

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121225\
 Data File : BF144460.D
 Acq On : 12 Dec 2025 20:02
 Operator : RC/JU
 Sample : Q3839-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0AS2

Quant Time: Dec 12 23:33:47 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)

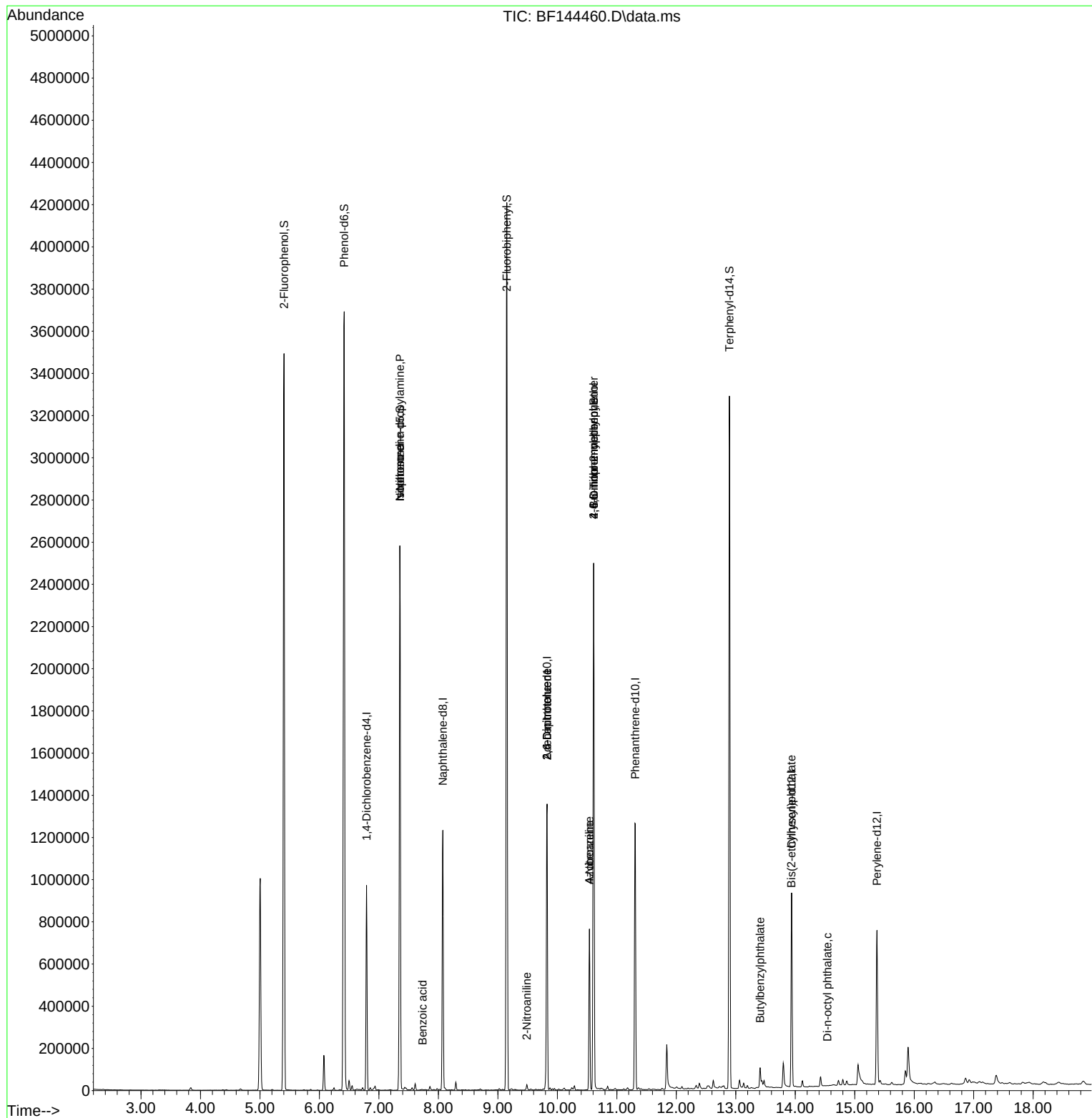
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	194872	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	762684	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	411086	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	655543	20.000	ng	0.00
76) Chrysene-d12	13.939	240	423206	20.000	ng	0.00
86) Perylene-d12	15.374	264	400401	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1388210	107.412	ng	0.00
7) Phenol-d6	6.416	99	1945551	120.687	ng	0.00
23) Nitrobenzene-d5	7.351	82	1137962	93.369	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	415878	111.897	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1836529	68.535	ng	0.00
79) Terphenyl-d14	12.892	244	1573016	58.682	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	153180	15.043	ng	# 79
25) Isophorone	7.351	82	1127407	40.988	ng	# 65
32) Benzoic acid	7.734	122	241	6.492	ng	# 85
48) 2-Nitroaniline	9.486	65	482	3.696	ng	# 16
51) 2,6-Dinitrotoluene	9.828	165	52340	13.357	ng	# 24
57) 2,4-Dinitrotoluene	9.828	165	52340	10.808	ng	# 21
62) 4-Nitroaniline	10.539	138	53	2.522	ng	# 20
63) Azobenzene	10.539	77	187422	6.738	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	792	7.052	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	26849	3.508	ng	# 1
80) Butylbenzylphthalate	13.410	149	2820	3.463	ng	# 29
84) Bis(2-ethylhexyl)phtha...	13.933	149	2841	3.085	ng	# 89
85) Di-n-octyl phthalate	14.539	149	134	6.507	ng	# 73

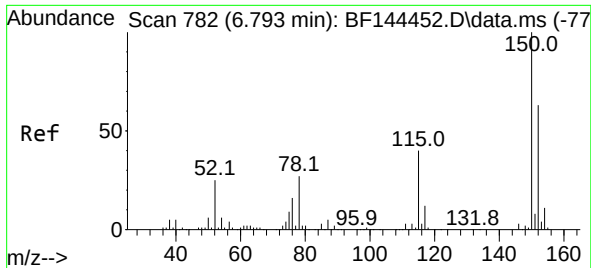
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121225\
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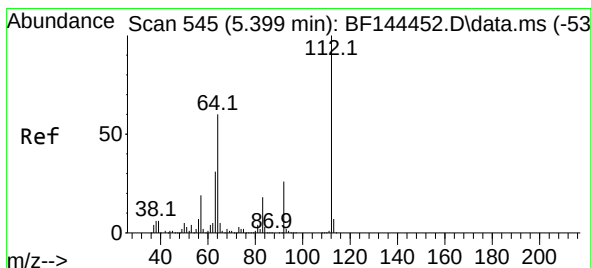
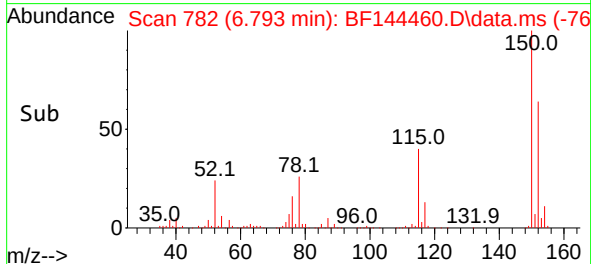
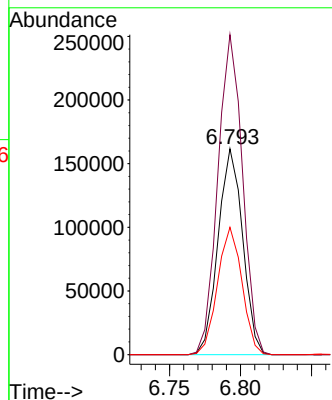
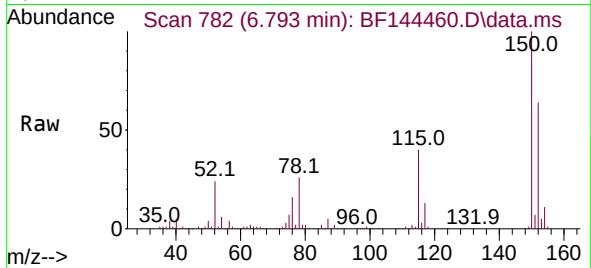




