

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091525\
 Data File : BF143764.D
 Acq On : 15 Sep 2025 21:24
 Operator : RC/JU
 Sample : Q3092-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 279182

Quant Time: Sep 16 01:10:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

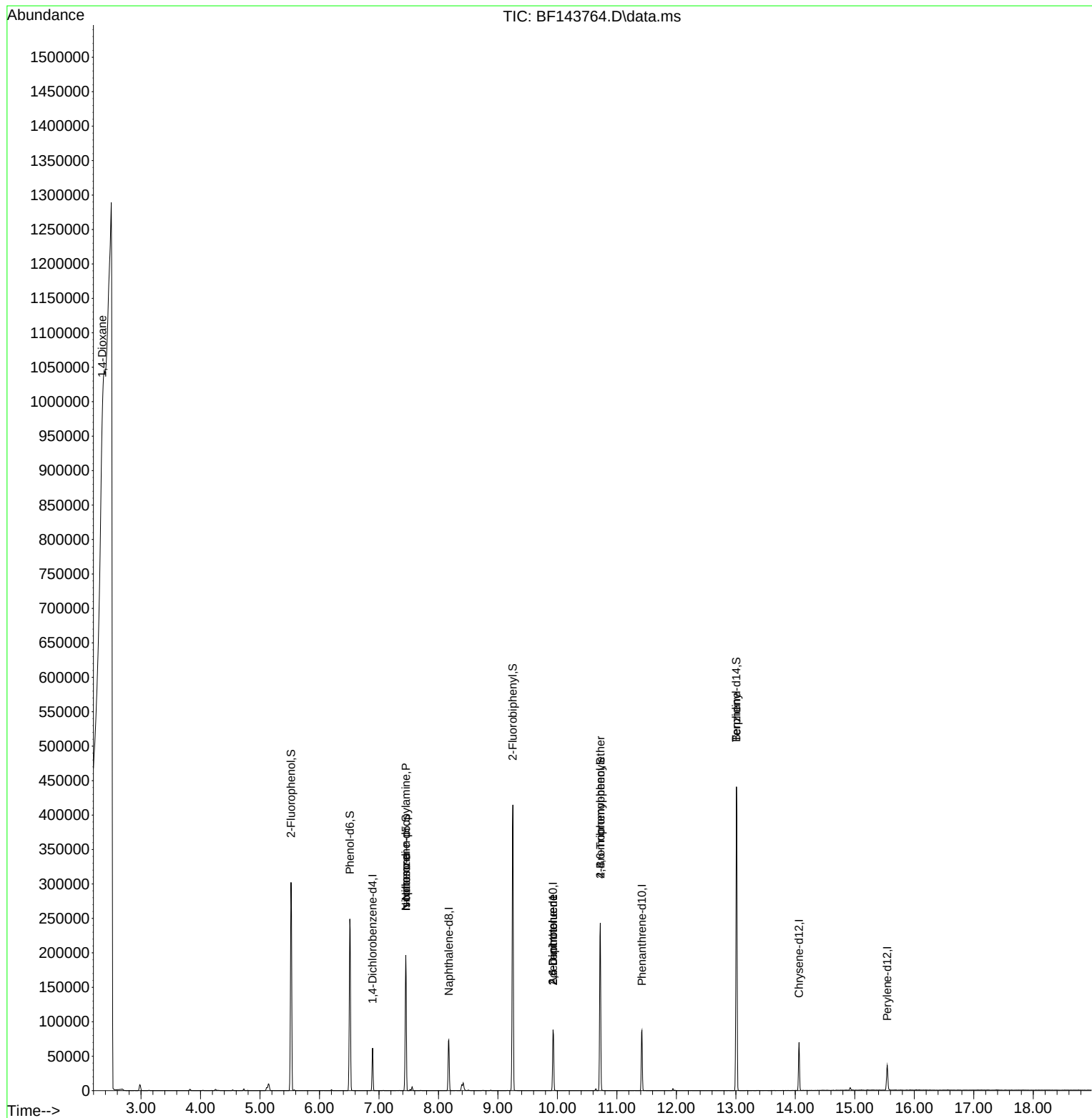
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	14177	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	52024	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	28606	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	48982	20.000	ng	0.01
76) Chrysene-d12	14.063	240	35365	20.000	ng	0.02
86) Perylene-d12	15.545	264	23482	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	121764	146.538	ng	0.02
7) Phenol-d6	6.510	99	136430	134.845	ng	0.00
23) Nitrobenzene-d5	7.451	82	93180	111.407	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	48095	166.832	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	204661	108.077	ng	0.00
79) Terphenyl-d14	13.010	244	232722	106.640	ng	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.346	88	2405	6.488	ng	# 48
19) n-Nitroso-di-n-propyla...	7.451	70	12637	20.337	ng	# 74
25) Isophorone	7.451	82	92939	57.949	ng	# 64
51) 2,6-Dinitrotoluene	9.928	165	3768	10.589	ng	# 27
57) 2,4-Dinitrotoluene	9.928	165	3768	7.780	ng	# 27
67) 4-Bromophenyl-phenylether	10.722	248	3062	5.184	ng	# 1
77) Benzidine	13.010	184	2335	2.025	ng	# 86

