

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
 Data File : BF144483.D
 Acq On : 15 Dec 2025 19:34
 Operator : RC/JU
 Sample : Q3839-24
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0AT6

Quant Time: Dec 16 00:43:26 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)

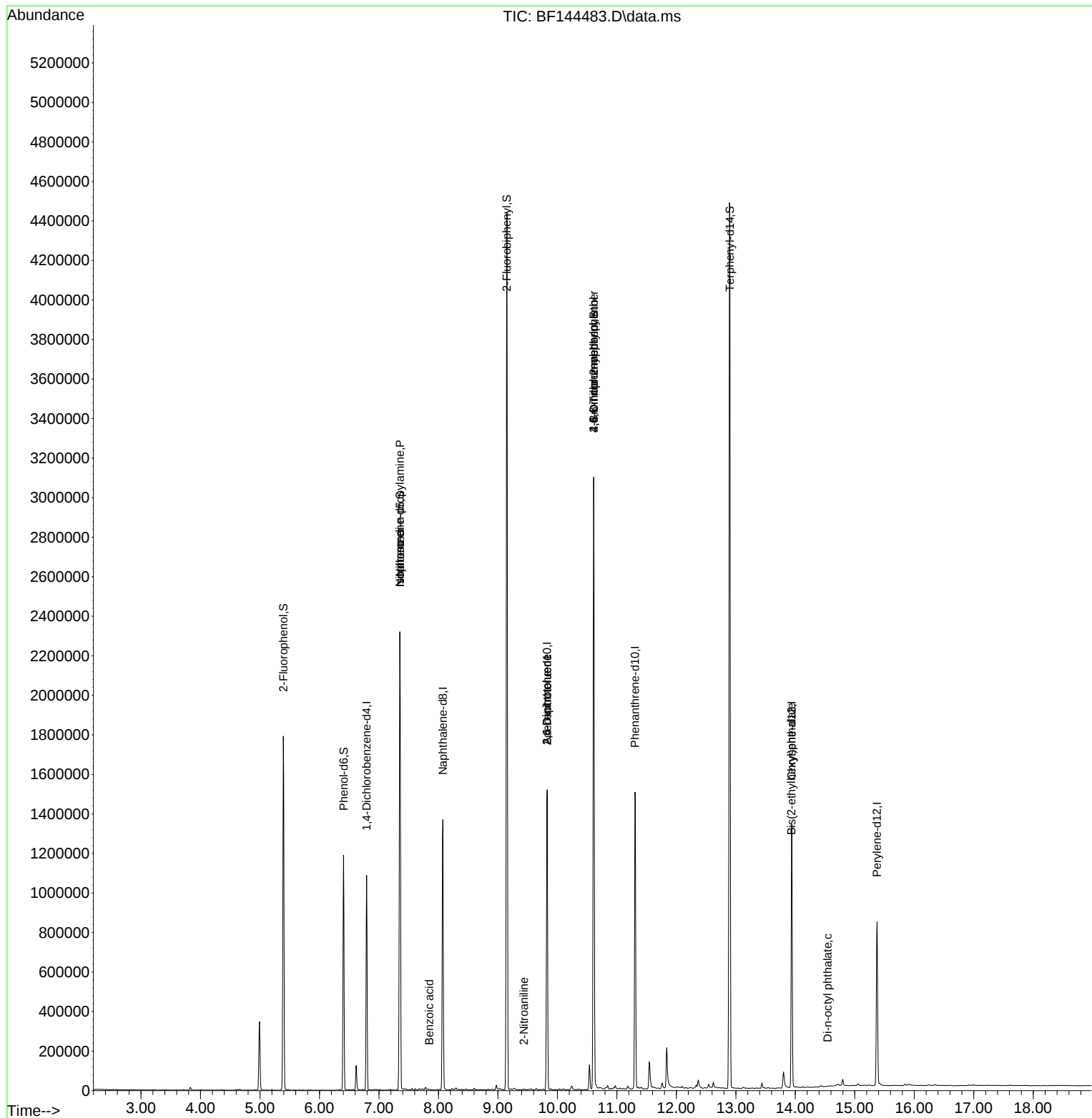
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	220363	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	853077	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	457944	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	772123	20.000	ng	0.00
76) Chrysene-d12	13.939	240	615736	20.000	ng	0.00
86) Perylene-d12	15.374	264	462130	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	666028	45.572	ng	0.00
7) Phenol-d6	6.404	99	523246	28.704	ng	-0.01
23) Nitrobenzene-d5	7.351	82	1030877	75.620	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	545976	131.870	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1933140	64.759	ng	0.00
79) Terphenyl-d14	12.898	244	2246847	57.611	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	137805	11.968	ng	# 78
25) Isophorone	7.351	82	1019553	33.139	ng	# 65
32) Benzoic acid	7.845	122	840	6.551	ng	# 19
48) 2-Nitroaniline	9.439	65	383	3.678	ng	# 5
51) 2,6-Dinitrotoluene	9.828	165	59664	13.577	ng	# 25
57) 2,4-Dinitrotoluene	9.828	165	59664	10.969	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.610	198	1043	7.081	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	34216	3.796	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.933	149	6652	3.194	ng	94
85) Di-n-octyl phthalate	14.545	149	110	6.505	ng	# 73

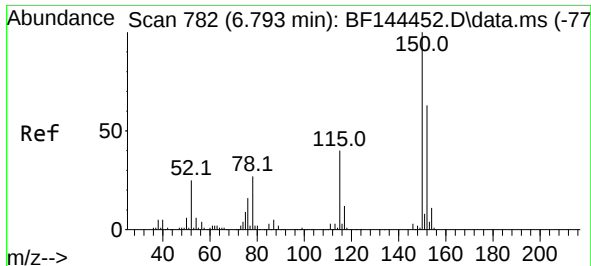
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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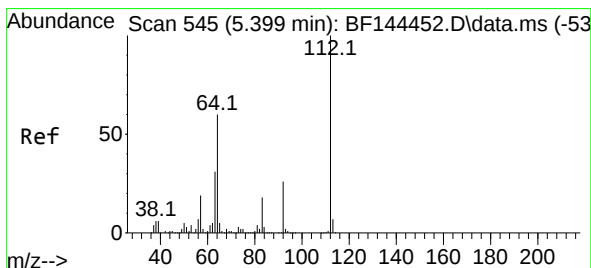
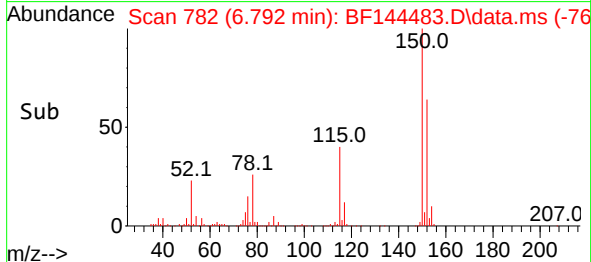
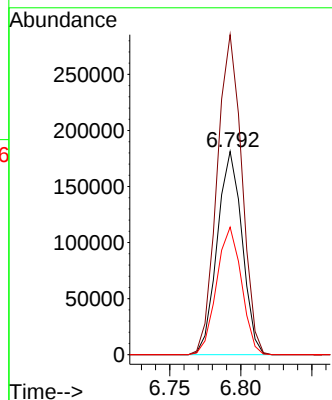
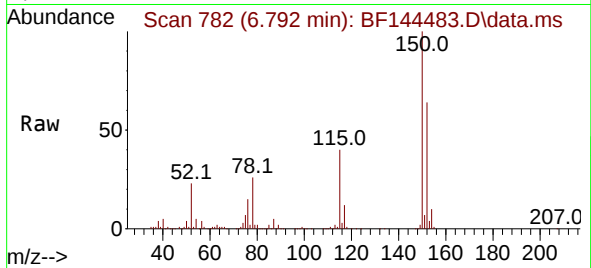