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 782
 Delta R.T. -0.000 min
 Lab File: BF144460.D
 Acq: 12 Dec 2025 20:02

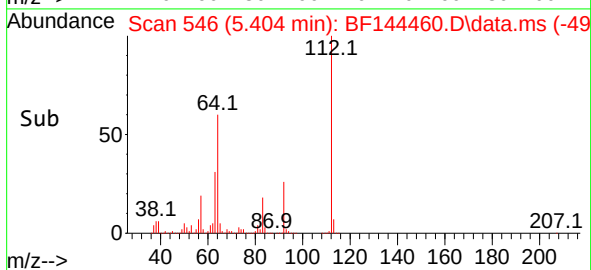
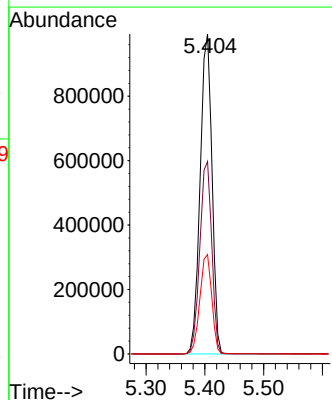
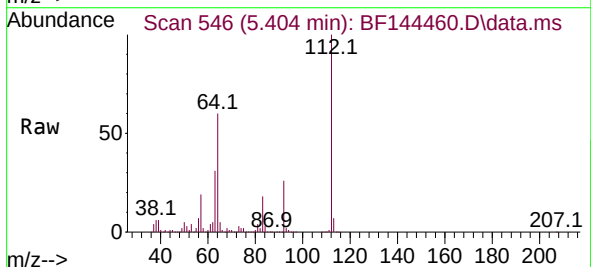
Instrument :
 BNA_F
 ClientSampleId :
 C0AS2

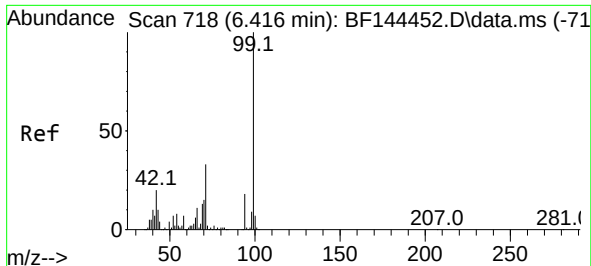
Tgt Ion:152 Resp: 194872
 Ion Ratio Lower Upper
 152 100
 150 155.4 127.4 191.2
 115 61.8 51.4 77.0



#5
 2-Fluorophenol
 Concen: 107.412 ng
 RT: 5.404 min Scan# 546
 Delta R.T. 0.006 min
 Lab File: BF144460.D
 Acq: 12 Dec 2025 20:02

Tgt Ion:112 Resp: 1388210
 Ion Ratio Lower Upper
 112 100
 64 60.1 47.8 71.6
 63 31.0 24.6 37.0

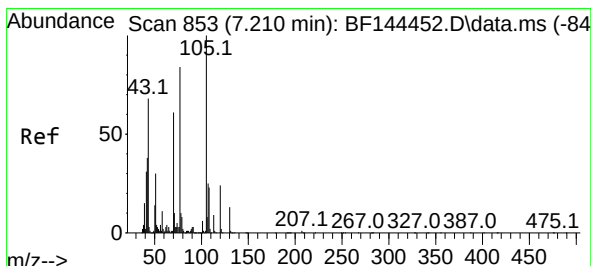
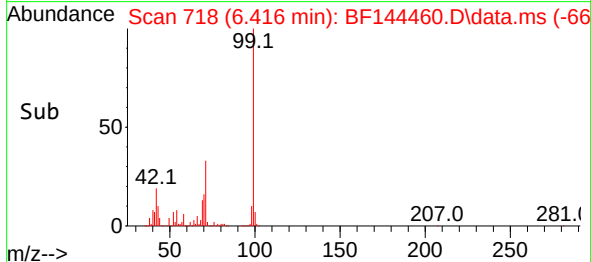
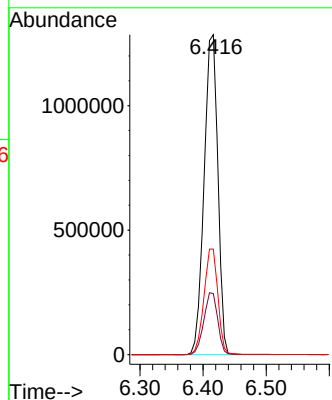
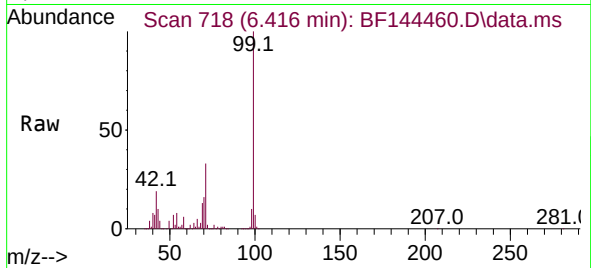




#7
Phenol-d6
Concen: 120.687 ng
RT: 6.416 min Scan# 718
Delta R.T. -0.000 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

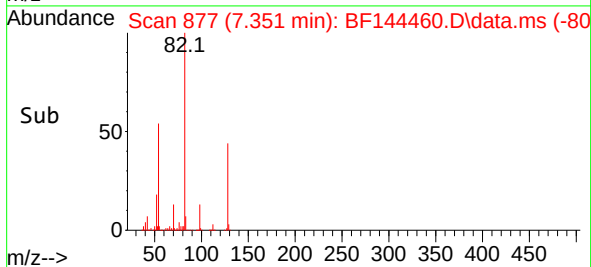
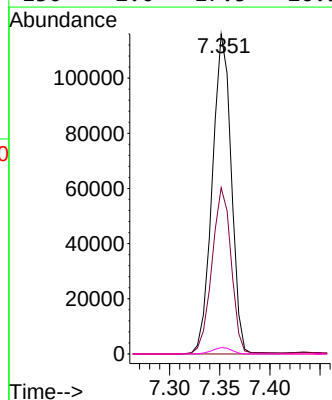
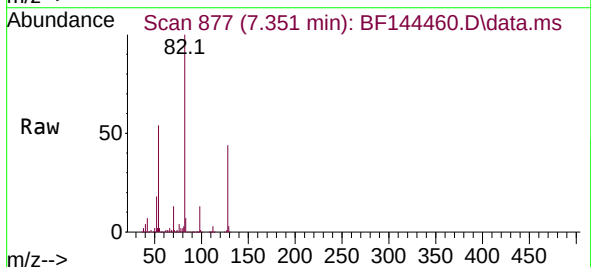
Instrument :
BNA_F
ClientSampleId :
C0AS2

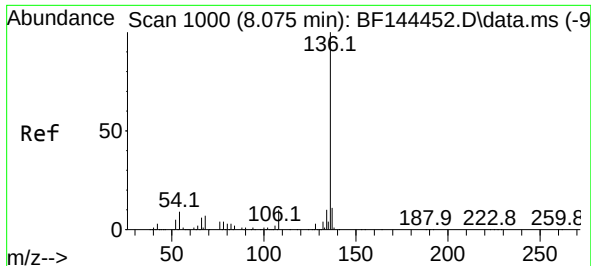
Tgt Ion: 99 Resp: 1945551
Ion Ratio Lower Upper
99 100
42 19.1 15.7 23.5
71 33.0 26.4 39.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.043 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

Tgt Ion: 70 Resp: 153180
Ion Ratio Lower Upper
70 100
42 51.9 49.4 74.0
101 0.0 7.8 11.6#
130 2.0 17.5 26.3#



