

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
 Data File : BF144482.D
 Acq On : 15 Dec 2025 19:04
 Operator : RC/JU
 Sample : Q3839-23
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0AT5

Quant Time: Dec 16 00:43:06 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)

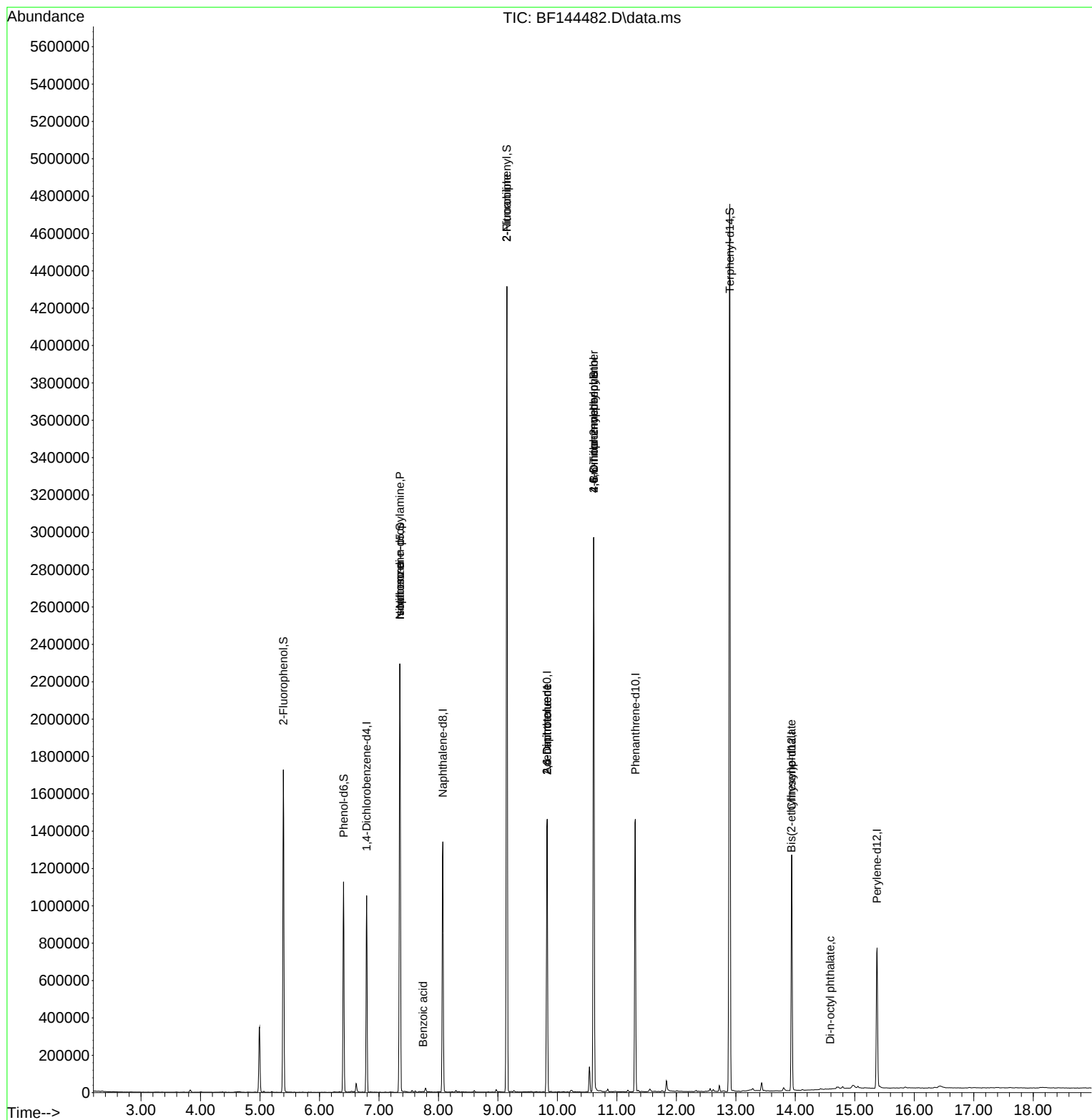
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	213047	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	827476	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	437540	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	742777	20.000	ng	0.00
76) Chrysene-d12	13.939	240	585600	20.000	ng	0.00
86) Perylene-d12	15.374	264	421916	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	639106	45.232	ng	0.00
7) Phenol-d6	6.404	99	492705	27.956	ng	-0.01
23) Nitrobenzene-d5	7.351	82	997792	75.458	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	517903	130.923	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1852711	64.959	ng	0.00
79) Terphenyl-d14	12.898	244	2406100	64.869	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	133458	11.988	ng	# 77
25) Isophorone	7.351	82	987710	33.097	ng	# 65
32) Benzoic acid	7.740	122	701	6.539	ng	95
48) 2-Nitroaniline	9.151	65	3320	4.043	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	57531	13.666	ng	# 24
57) 2,4-Dinitrotoluene	9.828	165	57531	11.035	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.610	198	1040	7.091	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	32743	3.776	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.933	149	685	2.937	ng	# 73
85) Di-n-octyl phthalate	14.586	149	111	6.505	ng	# 73

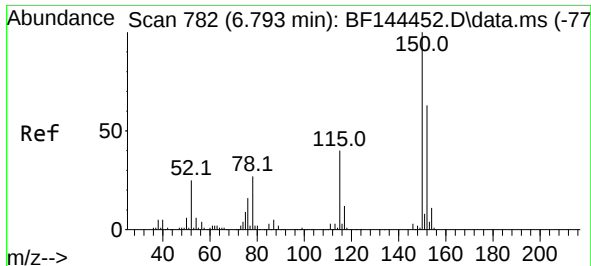
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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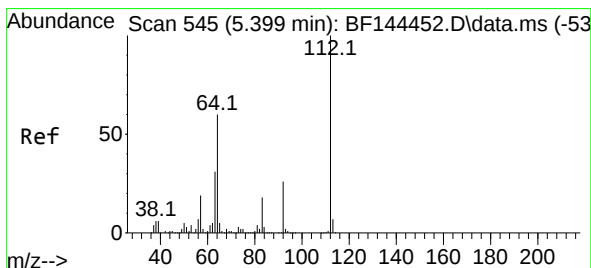
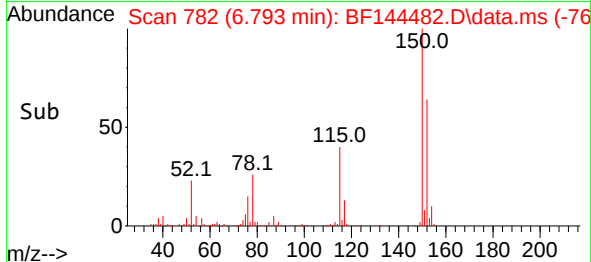
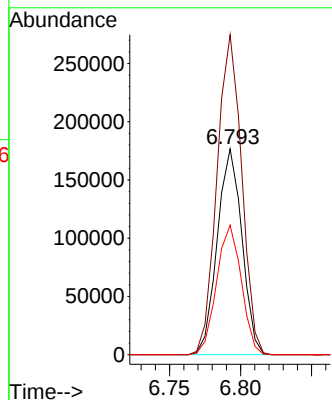
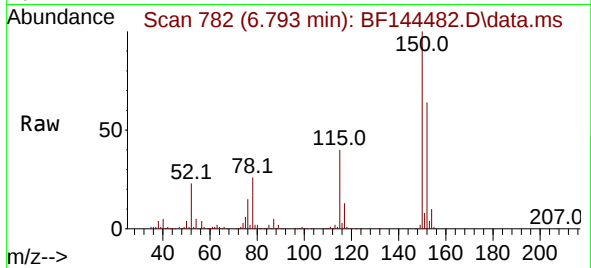




