

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121225\
 Data File : BF144459.D
 Acq On : 12 Dec 2025 19:32
 Operator : RC/JU
 Sample : Q3839-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0AS1

Quant Time: Dec 12 23:33:22 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)

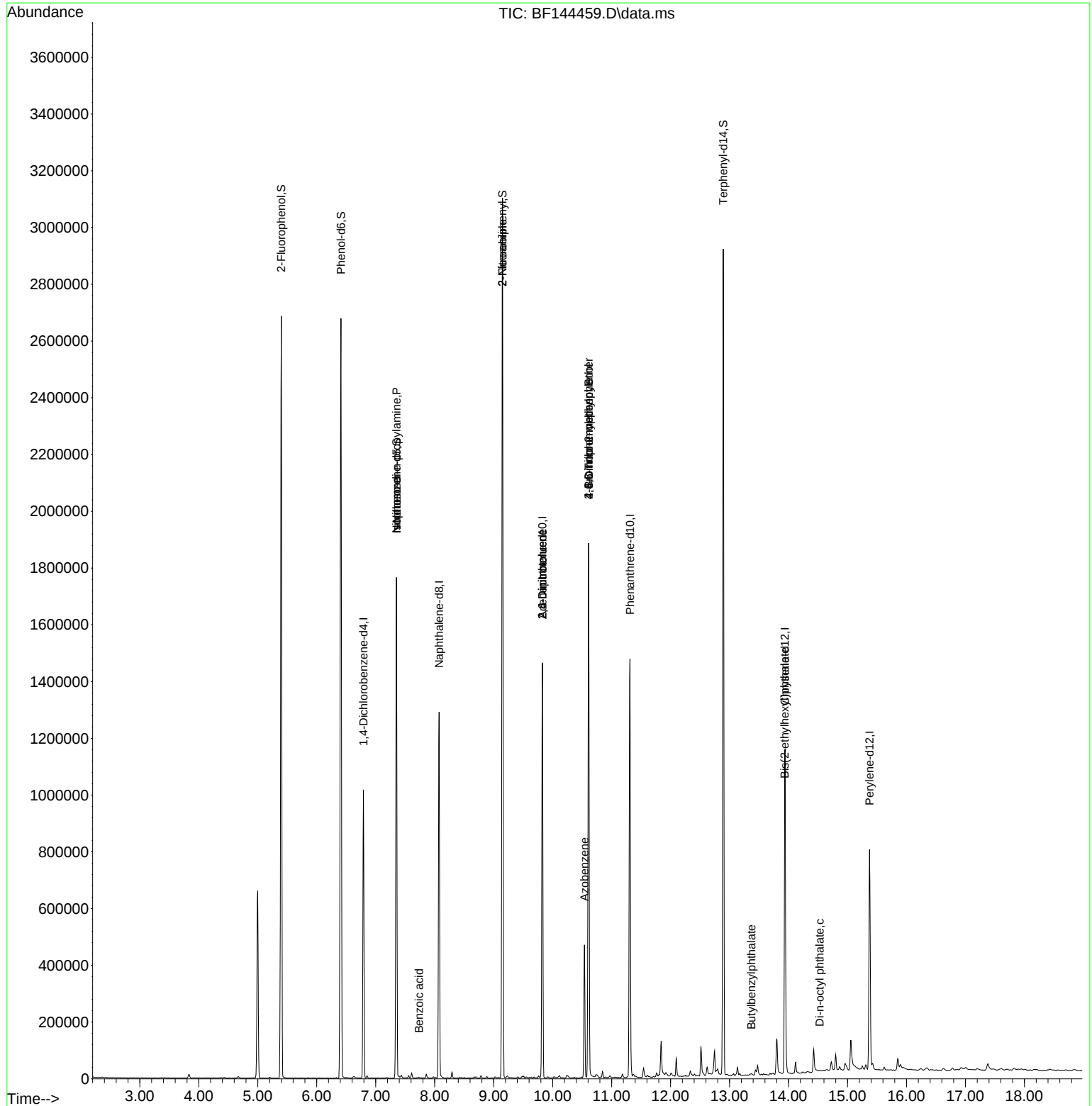
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	204564	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	797765	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	432795	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	744427	20.000	ng	0.00
76) Chrysene-d12	13.939	240	516579	20.000	ng	0.00
86) Perylene-d12	15.374	264	427388	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	1017704	75.013	ng	0.00
7) Phenol-d6	6.410	99	1290334	76.250	ng	0.00
23) Nitrobenzene-d5	7.351	82	753183	59.081	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	312787	79.938	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1376265	48.783	ng	0.00
79) Terphenyl-d14	12.892	244	1354369	41.393	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	99145	9.275	ng	# 80
25) Isophorone	7.351	82	742211	25.797	ng	# 65
32) Benzoic acid	7.734	122	522	6.522	ng	# 85
48) 2-Nitroaniline	9.151	65	2653	3.964	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	57566	13.779	ng	# 24
57) 2,4-Dinitrotoluene	9.828	165	57566	11.117	ng	# 21
63) Azobenzene	10.539	77	115992	3.961	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	653	6.985	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	19980	2.299	ng	# 1
80) Butylbenzylphthalate	13.368	149	118	3.265	ng	# 48
84) Bis(2-ethylhexyl)phtha...	13.933	149	4590	3.143	ng	# 98
85) Di-n-octyl phthalate	14.527	149	523	6.518	ng	# 1

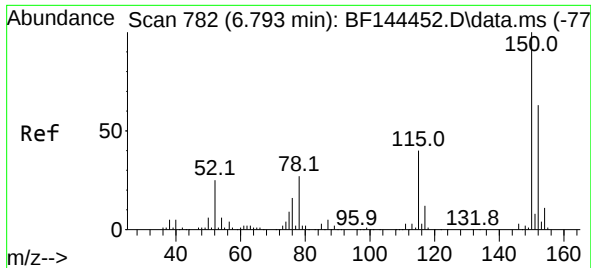
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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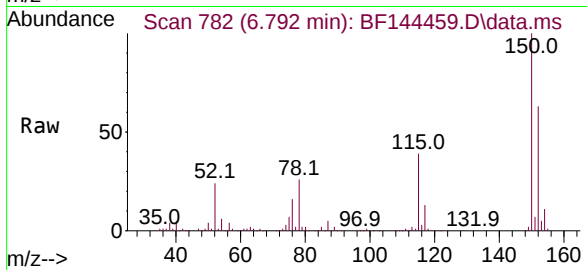
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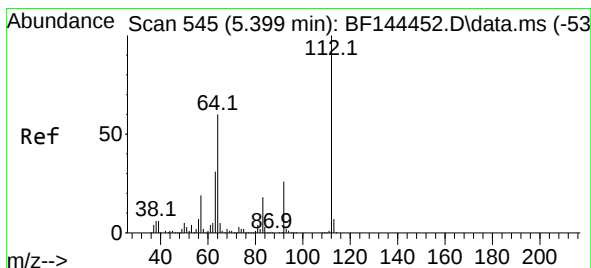
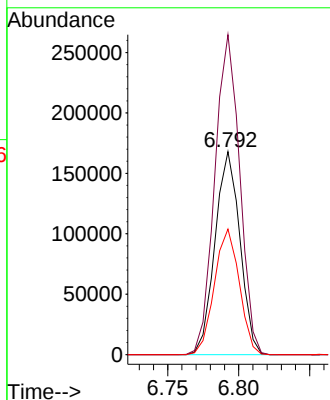
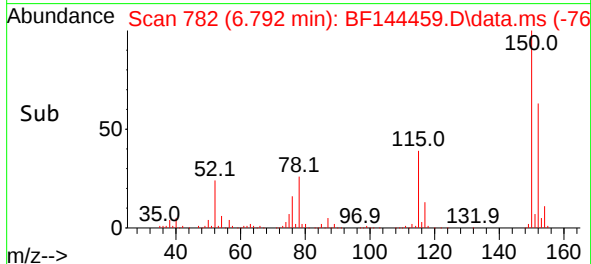