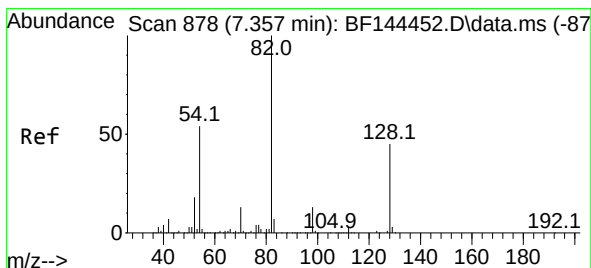
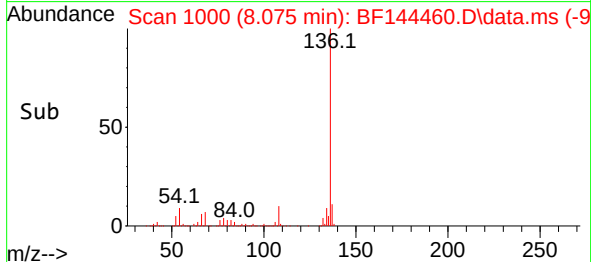
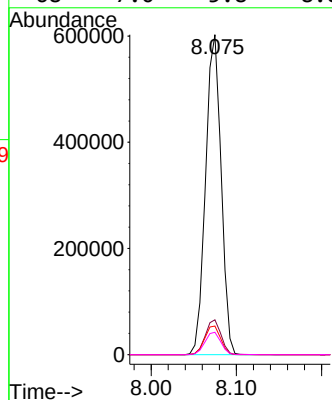
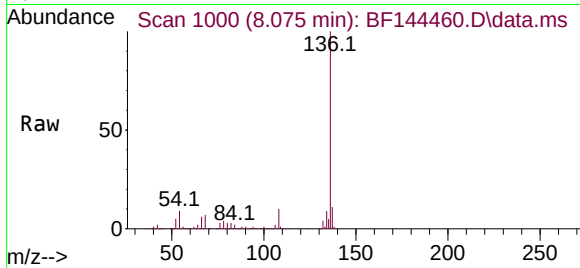


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

Instrument :
BNA_F
ClientSampleId :
C0AS2

Tgt Ion:136 Resp: 762684

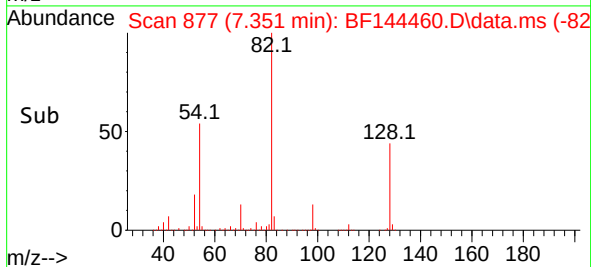
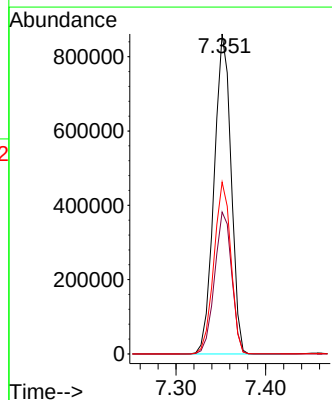
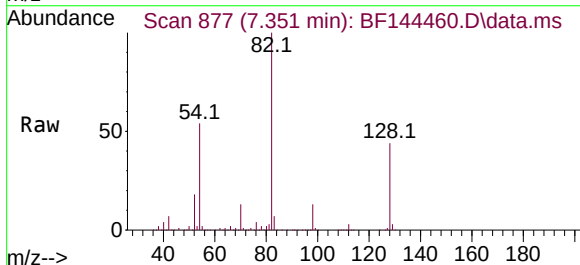
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.9	7.5	11.3
68	7.0	5.8	8.8

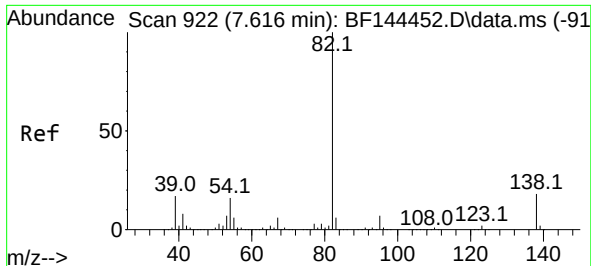


#23
Nitrobenzene-d5
Concen: 93.369 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

Tgt Ion: 82 Resp: 1137962

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.5	53.3
54	53.7	43.3	64.9

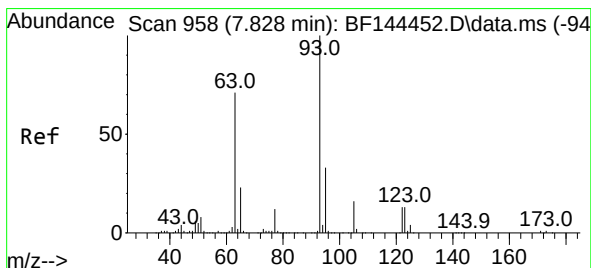
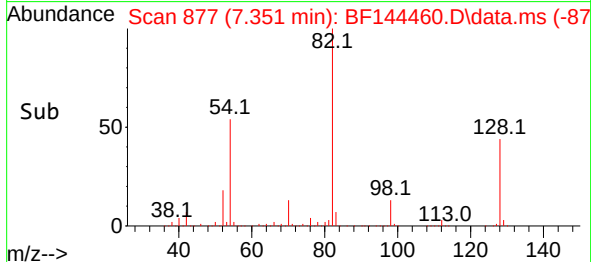
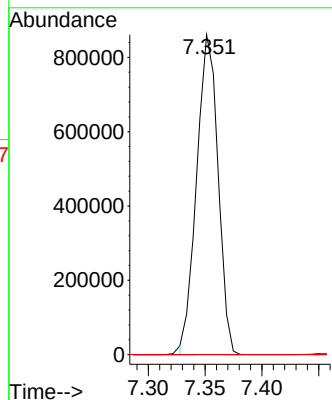
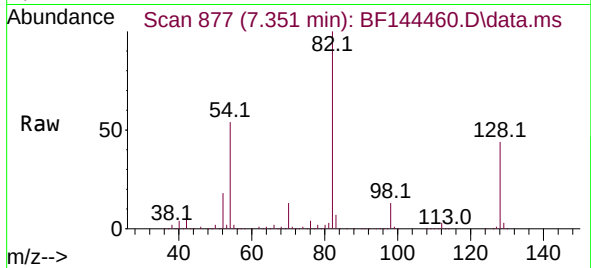




#25
Isophorone
Concen: 40.988 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

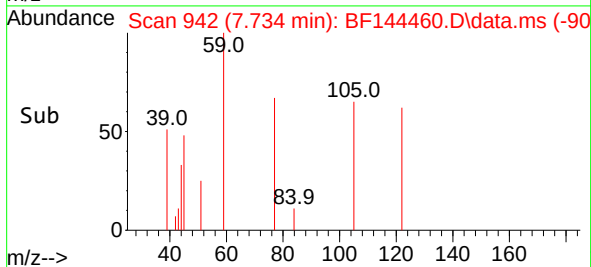
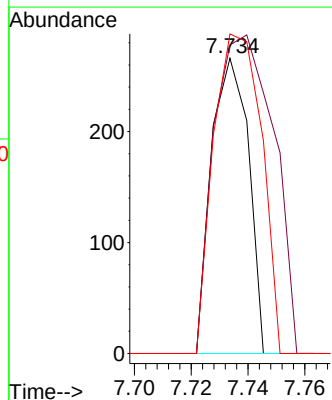
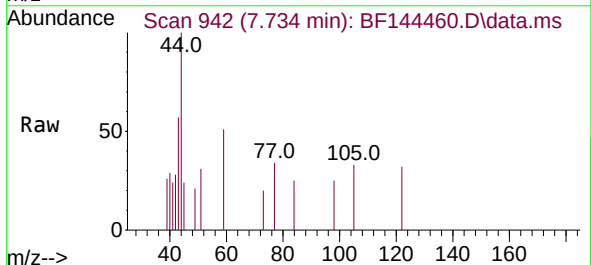
Instrument :
BNA_F
ClientSampleId :
C0AS2

