

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143129.D
 Acq On : 17 Jul 2025 01:35
 Operator : RC/JU
 Sample : Q2605-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V897

Quant Time: Jul 17 03:48:28 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)

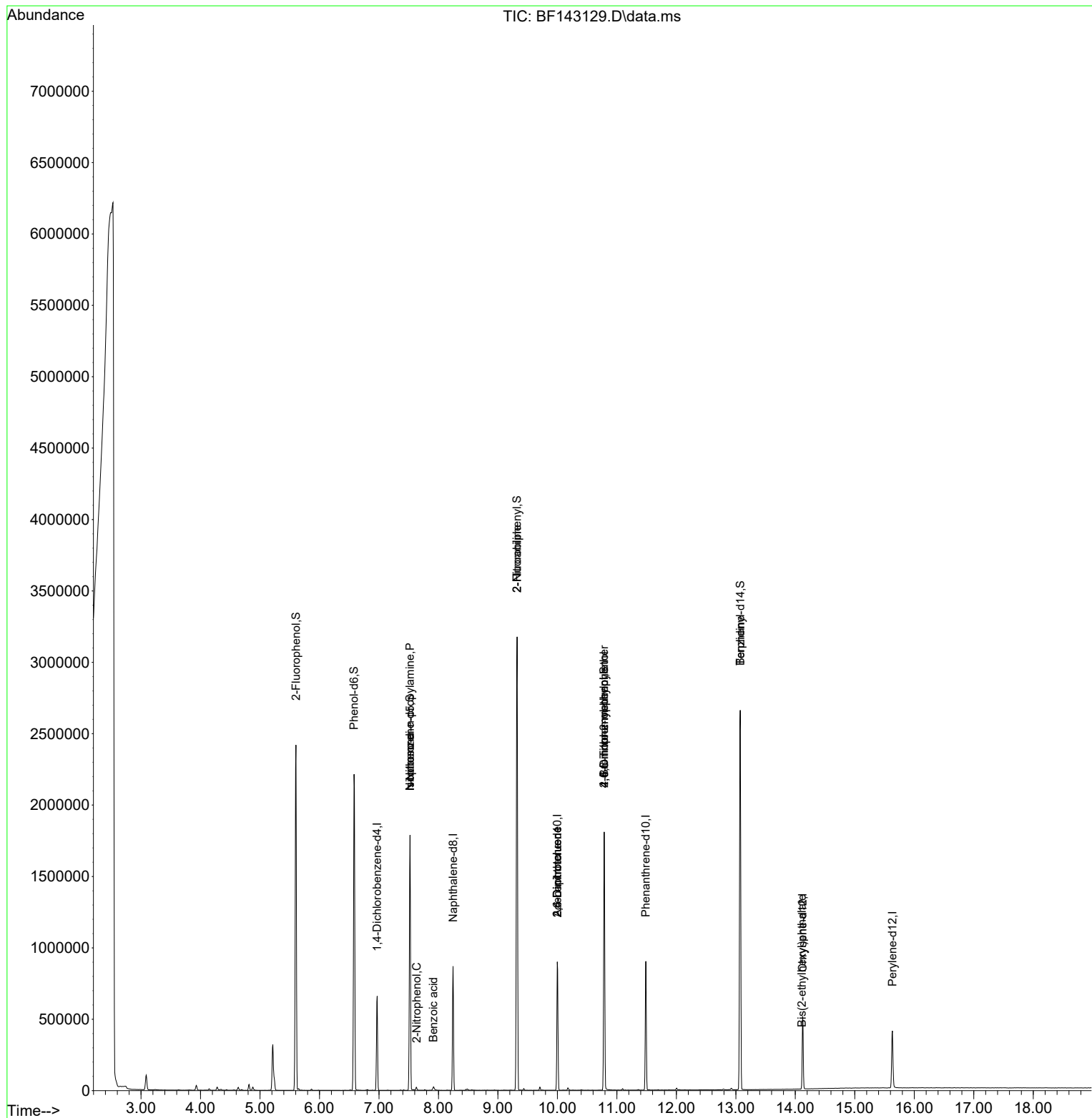
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	135648	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	514412	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	261609	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	440067	20.000	ng	0.00
76) Chrysene-d12	14.122	240	243115	20.000	ng	0.00
86) Perylene-d12	15.633	264	236345	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	913259	106.370	ng	0.02
7) Phenol-d6	6.581	99	1076388	99.738	ng	0.00
23) Nitrobenzene-d5	7.522	82	769441	83.910	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	303435	130.082	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1424078	72.360	ng	0.00
79) Terphenyl-d14	13.075	244	1321267	79.446	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.522	70	104783	15.848	ng	# 79
25) Isophorone	7.522	82	767879	43.324	ng	# 65
26) 2-Nitrophenol	7.634	139	138	3.966	ng	# 32
32) Benzoic acid	7.916	122	7560	8.115	ng	# 97
48) 2-Nitroaniline	9.322	65	2918	3.771	ng	# 1
51) 2,6-Dinitrotoluene	9.998	165	33242	12.422	ng	# 17
57) 2,4-Dinitrotoluene	9.998	165	33242	11.005	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	608	5.850	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	18857	3.768	ng	# 1
77) Benzidine	13.075	184	16668	2.012	ng	# 95
84) Bis(2-ethylhexyl)phtha...	14.110	149	221	3.441	ng	# 53

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

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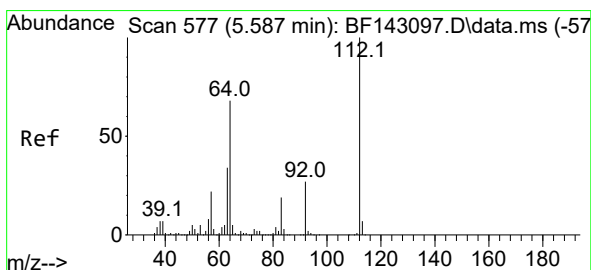
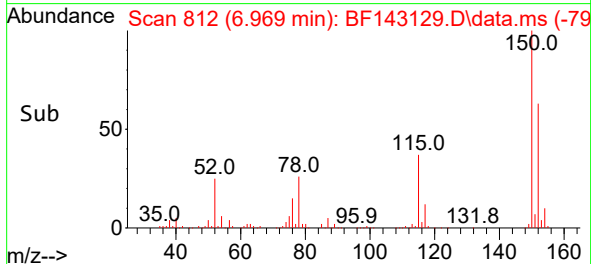
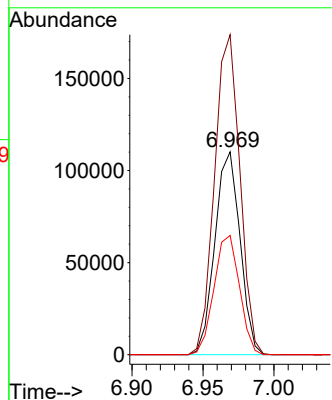
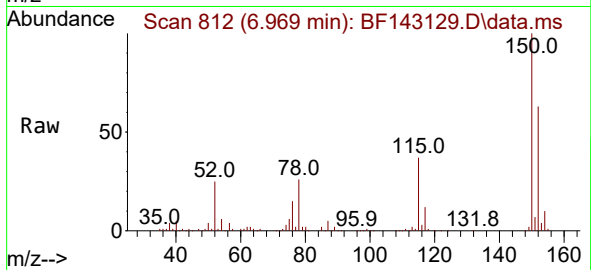




