

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121225\
 Data File : BF144462.D
 Acq On : 12 Dec 2025 21:01
 Operator : RC/JU
 Sample : Q3839-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0B02

Quant Time: Dec 12 23:34:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 12 15:57:03 2025
 Response via : Initial Calibration

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

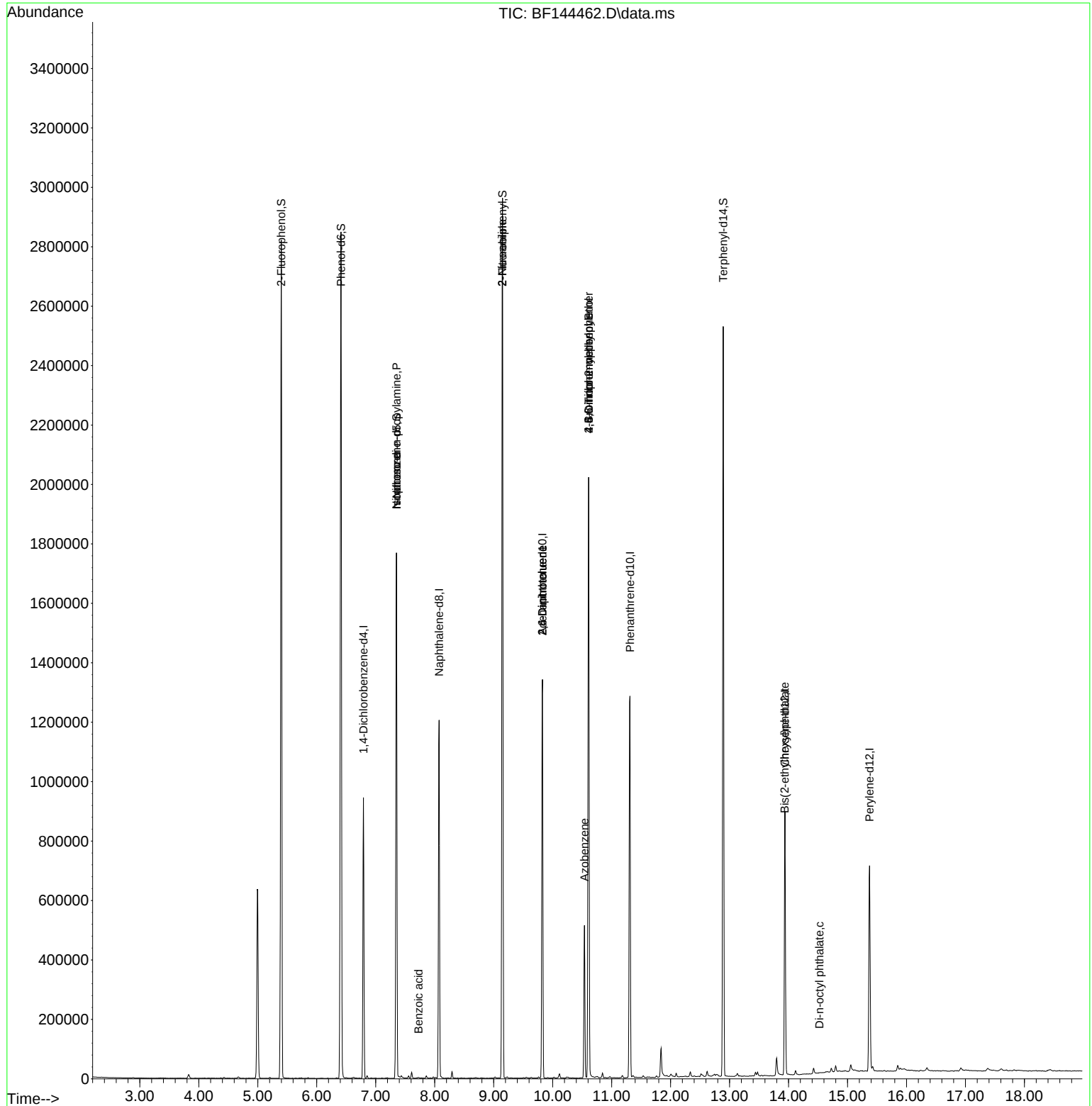
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	188006	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	752405	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	401821	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	657309	20.000	ng	0.00
76) Chrysene-d12	13.939	240	412607	20.000	ng	0.00
86) Perylene-d12	15.374	264	387916	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1067239	85.593	ng	0.00
7) Phenol-d6	6.410	99	1360011	87.446	ng	0.00
23) Nitrobenzene-d5	7.351	82	750384	62.410	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	332632	91.562	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1309993	50.013	ng	0.00
79) Terphenyl-d14	12.892	244	1158826	44.341	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	100899	10.271	ng	# 78
25) Isophorone	7.351	82	741194	27.315	ng	# 65
32) Benzoic acid	7.728	122	146	6.481	ng	# 85
48) 2-Nitroaniline	9.145	65	2502	3.969	ng	# 6
51) 2,6-Dinitrotoluene	9.828	165	51182	13.361	ng	# 24
57) 2,4-Dinitrotoluene	9.828	165	51182	10.811	ng	# 21
63) Azobenzene	10.539	77	127497	4.690	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	732	7.033	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	22123	2.883	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.933	149	2053	3.038	ng	# 95
85) Di-n-octyl phthalate	14.522	149	237	6.511	ng	# 73

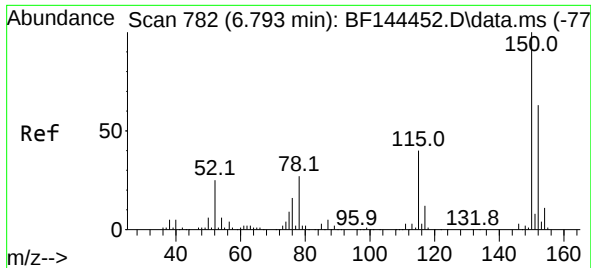
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121225\
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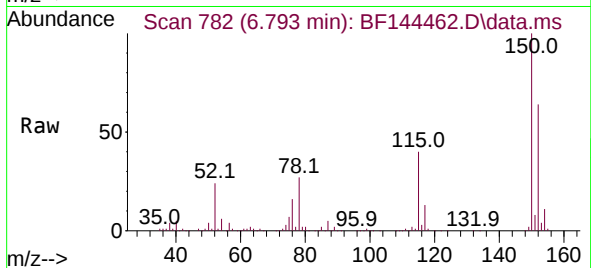
Quant Time: Dec 12 23:34:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
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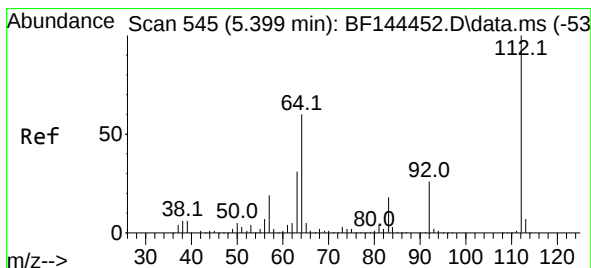
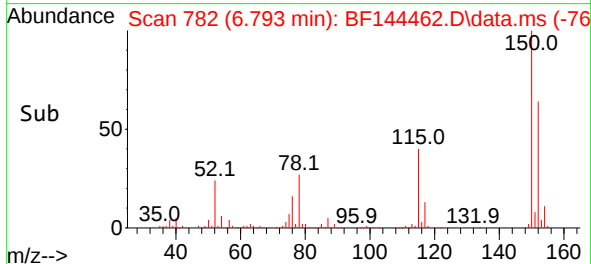
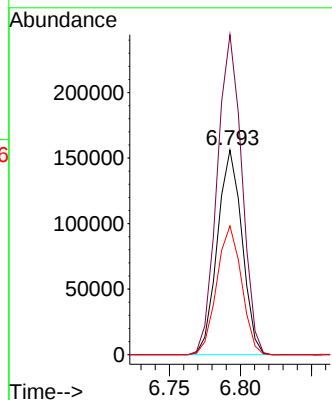