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 71
 Delta R.T. -0.001 min
 Lab File: BF144483.D
 Acq: 15 Dec 2025 19:34

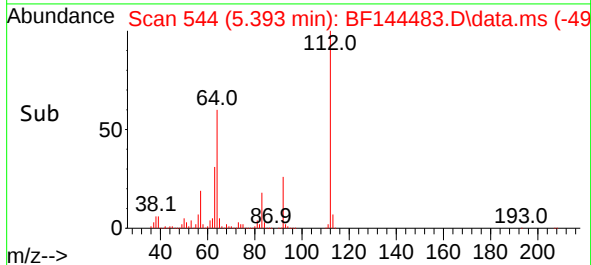
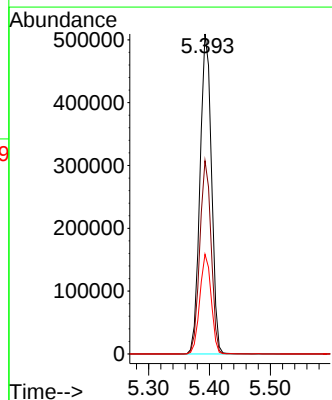
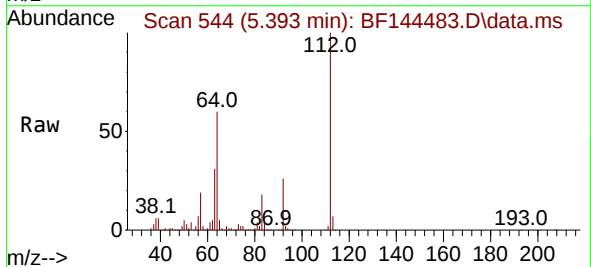
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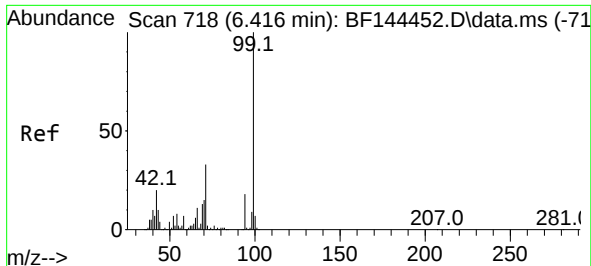
Tgt Ion:152 Resp: 220363
 Ion Ratio Lower Upper
 152 100
 150 157.4 127.4 191.2
 115 62.7 51.4 77.0



#5
 2-Fluorophenol
 Concen: 45.572 ng
 RT: 5.393 min Scan# 544
 Delta R.T. -0.006 min
 Lab File: BF144483.D
 Acq: 15 Dec 2025 19:34

Tgt Ion:112 Resp: 666028
 Ion Ratio Lower Upper
 112 100
 64 60.4 47.8 71.6
 63 31.2 24.6 37.0

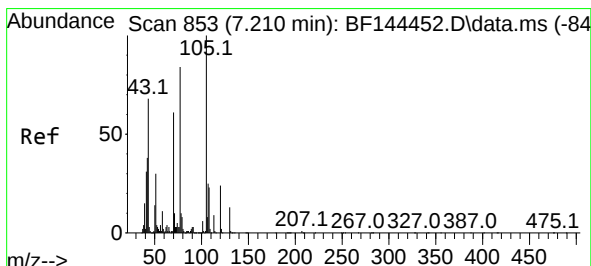
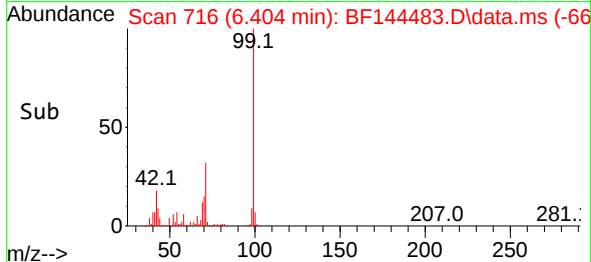
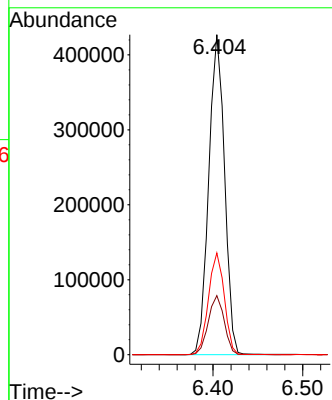
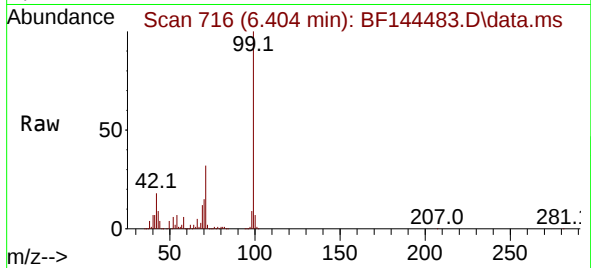




#7
Phenol-d6
Concen: 28.704 ng
RT: 6.404 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

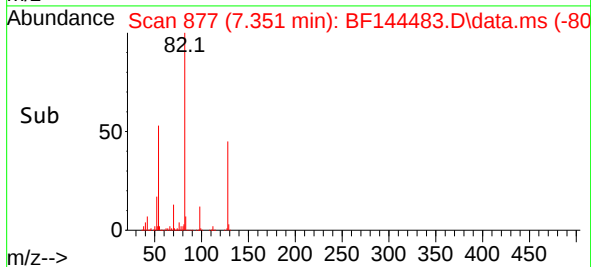
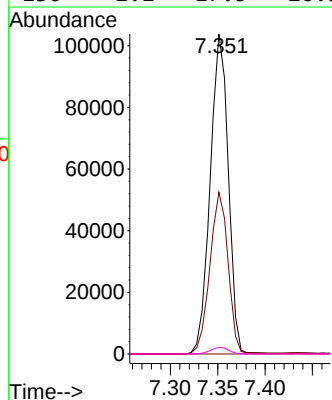
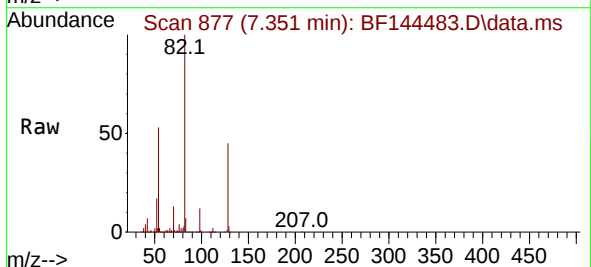
Instrument :
BNA_F
ClientSampleId :
C0AT6