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

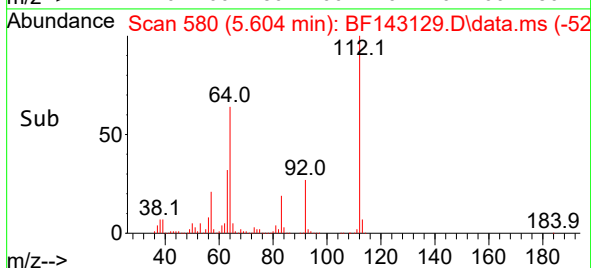
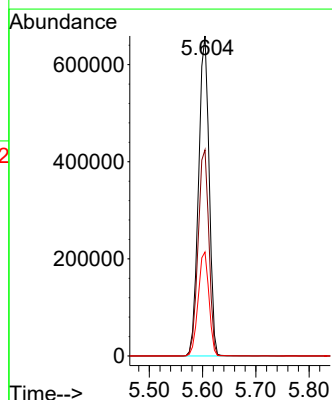
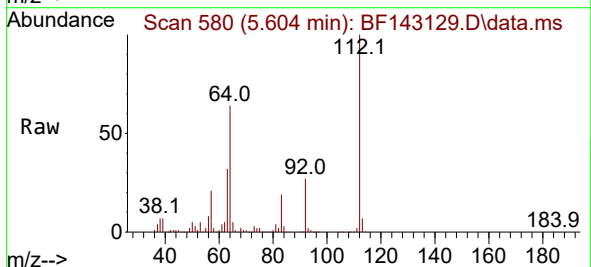
Instrument :
BNA_F
ClientSampleId :
V897

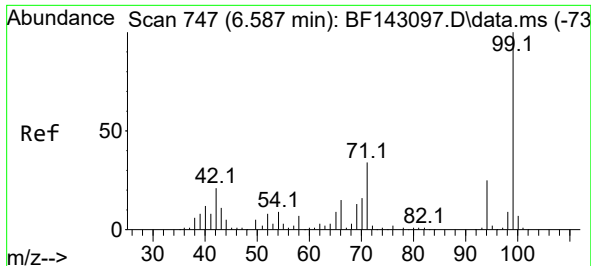
Tgt Ion:152 Resp: 135648
Ion Ratio Lower Upper
152 100
150 157.7 126.5 189.7
115 58.7 47.0 70.6



#5
2-Fluorophenol
Concen: 106.370 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

Tgt Ion:112 Resp: 913259
Ion Ratio Lower Upper
112 100
64 64.4 54.6 82.0
63 32.5 27.3 40.9

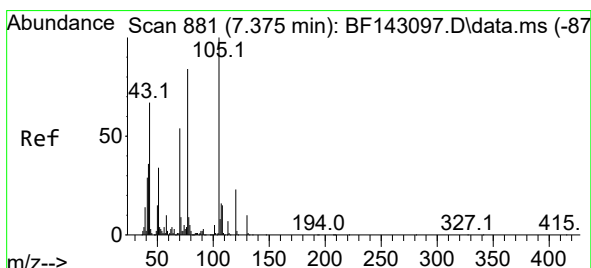
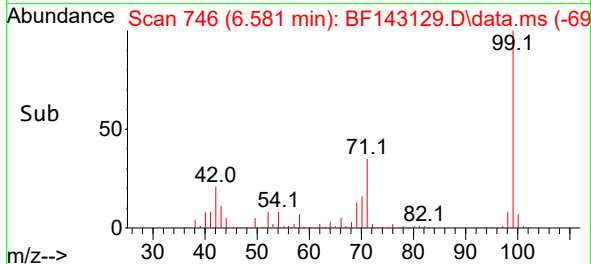
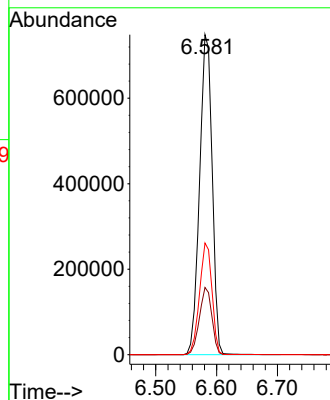
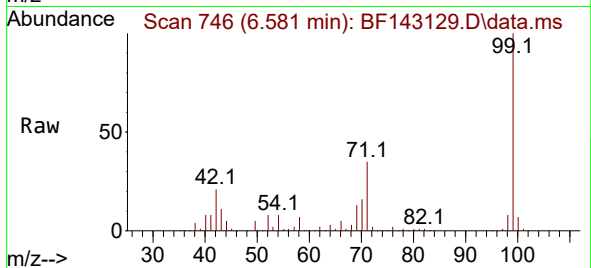




#7
Phenol-d6
Concen: 99.738 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

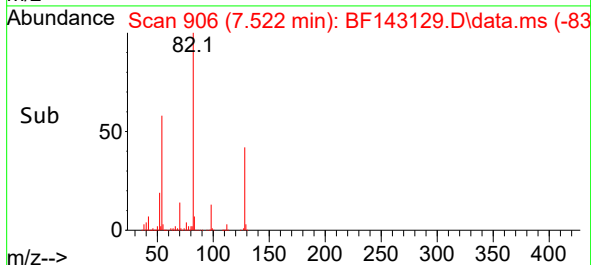
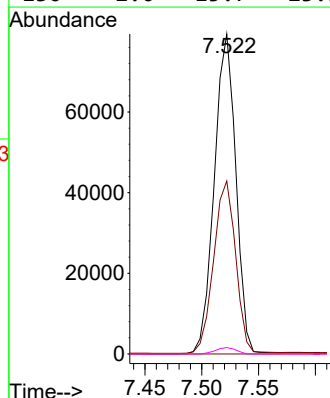
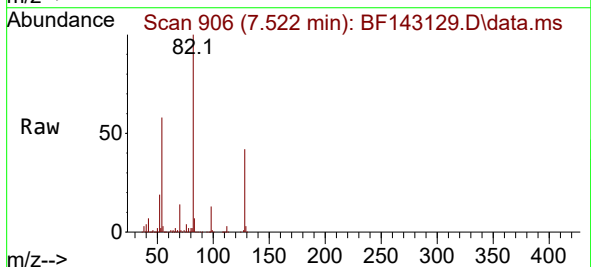
Instrument :
BNA_F
ClientSampleId :
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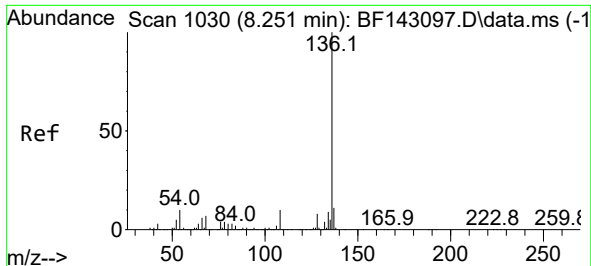
Tgt Ion: 99 Resp: 1076388
Ion Ratio Lower Upper
99 100
42 21.0 17.2 25.8
71 34.9 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.848 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