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

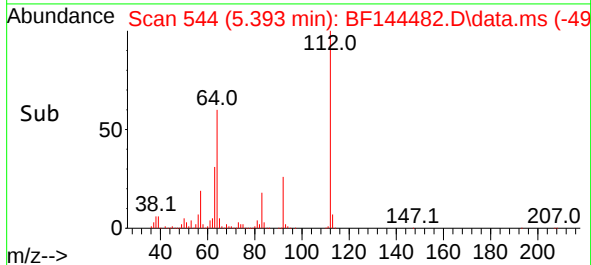
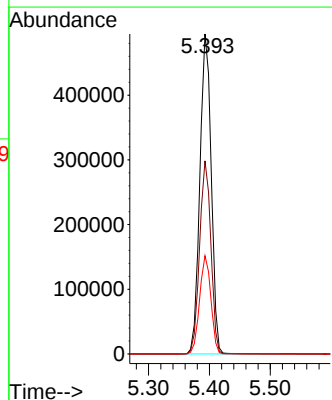
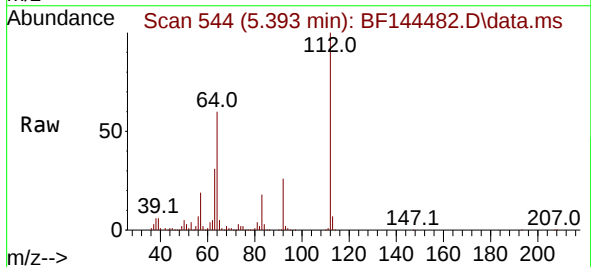
Instrument :
BNA_F
ClientSampleId :
C0AT5

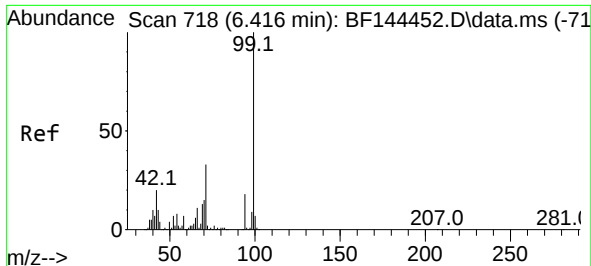
Tgt Ion:152 Resp: 213047
Ion Ratio Lower Upper
152 100
150 155.6 127.4 191.2
115 63.0 51.4 77.0



#5
2-Fluorophenol
Concen: 45.232 ng
RT: 5.393 min Scan# 544
Delta R.T. -0.006 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

Tgt Ion:112 Resp: 639106
Ion Ratio Lower Upper
112 100
64 60.3 47.8 71.6
63 30.7 24.6 37.0

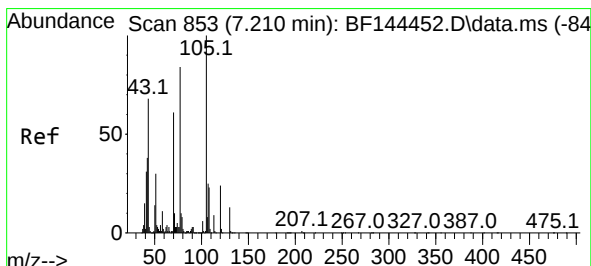
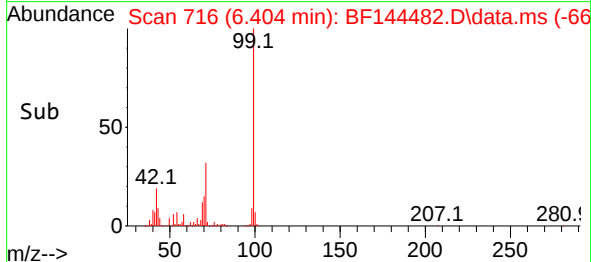
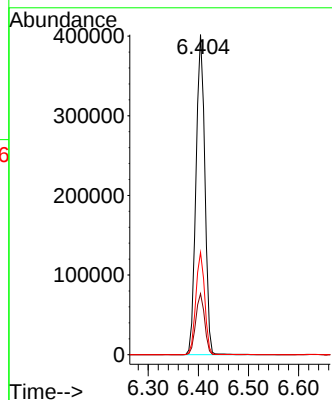
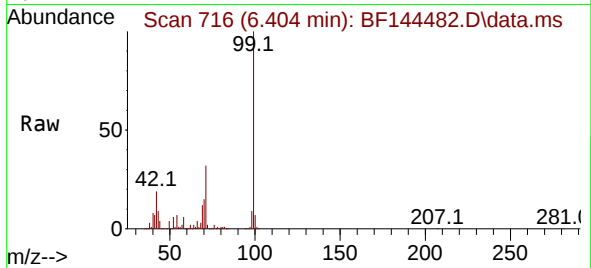




#7
Phenol-d6
Concen: 27.956 ng
RT: 6.404 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

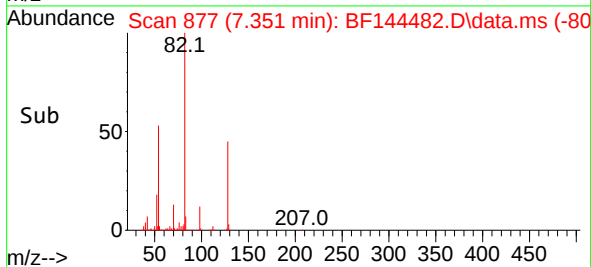
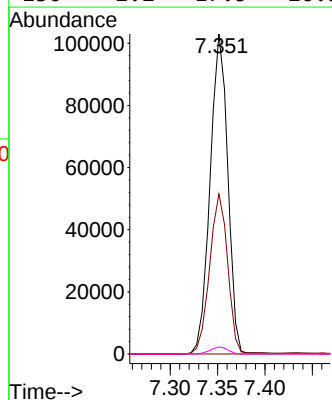
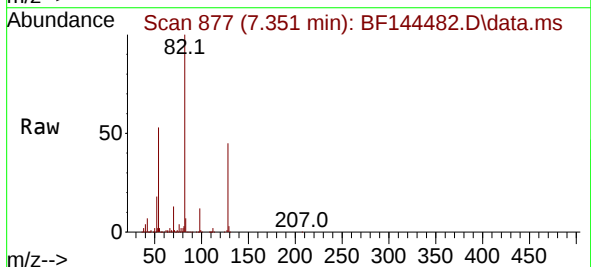
Instrument :
BNA_F
ClientSampleId :
C0AT5