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 782
 Delta R.T. -0.001 min
 Lab File: BF144459.D
 Acq: 12 Dec 2025 19:32

Instrument :
 BNA_F
 ClientSampleId :
 C0AS1

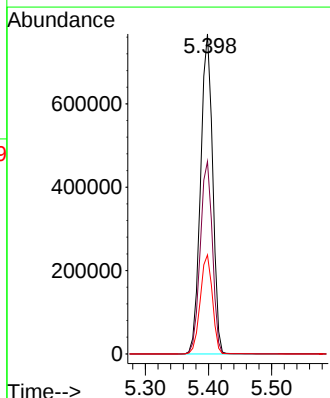
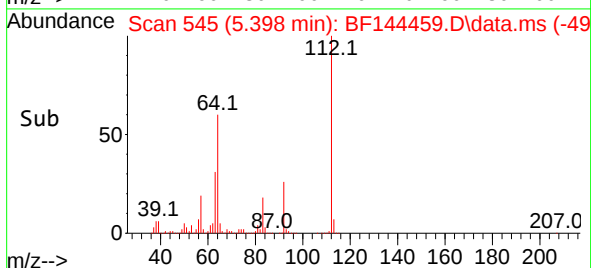
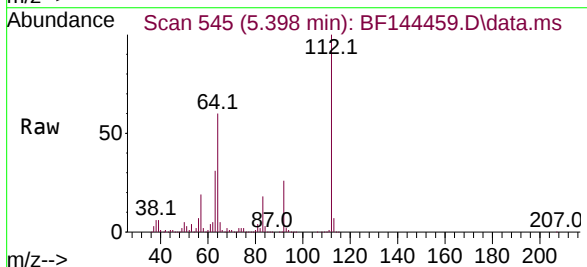


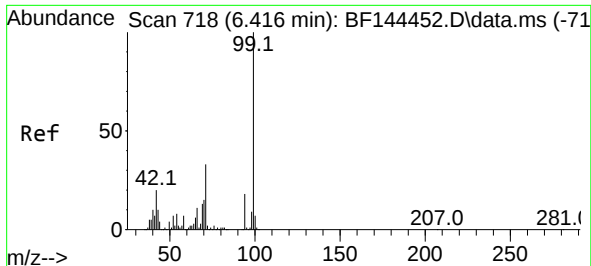
Tgt Ion:152 Resp: 204564
 Ion Ratio Lower Upper
 152 100
 150 157.7 127.4 191.2
 115 61.9 51.4 77.0



#5
 2-Fluorophenol
 Concen: 75.013 ng
 RT: 5.398 min Scan# 545
 Delta R.T. -0.000 min
 Lab File: BF144459.D
 Acq: 12 Dec 2025 19:32

Tgt Ion:112 Resp: 1017704
 Ion Ratio Lower Upper
 112 100
 64 60.1 47.8 71.6
 63 30.9 24.6 37.0

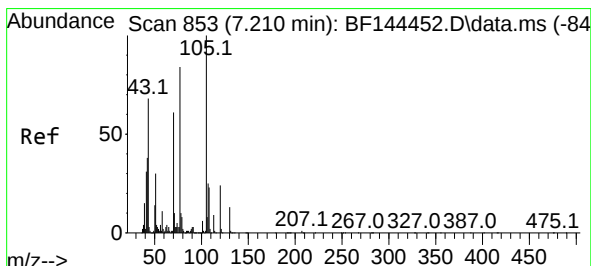
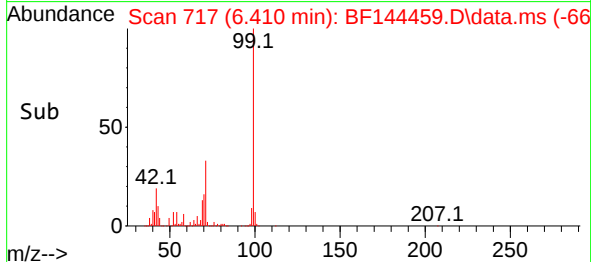
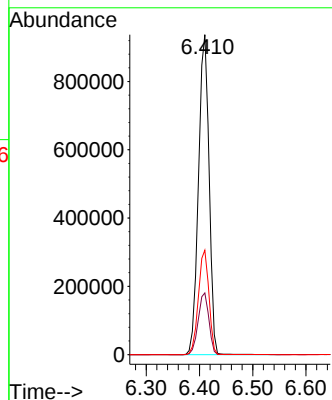
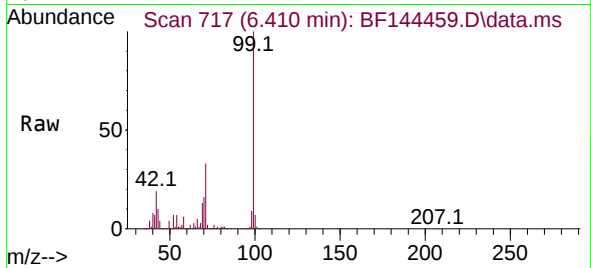




#7
Phenol-d6
Concen: 76.250 ng
RT: 6.410 min Scan# 718
Delta R.T. -0.006 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

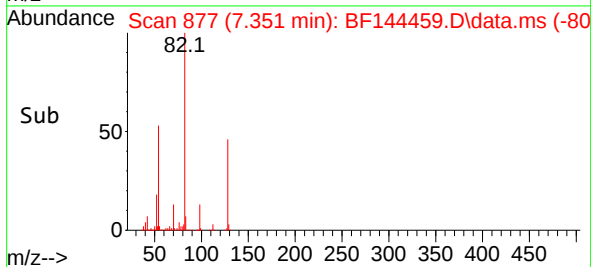
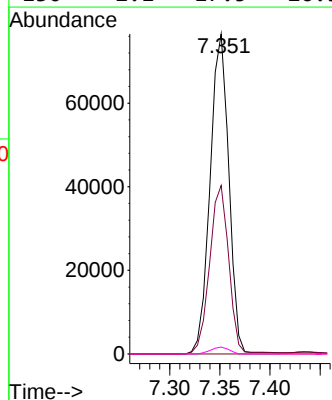
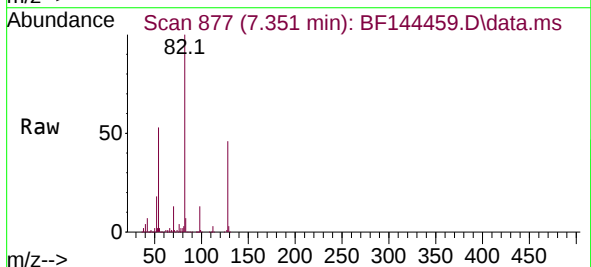
Instrument :
BNA_F
ClientSampleId :
C0AS1

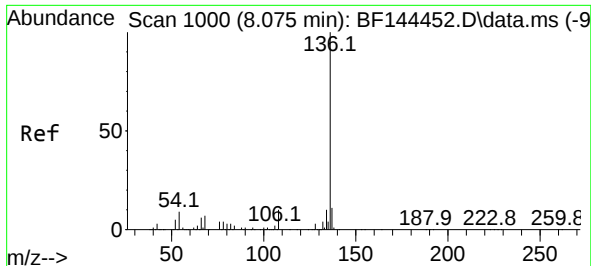
Tgt Ion: 99 Resp: 1290334
Ion Ratio Lower Upper
99 100
42 19.3 15.7 23.5
71 32.6 26.4 39.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.275 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