Tgt Ion: 70 Resp: 104783
Ion Ratio Lower Upper
70 100
42 54.0 53.2 79.8
101 0.0 7.5 11.3#
130 2.0 15.7 23.5#

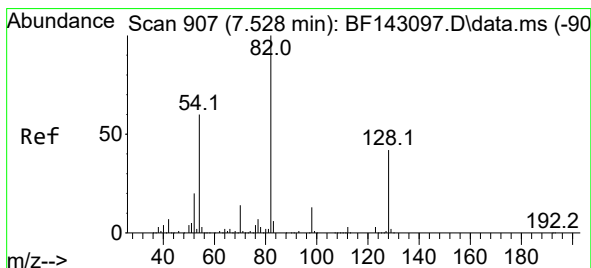
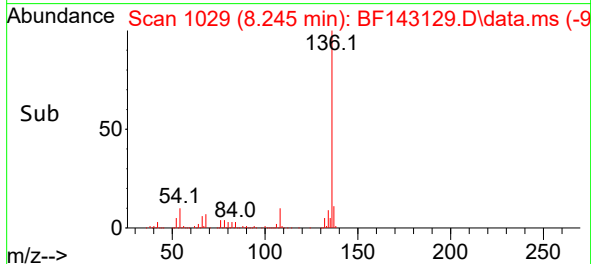
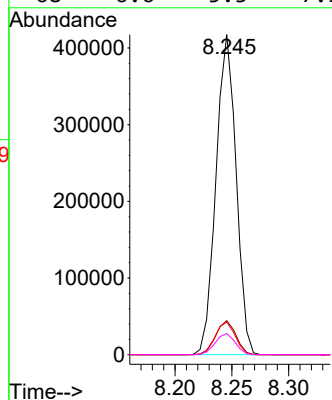
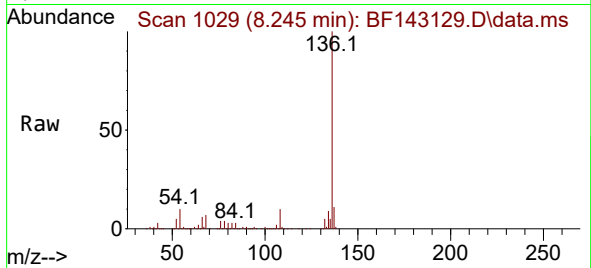




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

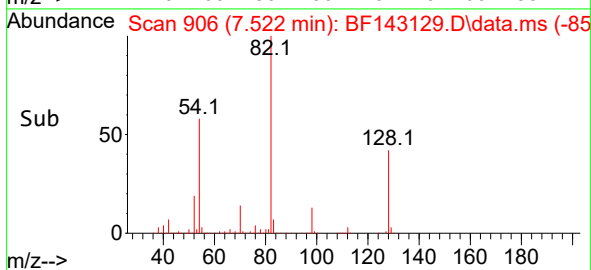
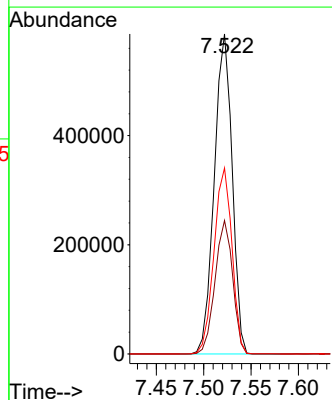
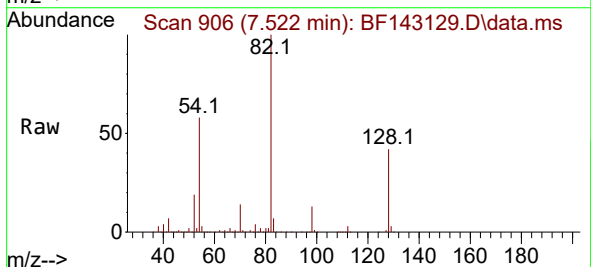
Instrument :
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ClientSampleId :
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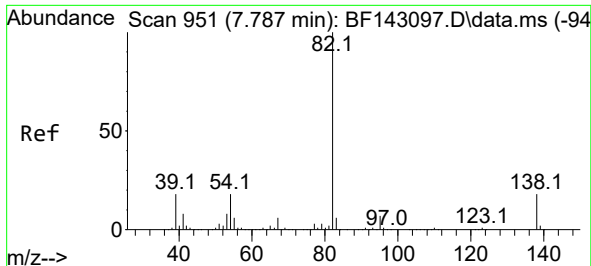
Tgt Ion:	136	Resp:	514412
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	10.2	8.3	12.5
68	6.6	5.3	7.9



#23
Nitrobenzene-d5
Concen: 83.910 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

Tgt Ion:	82	Resp:	769441
Ion Ratio	Lower	Upper	
82	100		
128	41.7	33.3	49.9
54	58.1	47.4	71.2

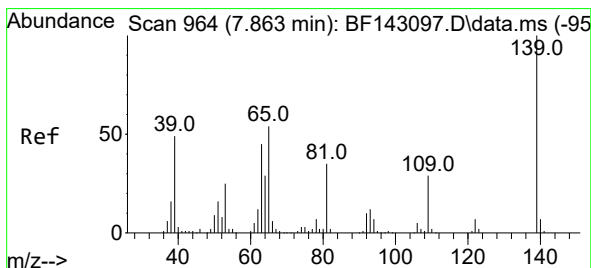
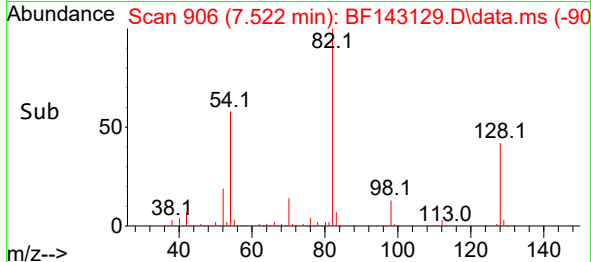
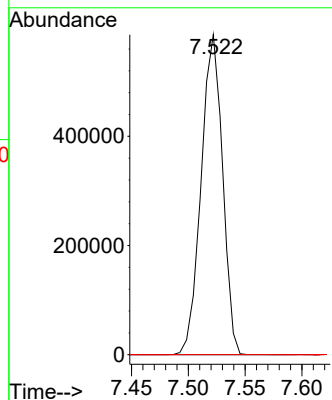
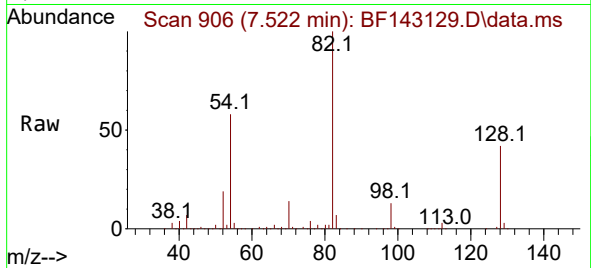




#25
Isophorone
Concen: 43.324 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

