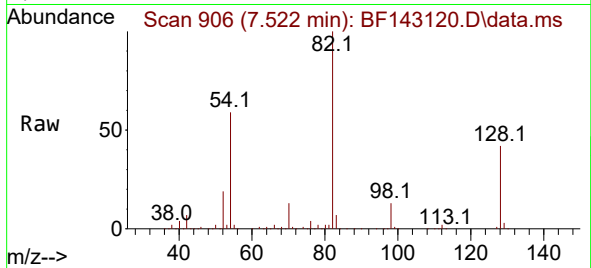




#25
Isophorone
Concen: 43.697 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.265 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

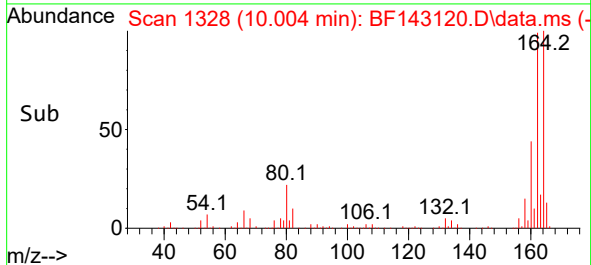
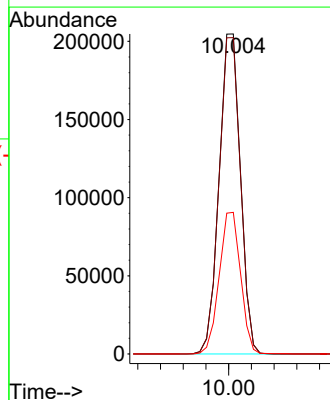
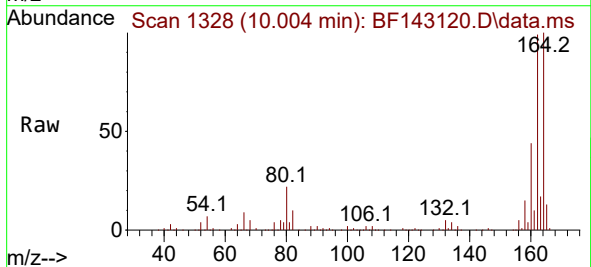
Instrument :
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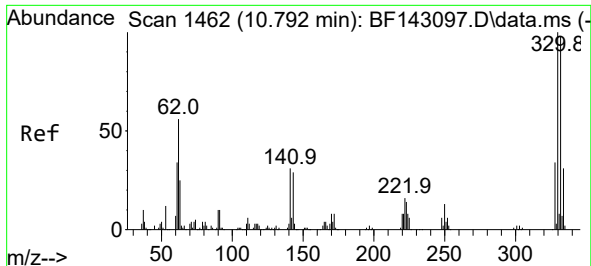
Tgt Ion: 82 Resp: 784878
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion: 164 Resp: 267383
Ion Ratio Lower Upper
164 100
162 98.8 79.0 118.6
160 44.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 134.409 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF143120.D

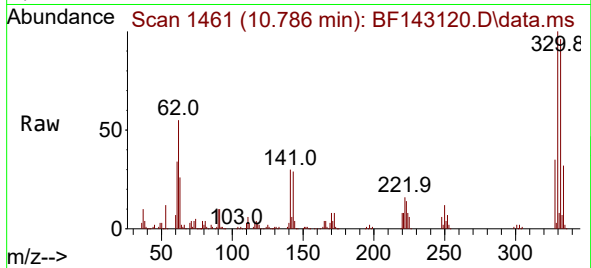
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Instrument :

BNA_F

ClientSampleId :