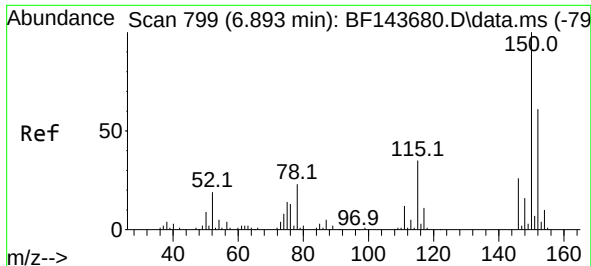
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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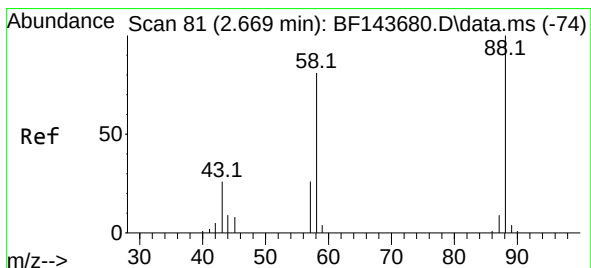
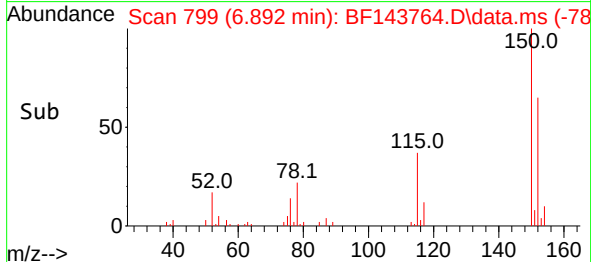
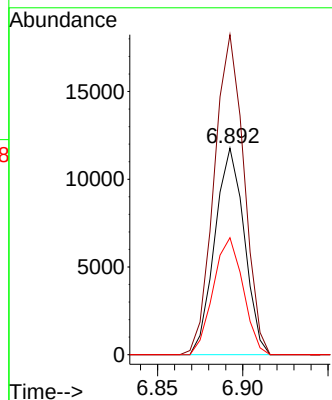
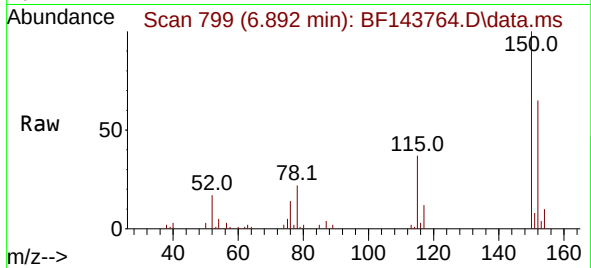




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 79
 Delta R.T. -0.001 min
 Lab File: BF143764.D
 Acq: 15 Sep 2025 21:24

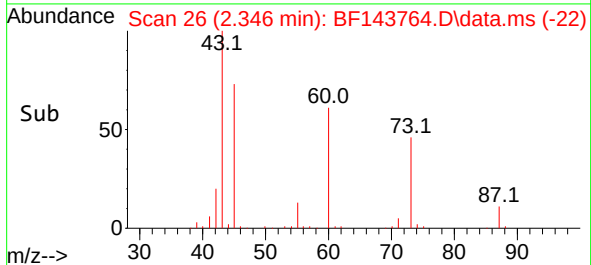
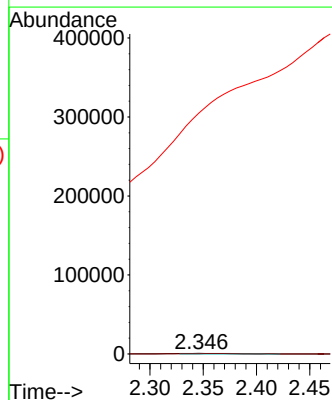
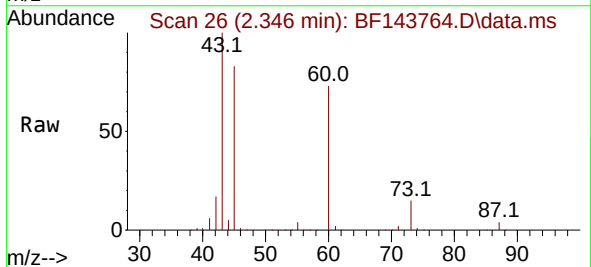
Instrument :
 BNA_F
 ClientSampleId :
 279182

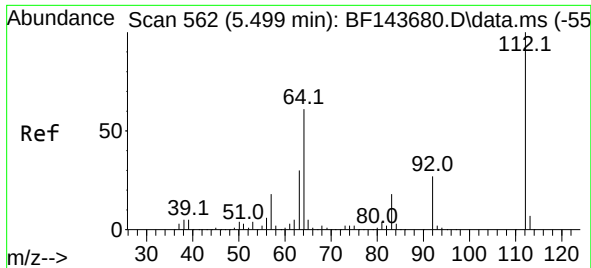
Tgt Ion:152 Resp: 14177
 Ion Ratio Lower Upper
 152 100
 150 154.9 130.7 196.1
 115 56.6 45.9 68.9



#2
 1,4-Dioxane
 Concen: 6.488 ng
 RT: 2.346 min Scan# 26
 Delta R.T. -0.324 min
 Lab File: BF143764.D
 Acq: 15 Sep 2025 21:24

Tgt Ion: 88 Resp: 2405
 Ion Ratio Lower Upper
 88 100
 58 35.7 65.8 98.6#
 43 0.0 20.6 31.0#

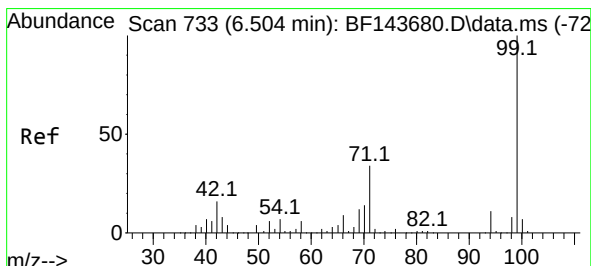
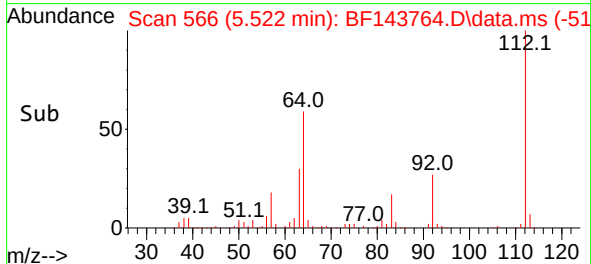
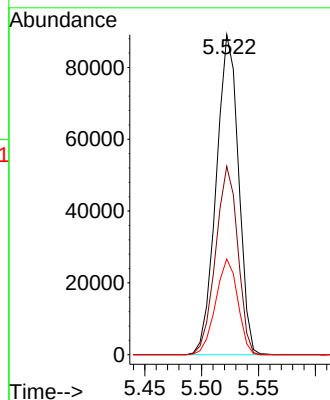
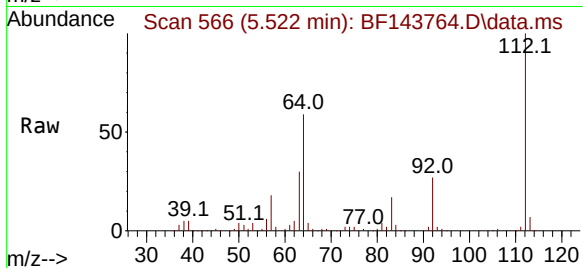