Tgt Ion: 70 Resp: 99145
Ion Ratio Lower Upper
70 100
42 52.6 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# 10

Delta R.T. -0.000 min

Lab File: BF144459.D

Acq: 12 Dec 2025 19:32

Instrument :

BNA_F

ClientSampleId :

C0AS1

Tgt Ion:136 Resp: 797765

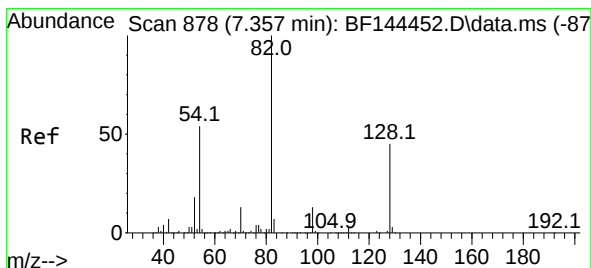
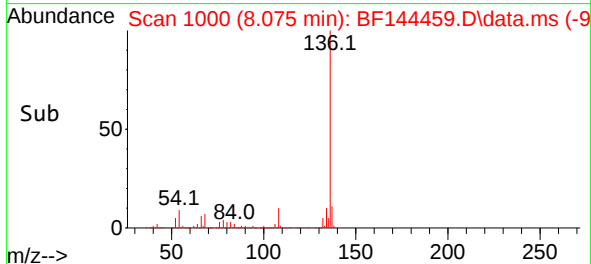
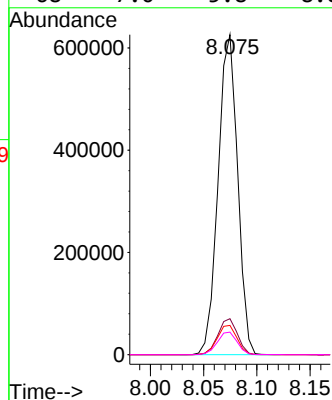
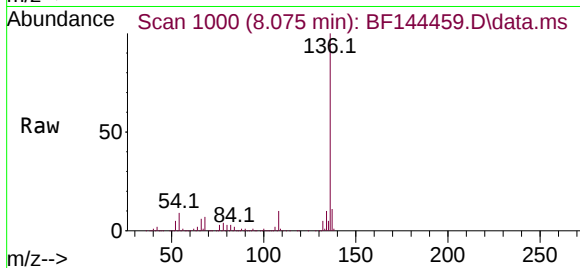
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.1 7.5 11.3

68 7.0 5.8 8.8



#23

Nitrobenzene-d5

Concen: 59.081 ng

RT: 7.351 min Scan# 877

Delta R.T. -0.006 min

Lab File: BF144459.D

Acq: 12 Dec 2025 19:32

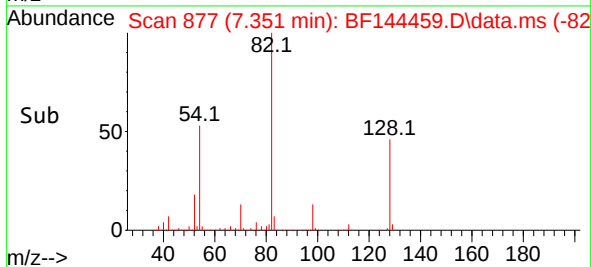
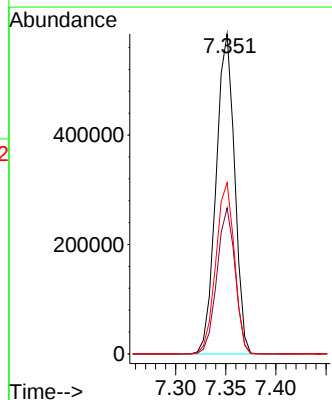
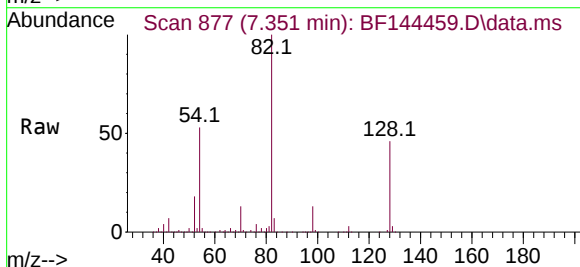
Tgt Ion: 82 Resp: 753183

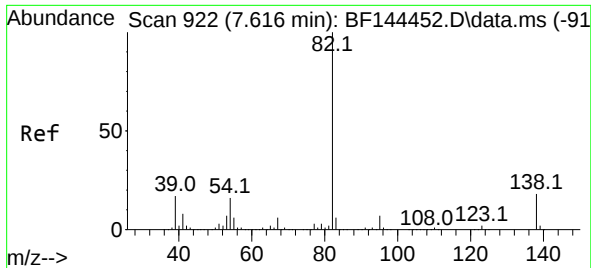
Ion Ratio Lower Upper

82 100

128 45.6 35.5 53.3

54 53.5 43.3 64.9

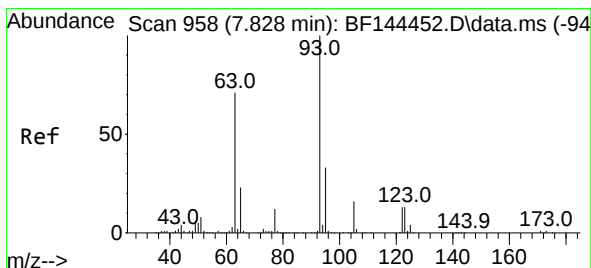
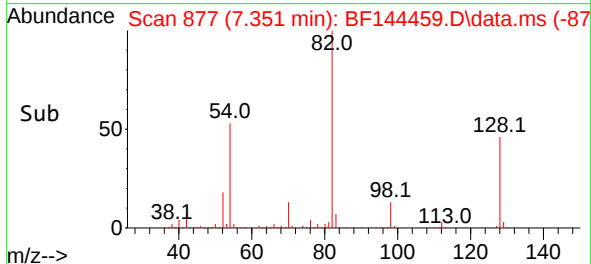
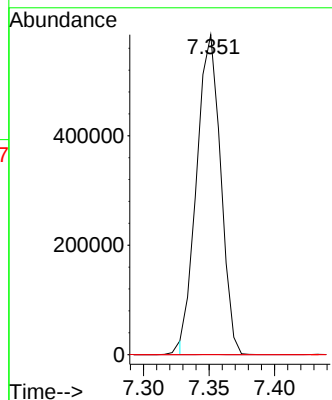
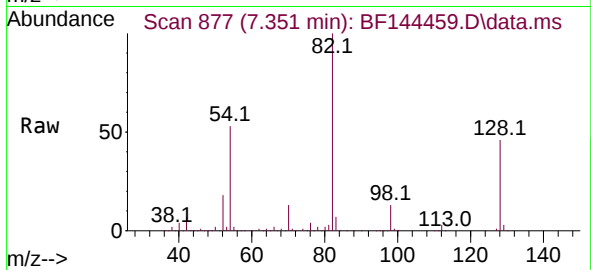




#25
Isophorone
Concen: 25.797 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

