

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121625\
 Data File : BF144506.D
 Acq On : 16 Dec 2025 20:44
 Operator : RC/JU
 Sample : Q3872-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0367

Quant Time: Dec 17 00:52:01 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)

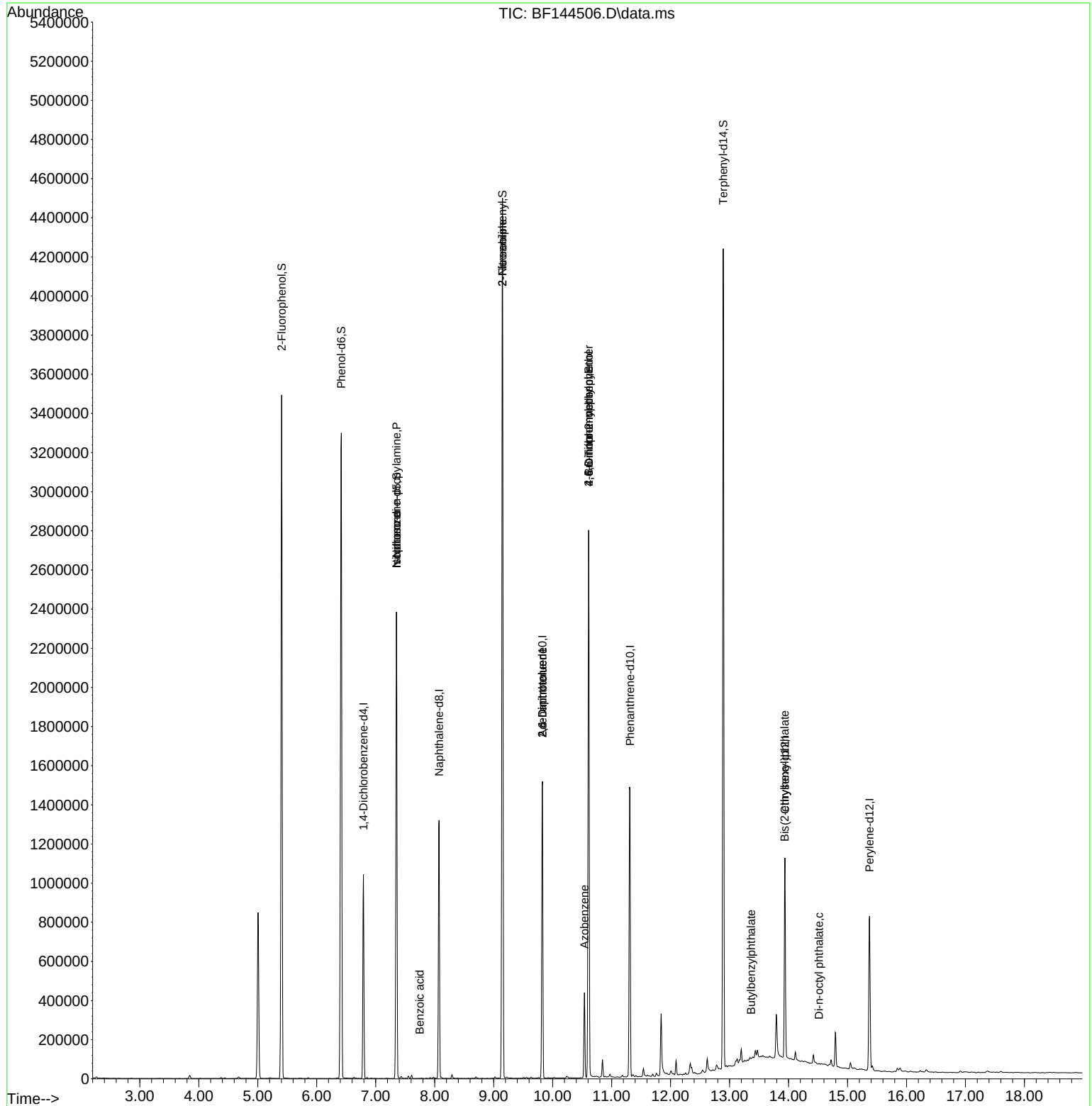
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	213533	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	853333	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	472444	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	772288	20.000	ng	0.00
76) Chrysene-d12	13.939	240	481927	20.000	ng	0.00
86) Perylene-d12	15.374	264	452559	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1369962	96.736	ng	0.00
7) Phenol-d6	6.416	99	1747491	98.928	ng	0.00
23) Nitrobenzene-d5	7.351	82	1080223	79.216	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	495524	116.011	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2050864	66.594	ng	0.00
79) Terphenyl-d14	12.892	244	1981985	64.929	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	147675	13.235	ng	# 75
25) Isophorone	7.351	82	1062208	34.515	ng	# 65
32) Benzoic acid	7.745	122	186	6.483	ng	# 73
48) 2-Nitroaniline	9.151	65	3716	4.058	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	61656	13.593	ng	# 24
57) 2,4-Dinitrotoluene	9.828	165	61656	10.981	ng	# 21
63) Azobenzene	10.539	77	106250	3.324	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	1074	7.089	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	31188	3.459	ng	# 1
80) Butylbenzylphthalate	13.363	149	418	3.284	ng	# 41
84) Bis(2-ethylhexyl)phtha...	13.933	149	2201	3.028	ng	# 86
85) Di-n-octyl phthalate	14.515	149	880	6.531	ng	# 1