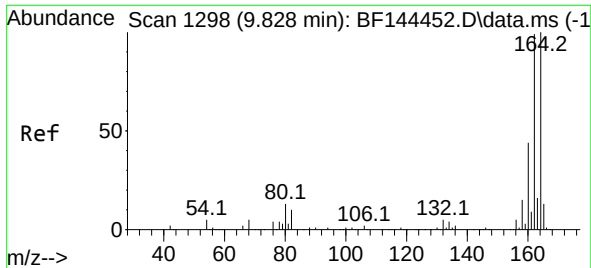
Tgt Ion: 82 Resp: 1127407
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.4 21.6#



#32
Benzoic acid
Concen: 6.492 ng
RT: 7.734 min Scan# 942
Delta R.T. -0.094 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

Tgt Ion:122 Resp: 241
Ion Ratio Lower Upper
122 100
105 104.5 103.2 143.2
77 108.3 75.1 115.1

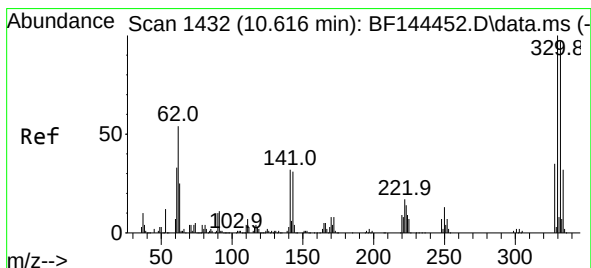
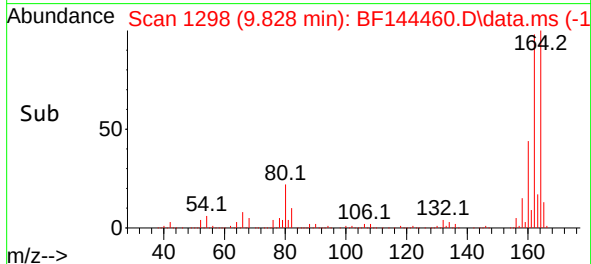
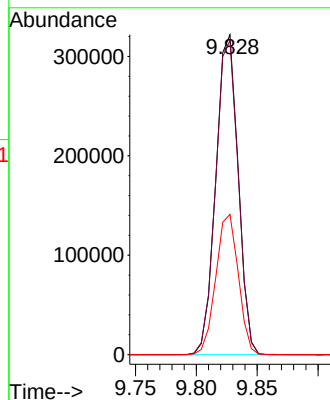
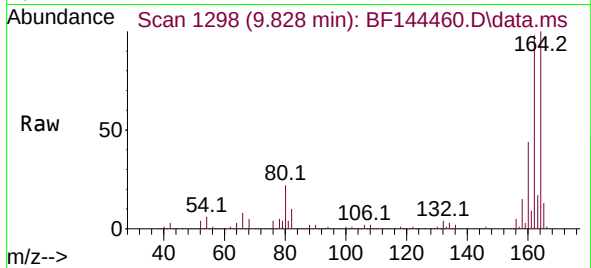




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

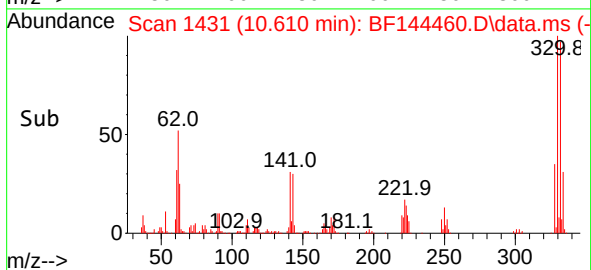
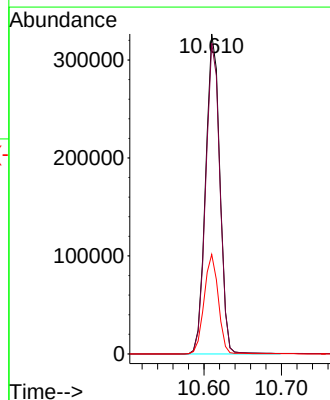
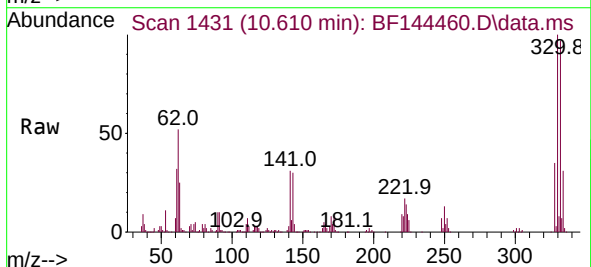
Instrument :
BNA_F
ClientSampleId :
C0AS2

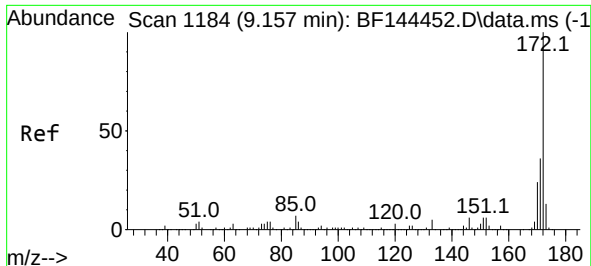
Tgt Ion:164 Resp: 411086
Ion Ratio Lower Upper
164 100
162 98.2 79.2 118.8
160 43.8 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 111.897 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

Tgt Ion:330 Resp: 415878
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 31.0 26.2 39.2





#45

2-Fluorobiphenyl

Concen: 68.535 ng

RT: 9.151 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF144460.D

Acq: 12 Dec 2025 20:02

Instrument :

BNA_F

ClientSampleId :

C0AS2

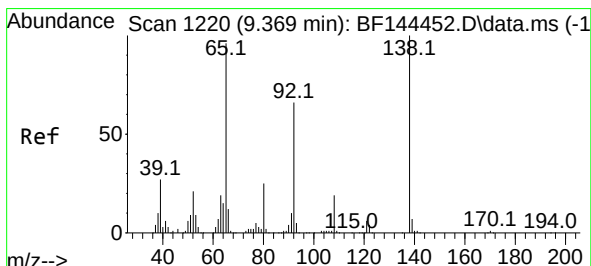
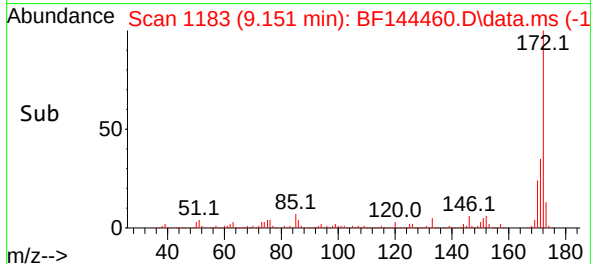
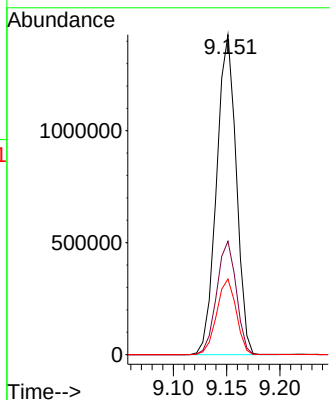
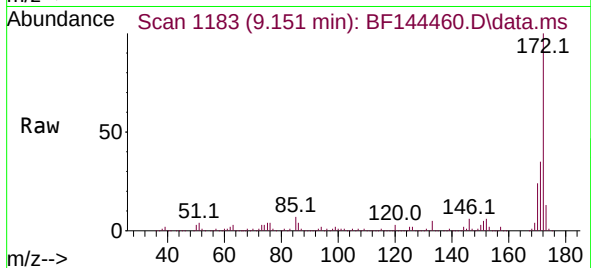
Tgt Ion:172 Resp: 1836529

Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

170 23.6 19.3 28.9



#48

2-Nitroaniline

Concen: 3.696 ng

RT: 9.486 min Scan# 1240

Delta R.T. 0.117 min

Lab File: BF144460.D

Acq: 12 Dec 2025 20:02

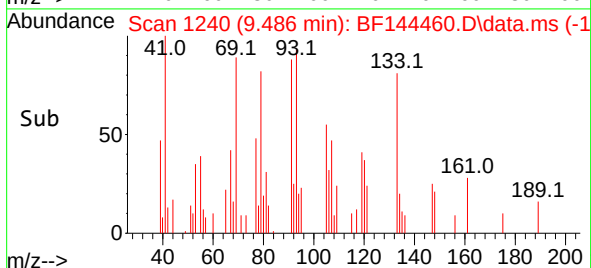
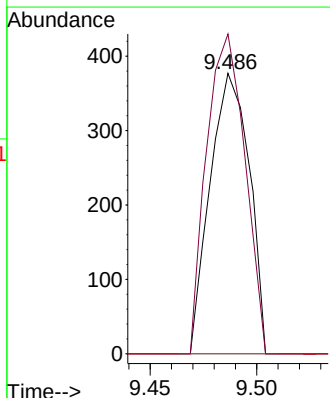
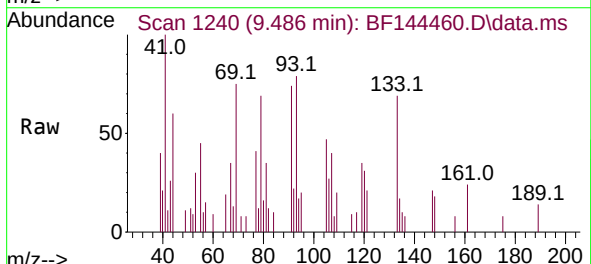
Tgt Ion: 65 Resp: 482

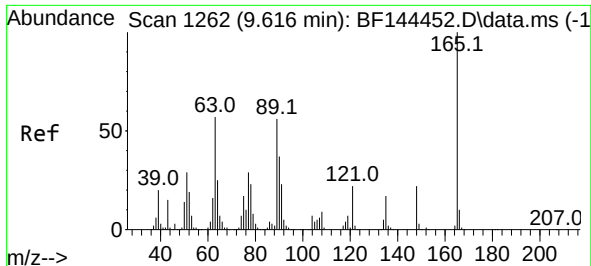
Ion Ratio Lower Upper

65 100

92 114.1 55.0 82.4#

138 0.0 83.4 125.2#

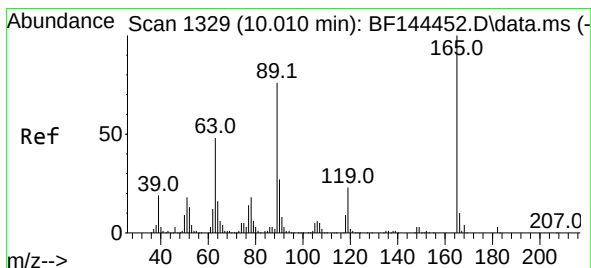
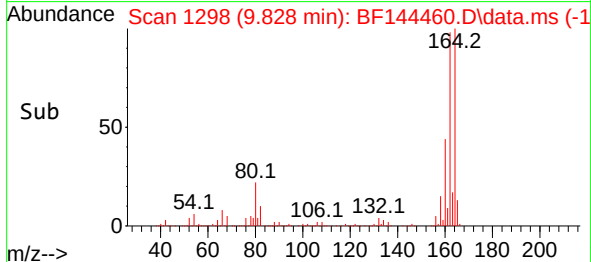
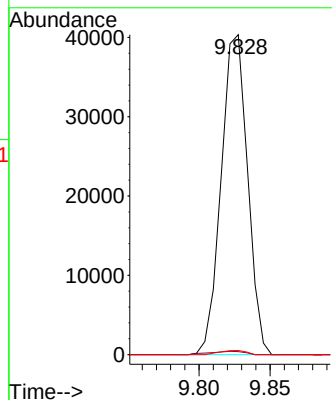
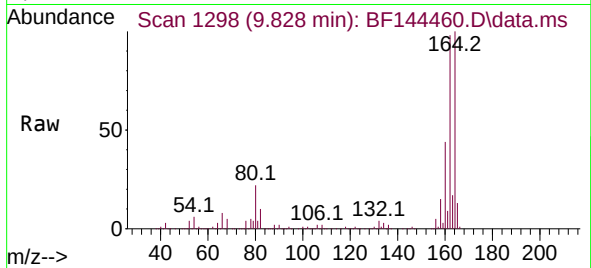




#51
2,6-Dinitrotoluene
Concen: 13.357 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.212 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

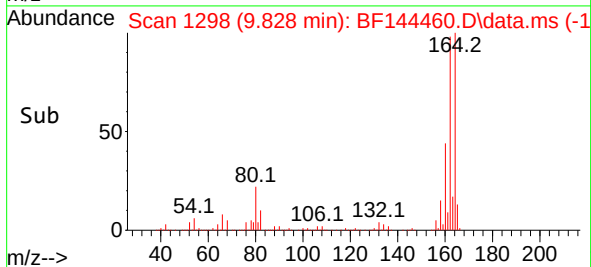
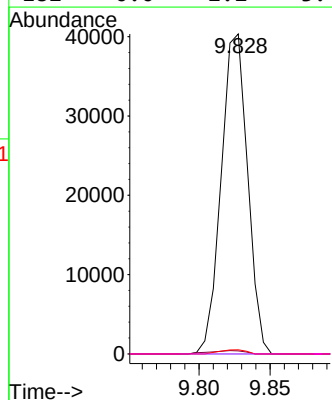
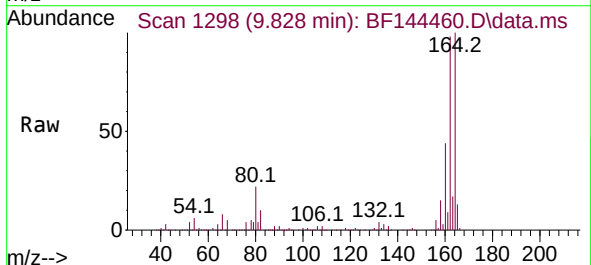
Instrument :
BNA_F
ClientSampleId :
C0AS2

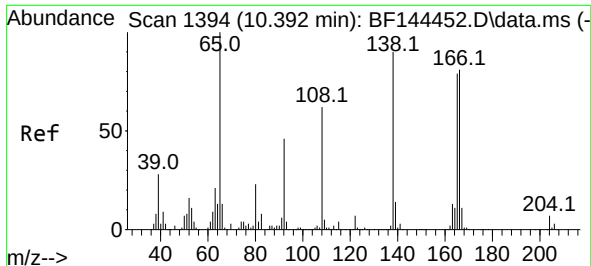
Tgt Ion:165 Resp: 52340
Ion Ratio Lower Upper
165 100
63 0.9 45.9 68.9#
89 1.3 44.6 67.0#



#57
2,4-Dinitrotoluene
Concen: 10.808 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.182 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

Tgt Ion:165 Resp: 52340
Ion Ratio Lower Upper
165 100
63 0.9 38.2 57.4#
89 1.3 61.2 91.8#
182 0.0 2.2 3.4#