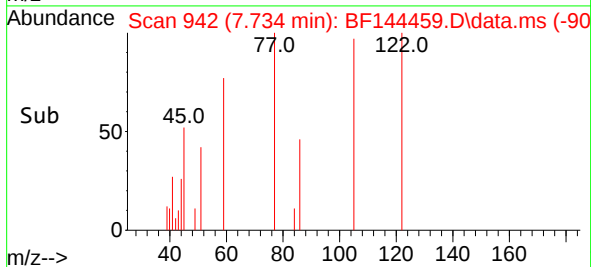
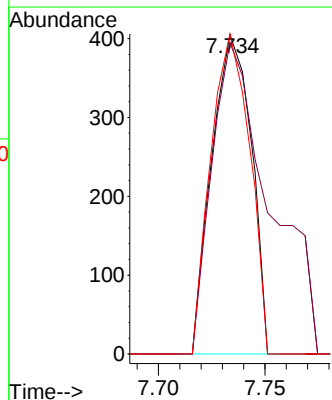
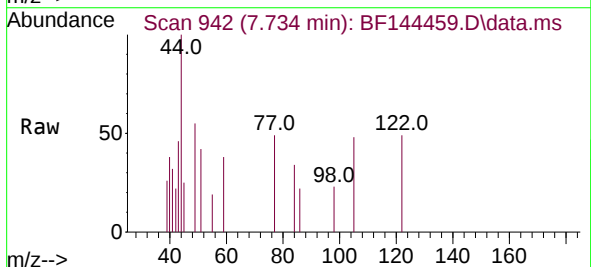
Instrument :
BNA_F
ClientSampleId :
C0AS1

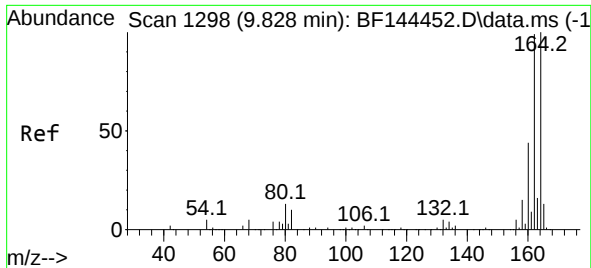
Tgt Ion: 82 Resp: 742211
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.4 21.6#



#32
Benzoic acid
Concen: 6.522 ng
RT: 7.734 min Scan# 942
Delta R.T. -0.094 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

Tgt Ion:122 Resp: 522
Ion Ratio Lower Upper
122 100
105 97.5 103.2 143.2#
77 100.2 75.1 115.1

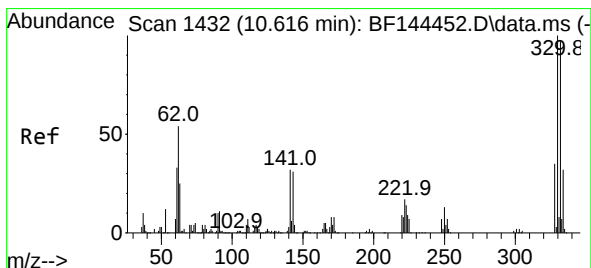
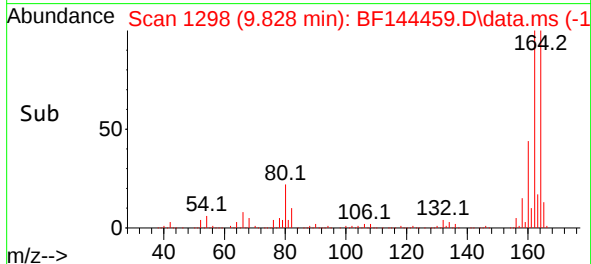
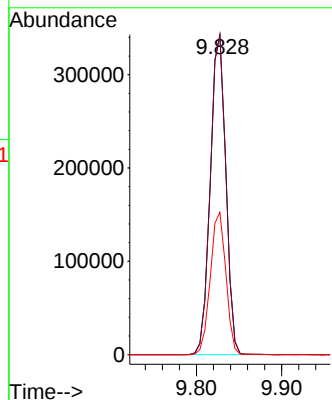
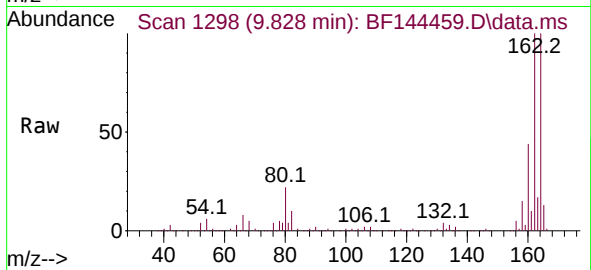




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

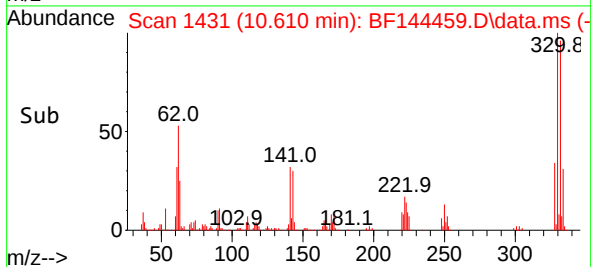
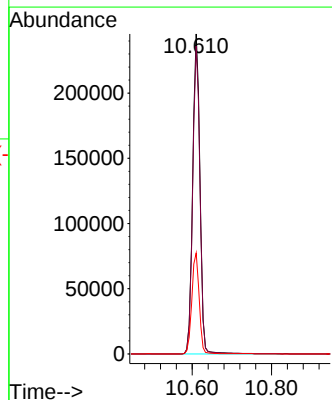
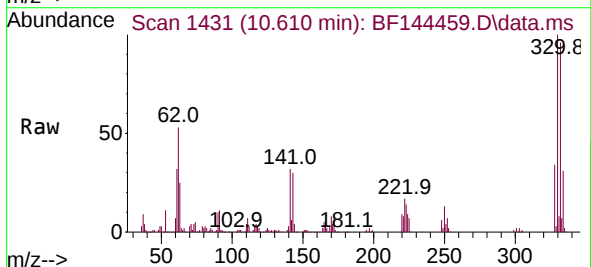
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ClientSampleId :
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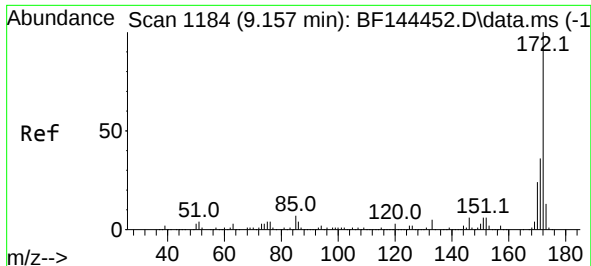
Tgt Ion:164 Resp: 432795
Ion Ratio Lower Upper
164 100
162 100.2 79.2 118.8
160 44.6 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 79.938 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

Tgt Ion:330 Resp: 312787
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 32.0 26.2 39.2