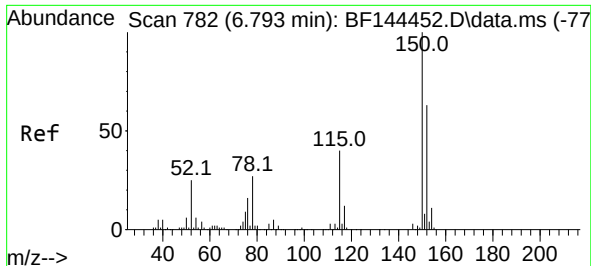
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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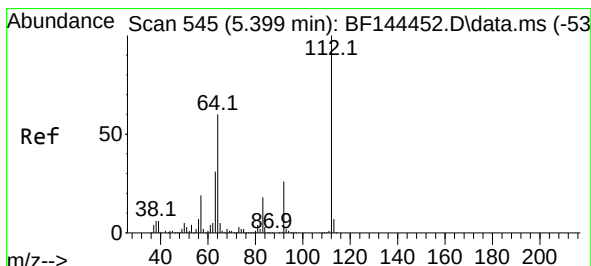
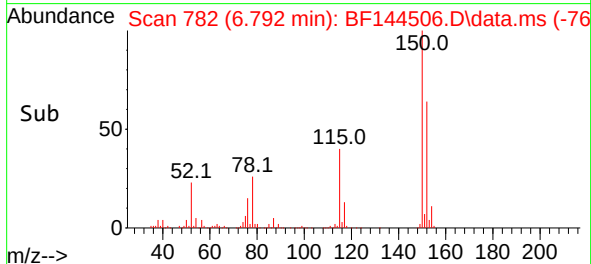
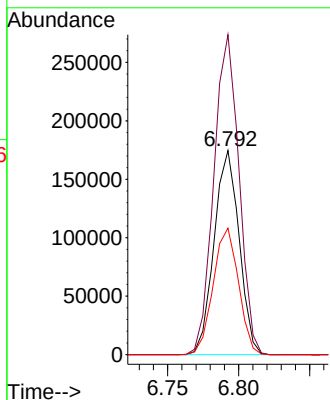
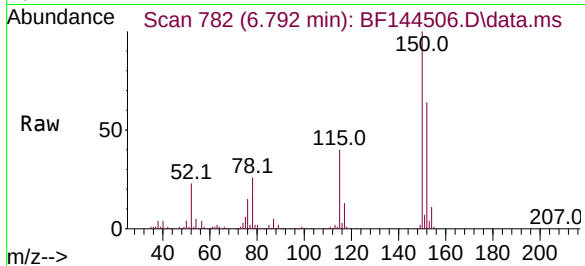




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 782
Delta R.T. -0.001 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