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

Instrument :
BNA_F
ClientSampleId :
C0B02

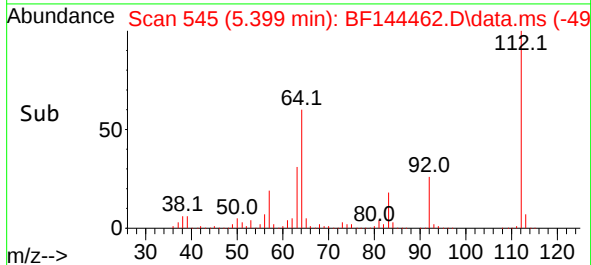
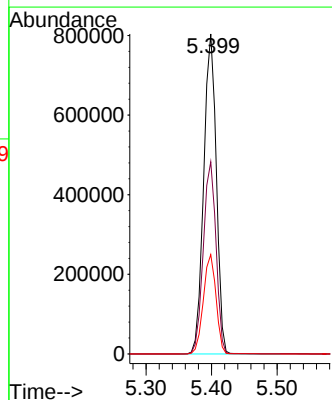
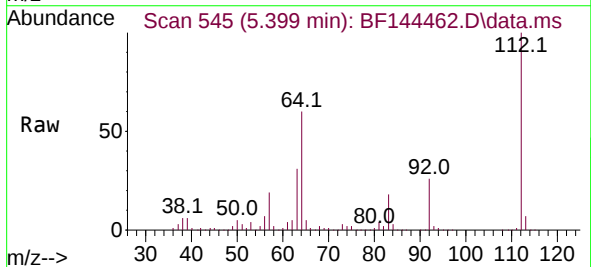


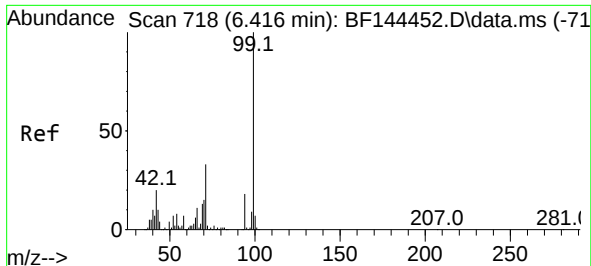
Tgt Ion:152 Resp: 188006
Ion Ratio Lower Upper
152 100
150 156.4 127.4 191.2
115 62.9 51.4 77.0



#5
2-Fluorophenol
Concen: 85.593 ng
RT: 5.399 min Scan# 545
Delta R.T. 0.000 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

Tgt Ion:112 Resp: 1067239
Ion Ratio Lower Upper
112 100
64 60.0 47.8 71.6
63 31.0 24.6 37.0





#7
Phenol-d6
Concen: 87.446 ng
RT: 6.410 min Scan# 718
Delta R.T. -0.006 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

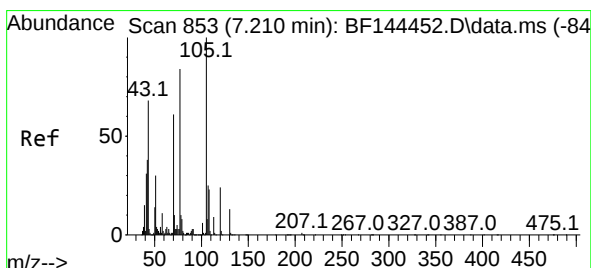
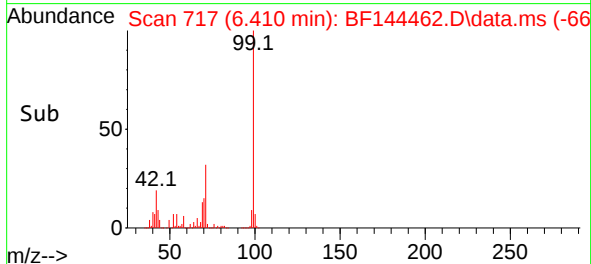
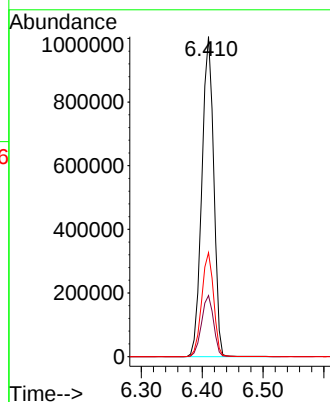
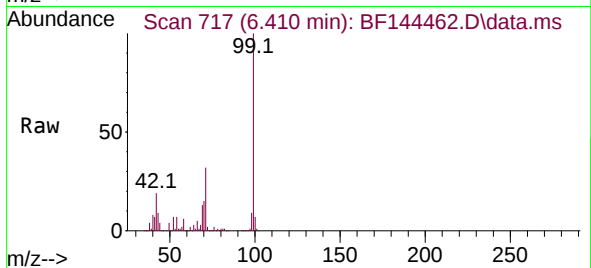
Instrument :

BNA_F

ClientSampleId :

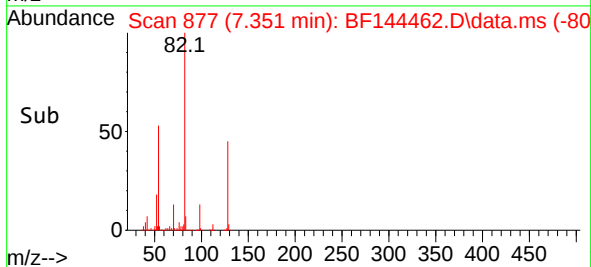
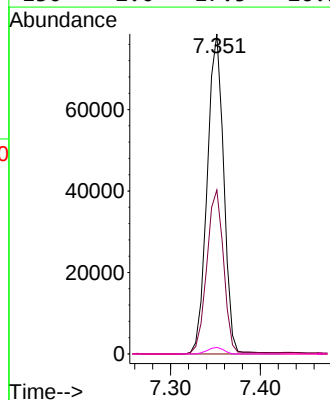
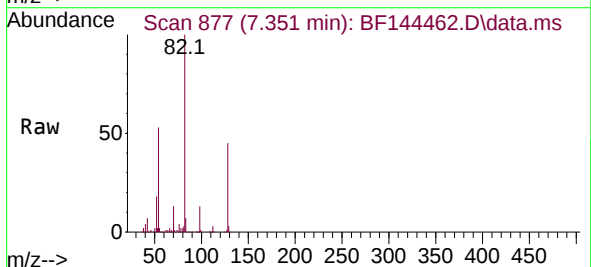
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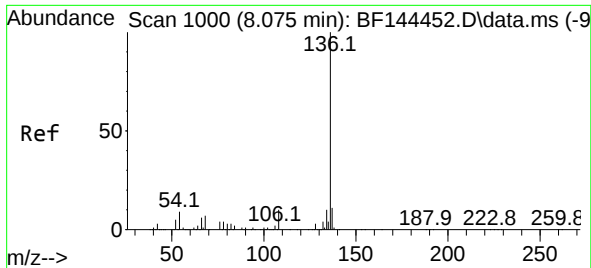
Tgt Ion: 99 Resp: 1360011
Ion Ratio Lower Upper
99 100
42 19.1 15.7 23.5
71 32.5 26.4 39.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.271 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