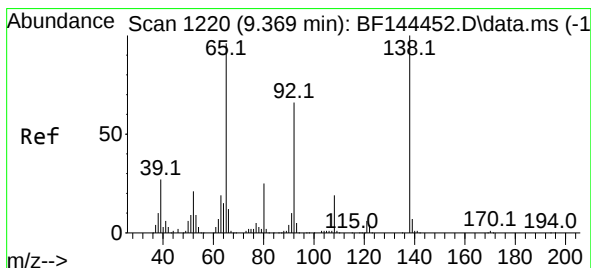
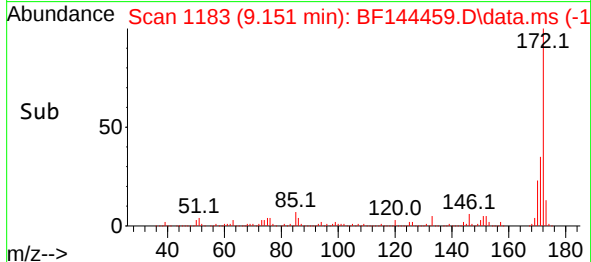
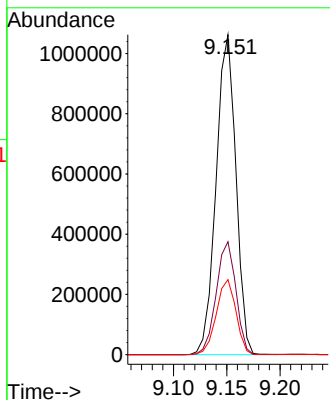
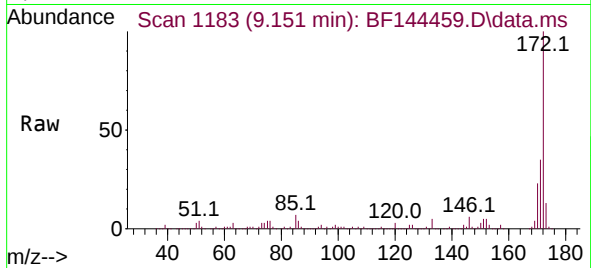




#45
2-Fluorobiphenyl
Concen: 48.783 ng
RT: 9.151 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

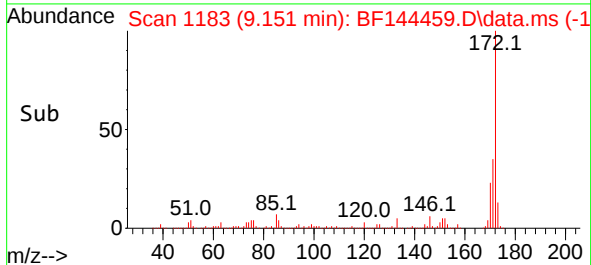
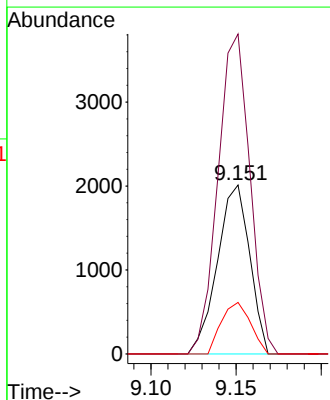
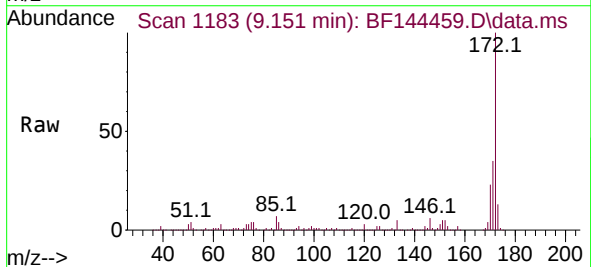
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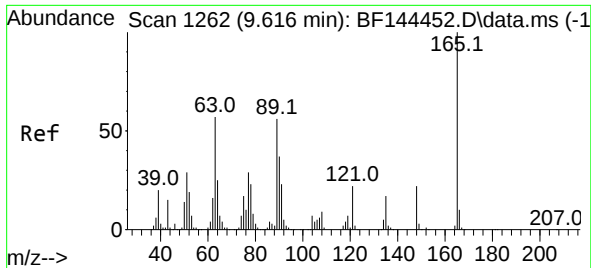
Tgt Ion:172 Resp: 1376265
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 23.4 19.3 28.9



#48
2-Nitroaniline
Concen: 3.964 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.218 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

Tgt Ion: 65 Resp: 2653
Ion Ratio Lower Upper
65 100
92 189.5 55.0 82.4#
138 30.5 83.4 125.2#

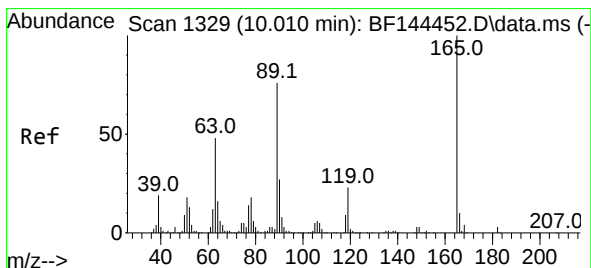
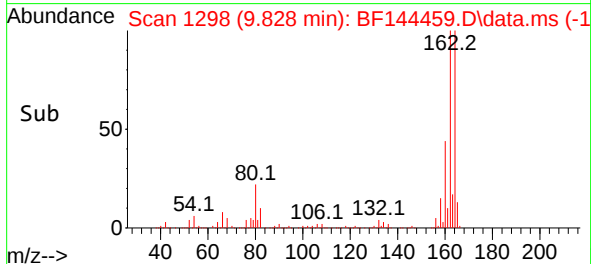
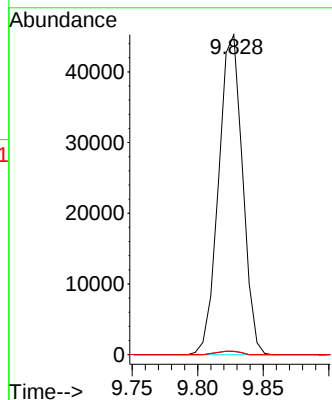
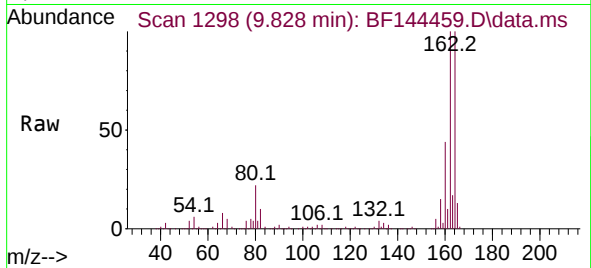




#51
2,6-Dinitrotoluene
Concen: 13.779 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.212 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

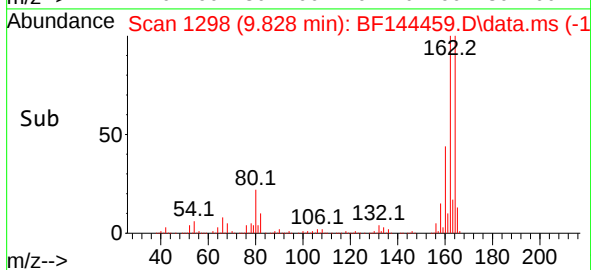
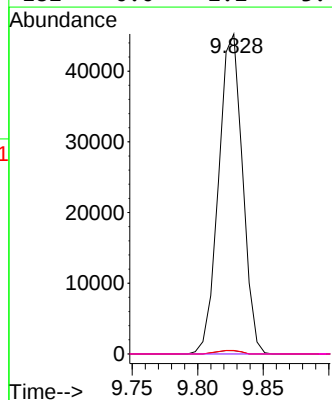
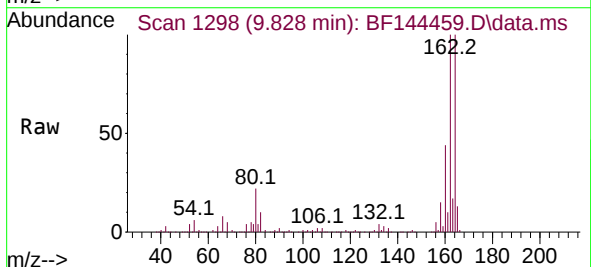
Instrument :
BNA_F
ClientSampleId :
C0AS1