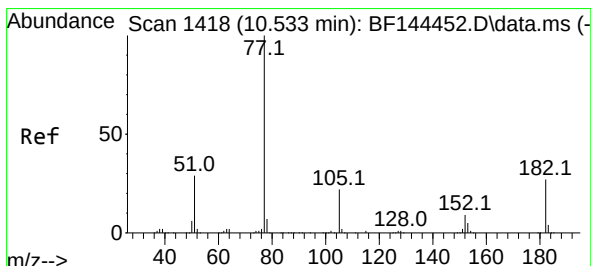
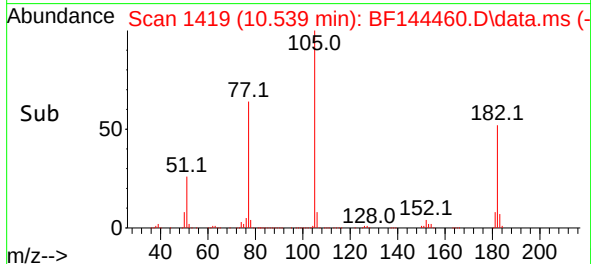
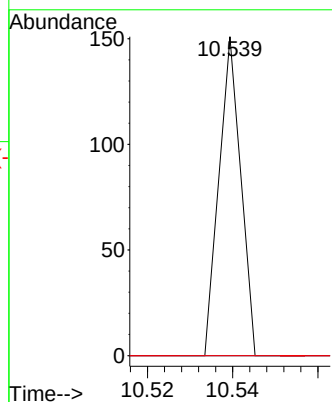
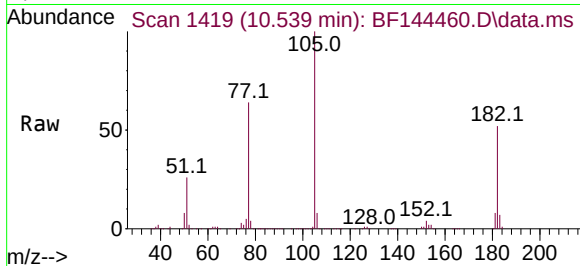




#62
4-Nitroaniline
Concen: 2.522 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.147 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

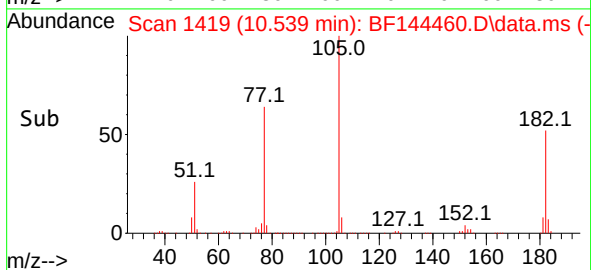
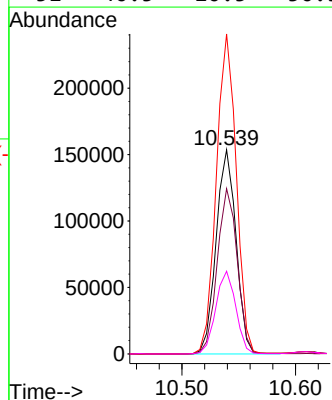
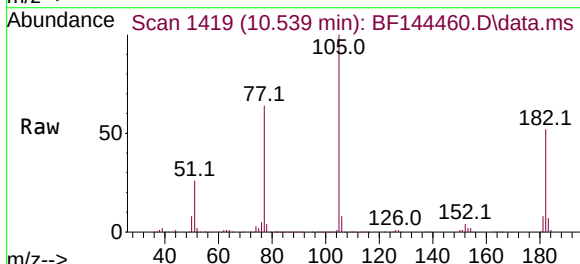
Instrument :
BNA_F
ClientSampleId :
C0AS2

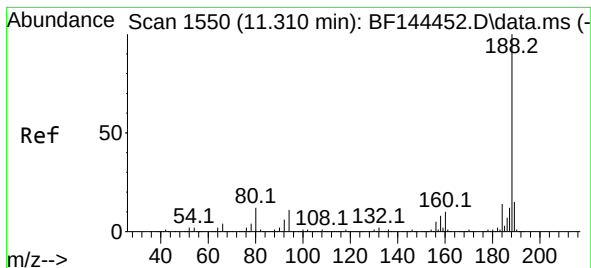
Tgt Ion:138 Resp: 53
Ion Ratio Lower Upper
138 100
92 0.0 30.8 70.8#
108 0.0 49.2 89.2#



#63
Azobenzene
Concen: 6.738 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

Tgt Ion: 77 Resp: 187422
Ion Ratio Lower Upper
77 100
182 81.0 6.1 46.1#
105 156.8 1.5 41.5#
51 40.5 10.5 50.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF144460.D

Acq: 12 Dec 2025 20:02

Instrument :

BNA_F

ClientSampleId :

C0AS2

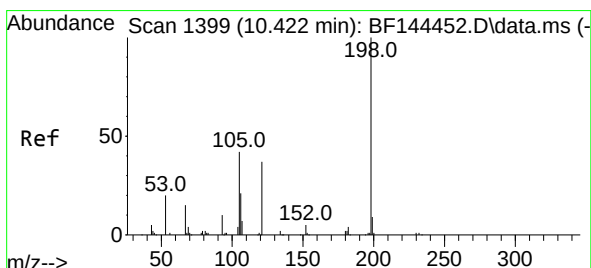
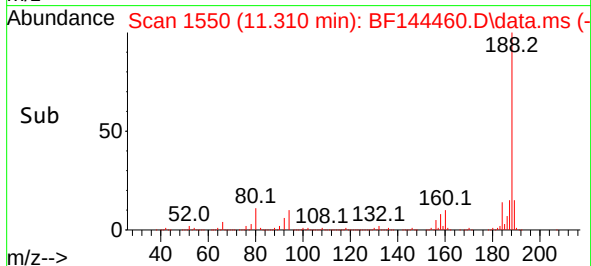
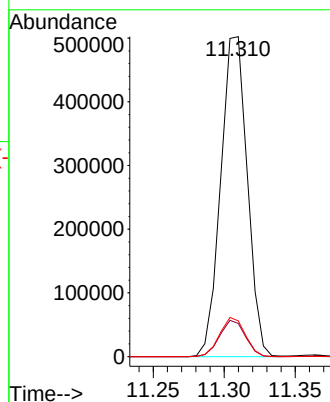
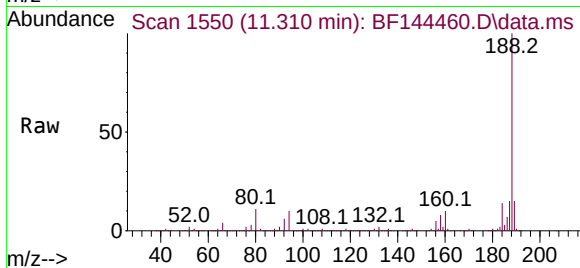
Tgt Ion:188 Resp: 655543

Ion Ratio Lower Upper

188 100

94 10.4 9.0 13.6

80 11.2 9.8 14.8



#65

4,6-Dinitro-2-methylphenol

Concen: 7.052 ng

RT: 10.610 min Scan# 1431

Delta R.T. 0.188 min

Lab File: BF144460.D

Acq: 12 Dec 2025 20:02

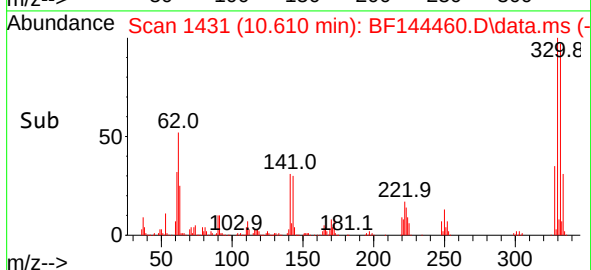
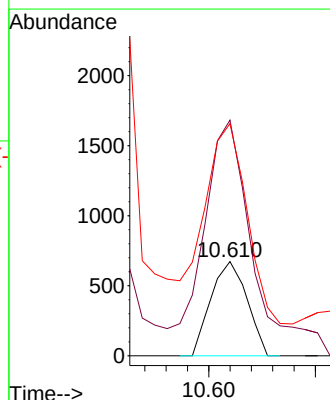
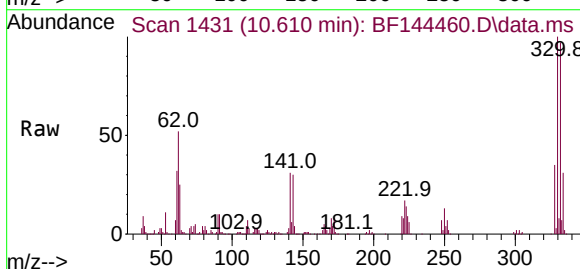
Tgt Ion:198 Resp: 792