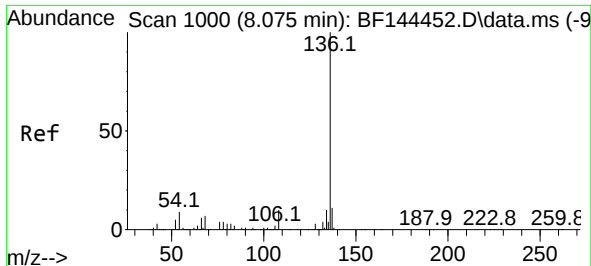
Tgt Ion: 99 Resp: 492705
Ion Ratio Lower Upper
99 100
42 19.1 15.7 23.5
71 32.0 26.4 39.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.988 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

Tgt Ion: 70 Resp: 133458
Ion Ratio Lower Upper
70 100
42 50.0 49.4 74.0
101 0.0 7.8 11.6#
130 2.2 17.5 26.3#

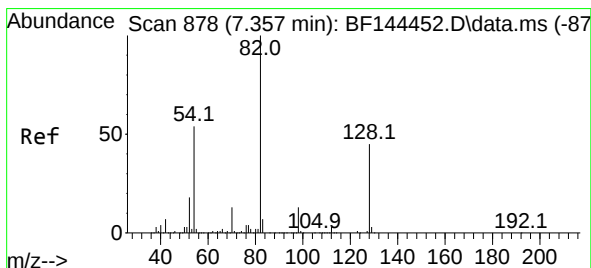
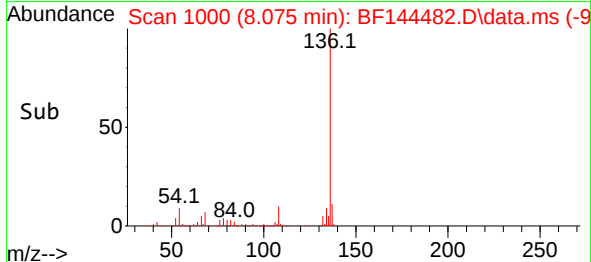
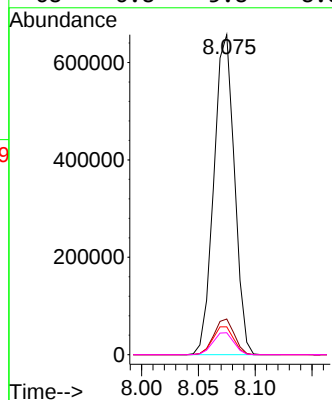
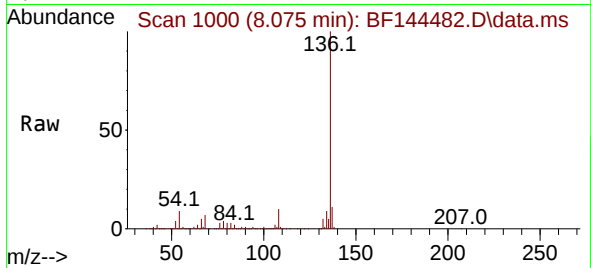




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

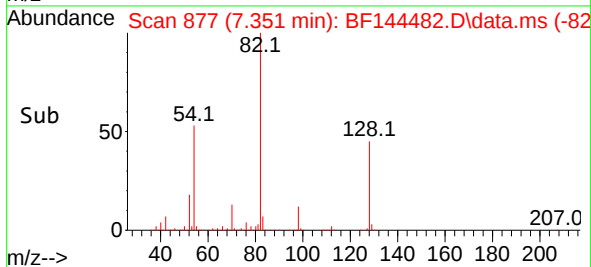
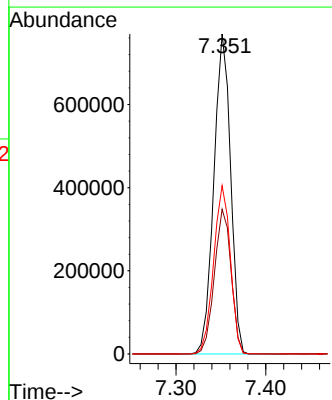
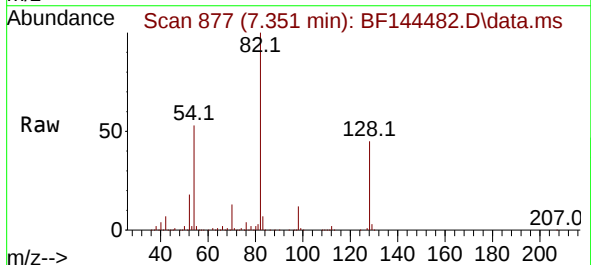
Instrument :
BNA_F
ClientSampleId :
C0AT5

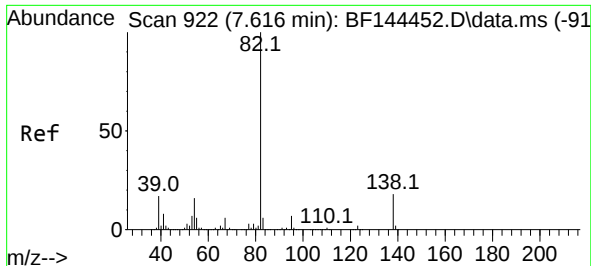
Tgt Ion:	136	Resp:	827476
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.7	7.5	11.3
68	6.8	5.8	8.8



#23
Nitrobenzene-d5
Concen: 75.458 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

Tgt Ion:	82	Resp:	997792
Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.5	53.3
54	52.6	43.3	64.9