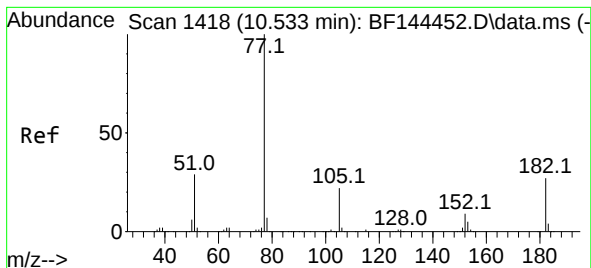
Tgt Ion:165 Resp: 57566
Ion Ratio Lower Upper
165 100
63 1.0 45.9 68.9#
89 1.1 44.6 67.0#



#57
2,4-Dinitrotoluene
Concen: 11.117 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.182 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

Tgt Ion:165 Resp: 57566
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: 3.961 ng

RT: 10.539 min Scan# 1418

Delta R.T. 0.006 min

Lab File: BF144459.D

Acq: 12 Dec 2025 19:32

Instrument :

BNA_F

ClientSampleId :

C0AS1

Tgt Ion: 77 Resp: 115992

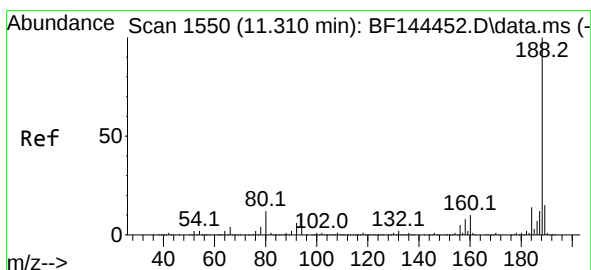
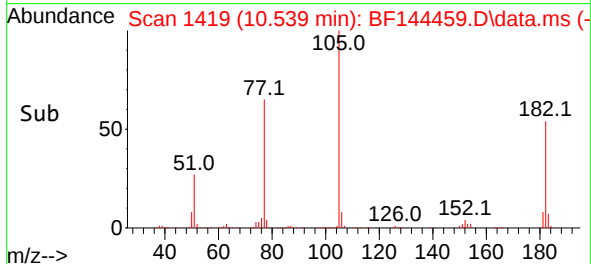
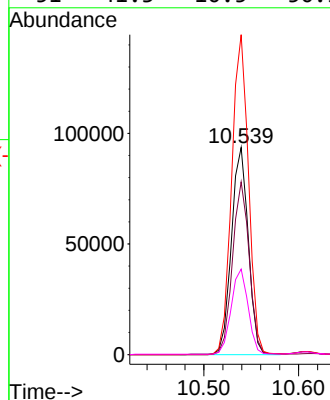
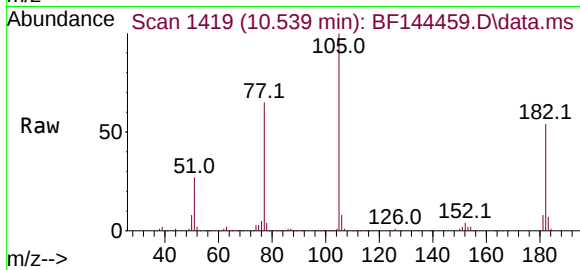
Ion Ratio Lower Upper

77 100

182 83.4 6.1 46.1#

105 154.5 1.5 41.5#

51 41.3 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: BF144459.D

Acq: 12 Dec 2025 19:32

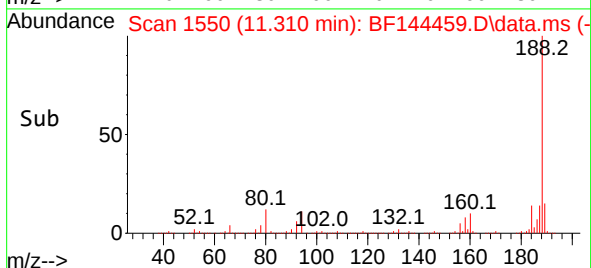
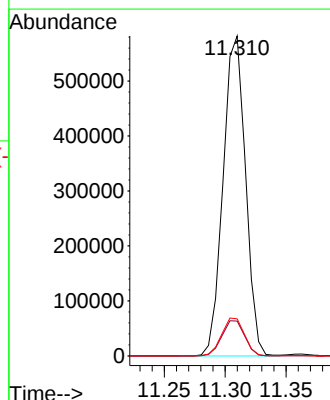
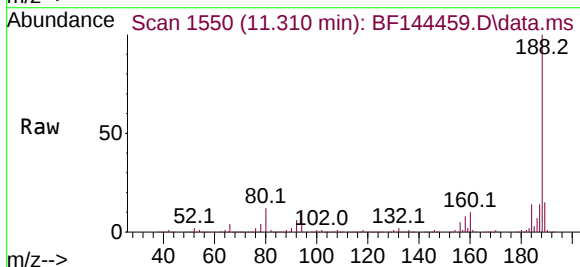
Tgt Ion:188 Resp: 744427

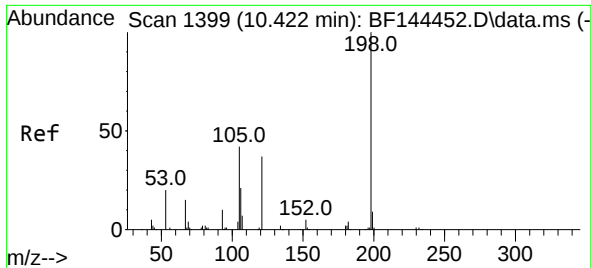
Ion Ratio Lower Upper

188 100

94 10.9 9.0 13.6

80 11.6 9.8 14.8

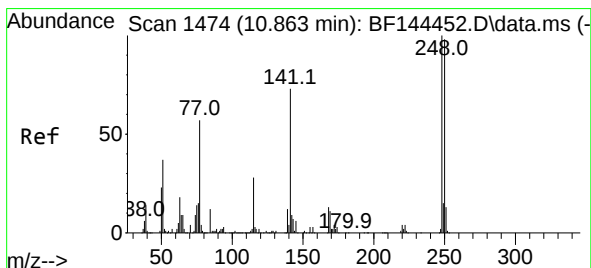
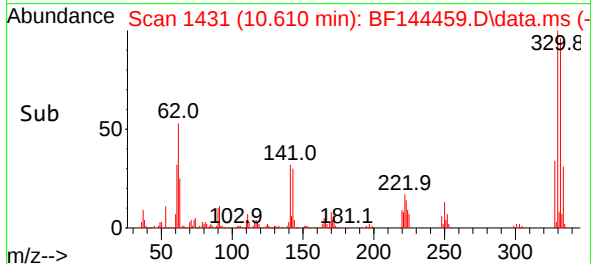
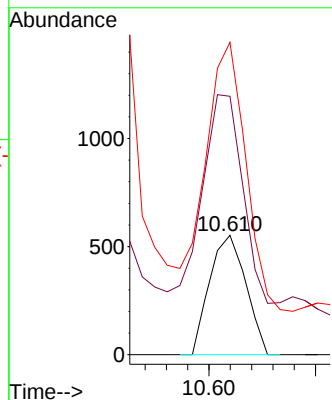
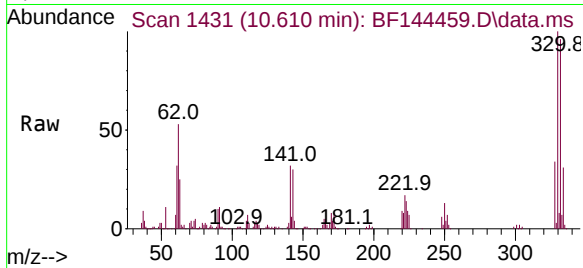