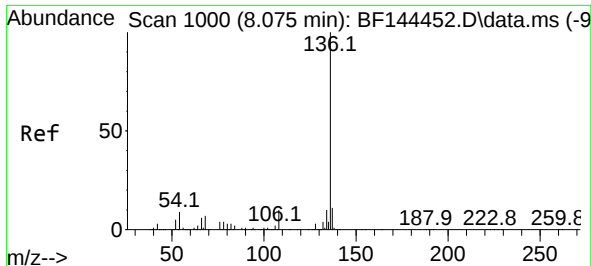
Tgt Ion: 99 Resp: 523246
Ion Ratio Lower Upper
99 100
42 18.5 15.7 23.5
71 31.8 26.4 39.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.968 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

Tgt Ion: 70 Resp: 137805
Ion Ratio Lower Upper
70 100
42 50.5 49.4 74.0
101 0.0 7.8 11.6#
130 2.1 17.5 26.3#



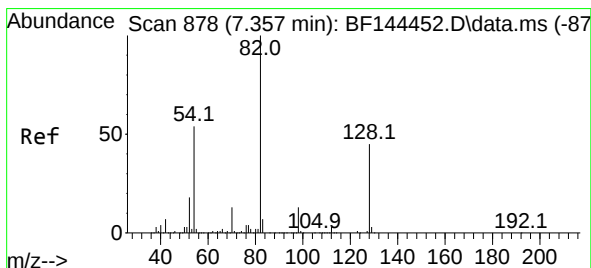
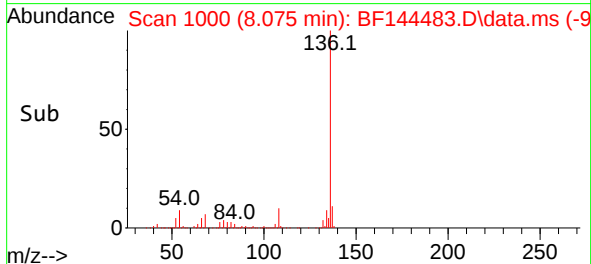
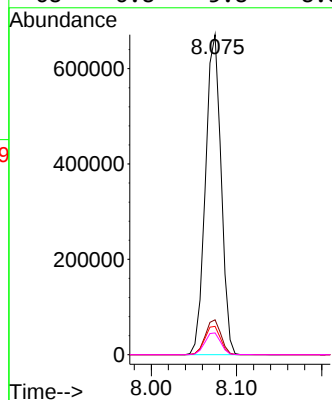
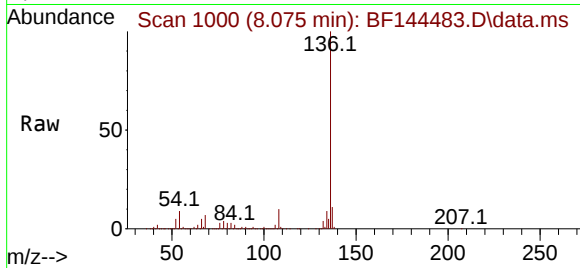


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

Instrument :
BNA_F
ClientSampleId :
C0AT6

Tgt Ion:136 Resp: 853077

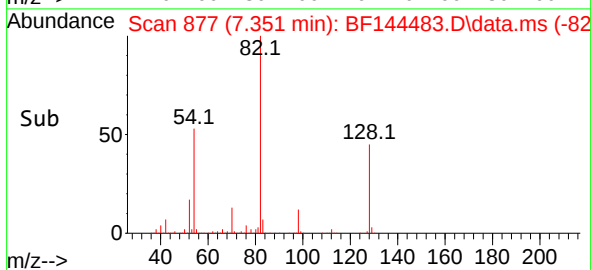
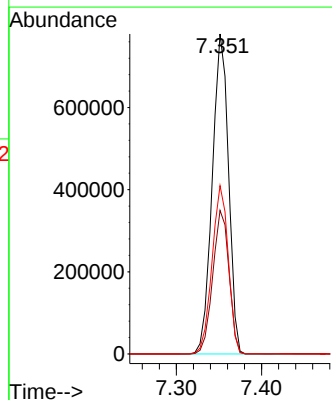
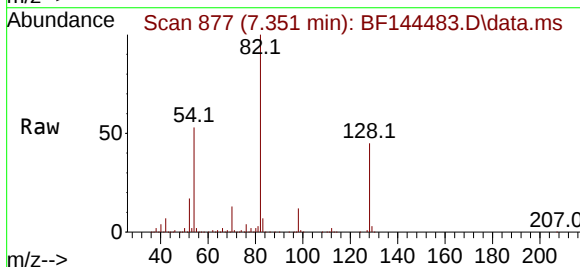
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.8	7.5	11.3
68	6.8	5.8	8.8

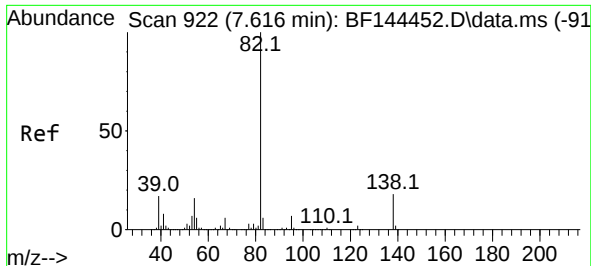


#23
Nitrobenzene-d5
Concen: 75.620 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

Tgt Ion: 82 Resp: 1030877

Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.5	53.3
54	52.6	43.3	64.9





#25

Isophorone

Concen: 33.139 ng

RT: 7.351 min Scan# 81

Delta R.T. -0.265 min

Lab File: BF144483.D

Acq: 15 Dec 2025 19:34

Instrument :

BNA_F

ClientSampleId :