PB168847TB



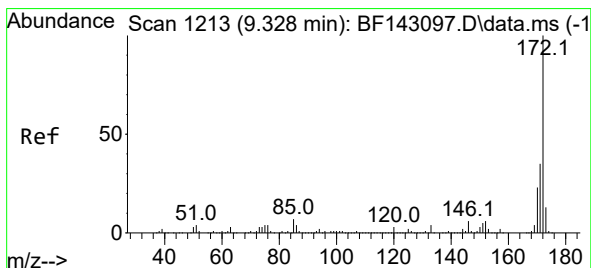
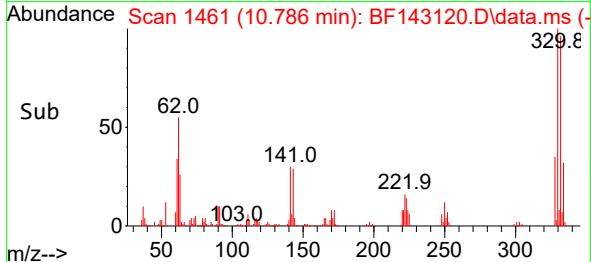
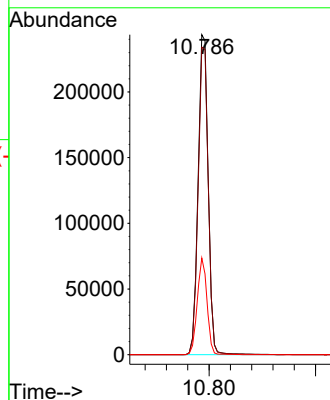
Tgt Ion:330 Resp: 320449

Ion Ratio Lower Upper

330 100

332 96.7 77.9 116.9

141 29.2 25.9 38.9



#45

2-Fluorobiphenyl

Concen: 73.796 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF143120.D

Acq: 16 Jul 2025 21:09

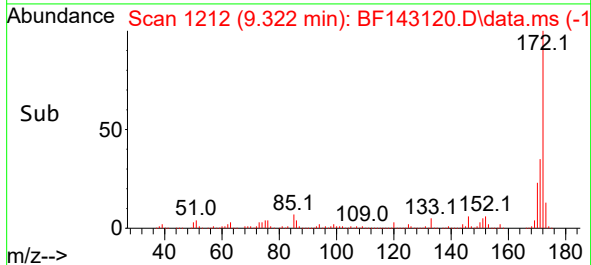
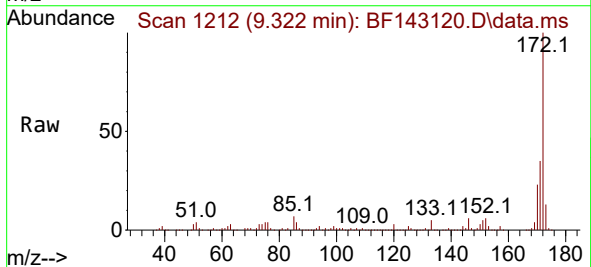
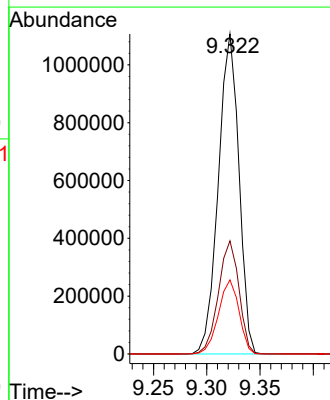
Tgt Ion:172 Resp: 1484404

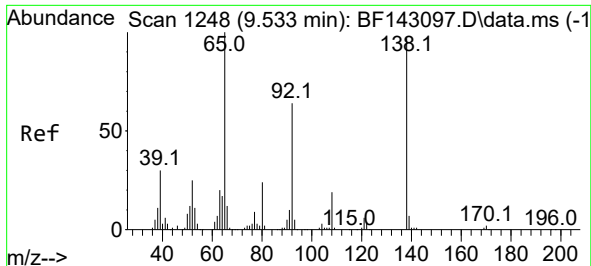
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.2 18.6 28.0