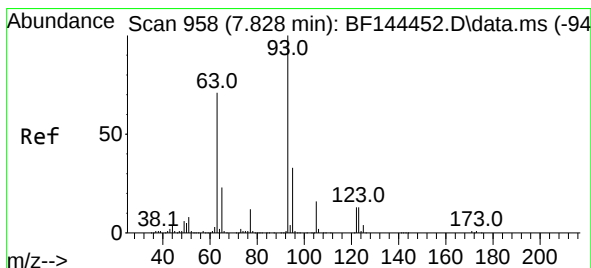
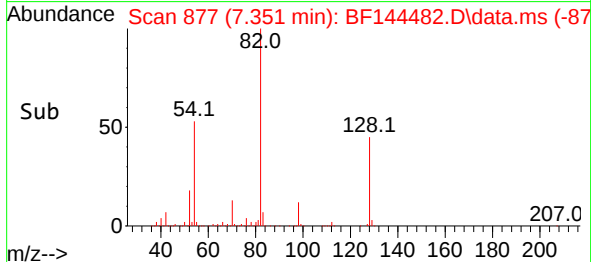
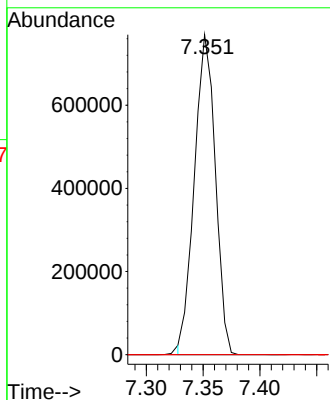
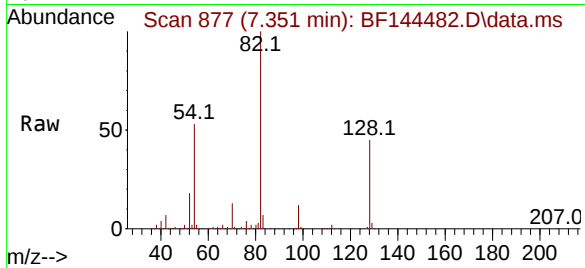




#25
Isophorone
Concen: 33.097 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

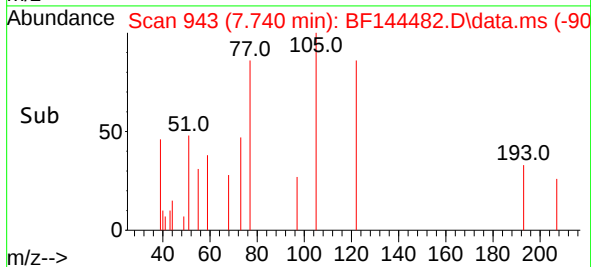
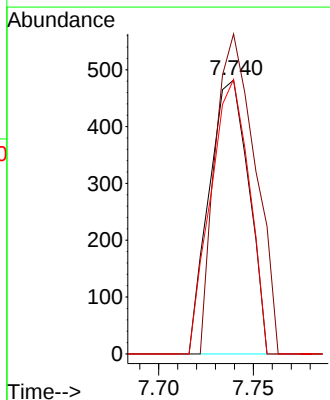
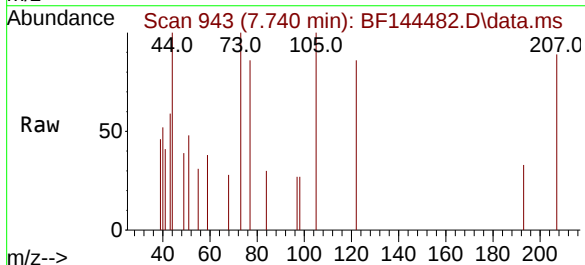
Instrument :
BNA_F
ClientSampleId :
C0AT5

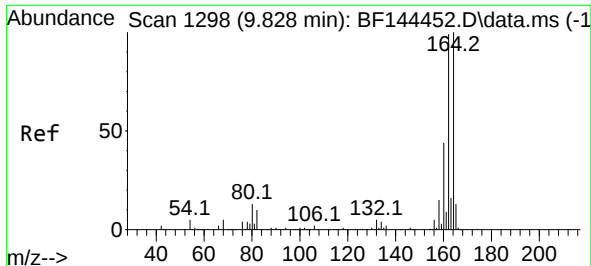
Tgt Ion: 82 Resp: 987710
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.4 21.6#



#32
Benzoic acid
Concen: 6.539 ng
RT: 7.740 min Scan# 943
Delta R.T. -0.088 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

Tgt Ion:122 Resp: 701
Ion Ratio Lower Upper
122 100
105 116.8 103.2 143.2
77 100.2 75.1 115.1

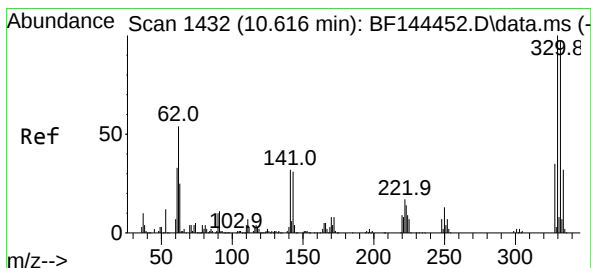
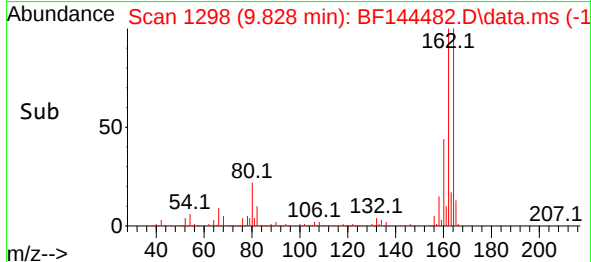
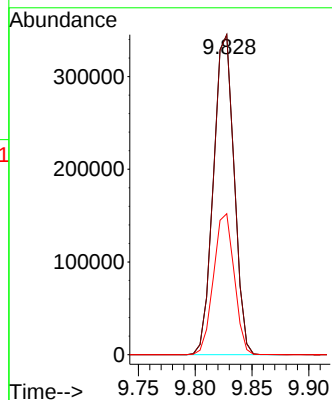
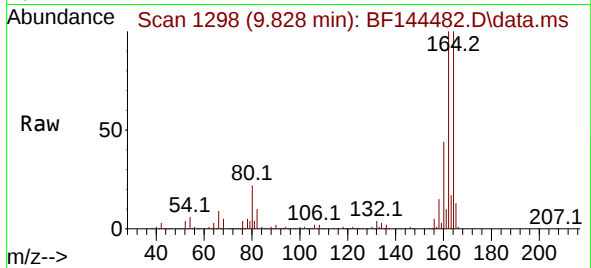