#5
2-Fluorophenol
Concen: 146.538 ng
RT: 5.522 min Scan# 51
Delta R.T. 0.023 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

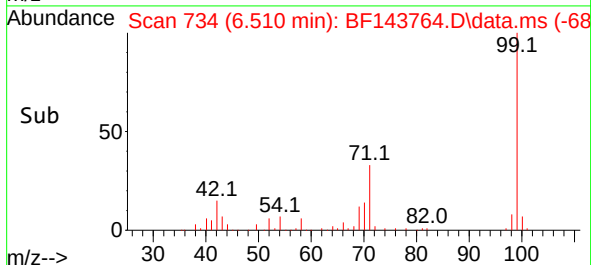
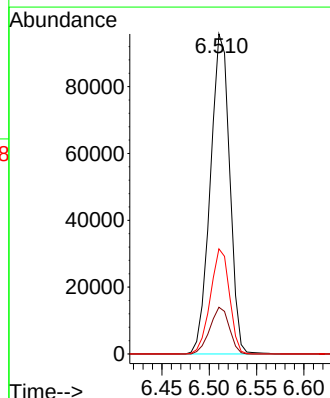
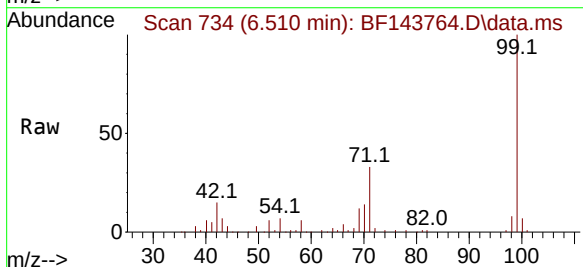
Instrument :
BNA_F
ClientSampleId :
279182

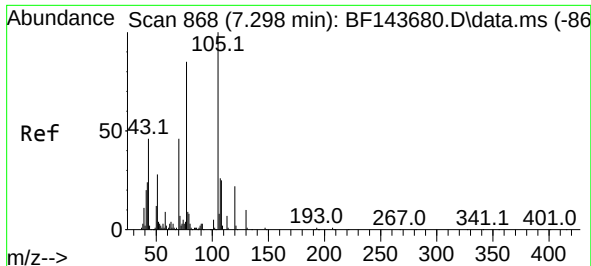
Tgt Ion:112 Resp: 121764
Ion Ratio Lower Upper
112 100
64 58.8 49.0 73.4
63 29.9 24.3 36.5



#7
Phenol-d6
Concen: 134.845 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.006 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

Tgt Ion: 99 Resp: 136430
Ion Ratio Lower Upper
99 100
42 14.6 13.0 19.4
71 32.8 27.4 41.2

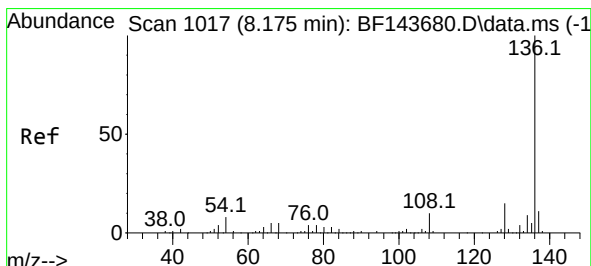
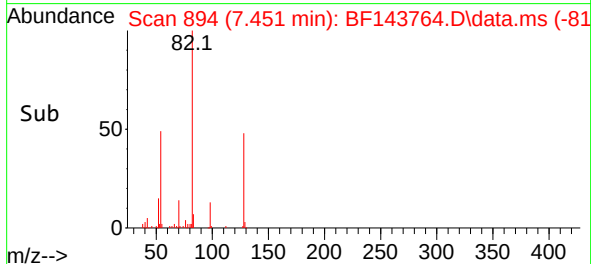
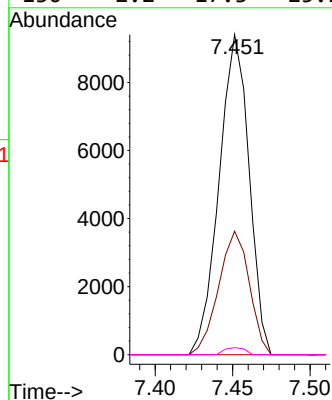
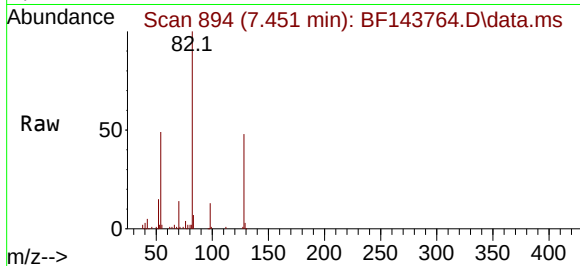




#19
n-Nitroso-di-n-propylamine
Concen: 20.337 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

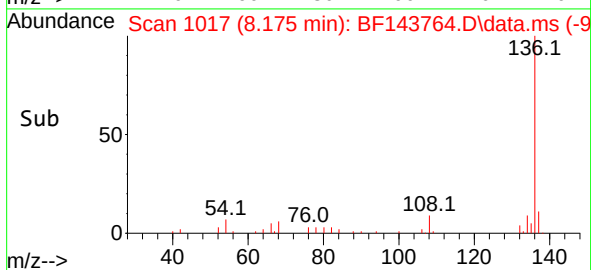
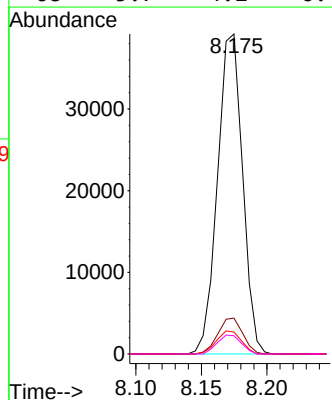
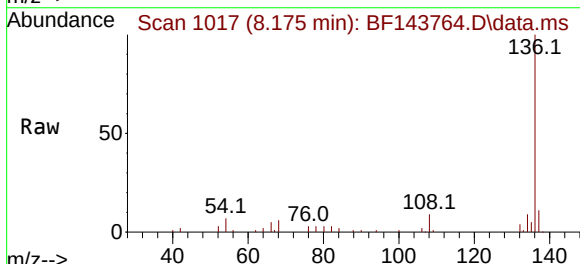
Instrument :
BNA_F
ClientSampleId :
279182