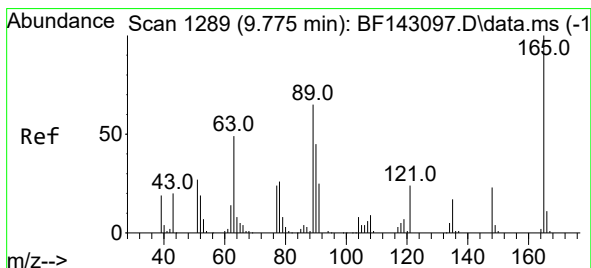
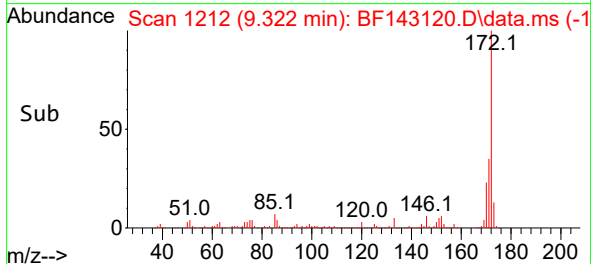
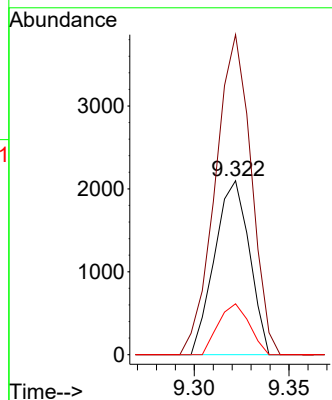
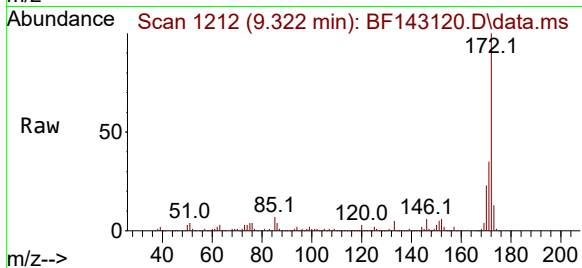




#48
2-Nitroaniline
Concen: 3.711 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.211 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

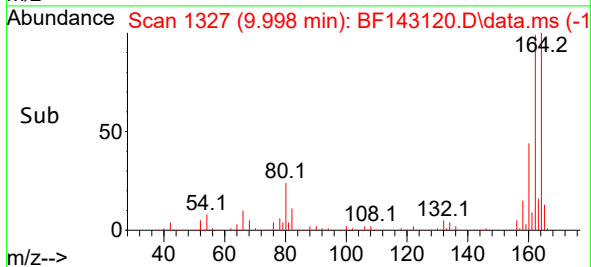
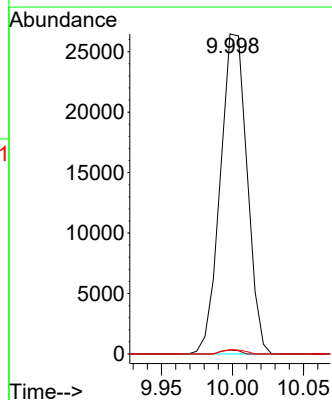
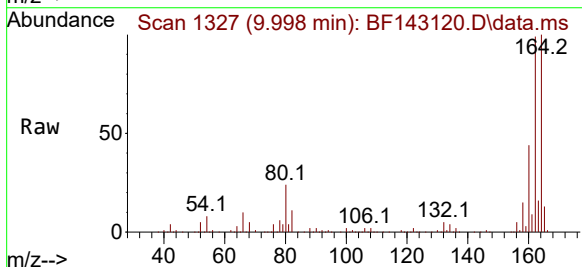
Instrument :
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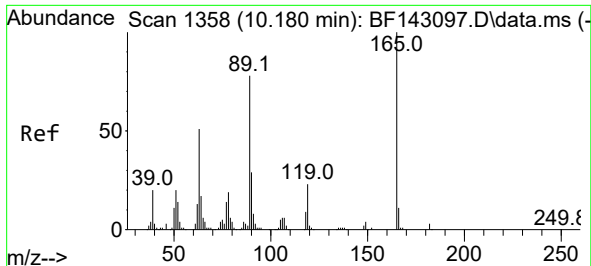
Tgt Ion: 65 Resp: 2682
Ion Ratio Lower Upper
65 100
92 184.1 51.3 76.9#
138 29.2 77.8 116.6#



#51
2,6-Dinitrotoluene
Concen: 12.641 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.223 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion: 165 Resp: 34749
Ion Ratio Lower Upper
165 100
63 1.2 57.4 86.0#
89 1.3 51.8 77.8#