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

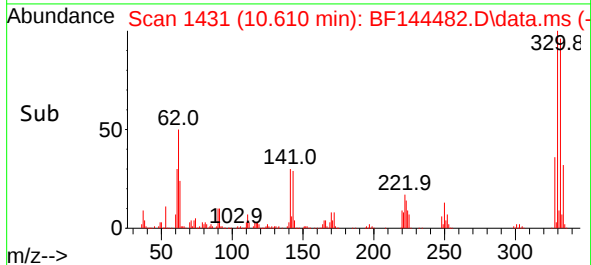
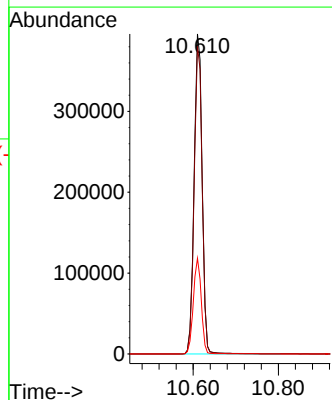
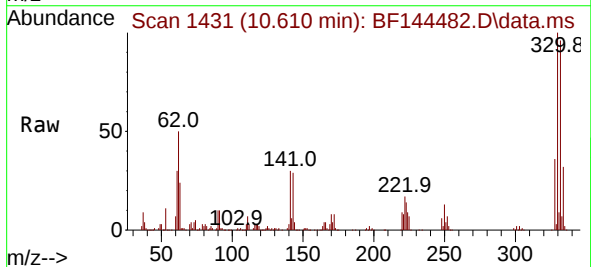
Instrument :
BNA_F
ClientSampleId :
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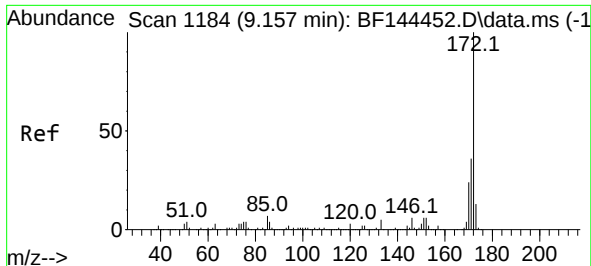
Tgt Ion:164 Resp: 437540
Ion Ratio Lower Upper
164 100
162 100.0 79.2 118.8
160 44.1 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 130.923 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

Tgt Ion:330 Resp: 517903
Ion Ratio Lower Upper
330 100
332 96.1 77.5 116.3
141 29.6 26.2 39.2

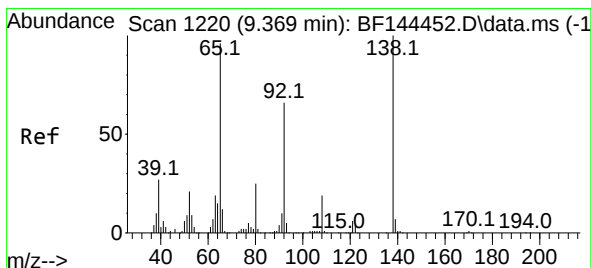
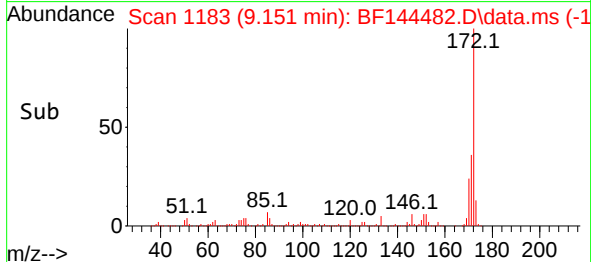
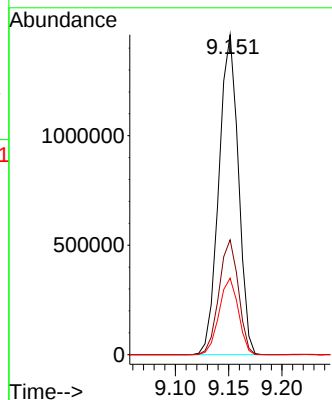
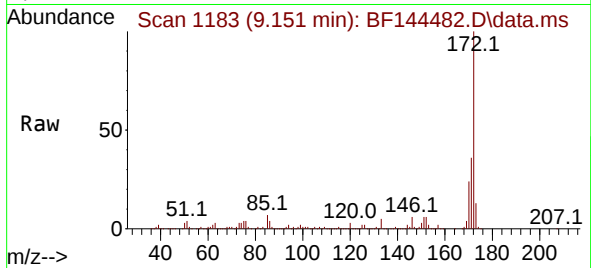




#45
2-Fluorobiphenyl
Concen: 64.959 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

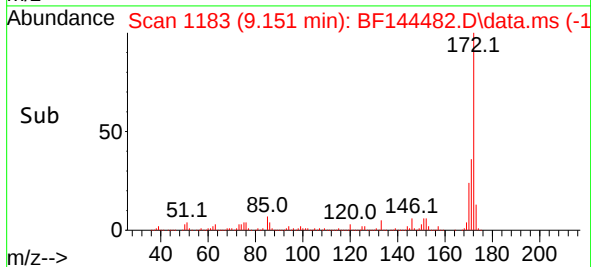
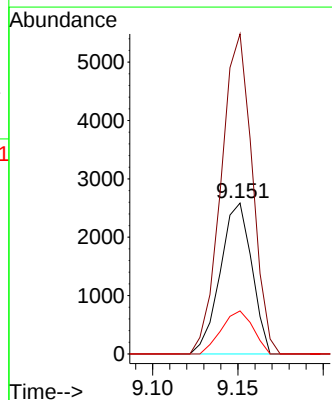
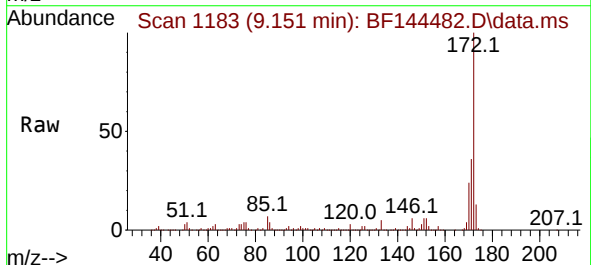
Instrument :
BNA_F
ClientSampleId :
COAT5

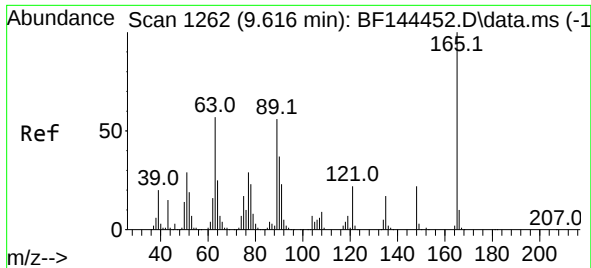
Tgt Ion:172 Resp: 1852711
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.9 19.3 28.9



#48
2-Nitroaniline
Concen: 4.043 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.218 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

Tgt Ion: 65 Resp: 3320
Ion Ratio Lower Upper
65 100
92 212.0 55.0 82.4#
138 28.5 83.4 125.2#