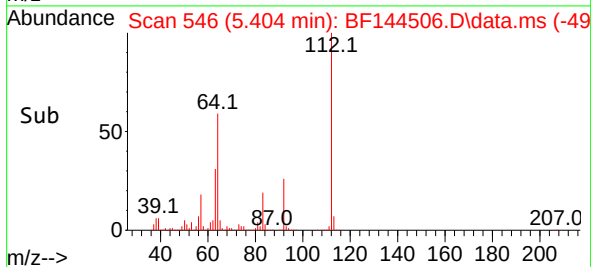
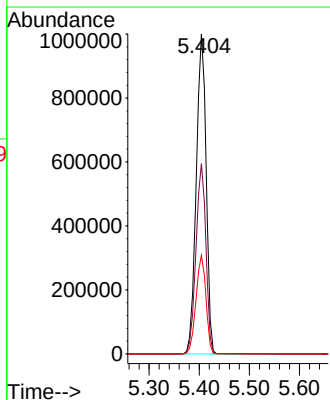
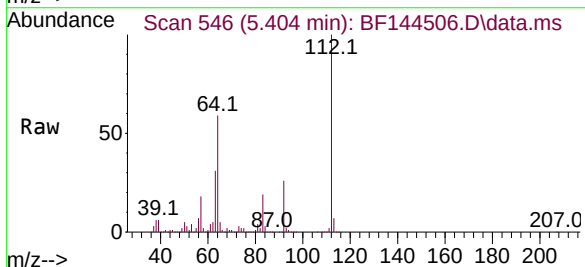
Instrument :
BNA_F
ClientSampleId :
MOO-25-0367

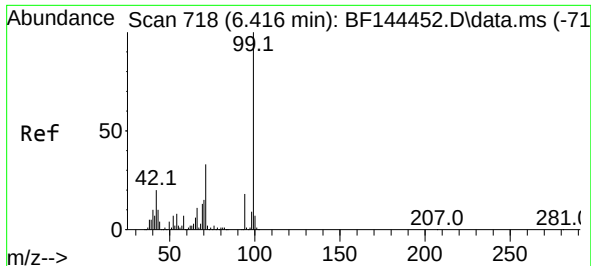
Tgt Ion:152 Resp: 213533
Ion Ratio Lower Upper
152 100
150 156.8 127.4 191.2
115 62.0 51.4 77.0



#5
2-Fluorophenol
Concen: 96.736 ng
RT: 5.404 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

Tgt Ion:112 Resp: 1369962
Ion Ratio Lower Upper
112 100
64 59.4 47.8 71.6
63 30.8 24.6 37.0





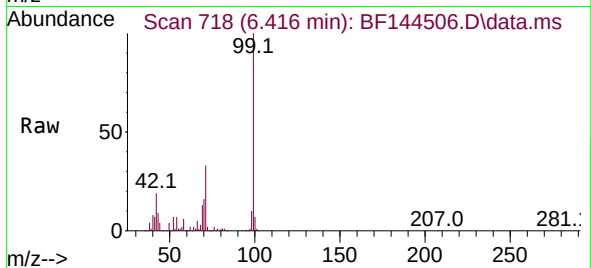
#7
Phenol-d6
Concen: 98.928 ng
RT: 6.416 min Scan# 718
Delta R.T. -0.000 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

Instrument :

BNA_F

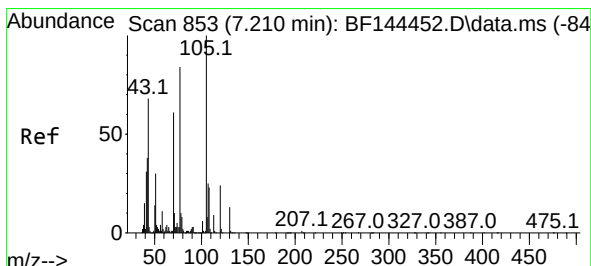
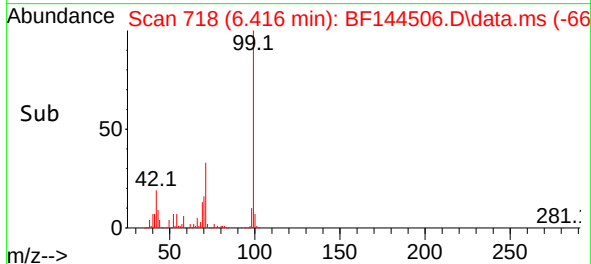
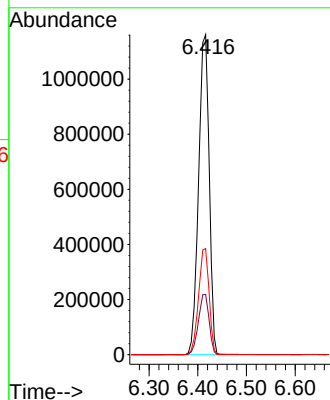
ClientSampleId :