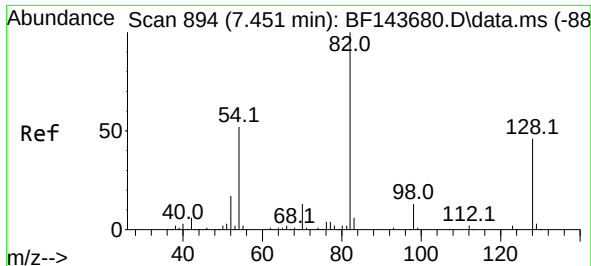
Tgt Ion:	70	Resp:	12637
Ion	Ratio	Lower	Upper
70	100		
42	38.6	41.4	62.2#
101	0.0	8.1	12.1#
130	2.2	17.3	25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

Tgt Ion:	136	Resp:	52024
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	6.9	6.2	9.2
68	5.7	4.2	6.4

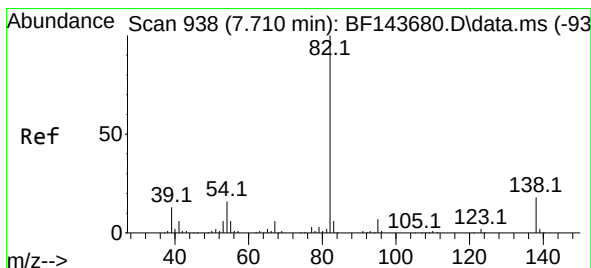
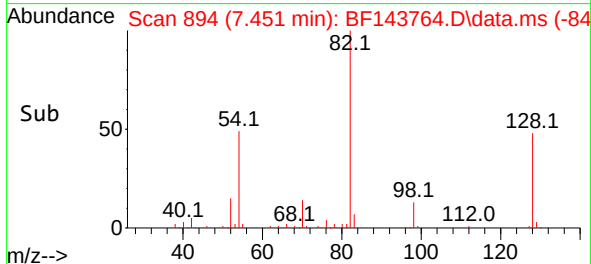
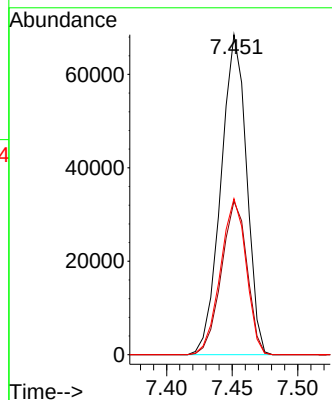
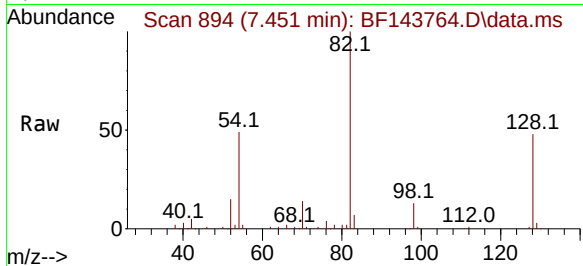




#23
Nitrobenzene-d5
Concen: 111.407 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

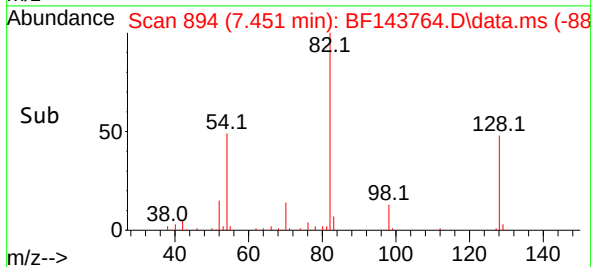
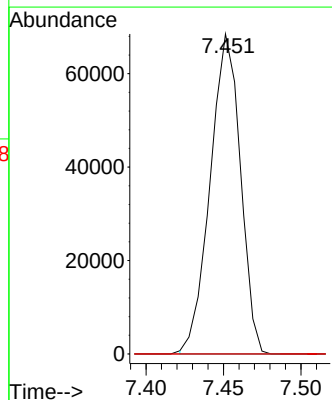
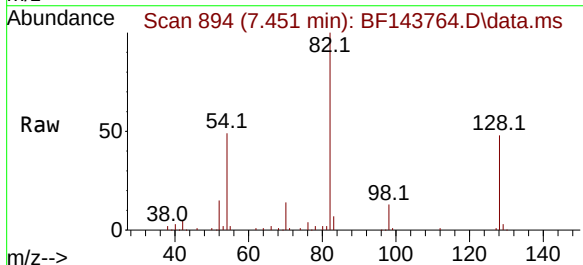
Instrument :
BNA_F
ClientSampleId :
279182

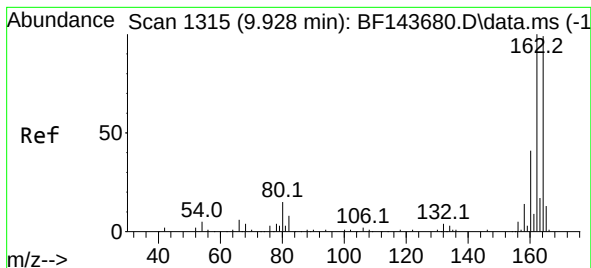
Tgt Ion: 82 Resp: 93180
Ion Ratio Lower Upper
82 100
128 48.0 37.0 55.4
54 48.8 41.8 62.8



#25
Isophorone
Concen: 57.949 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.259 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