Tgt Ion: 70 Resp: 100899
Ion Ratio Lower Upper
70 100
42 51.2 49.4 74.0
101 0.0 7.8 11.6#
130 2.0 17.5 26.3#



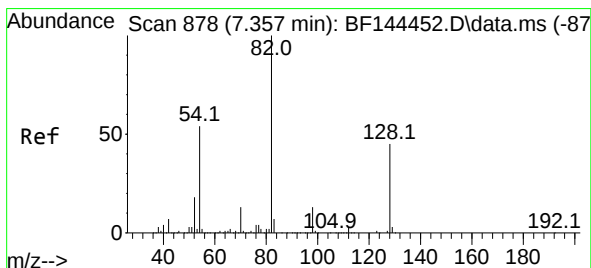
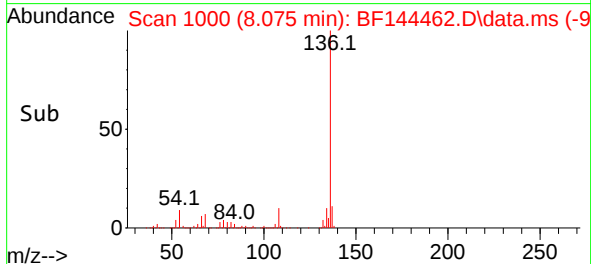
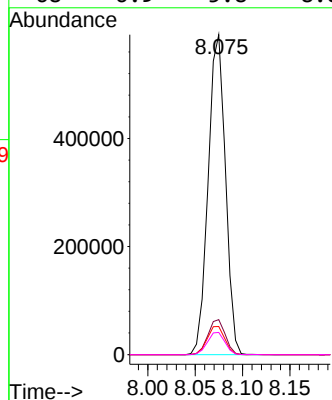
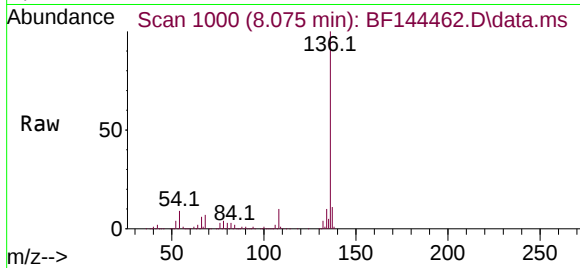


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

Instrument :
BNA_F
ClientSampleId :
C0B02

Tgt Ion:136 Resp: 752405

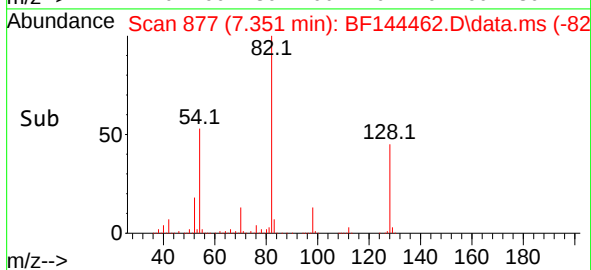
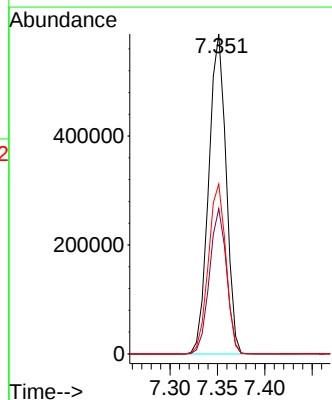
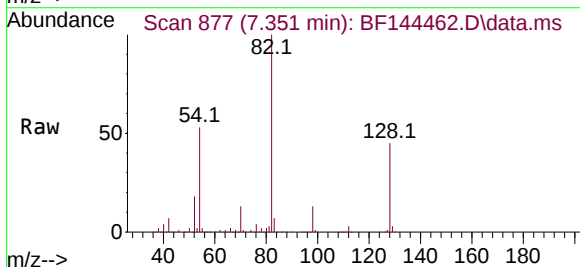
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.8	7.5	11.3
68	6.9	5.8	8.8

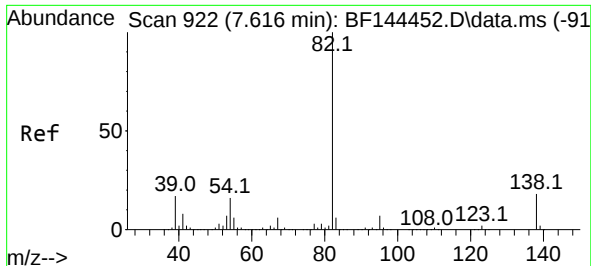


#23
Nitrobenzene-d5
Concen: 62.410 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

Tgt Ion: 82 Resp: 750384

Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.5	53.3
54	53.1	43.3	64.9

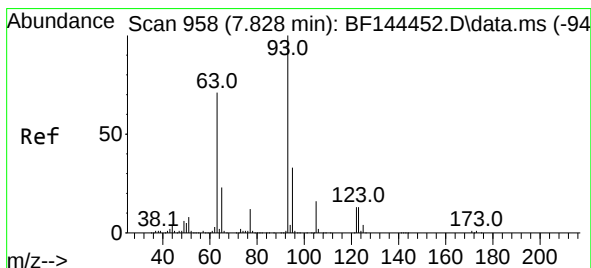
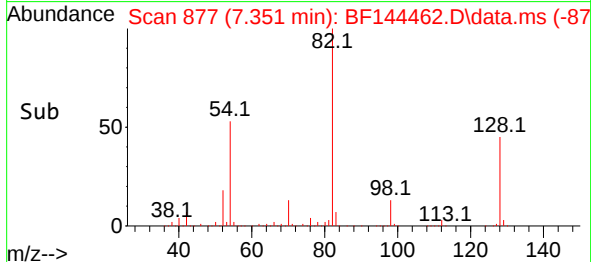
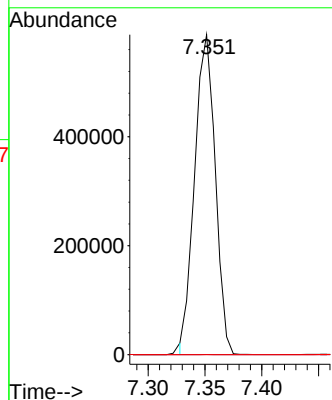
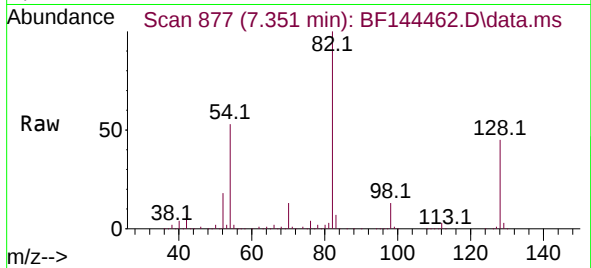