#65
4,6-Dinitro-2-methylphenol
Concen: 6.985 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.188 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

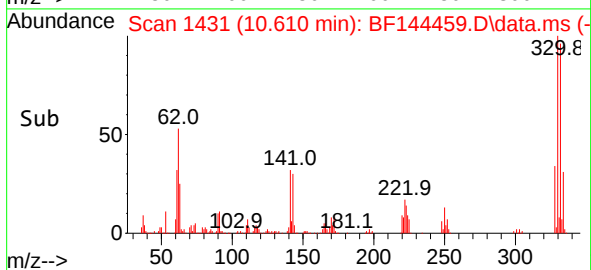
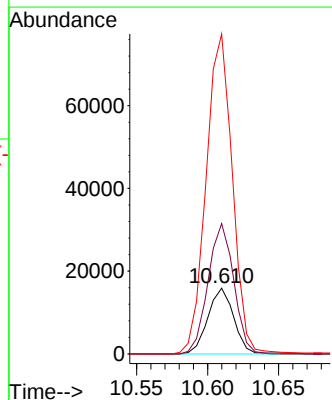
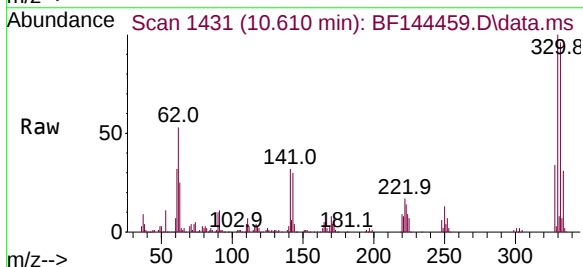
Instrument :
BNA_F
ClientSampleId :
C0AS1

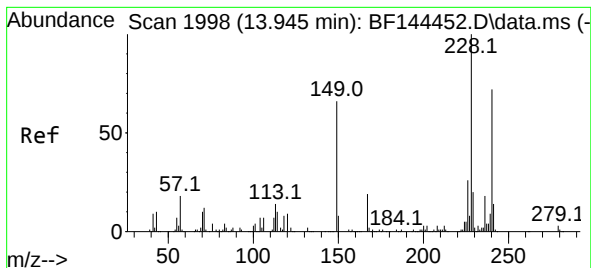
Tgt Ion:198 Resp: 653
Ion Ratio Lower Upper
198 100
51 216.7 25.5 65.5#
105 261.8 23.4 63.4#



#67
4-Bromophenyl-phenylether
Concen: 2.299 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.253 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

Tgt Ion:248 Resp: 19980
Ion Ratio Lower Upper
248 100
250 198.2 78.2 117.4#
141 487.0 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: BF144459.D

Acq: 12 Dec 2025 19:32

Instrument :

BNA_F

ClientSampleId :

C0AS1

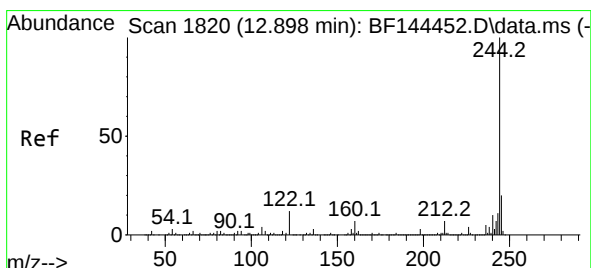
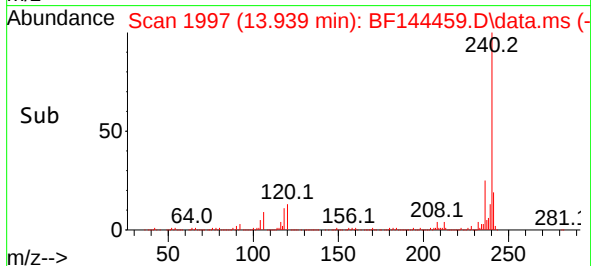
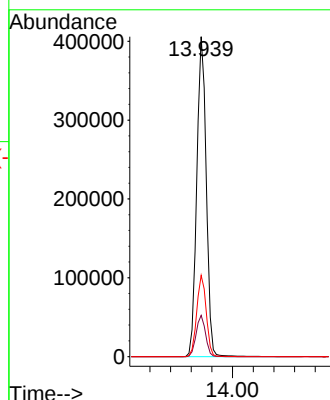
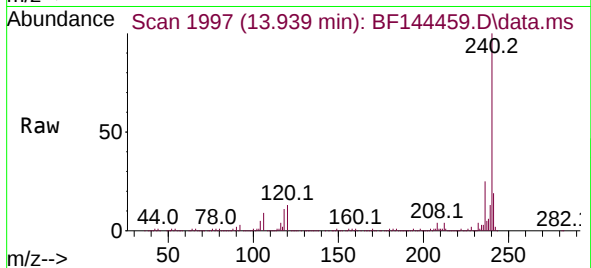
Tgt Ion:240 Resp: 516579

Ion Ratio Lower Upper

240 100

120 12.9 10.3 15.5

236 25.4 20.2 30.4



#79

Terphenyl-d14

Concen: 41.393 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.006 min

Lab File: BF144459.D

Acq: 12 Dec 2025 19:32

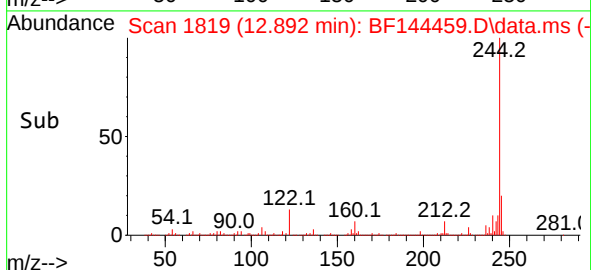
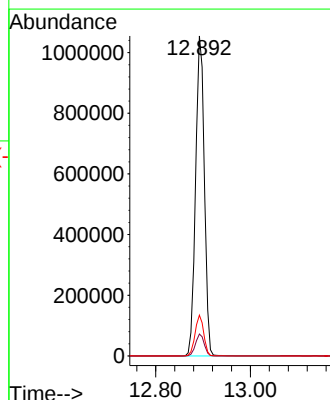
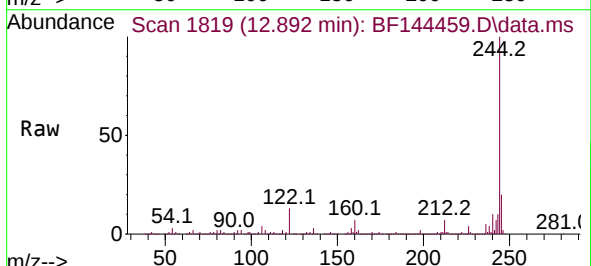
Tgt Ion:244 Resp: 1354369

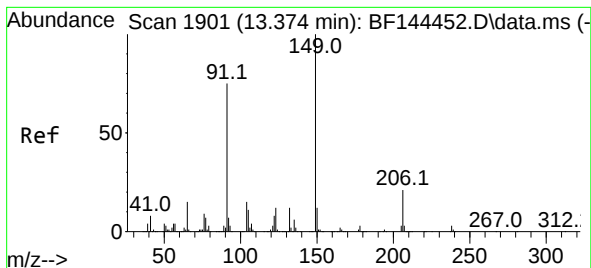
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 12.7 9.9 14.9