Tgt Ion: 82 Resp: 92939
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.8 22.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143764.D

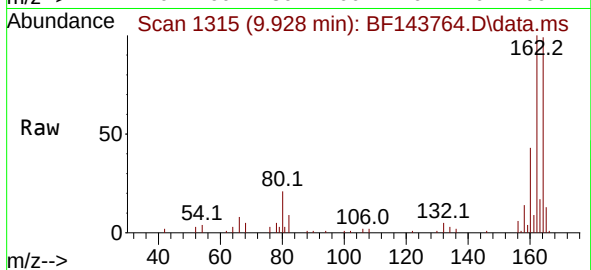
Acq: 15 Sep 2025 21:24

Instrument :

BNA_F

ClientSampleId :

279182



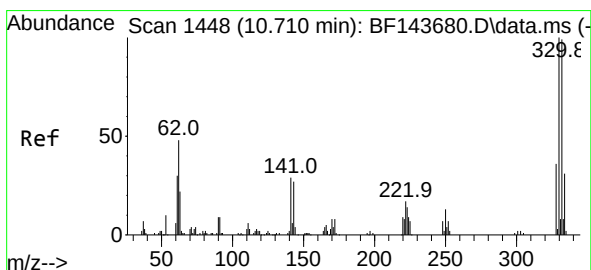
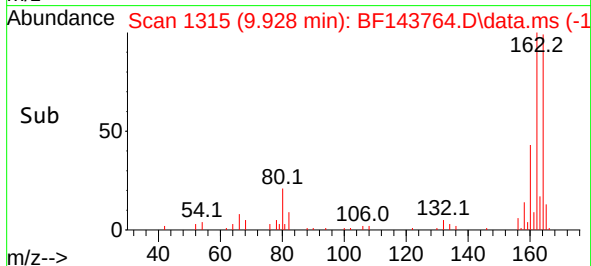
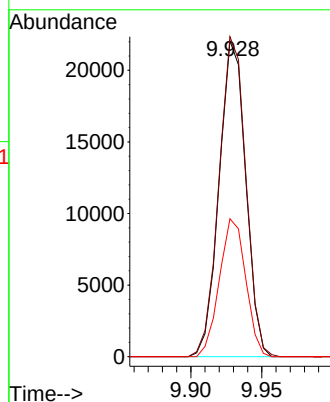
Tgt Ion:164 Resp: 28606

Ion Ratio Lower Upper

164 100

162 101.3 80.6 121.0

160 43.7 33.0 49.4



#42

2,4,6-Tribromophenol

Concen: 166.832 ng

RT: 10.722 min Scan# 1450

Delta R.T. 0.012 min

Lab File: BF143764.D

Acq: 15 Sep 2025 21:24

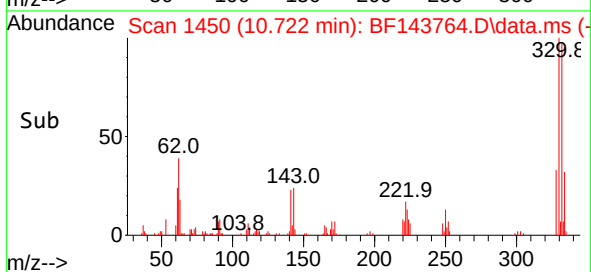
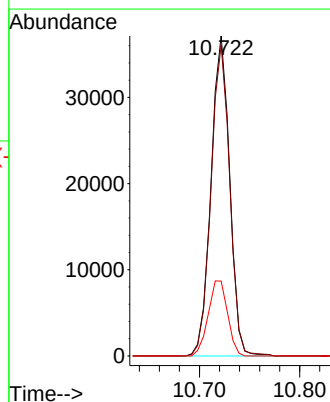
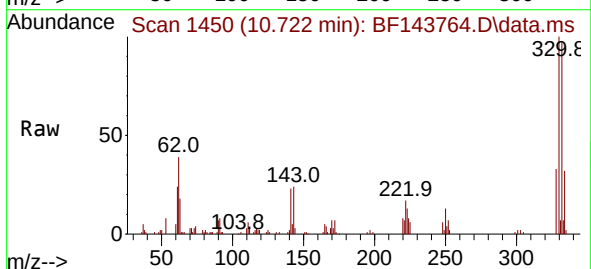
Tgt Ion:330 Resp: 48095

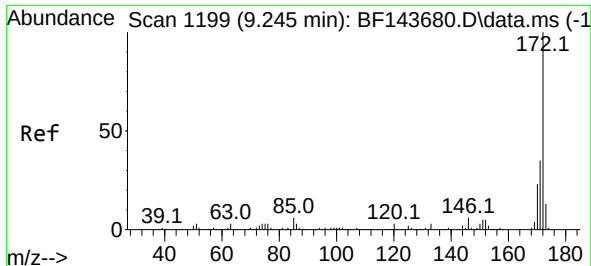
Ion Ratio Lower Upper

330 100

332 97.1 79.2 118.8

141 24.4 22.2 33.4





#45

2-Fluorobiphenyl

Concen: 108.077 ng

RT: 9.251 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BF143764.D

Acq: 15 Sep 2025 21:24

Instrument :

BNA_F

ClientSampleId :