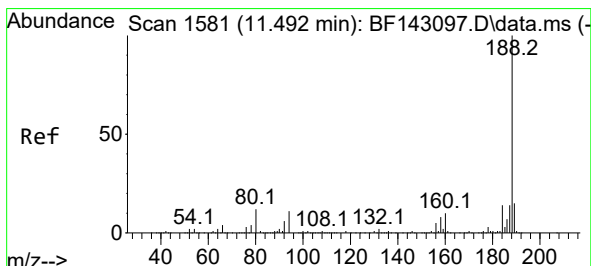
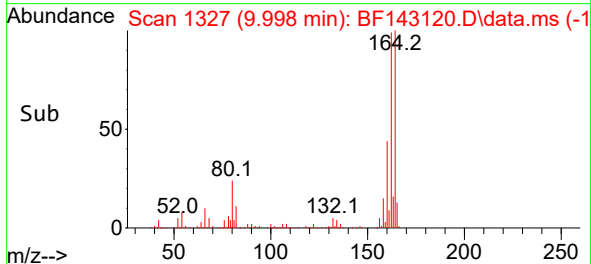
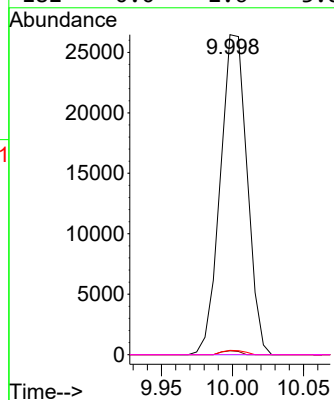
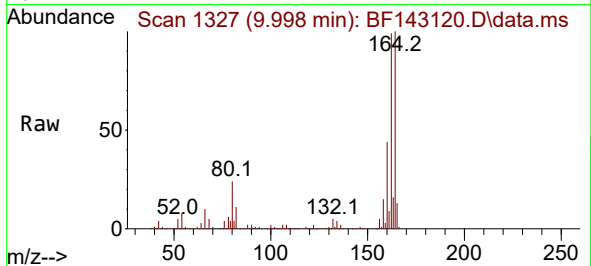




#57
2,4-Dinitrotoluene
Concen: 11.178 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

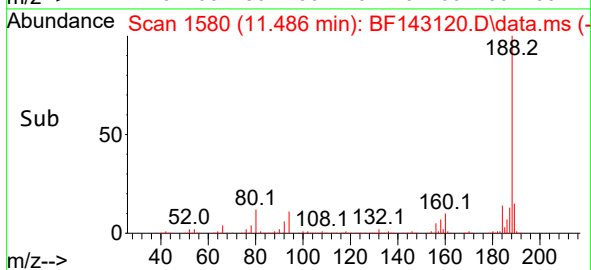
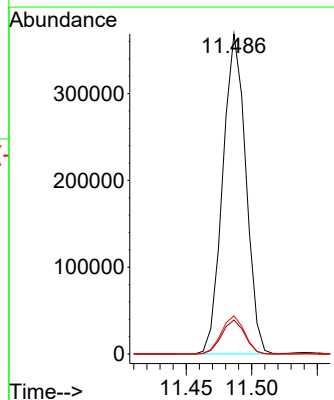
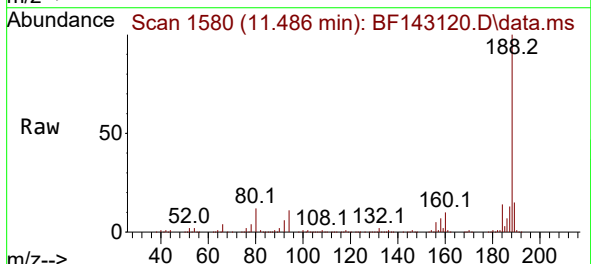
Instrument :
BNA_F
ClientSampleId :
PB168847TB

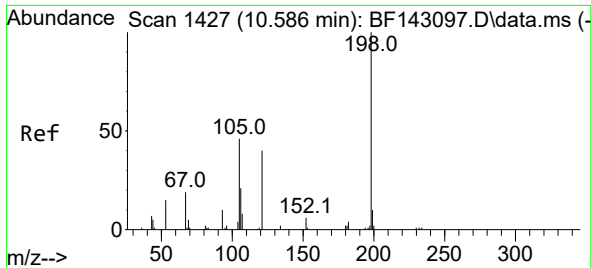
Tgt Ion:165 Resp: 34749
Ion Ratio Lower Upper
165 100
63 1.2 40.6 61.0#
89 1.3 62.3 93.5#
182 0.0 2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:188 Resp: 451109
Ion Ratio Lower Upper
188 100
94 10.6 8.6 13.0
80 11.9 9.3 13.9