COAT6

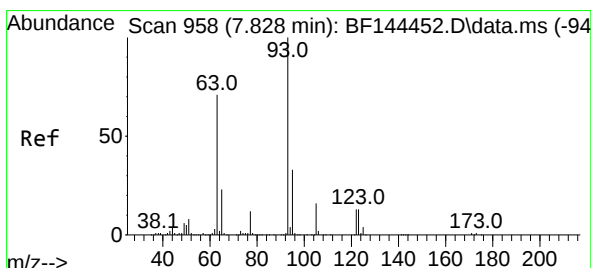
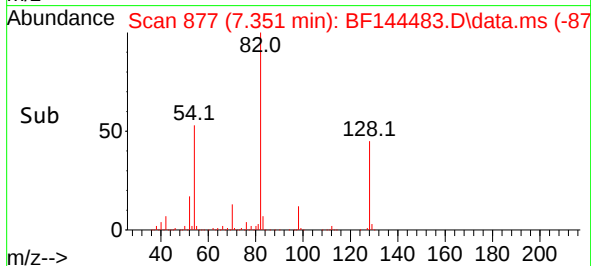
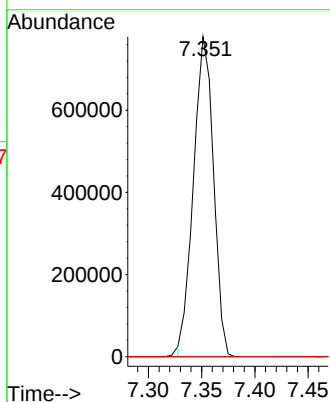
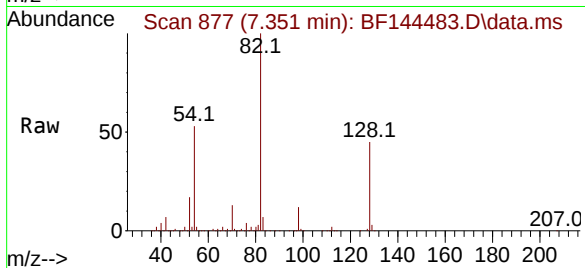
Tgt Ion: 82 Resp: 1019553

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.4 21.6#



#32

Benzoic acid

Concen: 6.551 ng

RT: 7.845 min Scan# 961

Delta R.T. 0.017 min

Lab File: BF144483.D

Acq: 15 Dec 2025 19:34

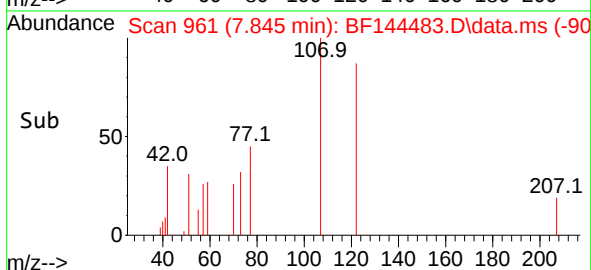
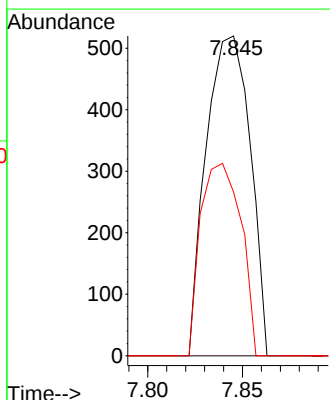
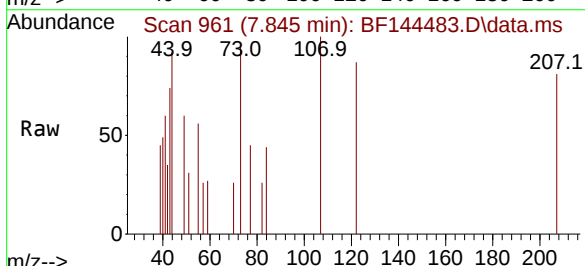
Tgt Ion:122 Resp: 840

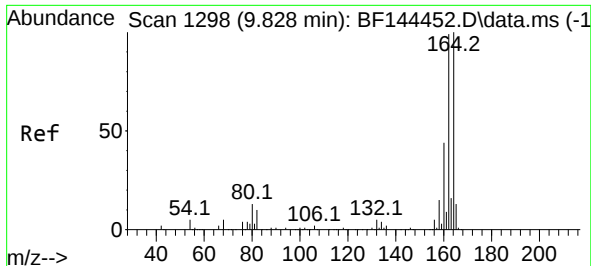
Ion Ratio Lower Upper

122 100

105 0.0 103.2 143.2#

77 51.2 75.1 115.1#

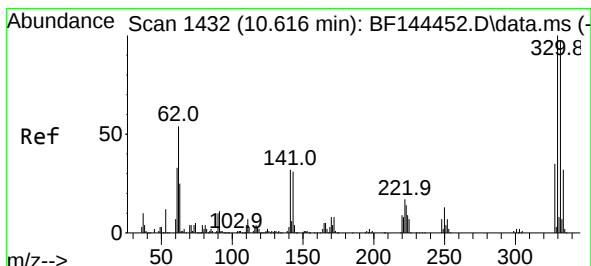
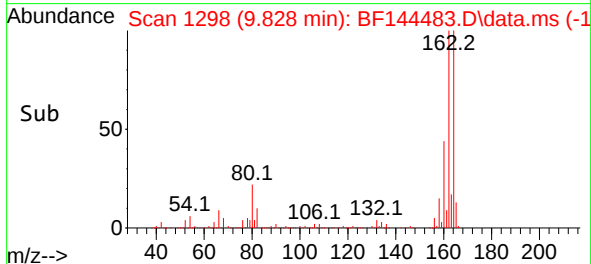
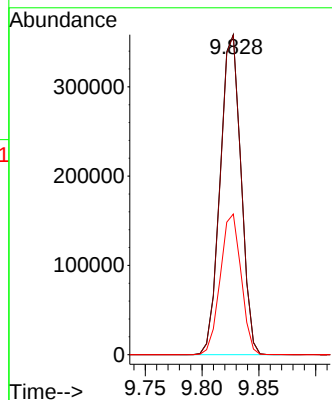
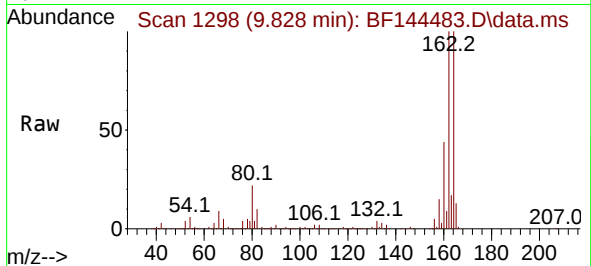




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

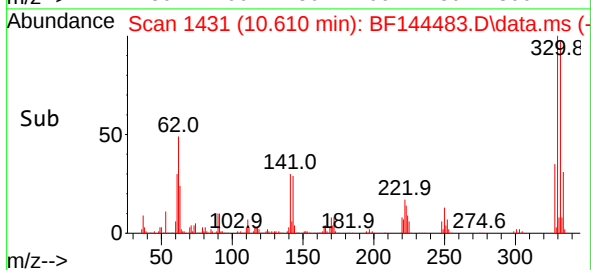
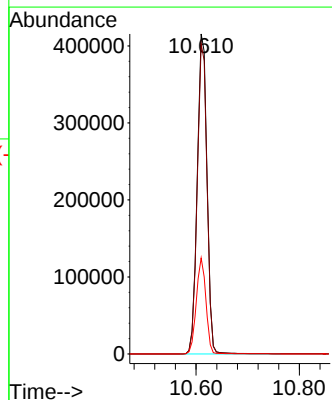
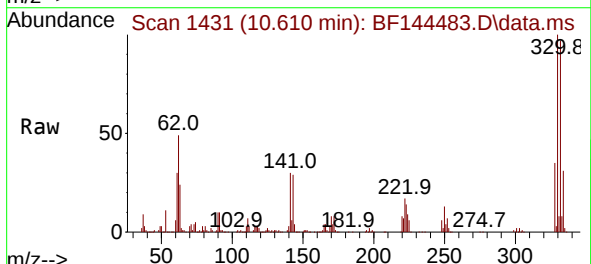
Instrument :
BNA_F
ClientSampleId :
C0AT6