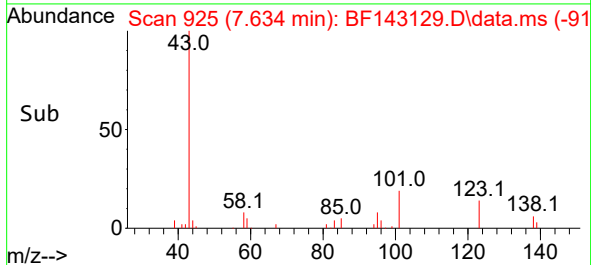
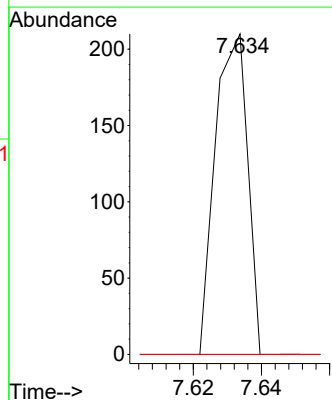
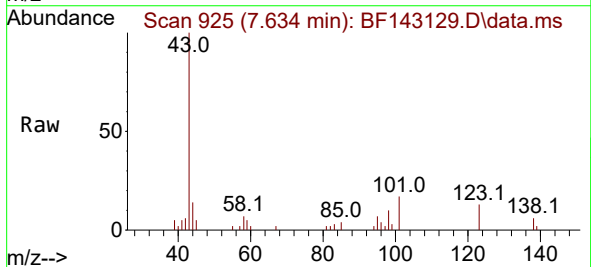
Instrument :
BNA_F
ClientSampleId :
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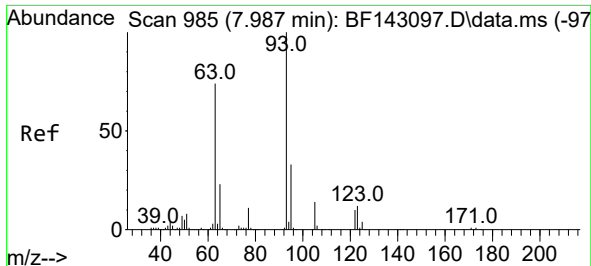
Tgt Ion: 82 Resp: 767879
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#26
2-Nitrophenol
Concen: 3.966 ng
RT: 7.634 min Scan# 925
Delta R.T. -0.229 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

Tgt Ion:139 Resp: 138
Ion Ratio Lower Upper
139 100
109 0.0 23.4 35.0#
65 0.0 43.4 65.2#

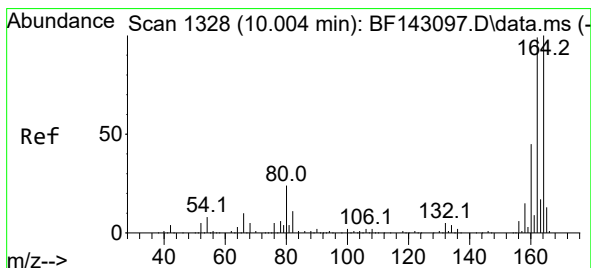
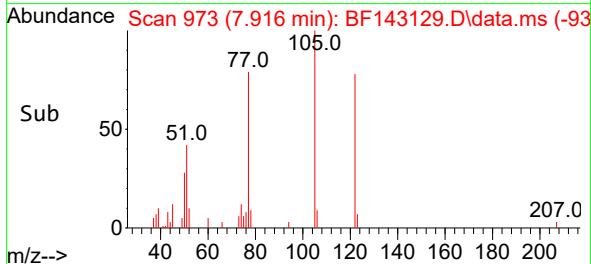
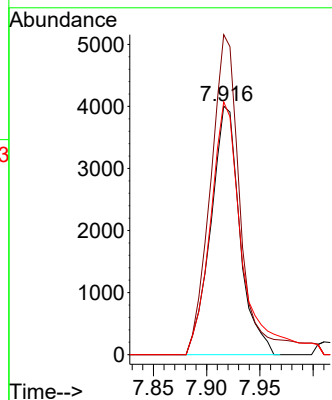
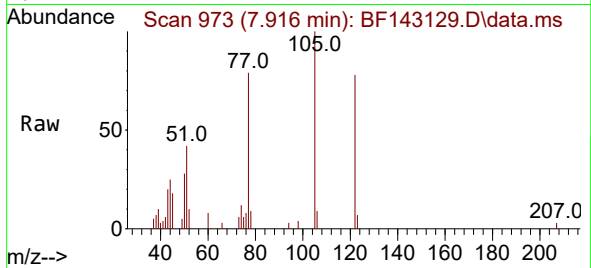




#32
Benzoic acid
Concen: 8.115 ng
RT: 7.916 min Scan# 91
Delta R.T. -0.071 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

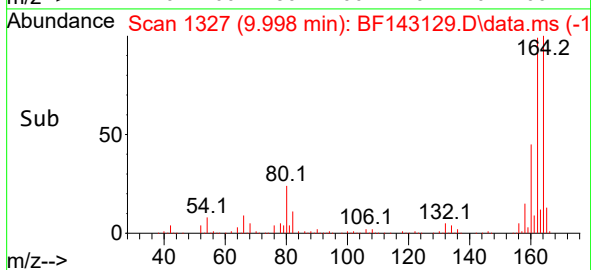
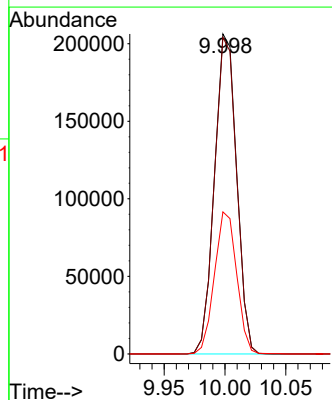
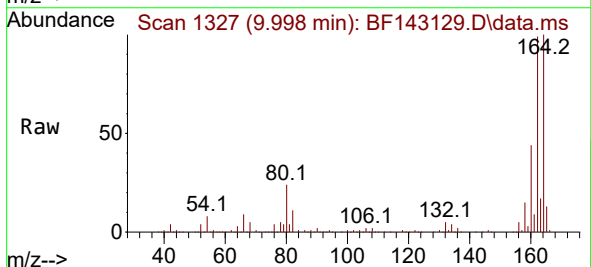
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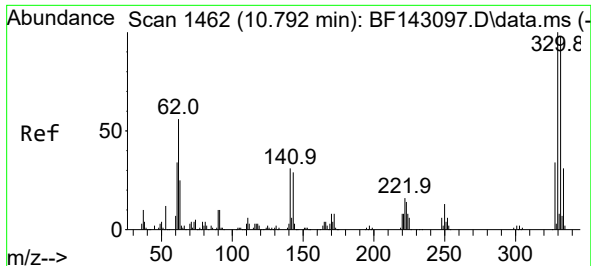
Tgt Ion:122 Resp: 7560
Ion Ratio Lower Upper
122 100
105 128.8 105.4 145.4
77 101.7 78.6 118.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

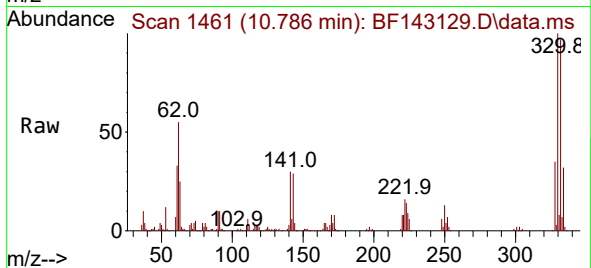
Tgt Ion:164 Resp: 261609
Ion Ratio Lower Upper
164 100
162 98.9 79.0 118.6
160 44.4 35.8 53.6