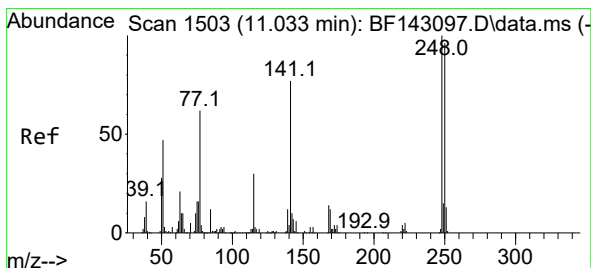
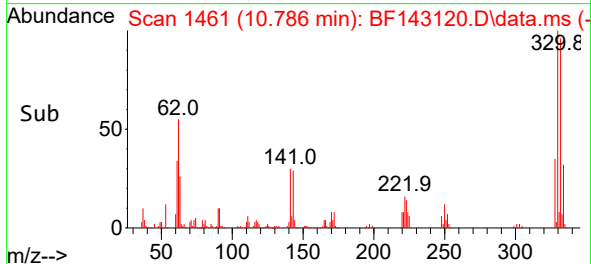
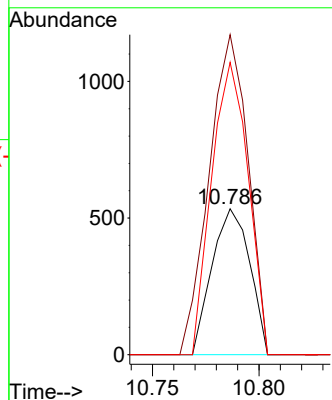
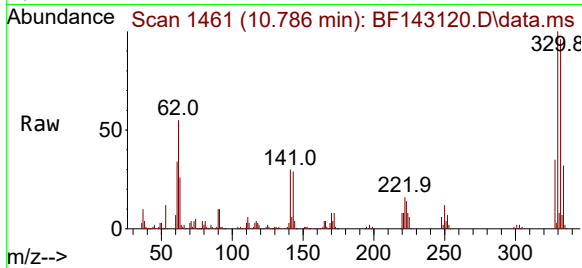




#65
4,6-Dinitro-2-methylphenol
Concen: 5.872 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

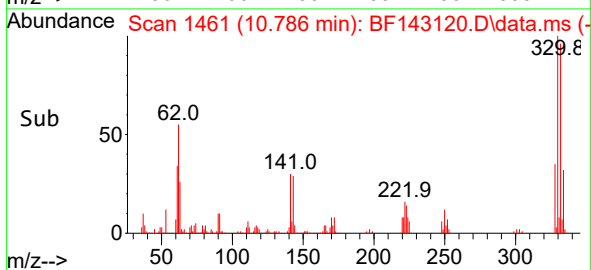
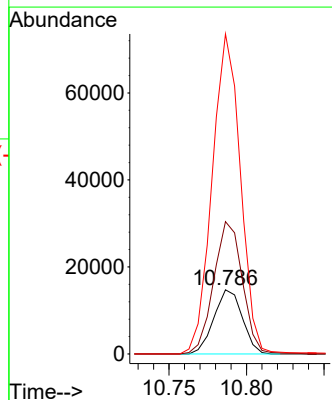
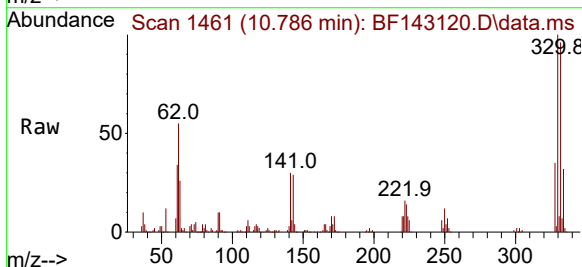
Instrument :
BNA_F
ClientSampleId :
PB168847TB