#25
Isophorone
Concen: 27.315 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

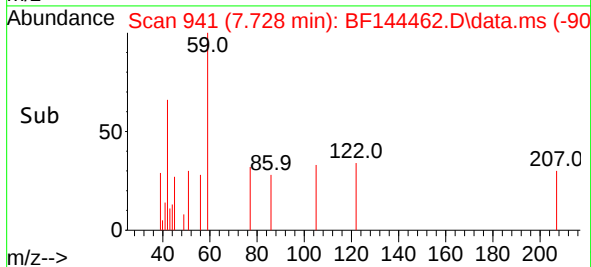
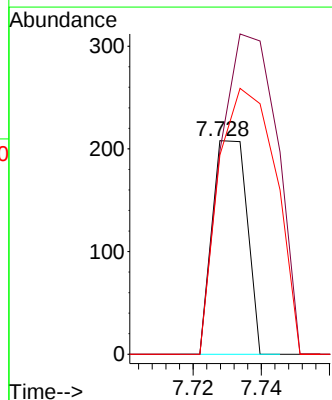
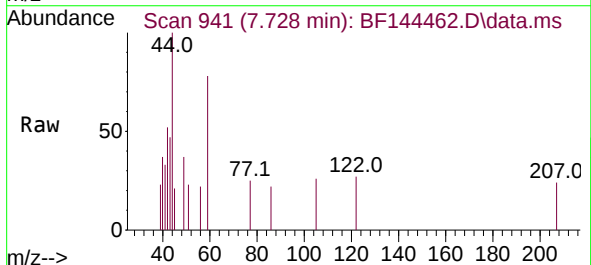
Instrument :
BNA_F
ClientSampleId :
C0B02

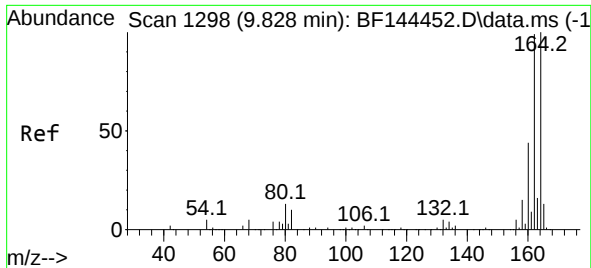
Tgt Ion: 82 Resp: 741194
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.4 21.6#



#32
Benzoic acid
Concen: 6.481 ng
RT: 7.728 min Scan# 941
Delta R.T. -0.100 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

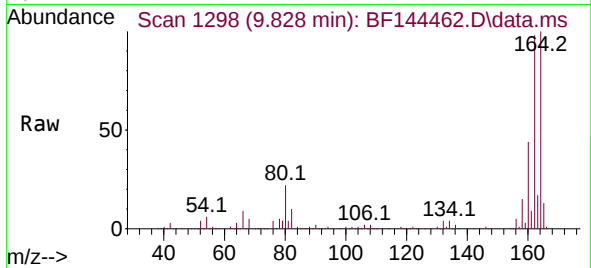
Tgt Ion: 122 Resp: 146
Ion Ratio Lower Upper
122 100
105 95.2 103.2 143.2#
77 93.3 75.1 115.1



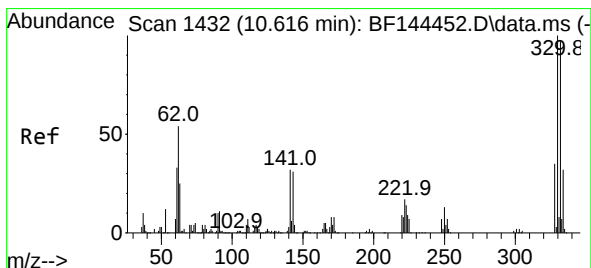
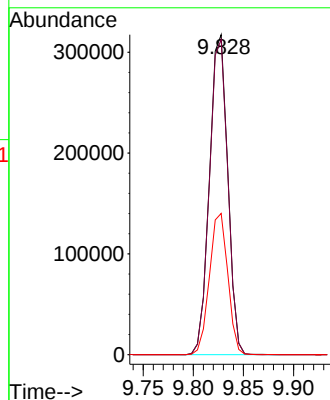
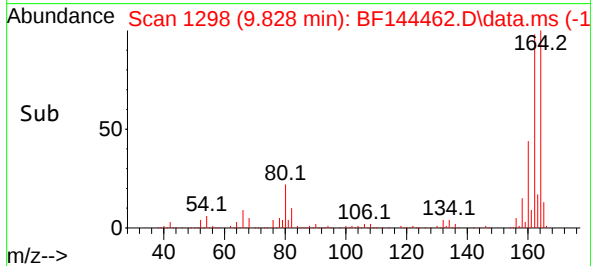


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

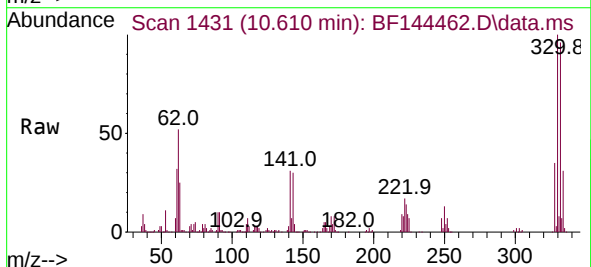
Instrument :
BNA_F
ClientSampleId :
C0B02



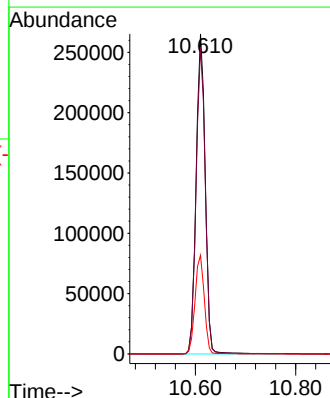
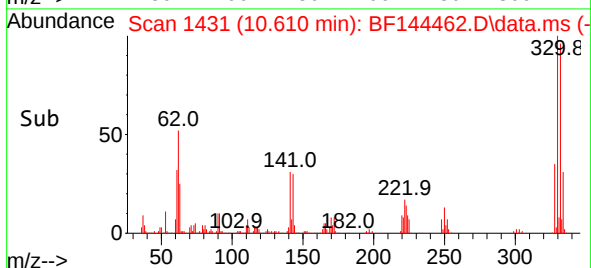
Tgt Ion:164 Resp: 401821
Ion Ratio Lower Upper
164 100
162 98.5 79.2 118.8
160 44.1 35.3 52.9

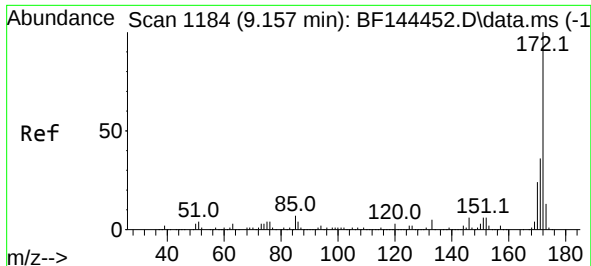


#42
2,4,6-Tribromophenol
Concen: 91.562 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01