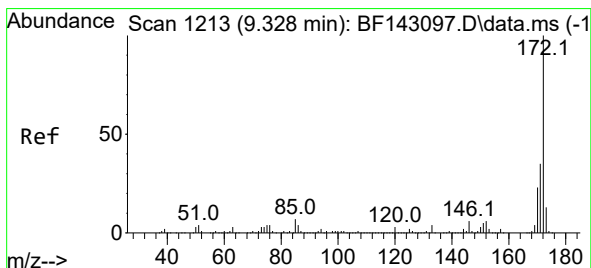
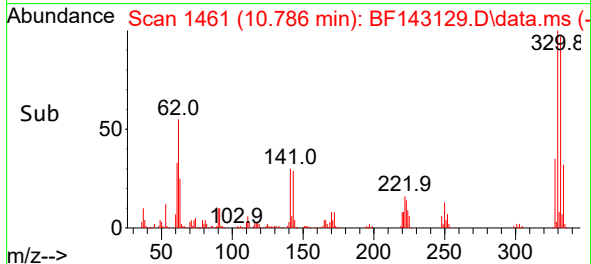
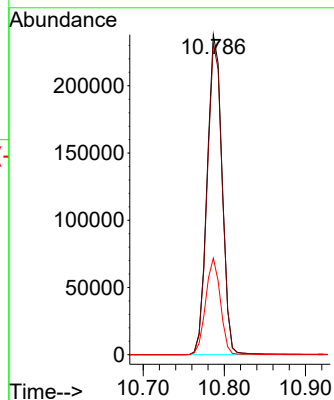


#42
2,4,6-Tribromophenol
Concen: 130.082 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

Instrument :
BNA_F
ClientSampleId :
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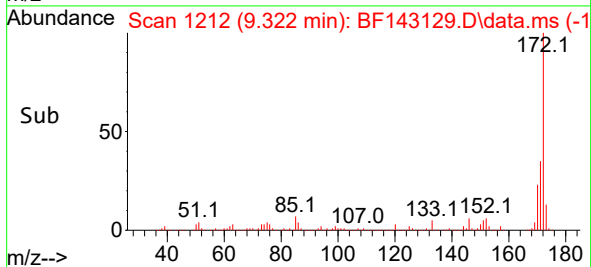
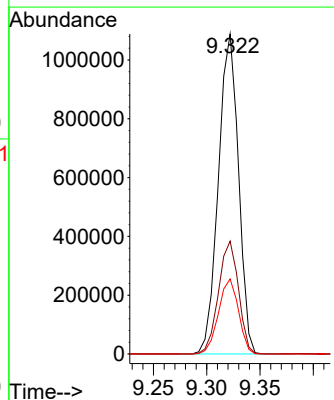
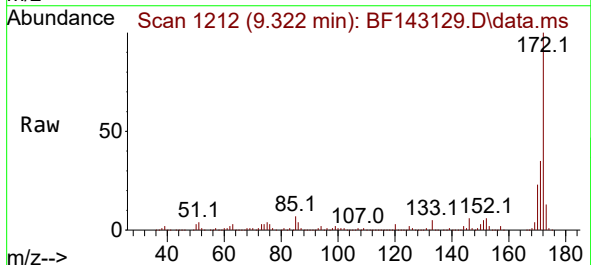


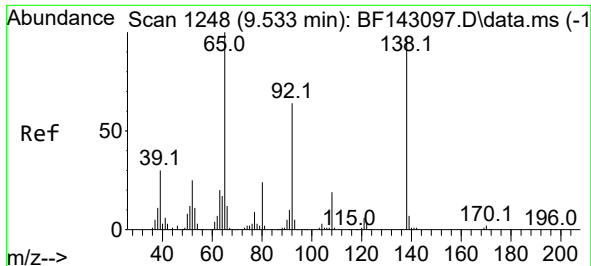
Tgt Ion:330 Resp: 303435
Ion Ratio Lower Upper
330 100
332 97.5 77.9 116.9
141 29.8 25.9 38.9



#45
2-Fluorobiphenyl
Concen: 72.360 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

Tgt Ion:172 Resp: 1424078
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.4 18.6 28.0

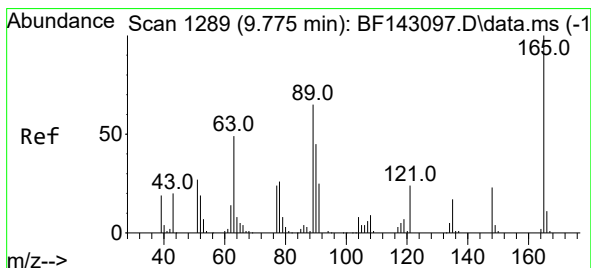
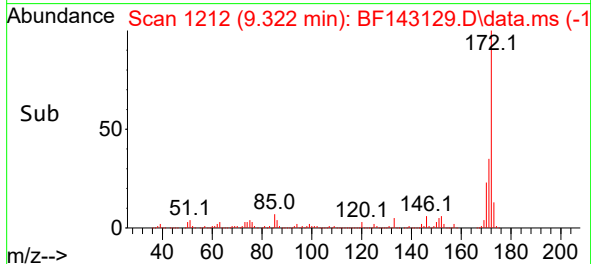
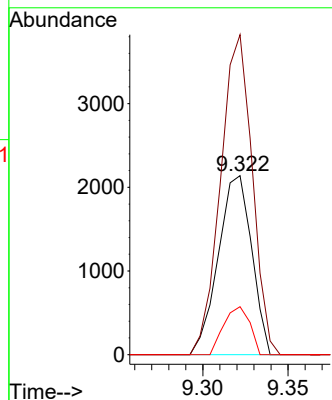
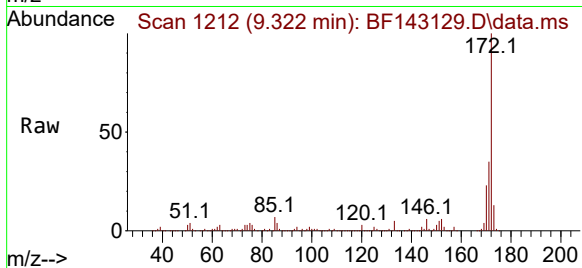




#48
2-Nitroaniline
Concen: 3.771 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.211 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