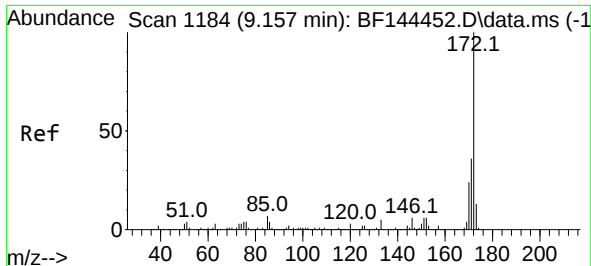
Tgt Ion:164 Resp: 457944
Ion Ratio Lower Upper
164 100
162 99.9 79.2 118.8
160 43.9 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 131.870 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

Tgt Ion:330 Resp: 545976
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 29.5 26.2 39.2

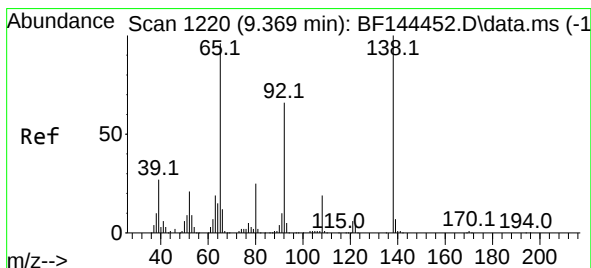
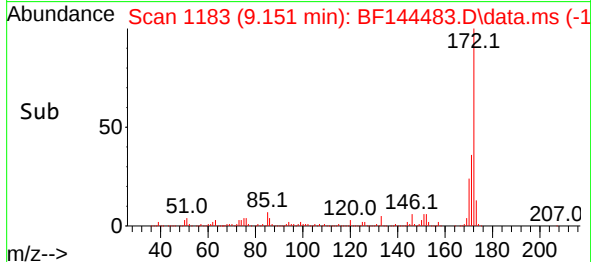
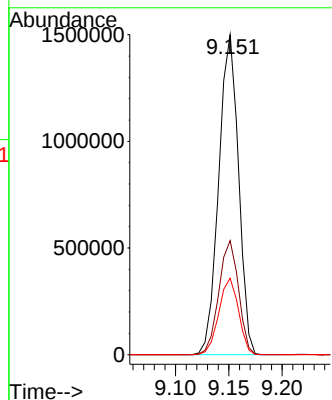
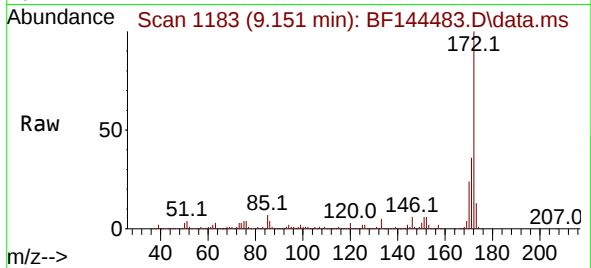




#45
2-Fluorobiphenyl
Concen: 64.759 ng
RT: 9.151 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

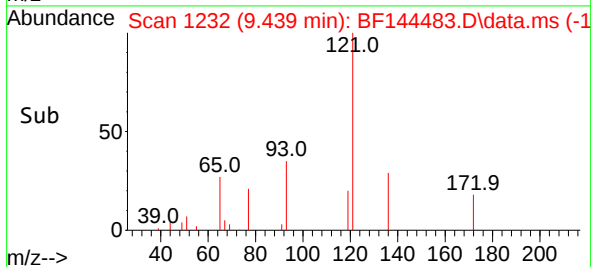
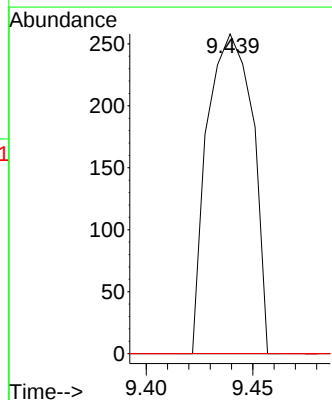
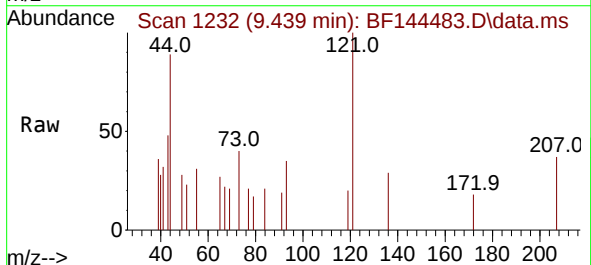
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BNA_F
ClientSampleId :
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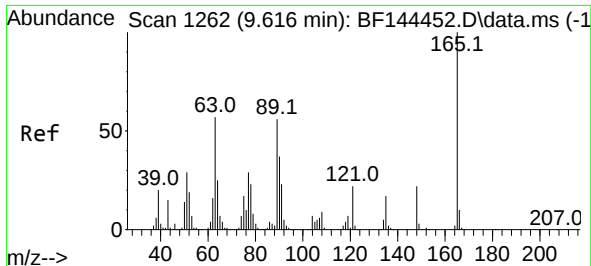
Tgt Ion:172 Resp: 1933140
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.9 19.3 28.9



#48
2-Nitroaniline
Concen: 3.678 ng
RT: 9.439 min Scan# 1232
Delta R.T. 0.070 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

Tgt Ion: 65 Resp: 383
Ion Ratio Lower Upper
65 100
92 0.0 55.0 82.4#
138 0.0 83.4 125.2#