Tgt Ion:330 Resp: 332632
Ion Ratio Lower Upper
330 100
332 96.1 77.5 116.3
141 31.4 26.2 39.2





#45

2-Fluorobiphenyl

Concen: 50.013 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF144462.D

Acq: 12 Dec 2025 21:01

Instrument :

BNA_F

ClientSampleId :

C0B02

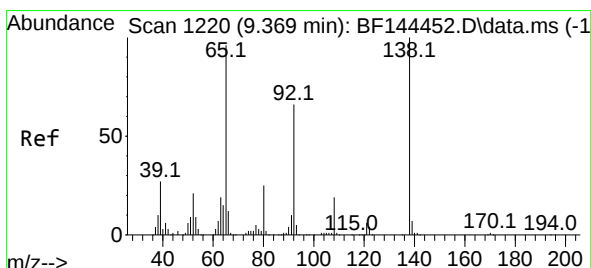
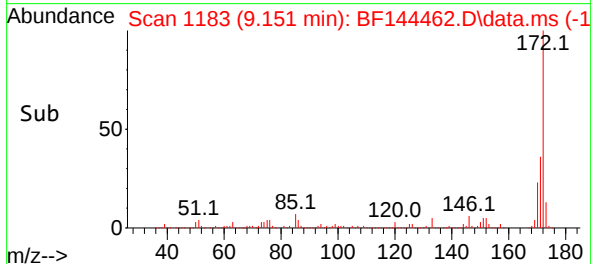
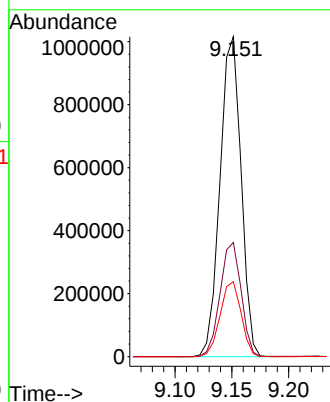
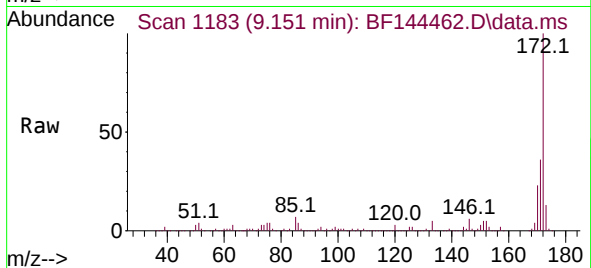
Tgt Ion:172 Resp: 1309993

Ion Ratio Lower Upper

172 100

171 35.7 28.7 43.1

170 23.4 19.3 28.9



#48

2-Nitroaniline

Concen: 3.969 ng

RT: 9.145 min Scan# 1182

Delta R.T. -0.224 min

Lab File: BF144462.D

Acq: 12 Dec 2025 21:01

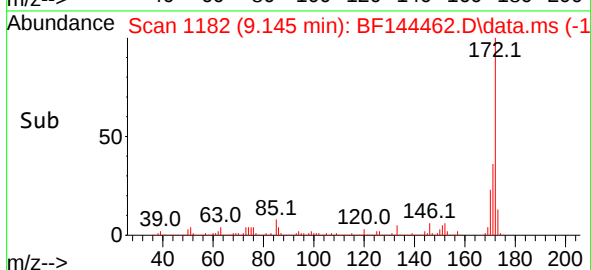
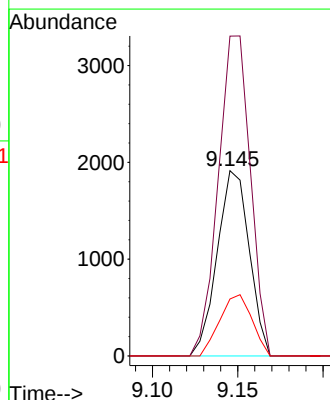
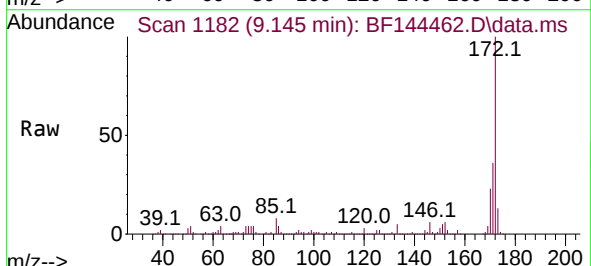
Tgt Ion: 65 Resp: 2502

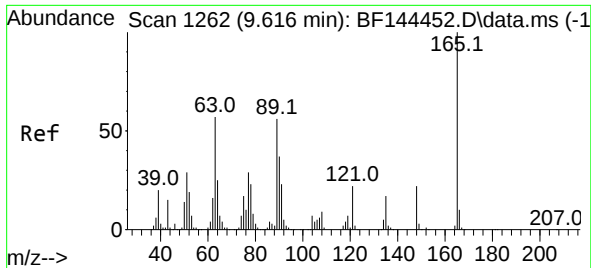
Ion Ratio Lower Upper

65 100

92 172.6 55.0 82.4#

138 30.7 83.4 125.2#

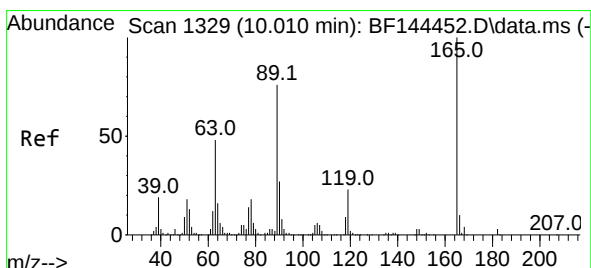
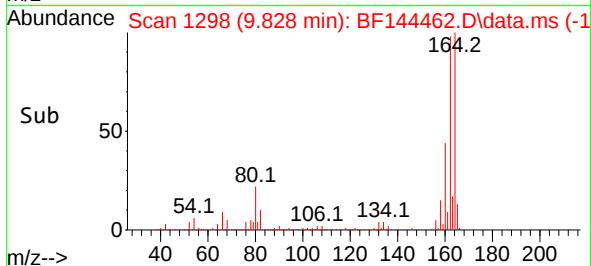
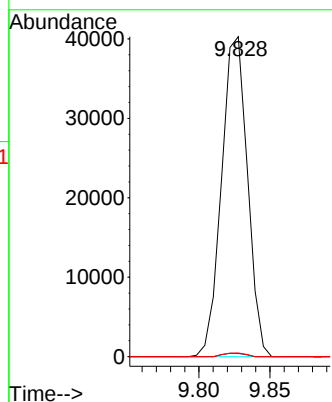
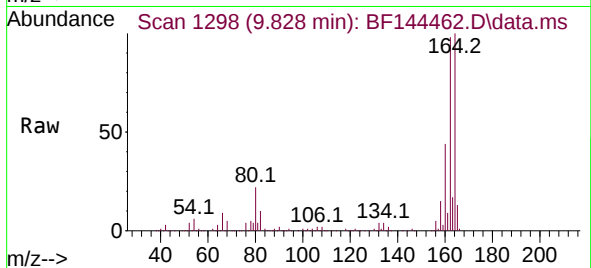