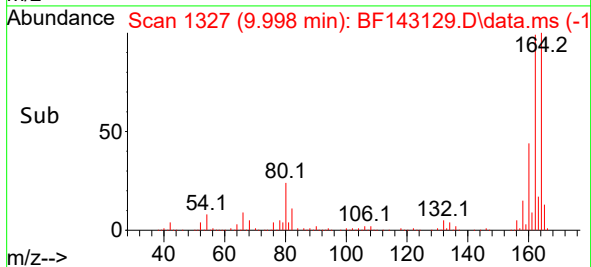
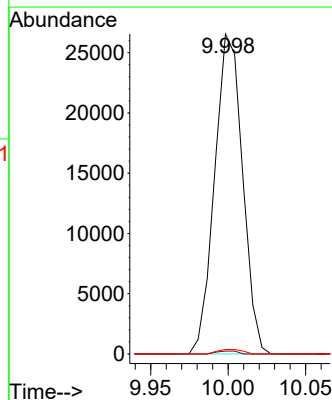
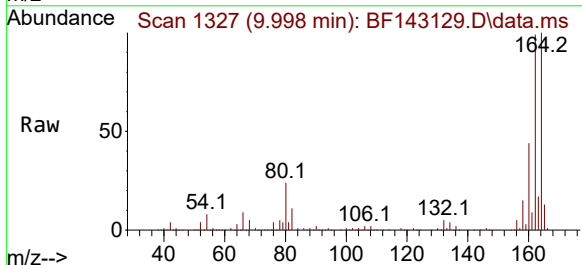
Instrument :
BNA_F
ClientSampleId :
V897

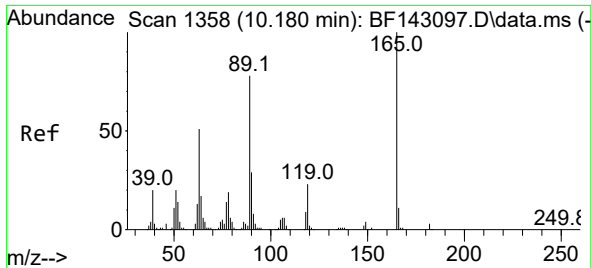
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Ion Ratio Lower Upper
65 100
92 178.7 51.3 76.9#
138 26.8 77.8 116.6#



#51
2,6-Dinitrotoluene
Concen: 12.422 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.223 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

Tgt Ion: 165 Resp: 33242
Ion Ratio Lower Upper
165 100
63 0.9 57.4 86.0#
89 1.4 51.8 77.8#

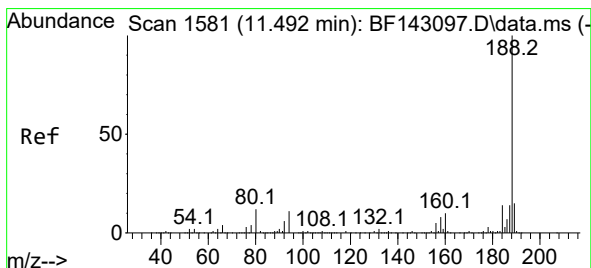
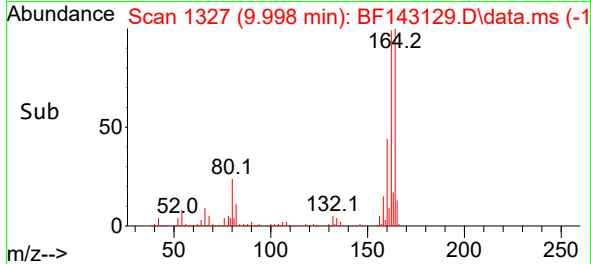
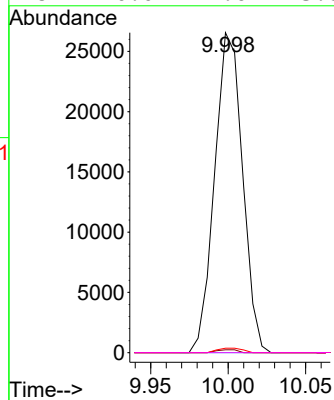
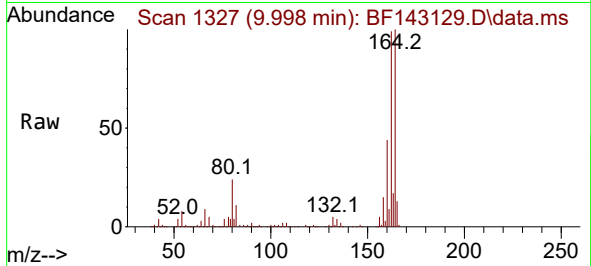




#57
2,4-Dinitrotoluene
Concen: 11.005 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

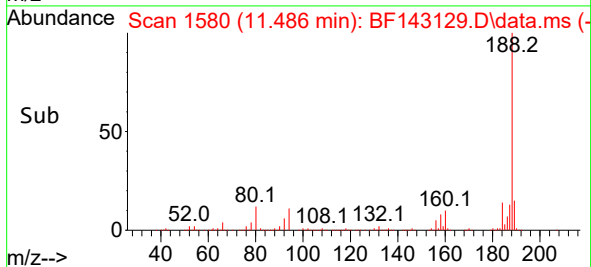
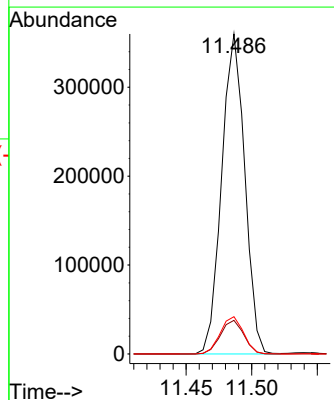
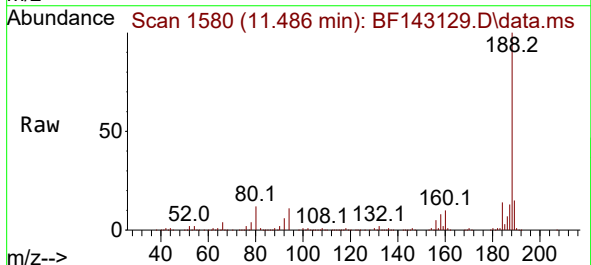
Instrument :
BNA_F
ClientSampleId :
V897

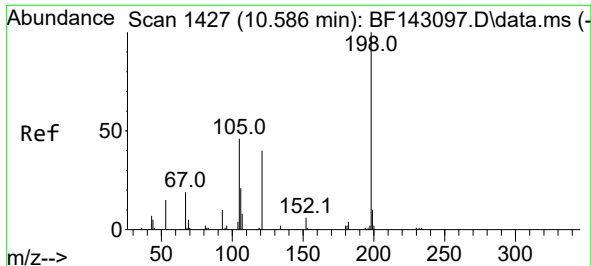
Tgt Ion:165 Resp: 33242
Ion Ratio Lower Upper
165 100
63 0.9 40.6 61.0#
89 1.4 62.3 93.5#
182 0.0 2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

Tgt Ion:188 Resp: 440067
Ion Ratio Lower Upper
188 100
94 10.5 8.6 13.0
80 11.7 9.3 13.9