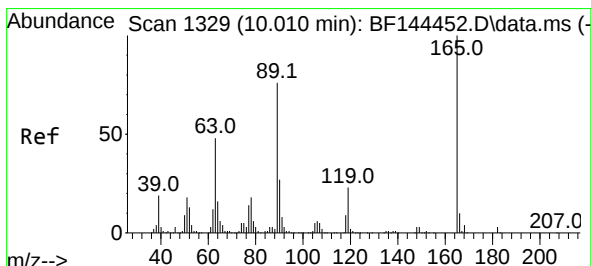
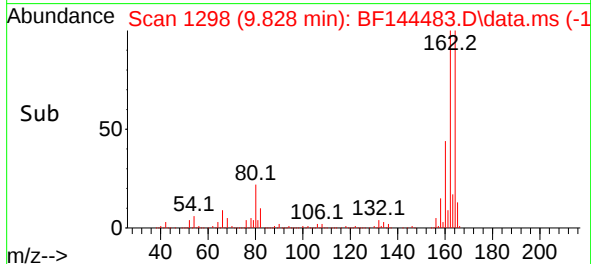
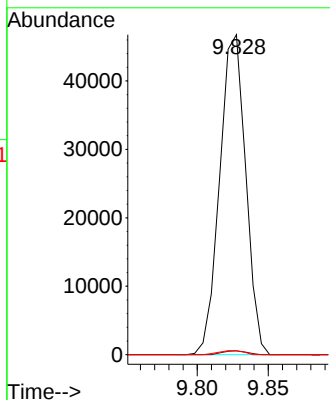
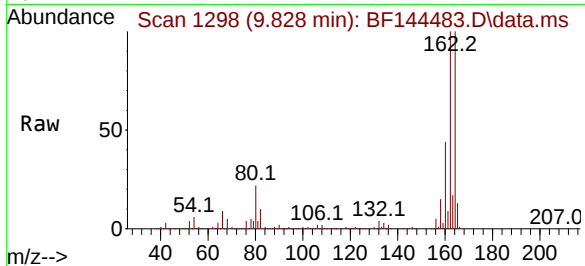




#51
2,6-Dinitrotoluene
Concen: 13.577 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.212 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

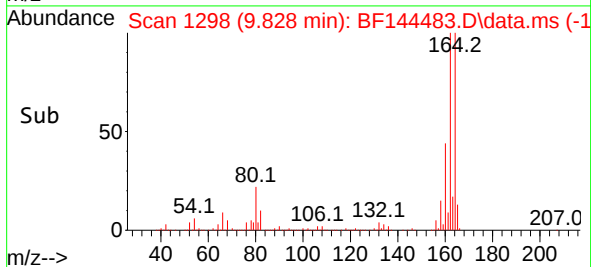
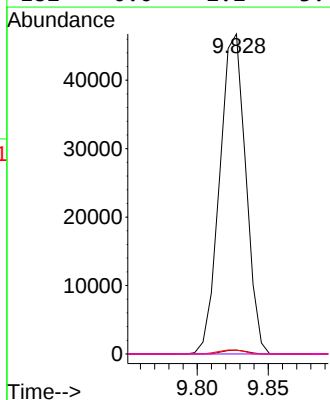
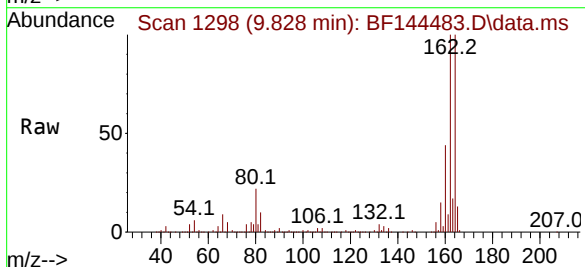
Instrument :
BNA_F
ClientSampleId :
C0AT6

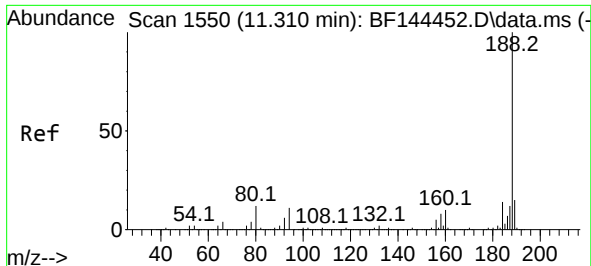
Tgt Ion:165 Resp: 59664
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.2 44.6 67.0#



#57
2,4-Dinitrotoluene
Concen: 10.969 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.182 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

Tgt Ion:165 Resp: 59664
Ion Ratio Lower Upper
165 100
63 1.2 38.2 57.4#
89 1.2 61.2 91.8#
182 0.0 2.2 3.4#

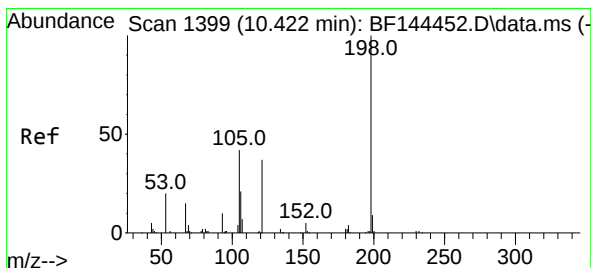
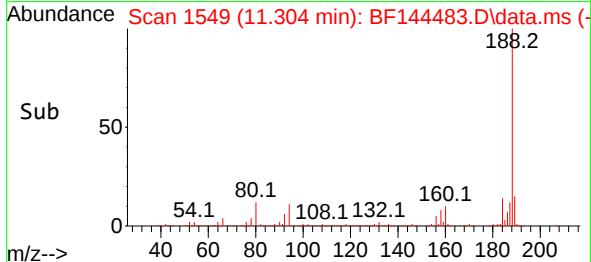
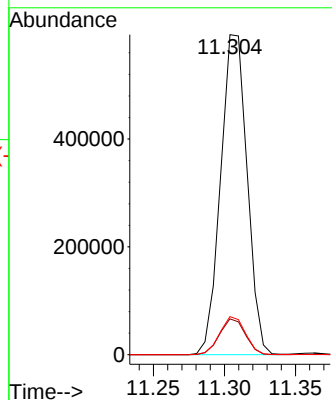
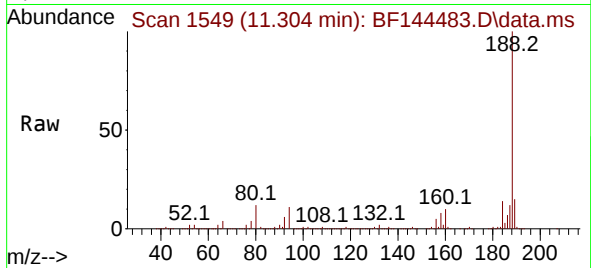




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

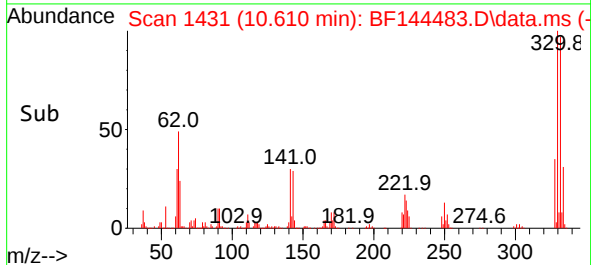
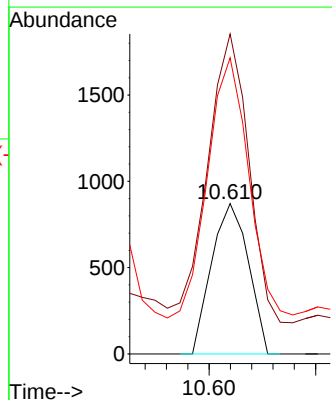
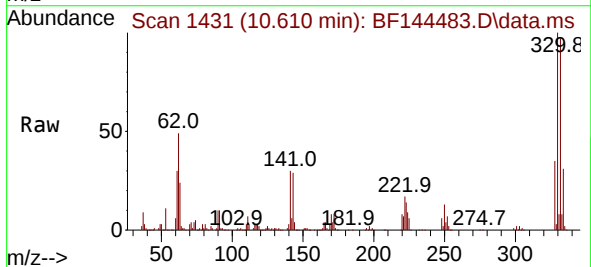
Instrument :
BNA_F
ClientSampleId :
C0AT6