#51
2,6-Dinitrotoluene
Concen: 13.361 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.212 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

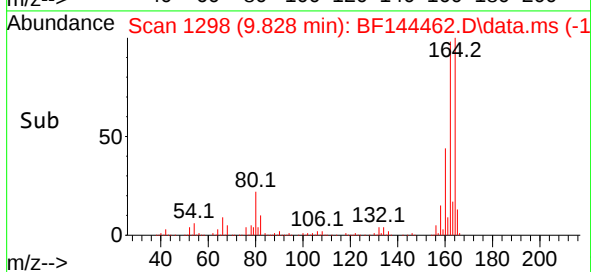
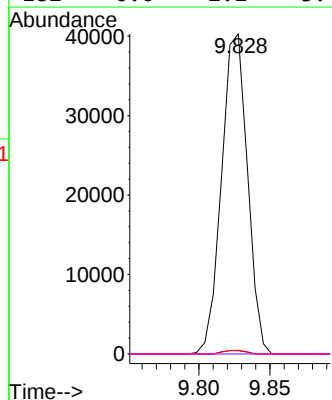
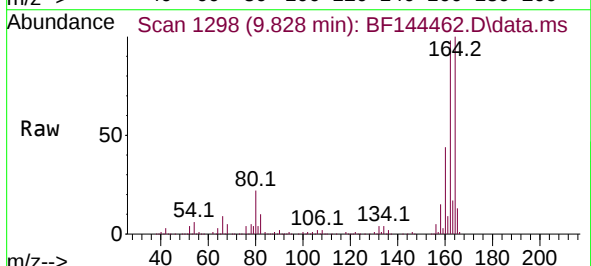
Instrument :
BNA_F
ClientSampleId :
C0B02

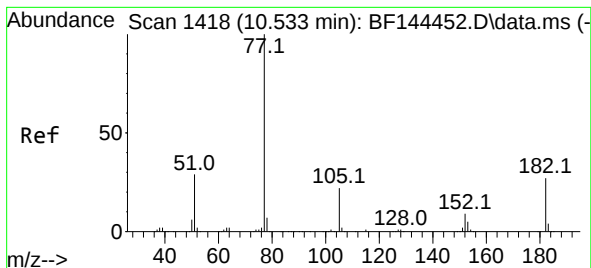
Tgt Ion:165 Resp: 51182
Ion Ratio Lower Upper
165 100
63 1.0 45.9 68.9#
89 1.1 44.6 67.0#



#57
2,4-Dinitrotoluene
Concen: 10.811 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.182 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

Tgt Ion:165 Resp: 51182
Ion Ratio Lower Upper
165 100
63 1.0 38.2 57.4#
89 1.1 61.2 91.8#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 4.690 ng

RT: 10.539 min Scan# 1418

Delta R.T. 0.006 min

Lab File: BF144462.D

Acq: 12 Dec 2025 21:01

Instrument :

BNA_F

ClientSampleId :

C0B02

Tgt Ion: 77 Resp: 127497

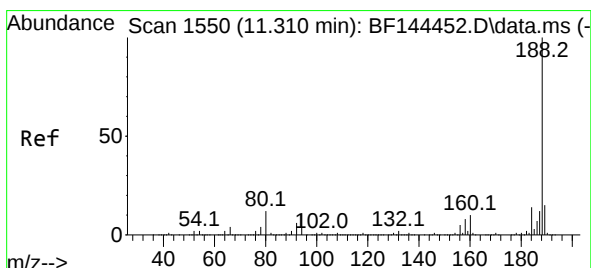
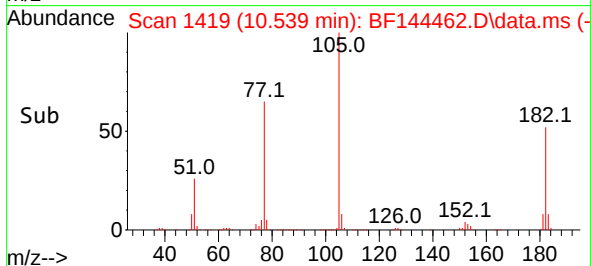
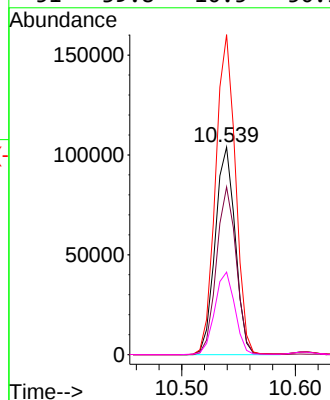
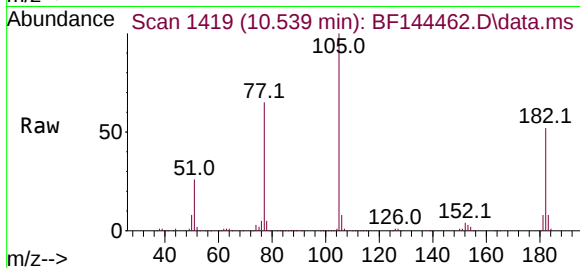
Ion Ratio Lower Upper

77 100

182 80.8 6.1 46.1#

105 154.2 1.5 41.5#

51 39.8 10.5 50.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF144462.D

Acq: 12 Dec 2025 21:01

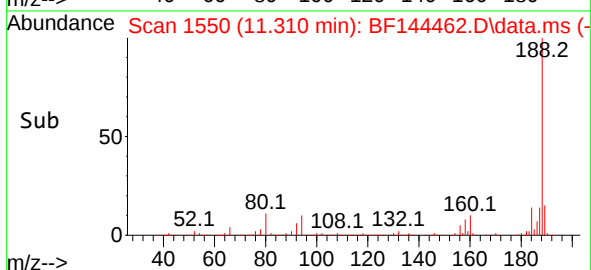
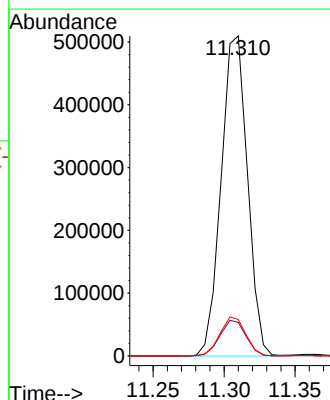
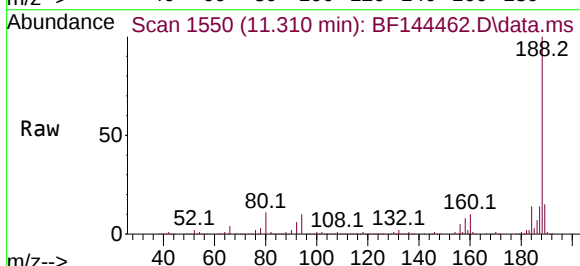
Tgt Ion:188 Resp: 657309