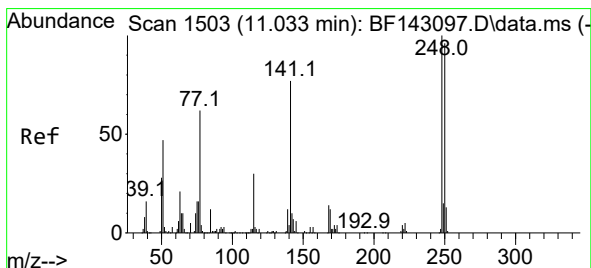
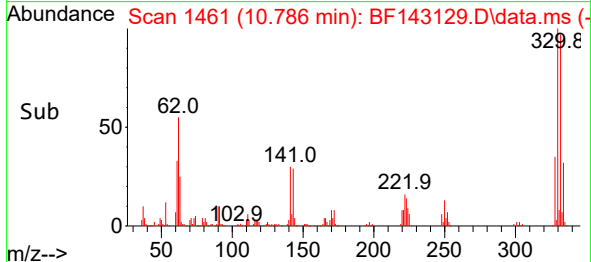
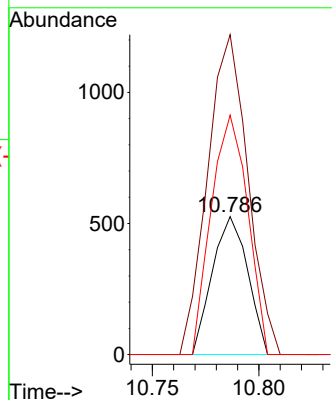
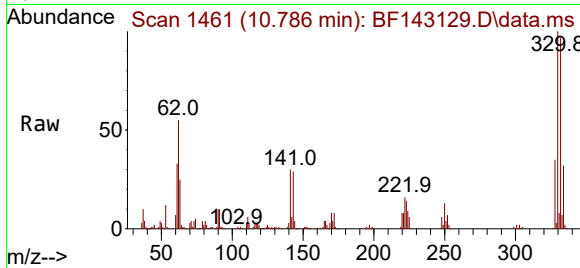




#65
4,6-Dinitro-2-methylphenol
Concen: 5.850 ng
RT: 10.786 min Scan# 1427
Delta R.T. 0.200 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

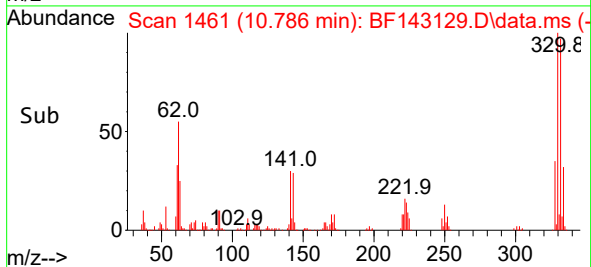
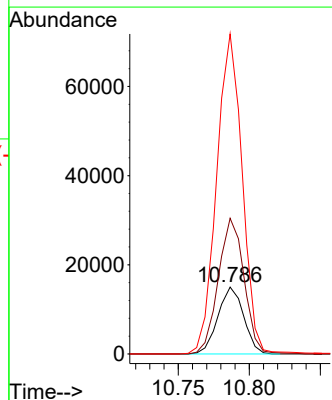
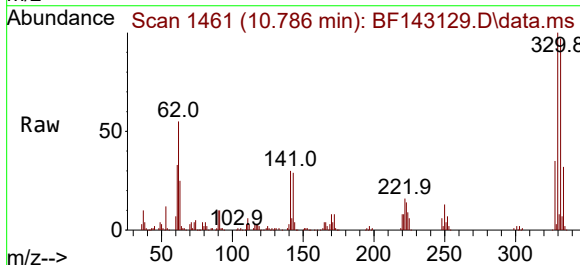
Instrument :
BNA_F
ClientSampleId :
V897

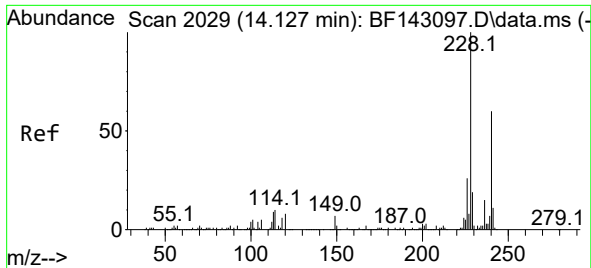
Tgt Ion	198	51	105
Resp:	608		
Ratio	100	231.9	173.6
Lower		44.6	29.3
Upper		84.6#	69.3#



#67
4-Bromophenyl-phenylether
Concen: 3.768 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

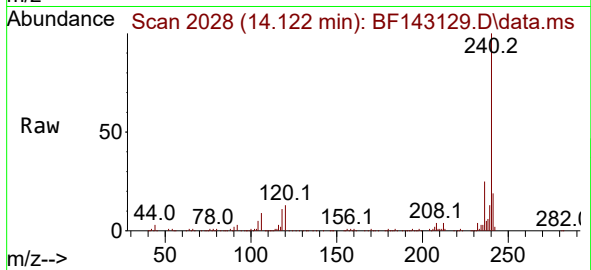
Tgt Ion	248	250	141
Resp:	18857		
Ratio	100	202.8	478.6
Lower		76.7	61.7
Upper		115.1#	92.5#



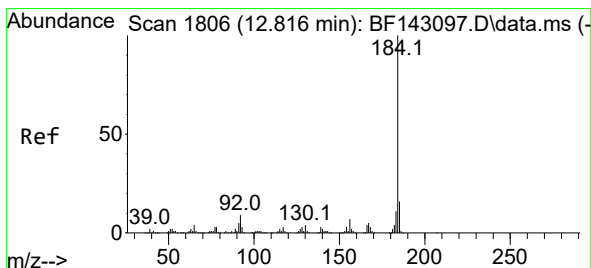
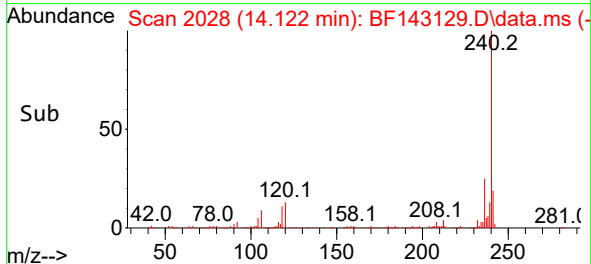
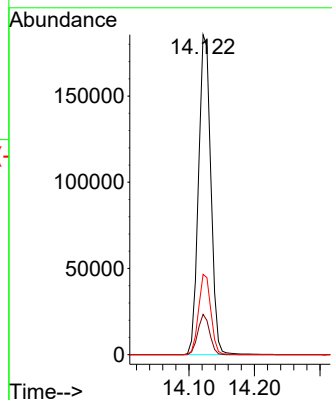


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.122 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

Instrument :
BNA_F
ClientSampleId :
V897

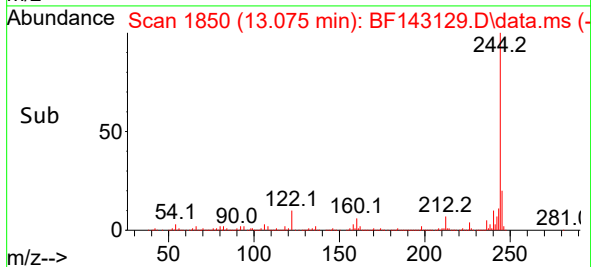
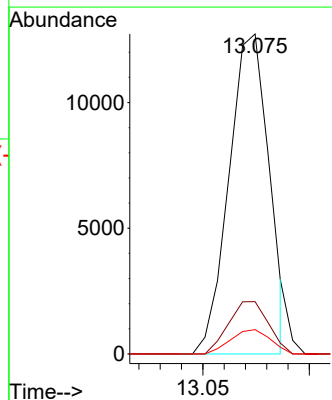
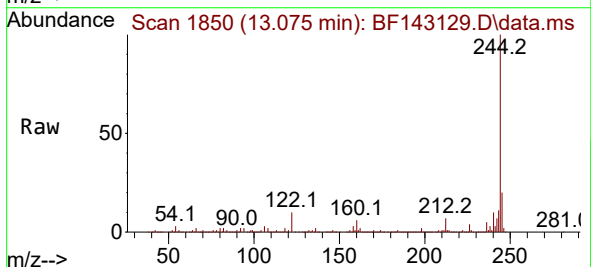