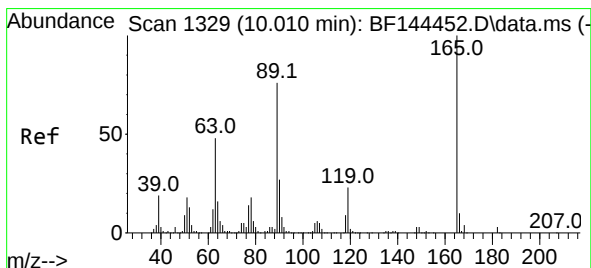
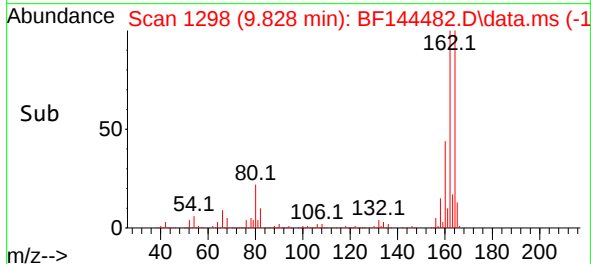
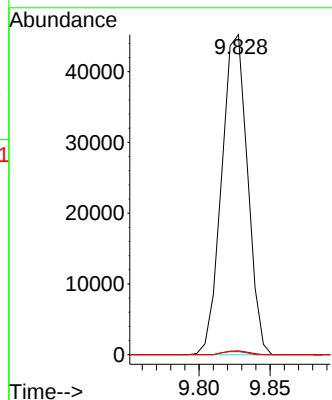
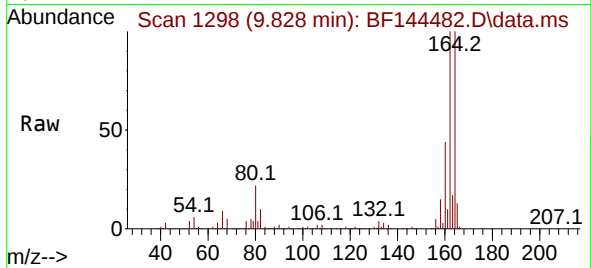




#51
2,6-Dinitrotoluene
Concen: 13.666 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.212 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

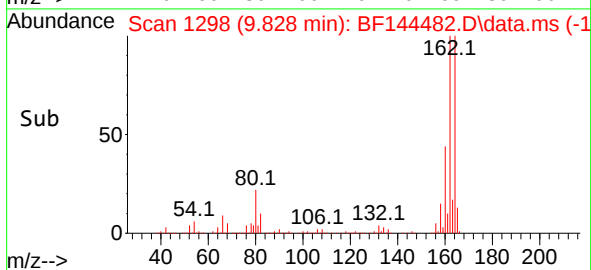
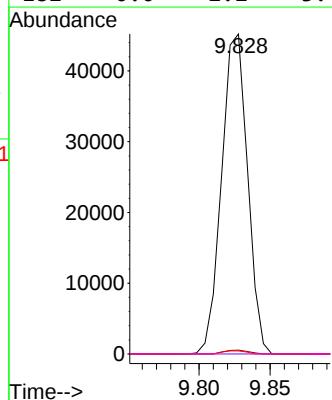
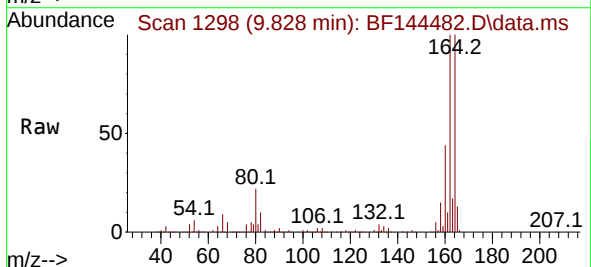
Instrument :
BNA_F
ClientSampleId :
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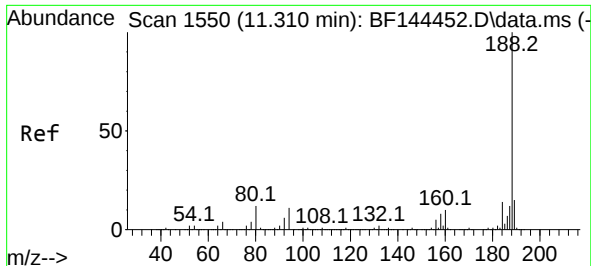
Tgt Ion:165 Resp: 57531
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.0 44.6 67.0#



#57
2,4-Dinitrotoluene
Concen: 11.035 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.182 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

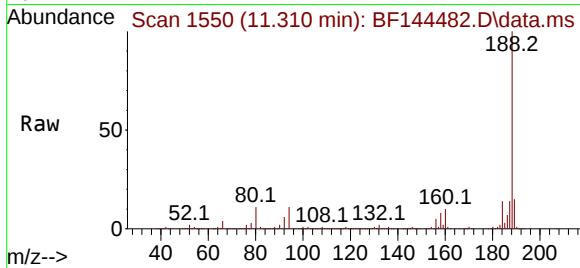
Tgt Ion:165 Resp: 57531
Ion Ratio Lower Upper
165 100
63 1.2 38.2 57.4#
89 1.0 61.2 91.8#
182 0.0 2.2 3.4#



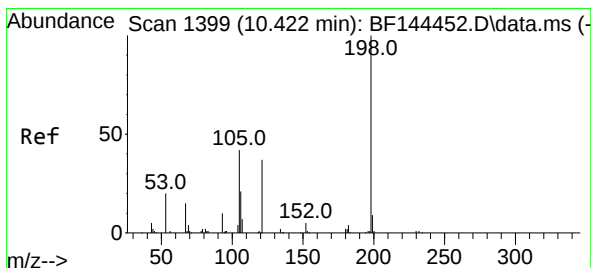
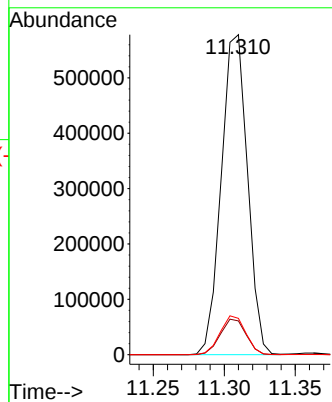
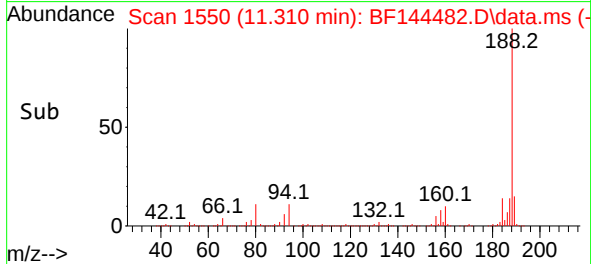


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

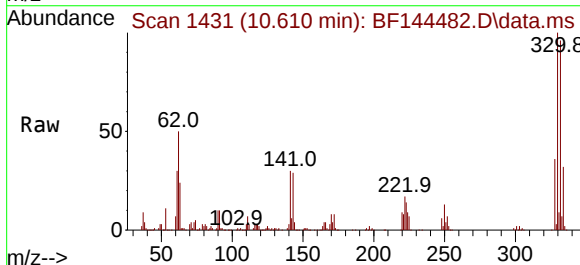
Instrument :
BNA_F
ClientSampleId :
C0AT5