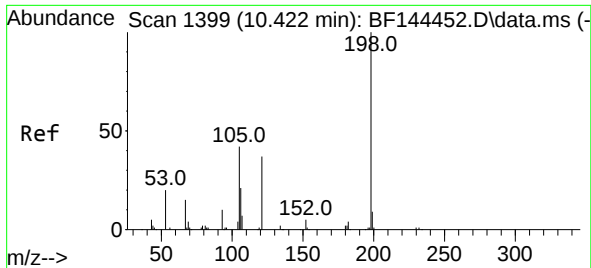
Ion Ratio Lower Upper

188 100

94 10.5 9.0 13.6

80 11.4 9.8 14.8

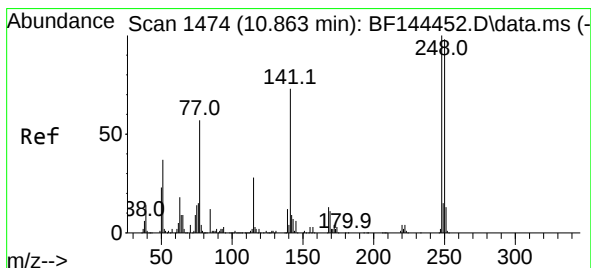
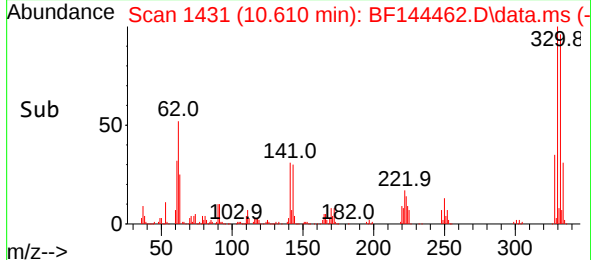
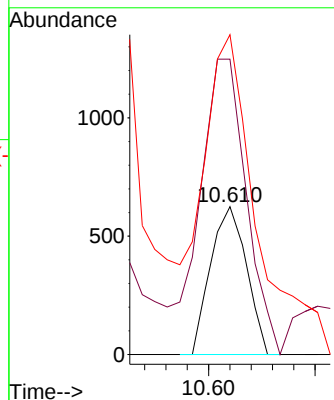
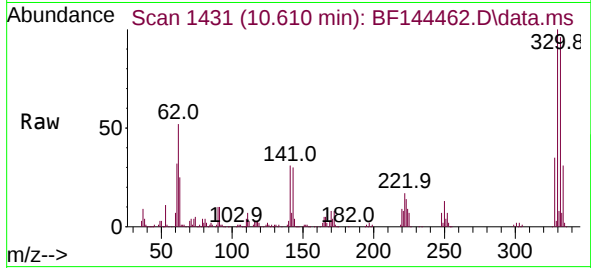




#65
4,6-Dinitro-2-methylphenol
Concen: 7.033 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.188 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

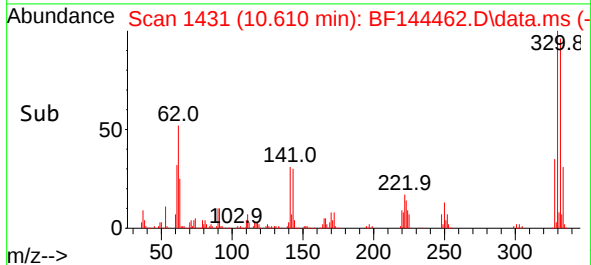
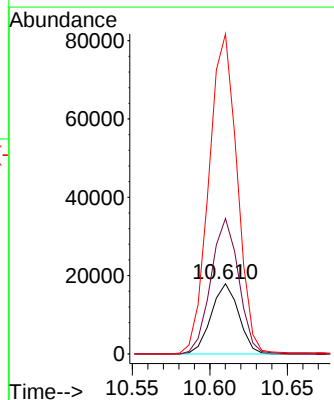
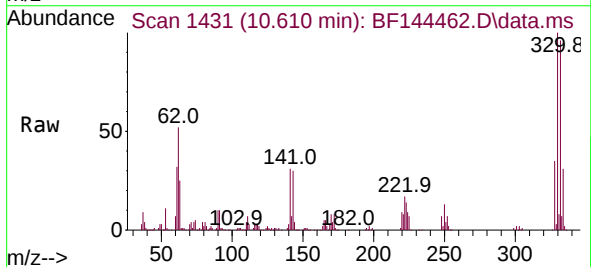
Instrument :
BNA_F
ClientSampleId :
C0B02

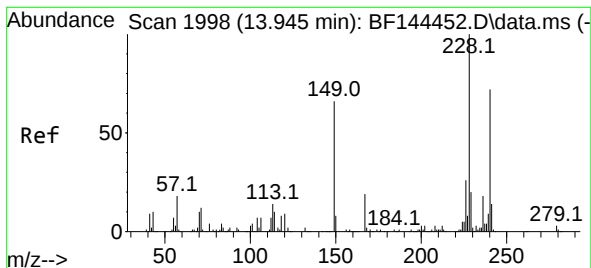
Tgt Ion:198 Resp: 732
Ion Ratio Lower Upper
198 100
51 199.7 25.5 65.5#
105 216.3 23.4 63.4#



#67
4-Bromophenyl-phenylether
Concen: 2.883 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.253 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

Tgt Ion:248 Resp: 22123
Ion Ratio Lower Upper
248 100
250 192.9 78.2 117.4#
141 455.7 58.5 87.7#

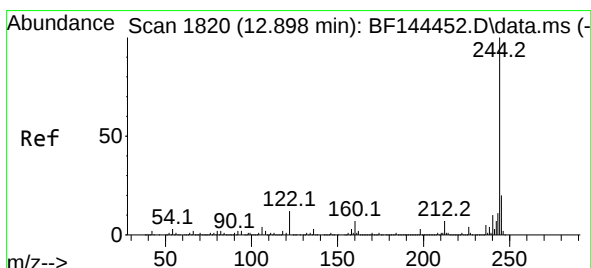
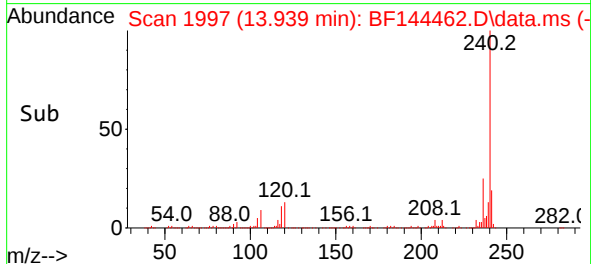
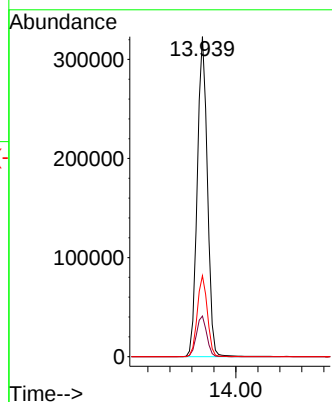
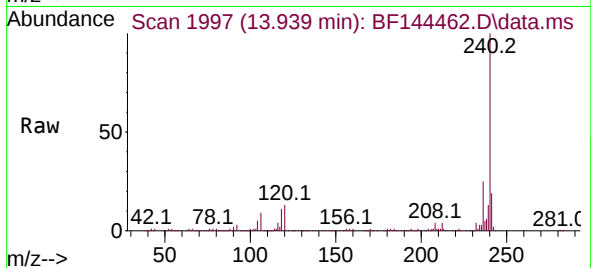