279182

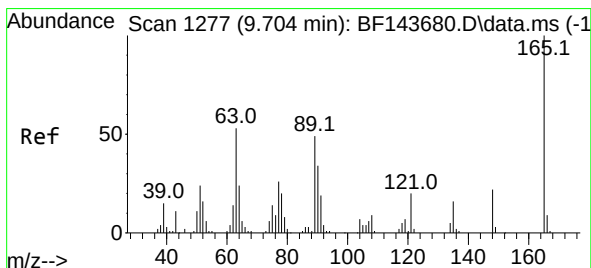
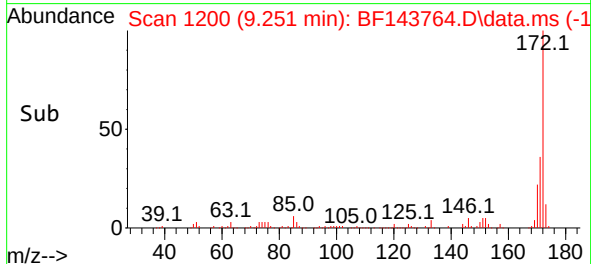
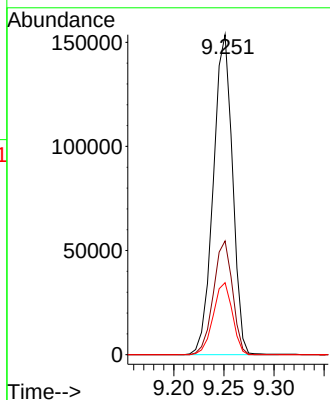
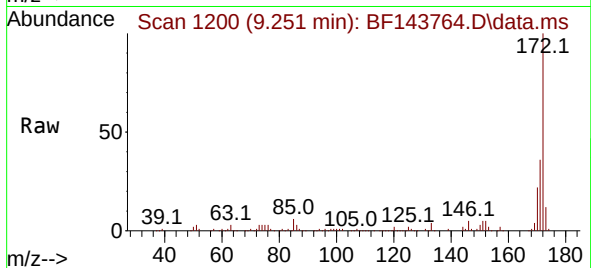
Tgt Ion:172 Resp: 204661

Ion Ratio Lower Upper

172 100

171 35.5 27.9 41.9

170 22.5 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 10.589 ng

RT: 9.928 min Scan# 1315

Delta R.T. 0.223 min

Lab File: BF143764.D

Acq: 15 Sep 2025 21:24

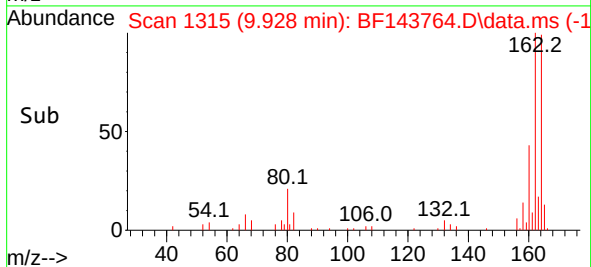
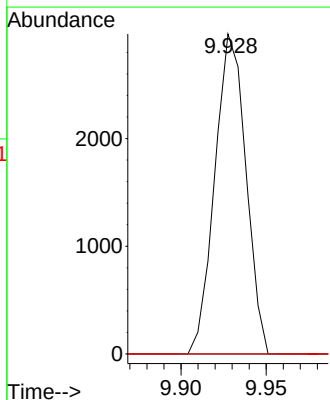
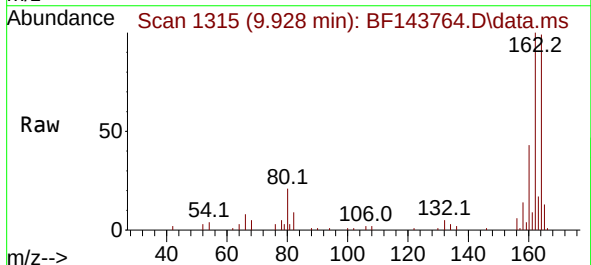
Tgt Ion:165 Resp: 3768

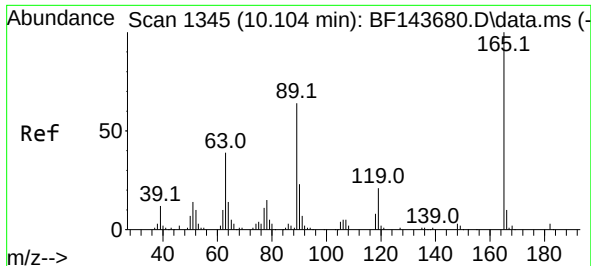
Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

89 0.0 39.3 58.9#

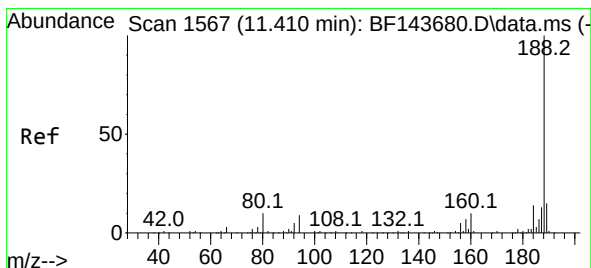
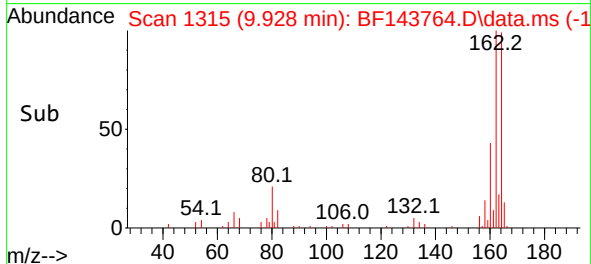
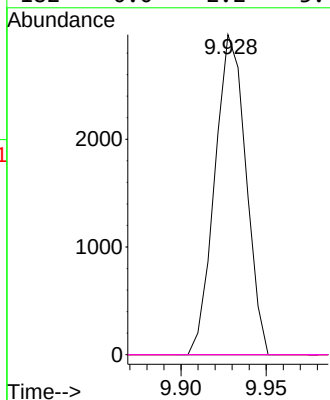
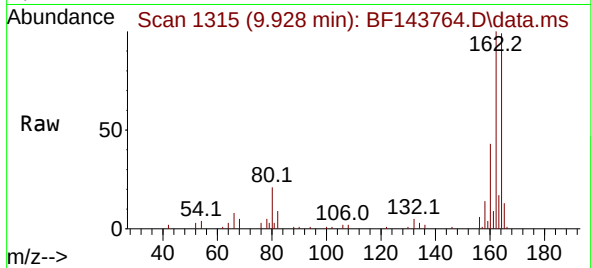




#57
2,4-Dinitrotoluene
Concen: 7.780 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.177 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