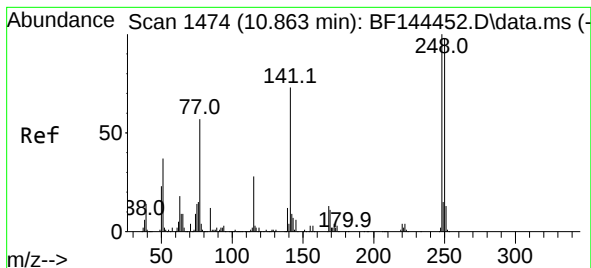
Tgt Ion:188 Resp: 772123
Ion Ratio Lower Upper
188 100
94 11.2 9.0 13.6
80 11.9 9.8 14.8



#65
4,6-Dinitro-2-methylphenol
Concen: 7.081 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.188 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

Tgt Ion:198 Resp: 1043
Ion Ratio Lower Upper
198 100
51 212.9 25.5 65.5#
105 197.0 23.4 63.4#

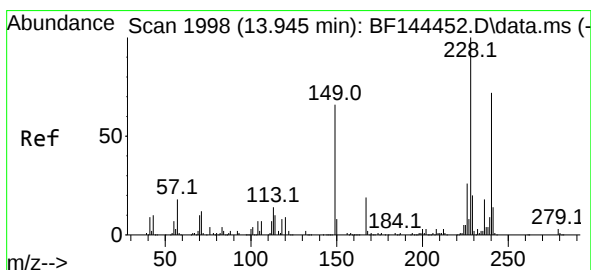
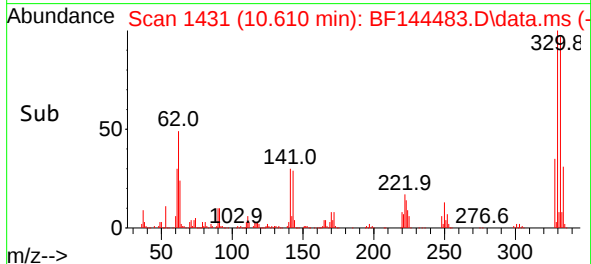
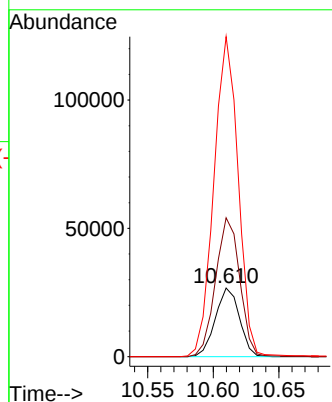
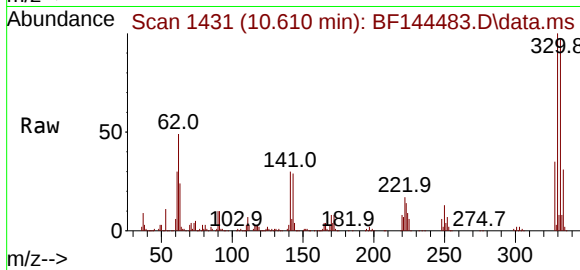




#67
4-Bromophenyl-phenylether
Concen: 3.796 ng
RT: 10.610 min Scan# 1474
Delta R.T. -0.253 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

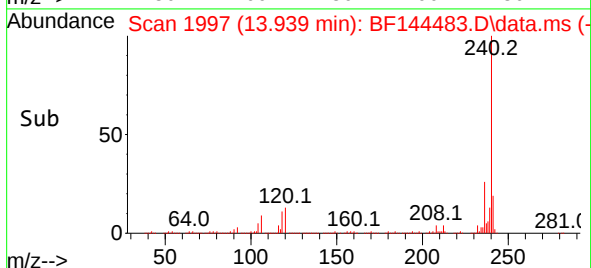
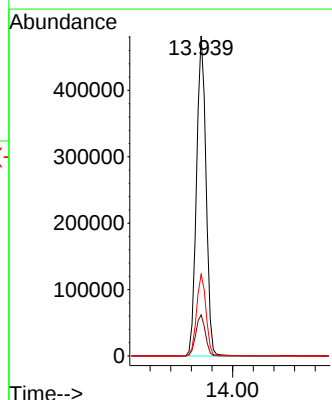
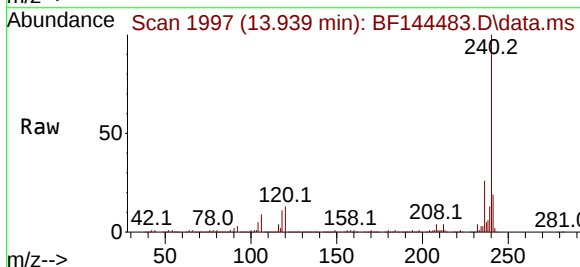
Instrument :
BNA_F
ClientSampleId :
C0AT6

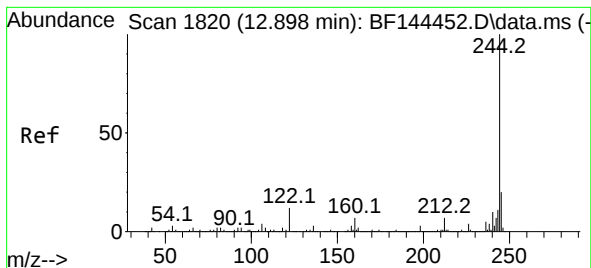
Tgt Ion:248 Resp: 34216
Ion Ratio Lower Upper
248 100
250 202.2 78.2 117.4#
141 465.8 58.5 87.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144483.D
Acq: 15 Dec 2025 19:34

Tgt Ion:240 Resp: 615736
Ion Ratio Lower Upper
240 100
120 12.9 10.3 15.5
236 25.5 20.2 30.4





#79

Terphenyl-d14

Concen: 57.611 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.000 min

Lab File: BF144483.D

Acq: 15 Dec 2025 19:34

Instrument :

BNA_F

ClientSampleId :