#80

Butylbenzylphthalate

Concen: 3.265 ng

RT: 13.368 min Scan# 1901

Delta R.T. -0.006 min

Lab File: BF144459.D

Acq: 12 Dec 2025 19:32

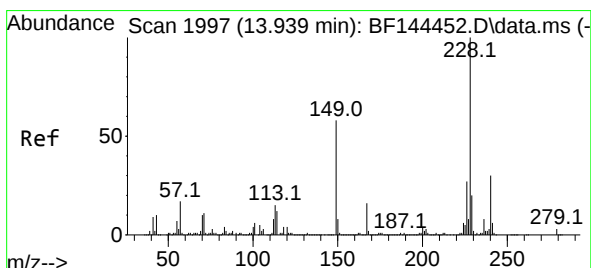
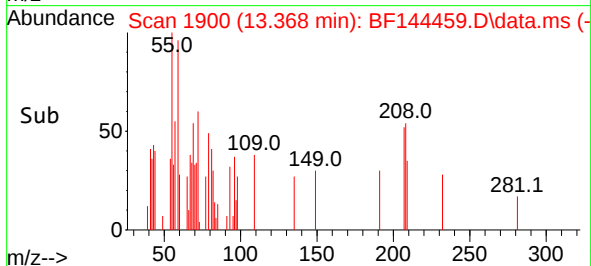
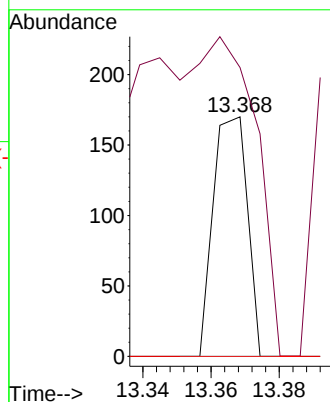
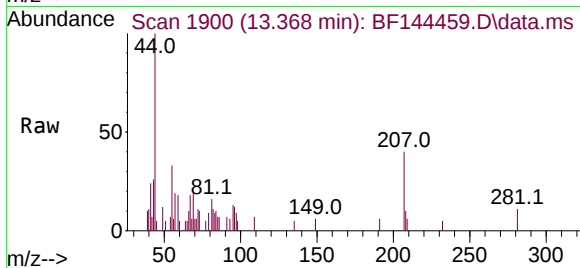
Instrument :

BNA_F

ClientSampleId :

C0AS1

Tgt Ion:	149	Resp:	118
Ion Ratio	Lower	Upper	
149	100		
91	120.6	59.8	89.8#
206	0.0	17.0	25.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.143 ng

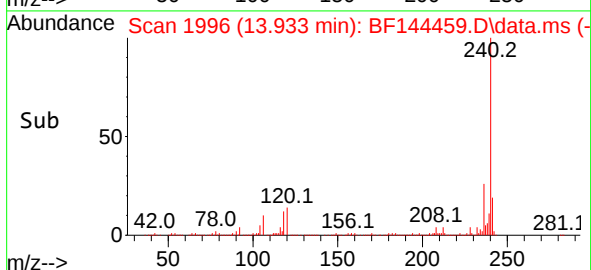
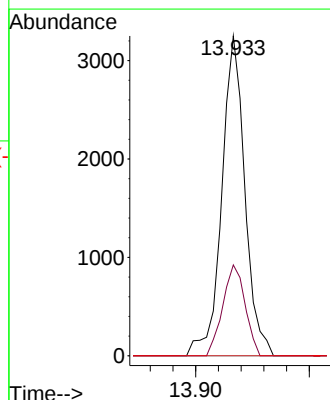
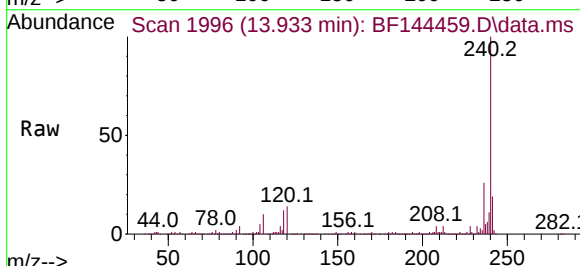
RT: 13.933 min Scan# 1996

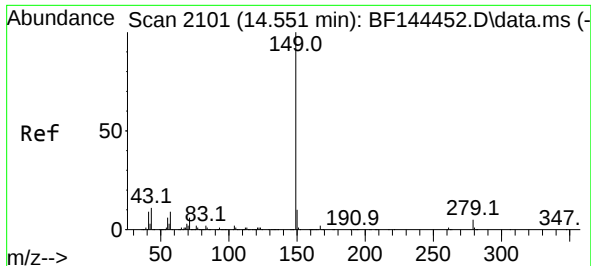
Delta R.T. -0.006 min

Lab File: BF144459.D

Acq: 12 Dec 2025 19:32

Tgt Ion:	149	Resp:	4590
Ion Ratio	Lower	Upper	
149	100		
167	28.4	22.6	34.0
279	0.0	3.7	5.5#

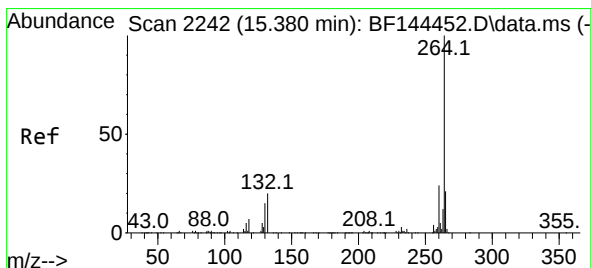
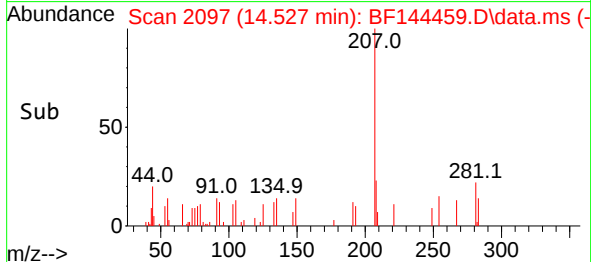
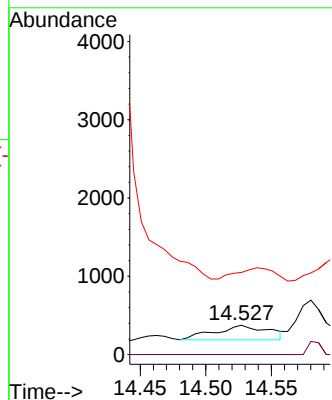
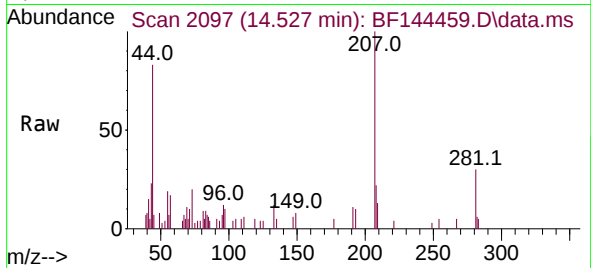




#85
Di-n-octyl phthalate
Concen: 6.518 ng
RT: 14.527 min Scan# 2097
Delta R.T. -0.024 min
Lab File: BF144459.D
Acq: 12 Dec 2025 19:32

Instrument :
BNA_F
ClientSampleId :
C0AS1

Tgt Ion:149 Resp: 523
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 125.0 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: BF144459.D
Acq: 12 Dec 2025 19:32

Tgt Ion:264 Resp: 427388
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 21.5 17.1 25.7