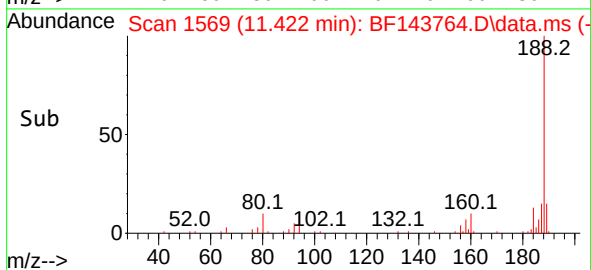
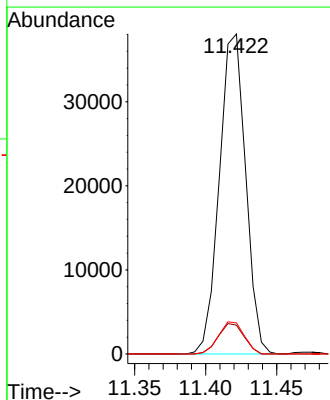
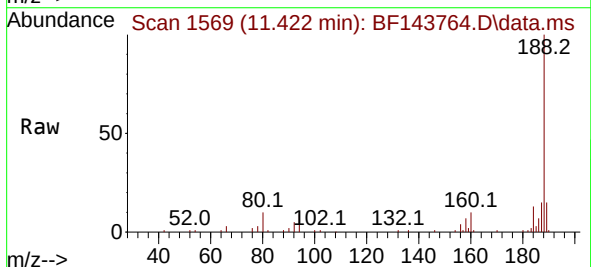
Instrument :
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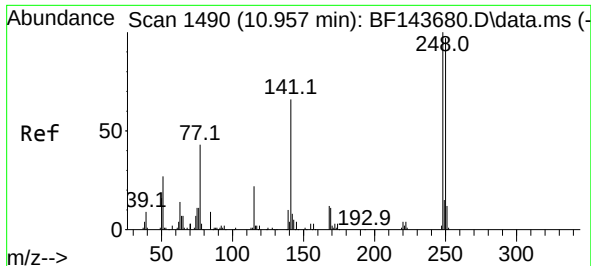
Tgt Ion:165 Resp: 3768
Ion Ratio Lower Upper
165 100
63 0.0 31.5 47.3#
89 0.0 51.3 76.9#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. 0.012 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

Tgt Ion:188 Resp: 48982
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.0
80 9.7 7.7 11.5

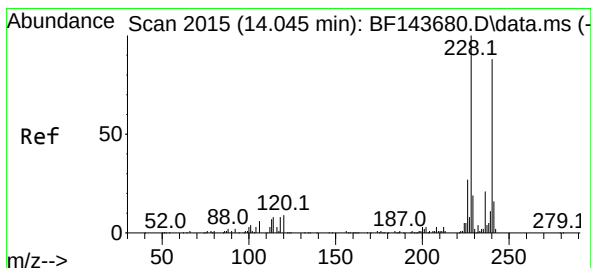
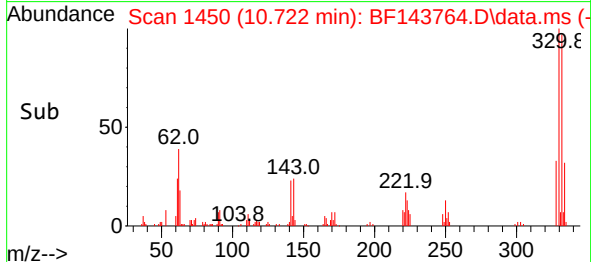
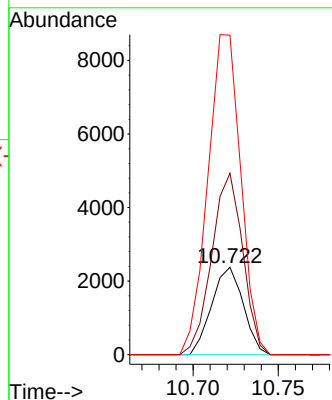
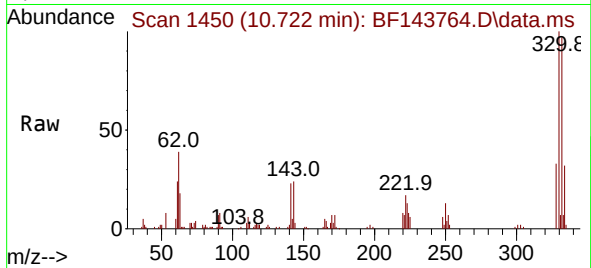




#67
4-Bromophenyl-phenylether
Concen: 5.184 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

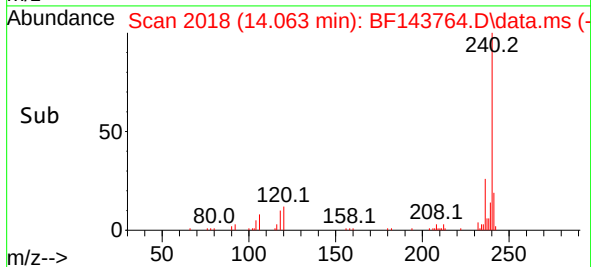
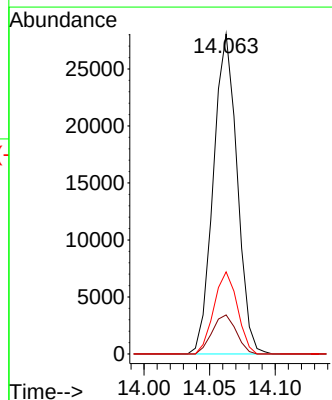
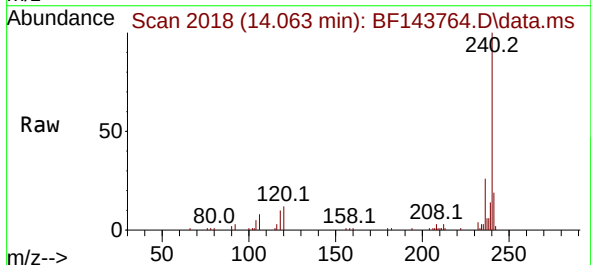
Instrument :
BNA_F
ClientSampleId :
279182