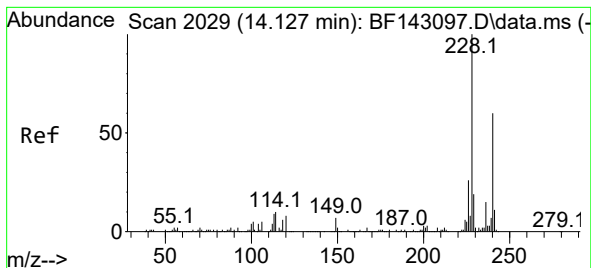
Tgt Ion:198 Resp: 658
Ion Ratio Lower Upper
198 100
51 219.3 44.6 84.6#
105 200.4 29.3 69.3#



#67
4-Bromophenyl-phenylether
Concen: 3.663 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:248 Resp: 18791
Ion Ratio Lower Upper
248 100
250 206.5 76.7 115.1#
141 499.2 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143120.D

Acq: 16 Jul 2025 21:09

Instrument :

BNA_F

ClientSampleId :

PB168847TB

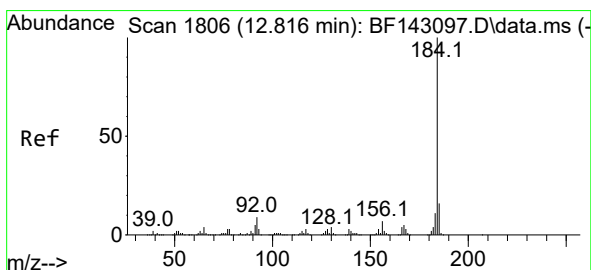
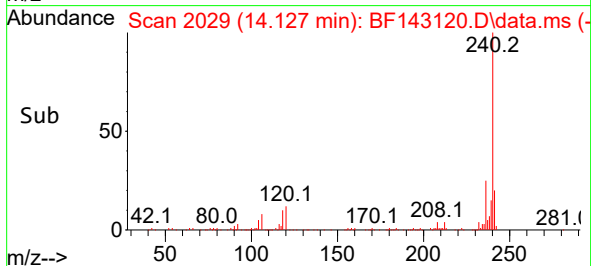
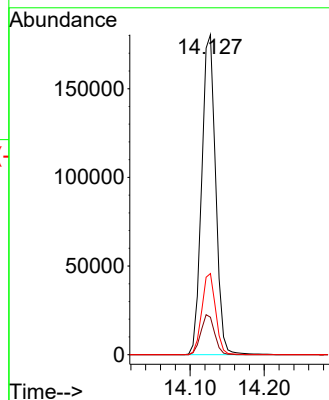
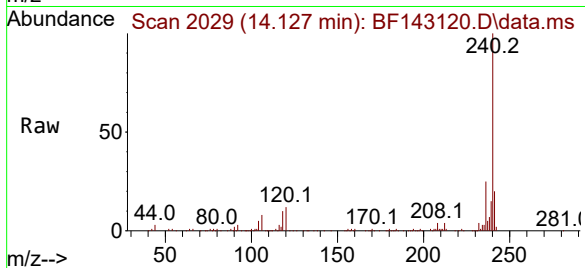
Tgt Ion:240 Resp: 235930