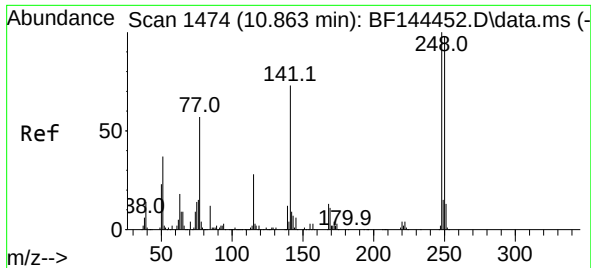
Ion Ratio Lower Upper

198 100

51 250.1 25.5 65.5#

105 246.2 23.4 63.4#

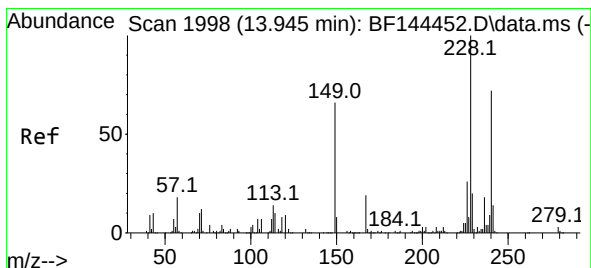
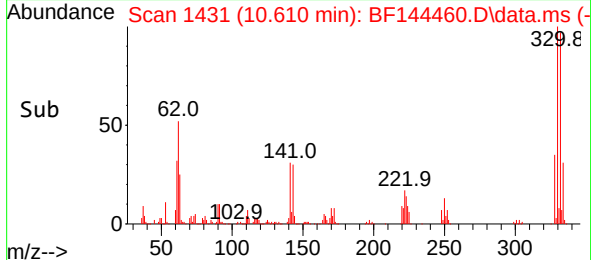
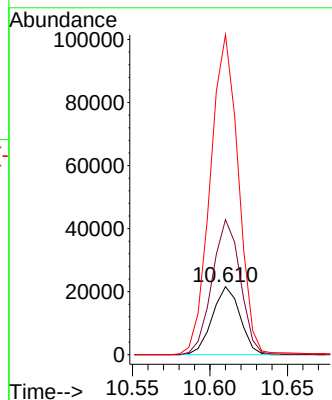
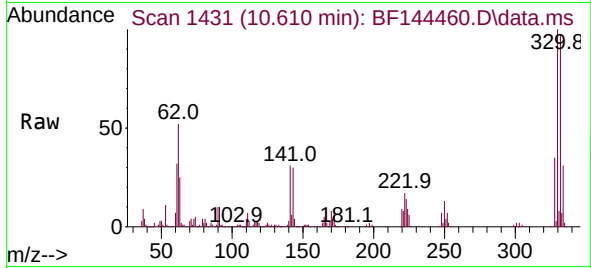




#67
4-Bromophenyl-phenylether
Concen: 3.508 ng
RT: 10.610 min Scan# 1474
Delta R.T. -0.253 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

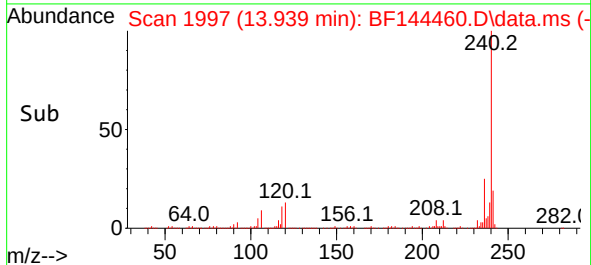
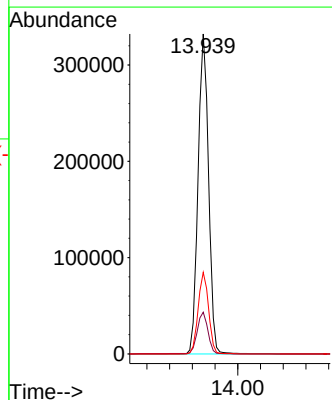
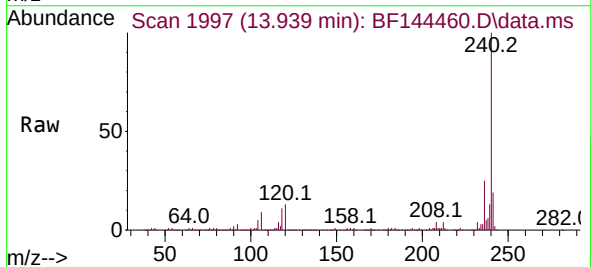
Instrument :
BNA_F
ClientSampleId :
C0AS2

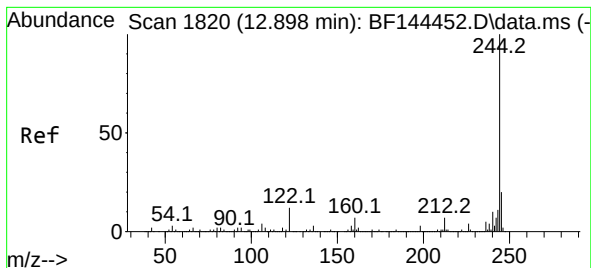
Tgt Ion:248 Resp: 26849
Ion Ratio Lower Upper
248 100
250 198.4 78.2 117.4#
141 470.6 58.5 87.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

Tgt Ion:240 Resp: 423206
Ion Ratio Lower Upper
240 100
120 13.0 10.3 15.5
236 25.5 20.2 30.4





#79

Terphenyl-d14

Concen: 58.682 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.006 min

Lab File: BF144460.D

Acq: 12 Dec 2025 20:02

Instrument :

BNA_F

ClientSampleId :

C0AS2

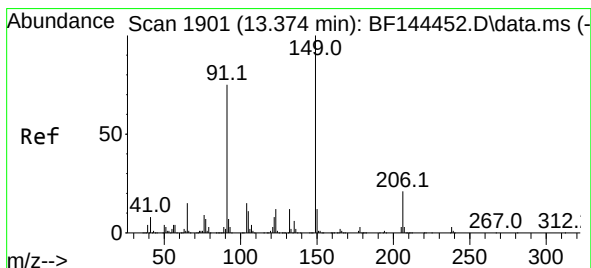
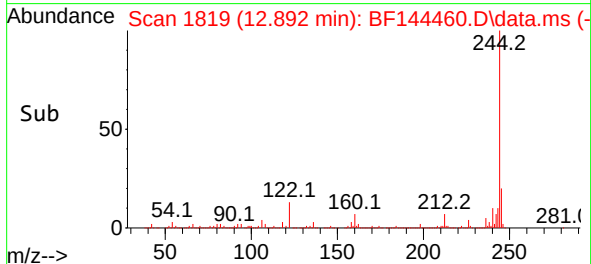
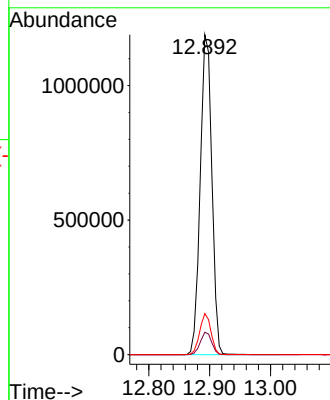
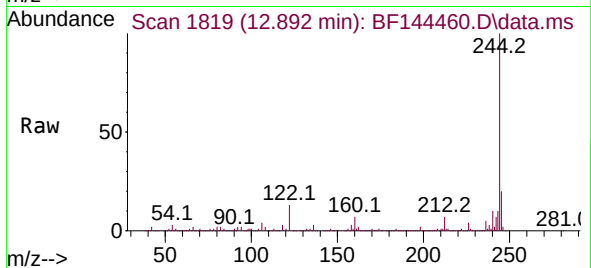
Tgt Ion:244 Resp: 1573016