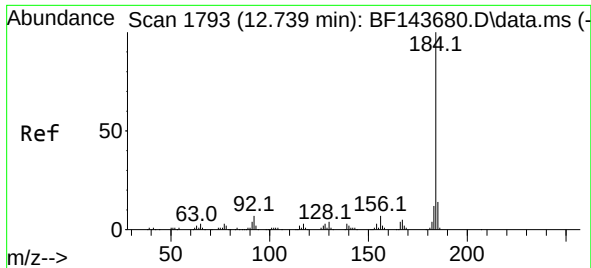
Tgt Ion:248 Resp: 3062
Ion Ratio Lower Upper
248 100
250 207.7 77.5 116.3#
141 365.7 52.6 79.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.018 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

Tgt Ion:240 Resp: 35365
Ion Ratio Lower Upper
240 100
120 12.2 8.4 12.6
236 25.7 18.6 28.0

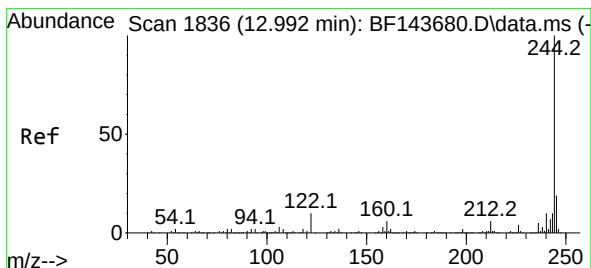
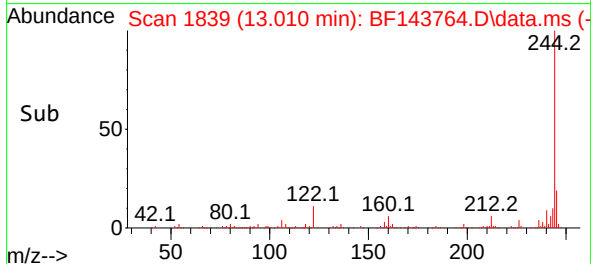
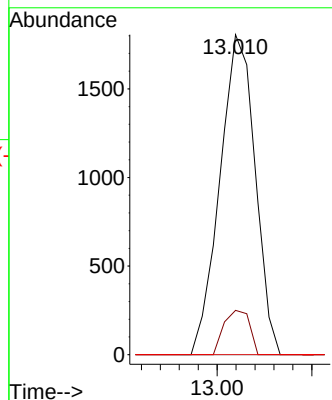
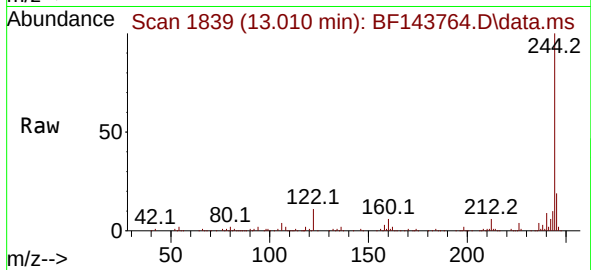




#77
Benzidine
Concen: 2.025 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.270 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

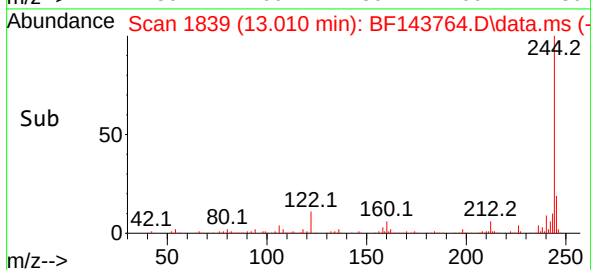
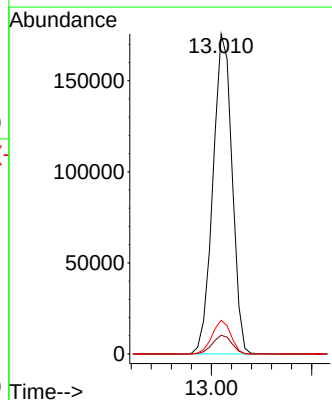
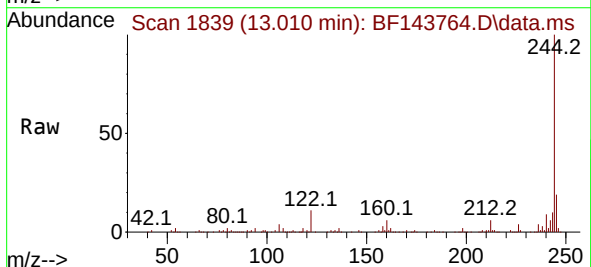
Instrument :
BNA_F
ClientSampleId :
279182

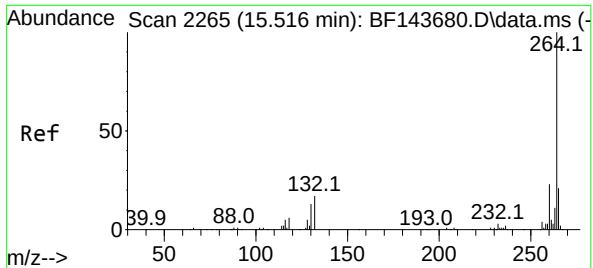
Tgt Ion:184 Resp: 2335
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 0.0 9.4 14.2#



#79
Terphenyl-d14
Concen: 106.640 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.018 min
Lab File: BF143764.D
Acq: 15 Sep 2025 21:24

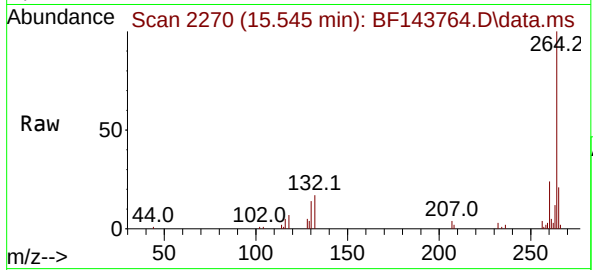
Tgt Ion:244 Resp: 232722
Ion Ratio Lower Upper
244 100
212 5.9 5.0 7.6
122 10.5 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.029 min
 Lab File: BF143764.D
 Acq: 15 Sep 2025 21:24

Instrument :
 BNA_F
 ClientSampleId :
 279182



Tgt Ion:	264	Resp:	23482
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.4	27.6
265	21.0	17.1	25.7