Ion Ratio Lower Upper

240 100

120 11.7 10.0 15.0

236 25.4 20.0 30.0



#77

Benzidine

Concen: 2.103 ng

RT: 13.074 min Scan# 1850

Delta R.T. 0.259 min

Lab File: BF143120.D

Acq: 16 Jul 2025 21:09

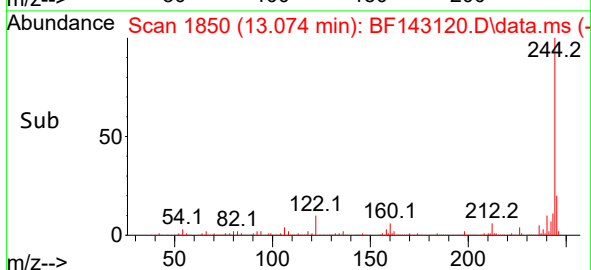
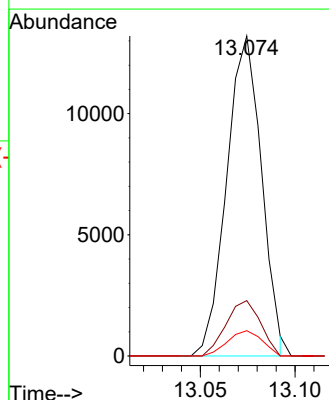
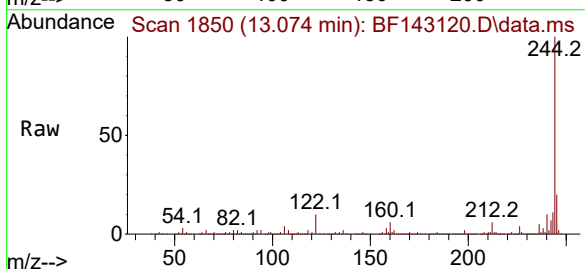
Tgt Ion:184 Resp: 16901

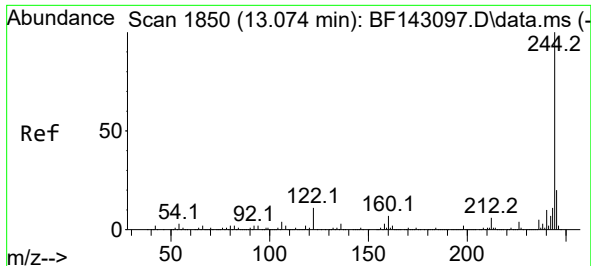
Ion Ratio Lower Upper

184 100

185 17.3 12.4 18.6

183 7.9 8.6 12.8#

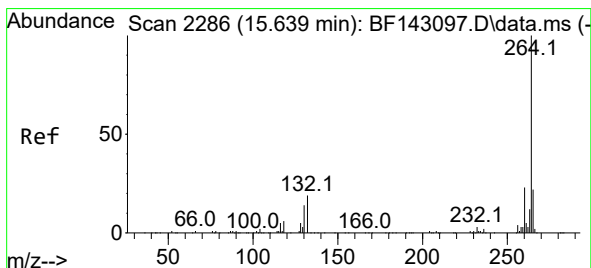
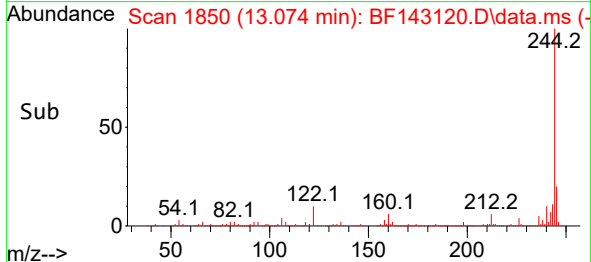
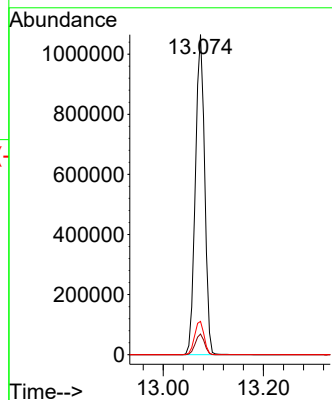
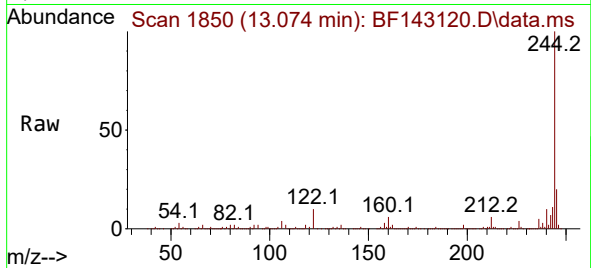




#79
 Terphenyl-d14
 Concen: 84.271 ng
 RT: 13.074 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: BF143120.D
 Acq: 16 Jul 2025 21:09

Instrument :
 BNA_F
 ClientSampleId :
 PB168847TB

Tgt Ion:244 Resp: 1360096
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.4 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 2285
 Delta R.T. -0.006 min
 Lab File: BF143120.D
 Acq: 16 Jul 2025 21:09

Tgt Ion:264 Resp: 210500
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.5 27.7
 265 21.1 17.5 26.3