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

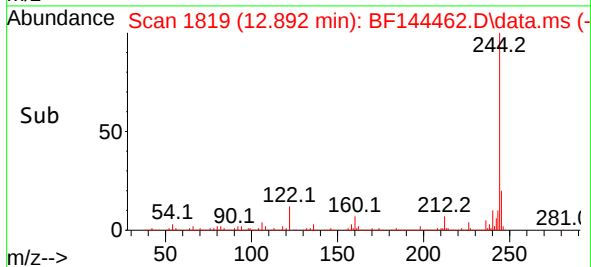
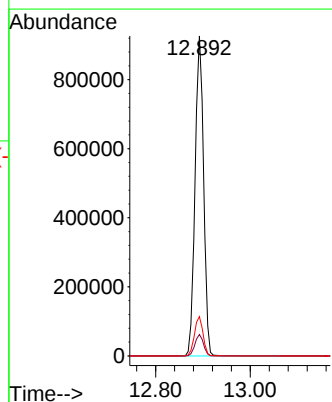
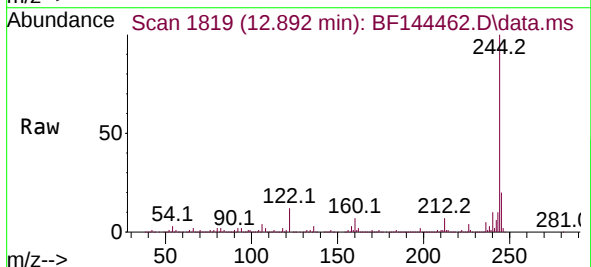
Instrument :
BNA_F
ClientSampleId :
C0B02

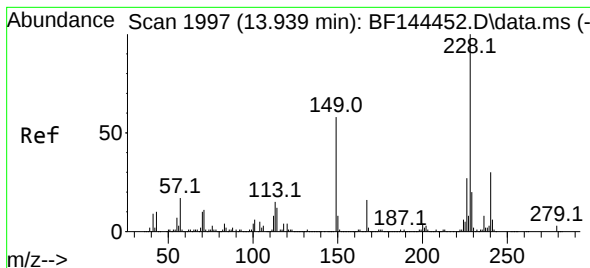
Tgt Ion:240 Resp: 412607
Ion Ratio Lower Upper
240 100
120 12.7 10.3 15.5
236 25.3 20.2 30.4



#79
Terphenyl-d14
Concen: 44.341 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

Tgt Ion:244 Resp: 1158826
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 12.3 9.9 14.9

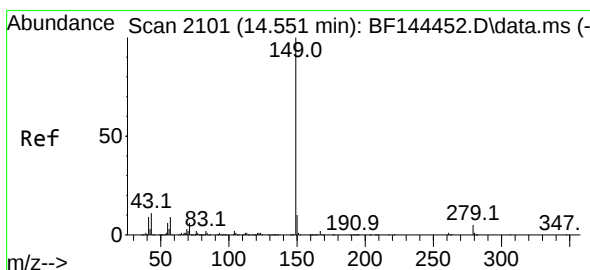
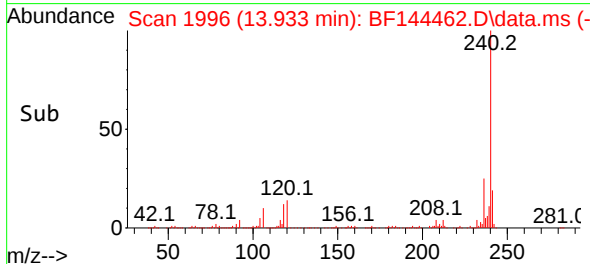
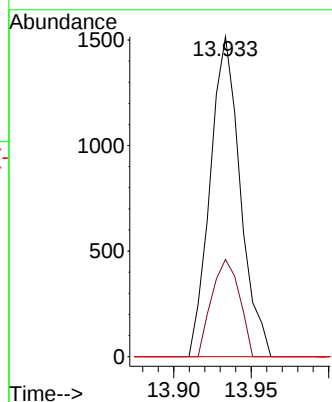
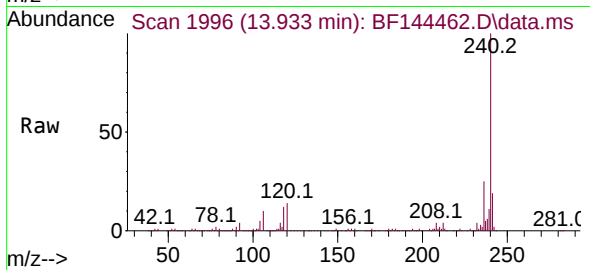




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.038 ng
RT: 13.933 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

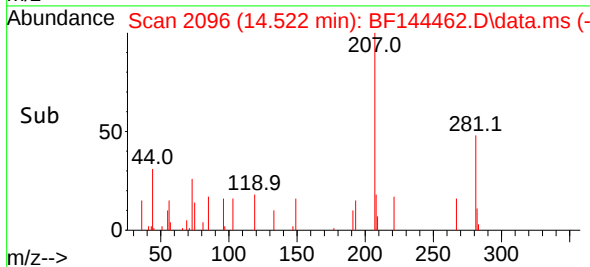
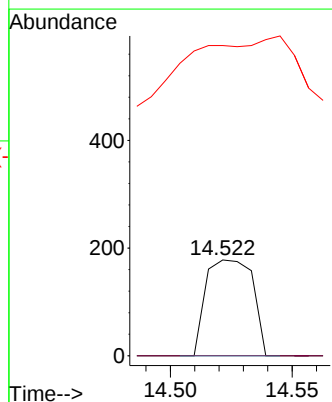
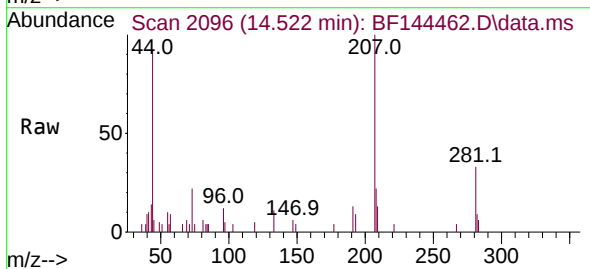
Instrument :
BNA_F
ClientSampleId :
C0B02

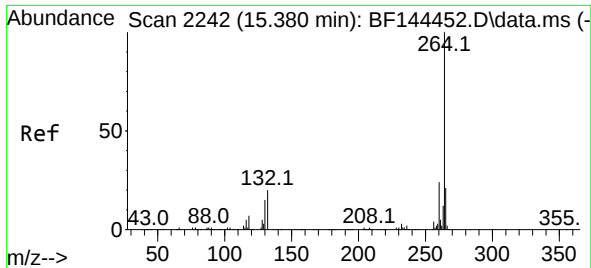
Tgt Ion:149 Resp: 2053
Ion Ratio Lower Upper
149 100
167 30.4 22.6 34.0
279 0.0 3.7 5.5#



#85
Di-n-octyl phthalate
Concen: 6.511 ng
RT: 14.522 min Scan# 2096
Delta R.T. -0.029 min
Lab File: BF144462.D
Acq: 12 Dec 2025 21:01

Tgt Ion:149 Resp: 237
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 9.2 13.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.374 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF144462.D
 Acq: 12 Dec 2025 21:01

Instrument :
 BNA_F
 ClientSampleId :
 C0B02

Tgt Ion:264 Resp: 387916
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.6
 265 21.9 17.1 25.7