MOO-25-0367



Tgt Ion: 99 Resp: 1747491

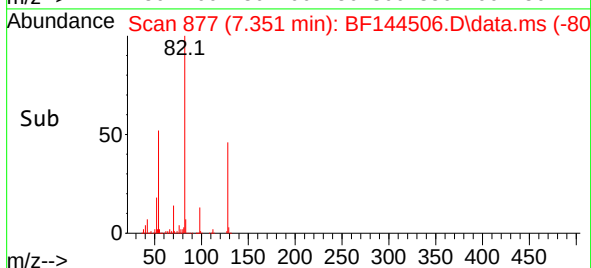
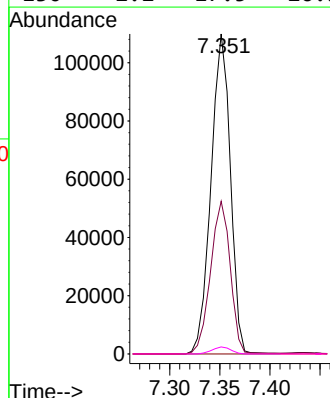
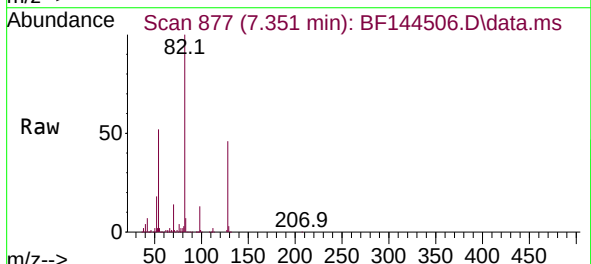
Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.7	23.5
71	33.1	26.4	39.6

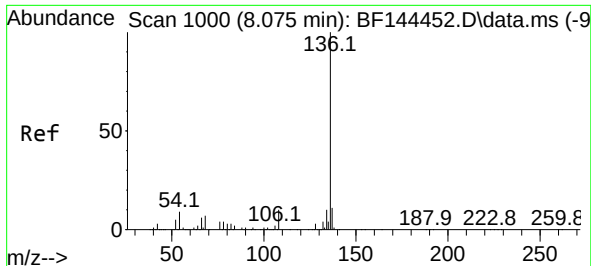


#19
n-Nitroso-di-n-propylamine
Concen: 13.235 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

Tgt Ion: 70 Resp: 147675

Ion	Ratio	Lower	Upper
70	100		
42	47.7	49.4	74.0#
101	0.0	7.8	11.6#
130	2.2	17.5	26.3#



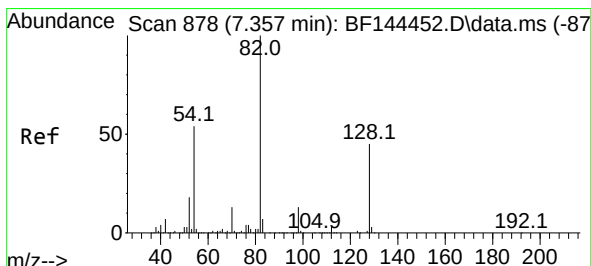
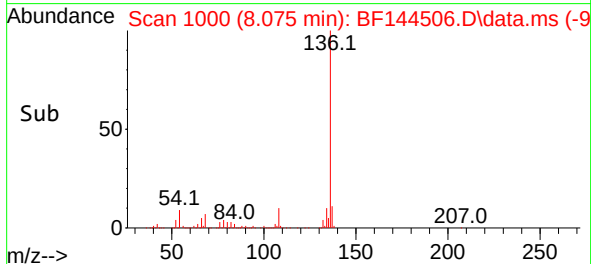
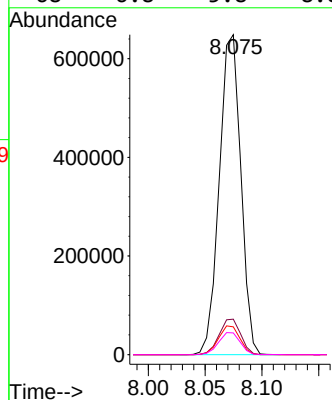
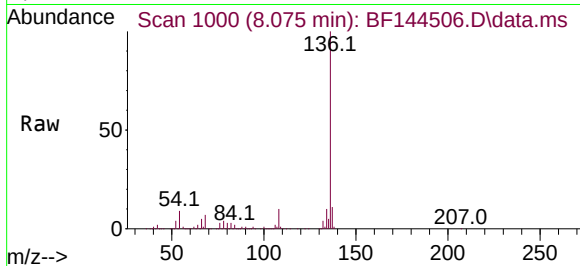