C0AT6

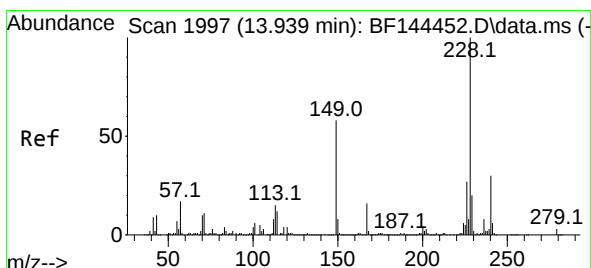
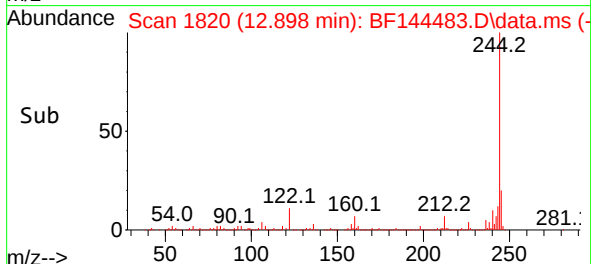
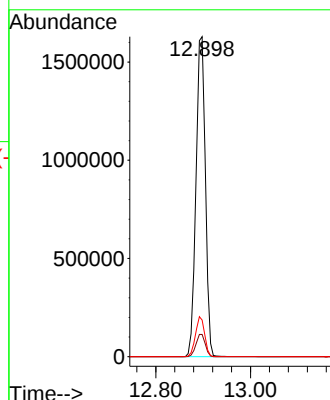
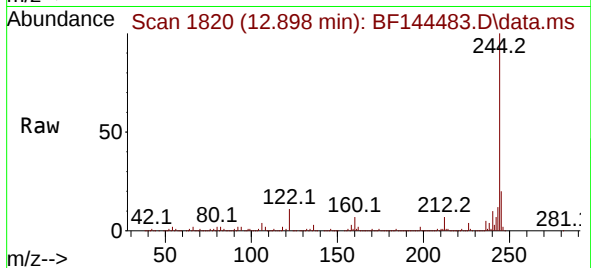
Tgt Ion:244 Resp: 2246847

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 11.4 9.9 14.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.194 ng

RT: 13.933 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF144483.D

Acq: 15 Dec 2025 19:34

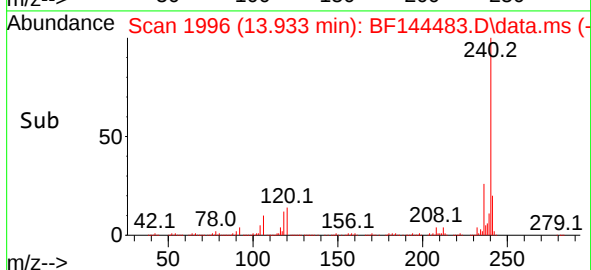
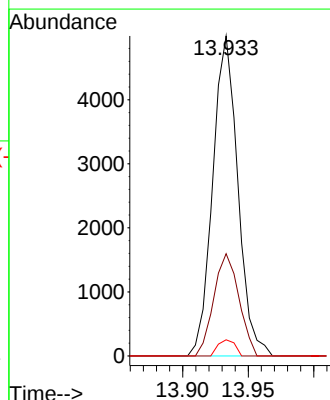
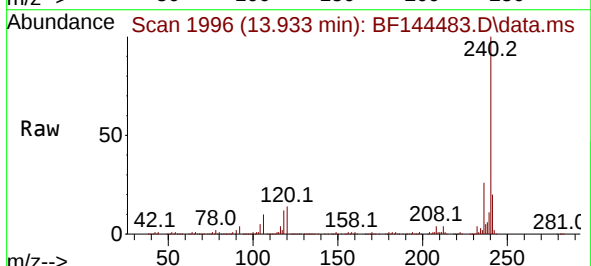
Tgt Ion:149 Resp: 6652

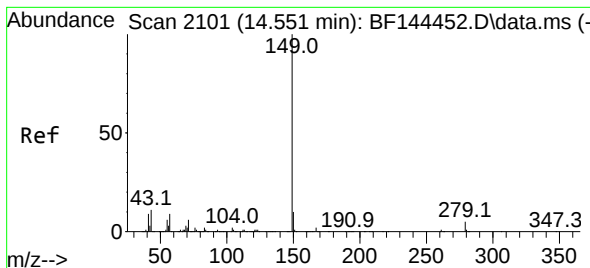
Ion Ratio Lower Upper

149 100

167 31.9 22.6 34.0

279 5.0 3.7 5.5





#85

Di-n-octyl phthalate

Concen: 6.505 ng

RT: 14.545 min Scan# 2101

Delta R.T. -0.006 min

Lab File: BF144483.D

Acq: 15 Dec 2025 19:34

Instrument :

BNA_F

ClientSampleId :

C0AT6

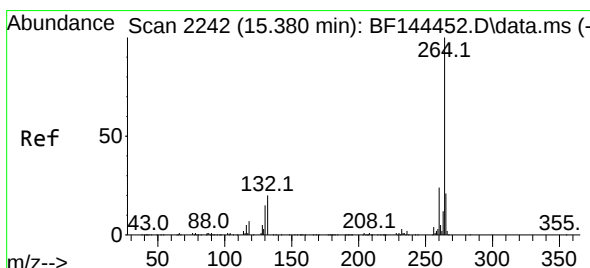
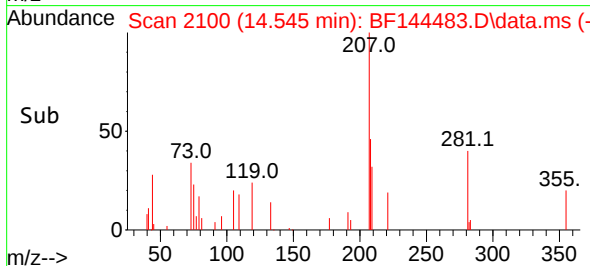
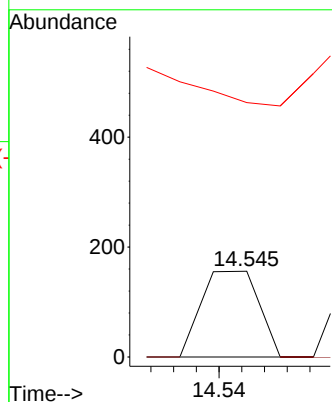
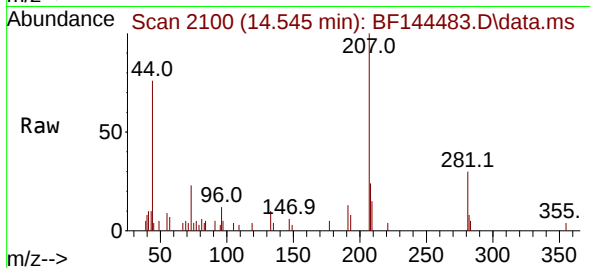
Tgt Ion:149 Resp: 110

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: BF144483.D

Acq: 15 Dec 2025 19:34

Tgt Ion:264 Resp: 462130

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.6

265 21.4 17.1 25.7