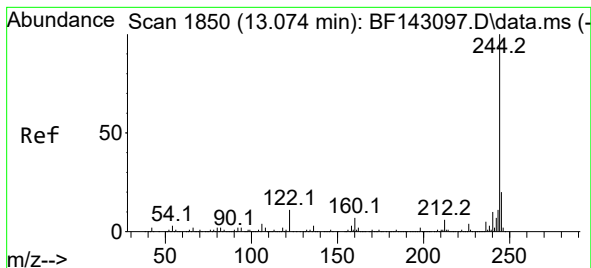
Tgt Ion:240 Resp: 243115
Ion Ratio Lower Upper
240 100
120 12.6 10.0 15.0
236 25.1 20.0 30.0



#77
Benzidine
Concen: 2.012 ng
RT: 13.075 min Scan# 1850
Delta R.T. 0.259 min
Lab File: BF143129.D
Acq: 17 Jul 2025 01:35

Tgt Ion:184 Resp: 16668
Ion Ratio Lower Upper
184 100
185 16.4 12.4 18.6
183 7.6 8.6 12.8#





#79

Terphenyl-d14

Concen: 79.446 ng

RT: 13.075 min Scan# 1850

Delta R.T. 0.000 min

Lab File: BF143129.D

Acq: 17 Jul 2025 01:35

Instrument :

BNA_F

ClientSampleId :

V897

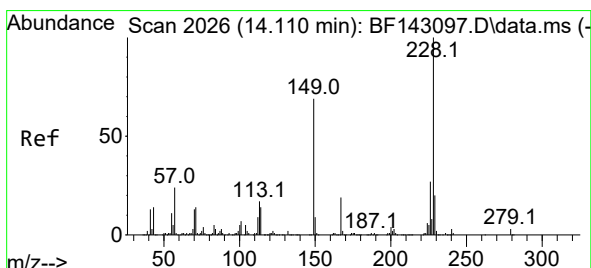
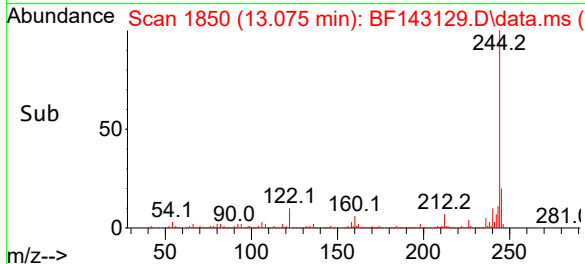
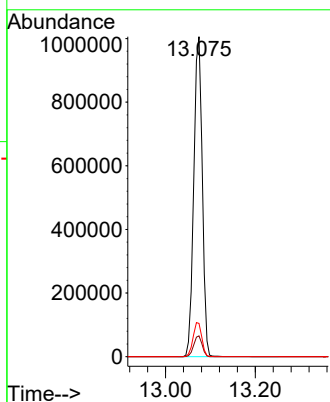
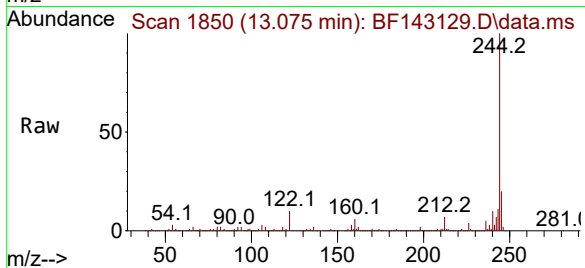
Tgt Ion:244 Resp: 1321267

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 10.4 8.8 13.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.441 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143129.D

Acq: 17 Jul 2025 01:35

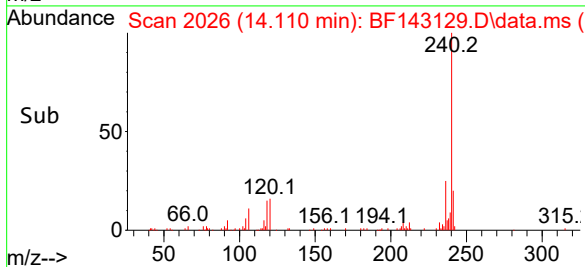
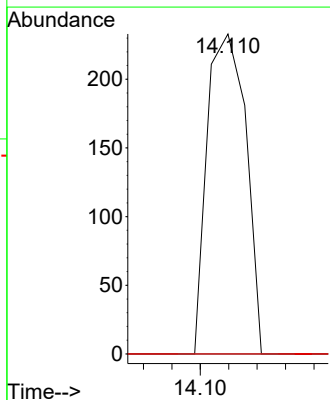
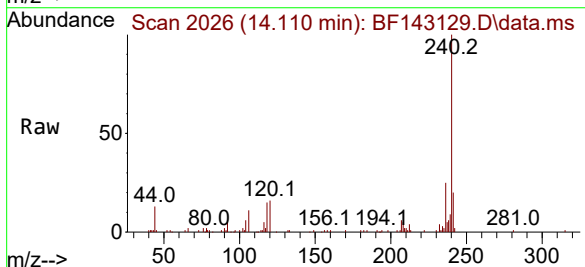
Tgt Ion:149 Resp: 221

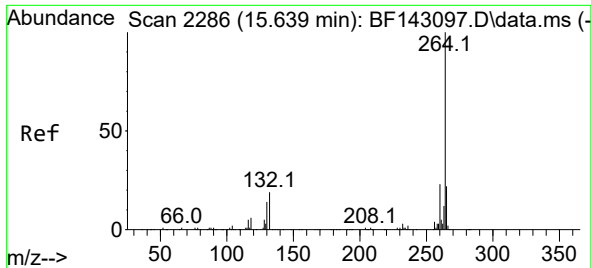
Ion Ratio Lower Upper

149 100

167 0.0 21.9 32.9#

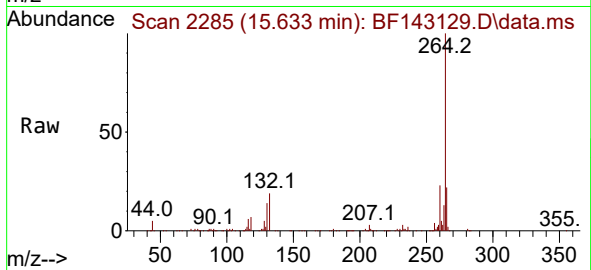
279 0.0 3.4 5.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143129.D
 Acq: 17 Jul 2025 01:35

Instrument :
 BNA_F
 ClientSampleId :
 V897



Tgt Ion:264 Resp: 236345
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.5 27.7
 265 21.9 17.5 26.3