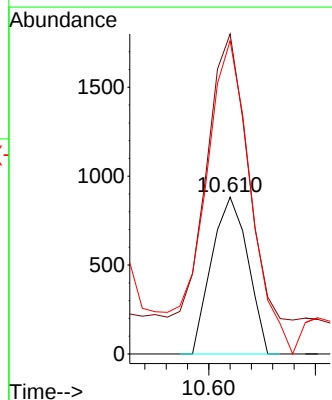
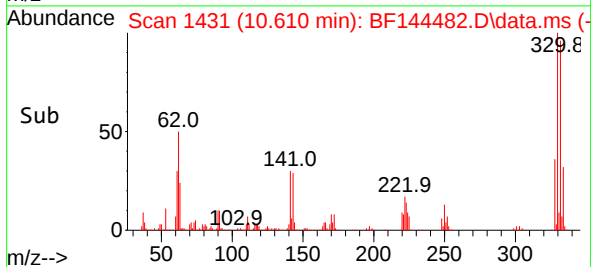
Tgt Ion:188 Resp: 742777
Ion Ratio Lower Upper
188 100
94 10.6 9.0 13.6
80 11.3 9.8 14.8

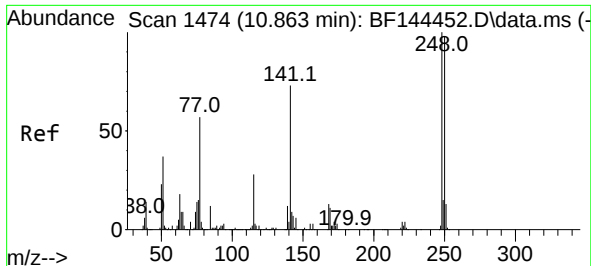


#65
4,6-Dinitro-2-methylphenol
Concen: 7.091 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.188 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04



Tgt Ion:198 Resp: 1040
Ion Ratio Lower Upper
198 100
51 204.1 25.5 65.5#
105 199.8 23.4 63.4#

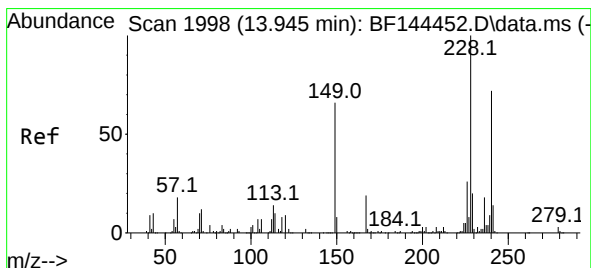
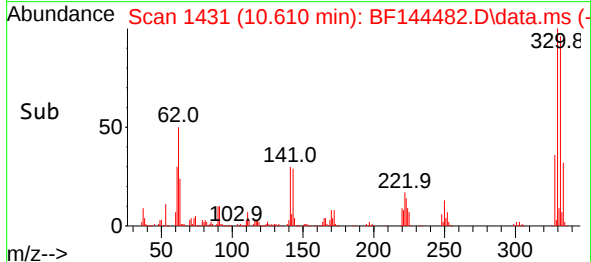
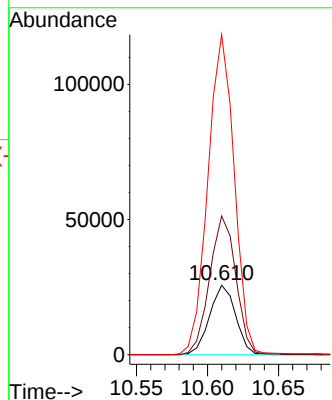
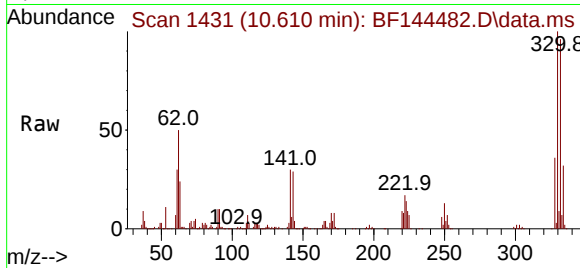




#67
4-Bromophenyl-phenylether
Concen: 3.776 ng
RT: 10.610 min Scan# 1474
Delta R.T. -0.253 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

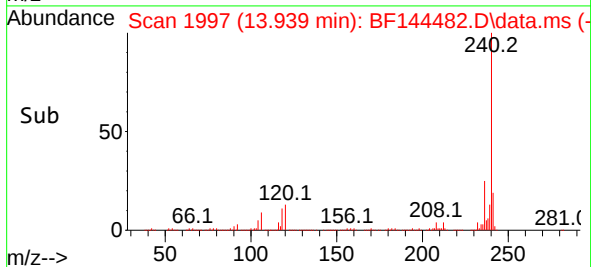
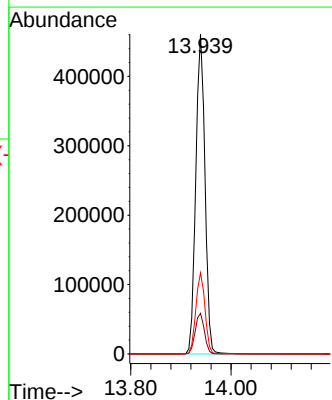
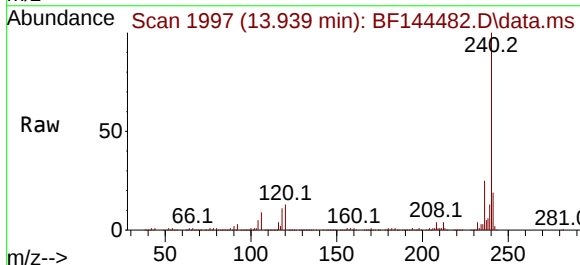
Instrument :
BNA_F
ClientSampleId :
C0AT5

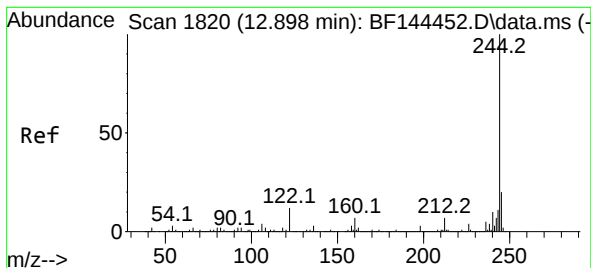
Tgt Ion:248 Resp: 32743
Ion Ratio Lower Upper
248 100
250 199.9 78.2 117.4#
141 461.0 58.5 87.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

Tgt Ion:240 Resp: 585600
Ion Ratio Lower Upper
240 100
120 12.7 10.3 15.5
236 25.4 20.2 30.4





#79

Terphenyl-d14

Concen: 64.869 ng

RT: 12.898 min Scan# 1820

Delta R.T. 0.000 min

Lab File: BF144482.D

Acq: 15 Dec 2025 19:04

Instrument :

BNA_F

ClientSampleId :