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 12.8 9.9 14.9



#80

Butylbenzylphthalate

Concen: 3.463 ng

RT: 13.410 min Scan# 1907

Delta R.T. 0.036 min

Lab File: BF144460.D

Acq: 12 Dec 2025 20:02

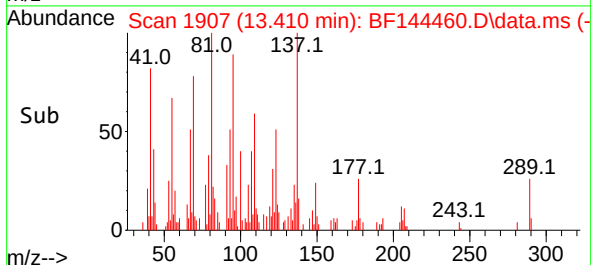
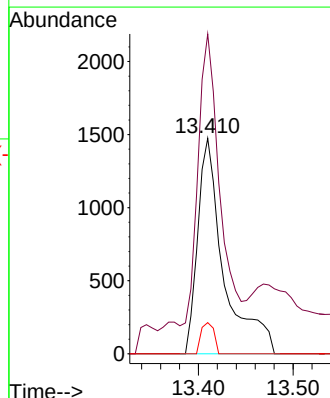
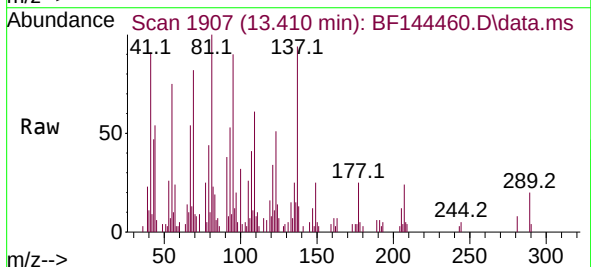
Tgt Ion:149 Resp: 2820

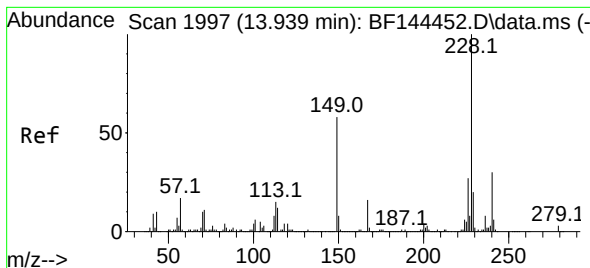
Ion Ratio Lower Upper

149 100

91 148.4 59.8 89.8#

206 14.5 17.0 25.6#

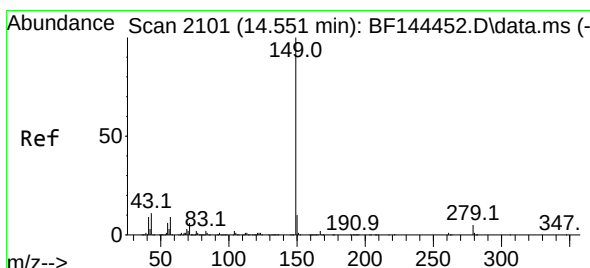
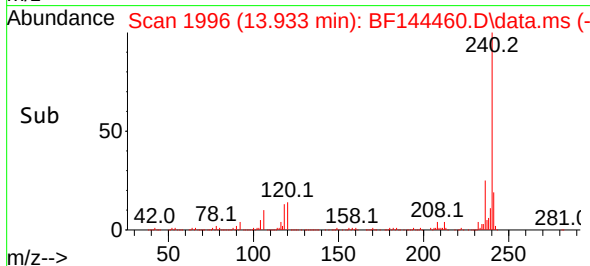
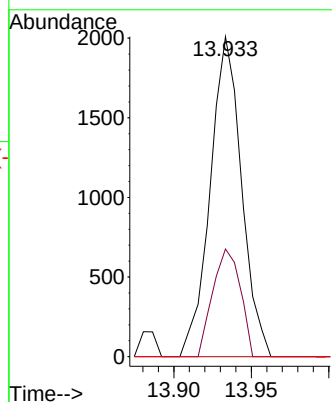
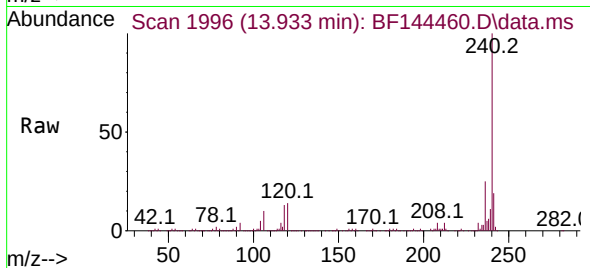




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.085 ng
RT: 13.933 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

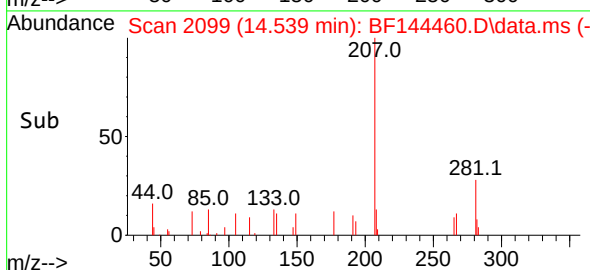
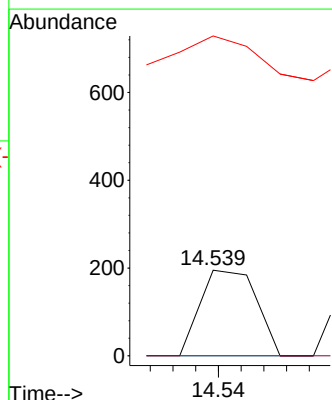
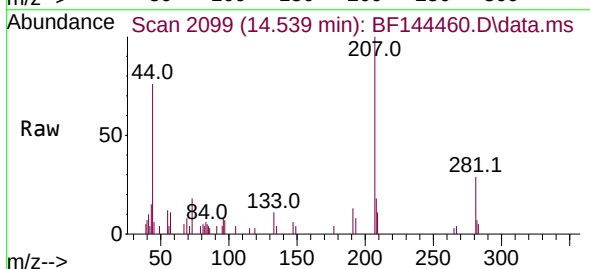
Instrument :
BNA_F
ClientSampleId :
C0AS2

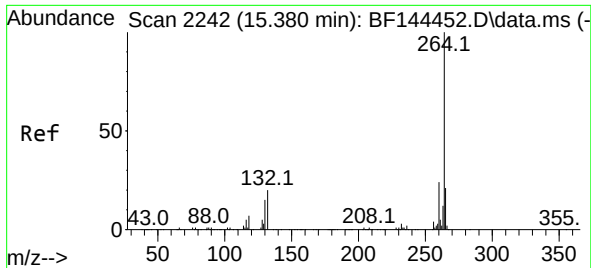
Tgt Ion:149 Resp: 2841
Ion Ratio Lower Upper
149 100
167 33.6 22.6 34.0
279 0.0 3.7 5.5#



#85
Di-n-octyl phthalate
Concen: 6.507 ng
RT: 14.539 min Scan# 2099
Delta R.T. -0.012 min
Lab File: BF144460.D
Acq: 12 Dec 2025 20:02

Tgt Ion:149 Resp: 134
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: BF144460.D
Acq: 12 Dec 2025 20:02

Instrument :
BNA_F
ClientSampleId :
C0AS2

Tgt Ion:264 Resp: 400401
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 21.1 17.1 25.7