COAT5

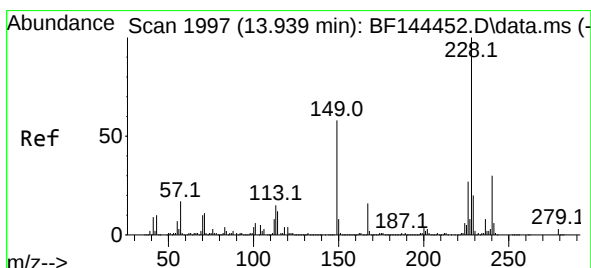
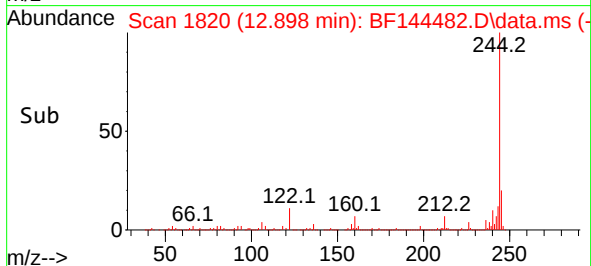
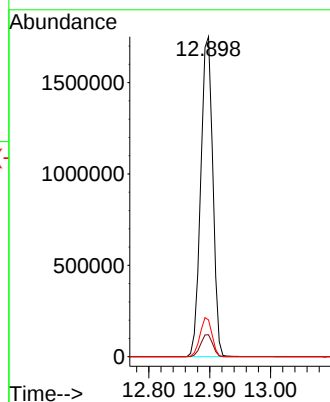
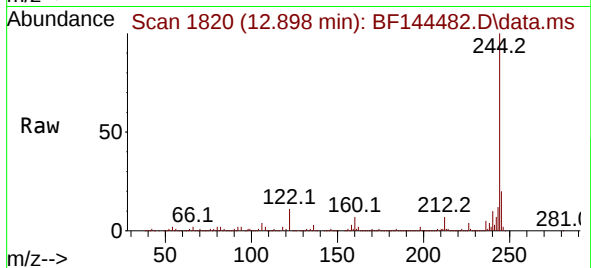
Tgt Ion:244 Resp: 2406100

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 11.5 9.9 14.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.937 ng

RT: 13.933 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF144482.D

Acq: 15 Dec 2025 19:04

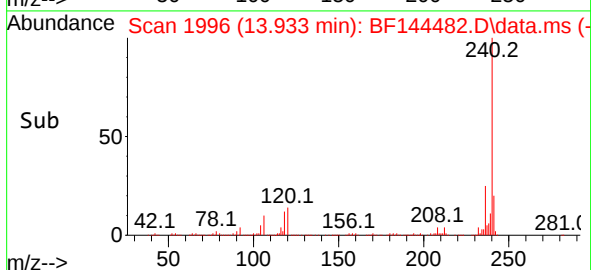
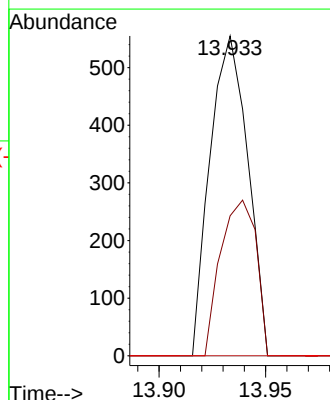
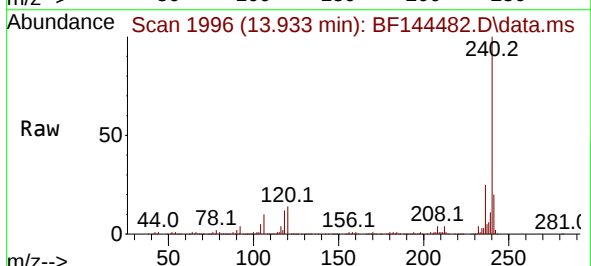
Tgt Ion:149 Resp: 685

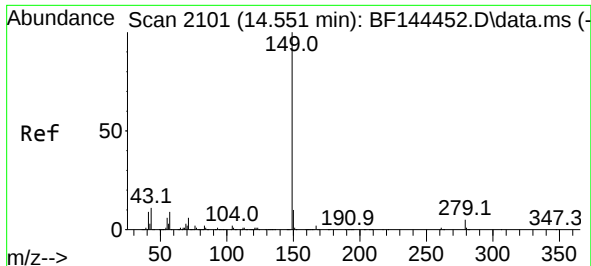
Ion Ratio Lower Upper

149 100

167 43.8 22.6 34.0#

279 0.0 3.7 5.5#

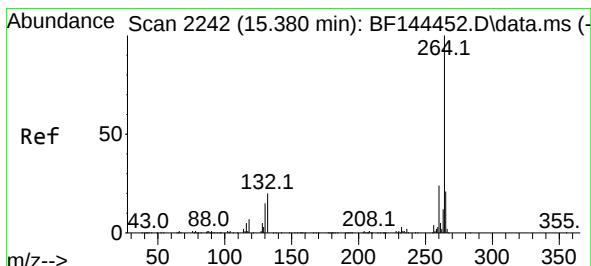
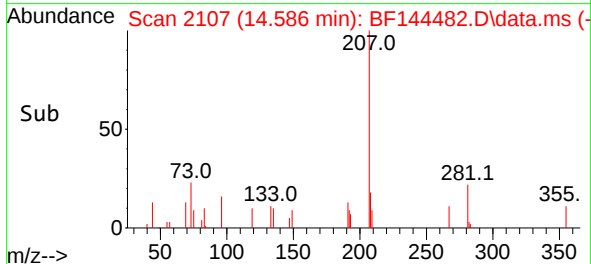
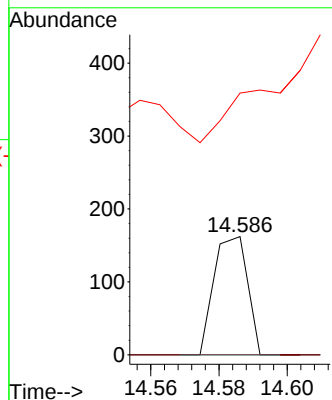
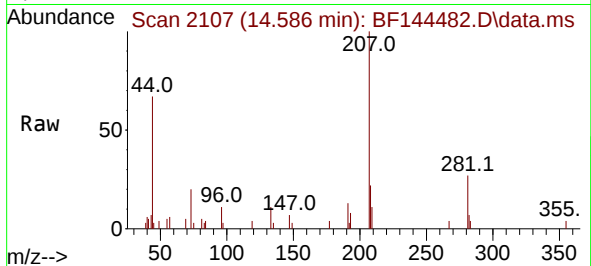




#85
Di-n-octyl phthalate
Concen: 6.505 ng
RT: 14.586 min Scan# 2107
Delta R.T. 0.035 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

Instrument :
BNA_F
ClientSampleId :
C0AT5

Tgt Ion:149 Resp: 111
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# 2241
Delta R.T. -0.006 min
Lab File: BF144482.D
Acq: 15 Dec 2025 19:04

Tgt Ion:264 Resp: 421916
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 22.0 17.1 25.7