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

Instrument :
BNA_F
ClientSampleId :
MOO-25-0367

Tgt Ion:136 Resp: 853333

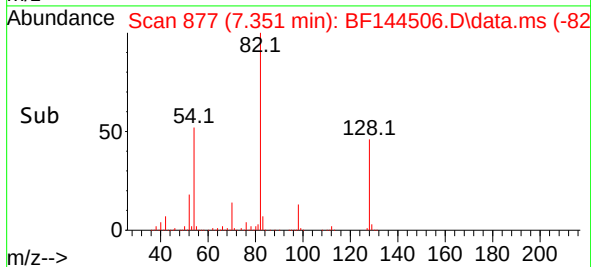
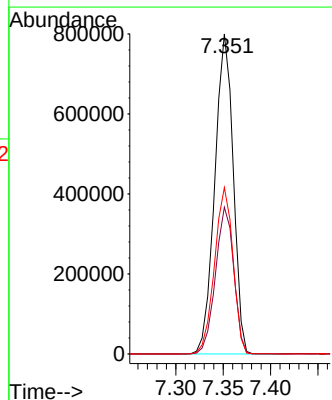
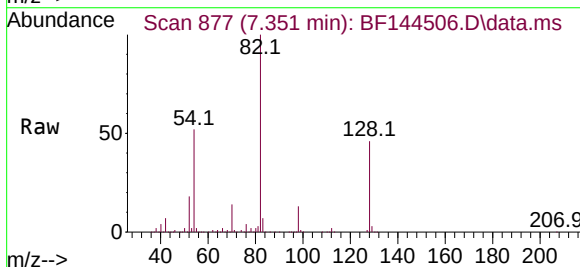
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.7	7.5	11.3
68	6.8	5.8	8.8

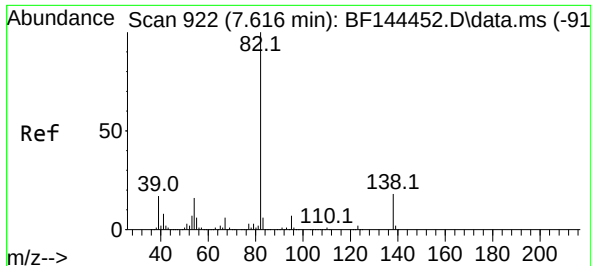


#23
Nitrobenzene-d5
Concen: 79.216 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

Tgt Ion: 82 Resp: 1080223

Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.5	53.3
54	52.0	43.3	64.9

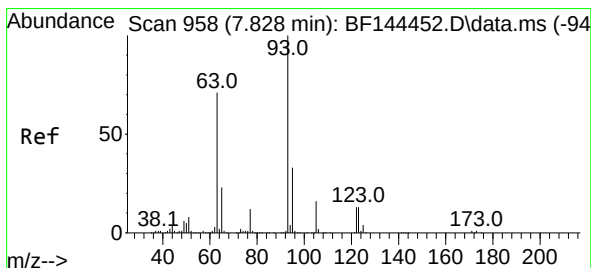
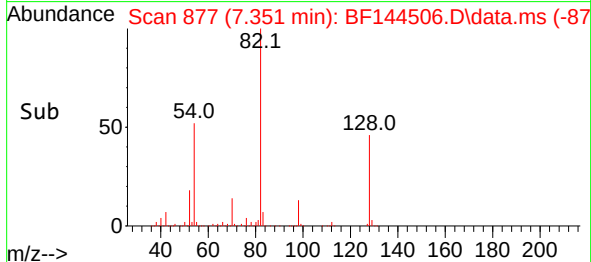
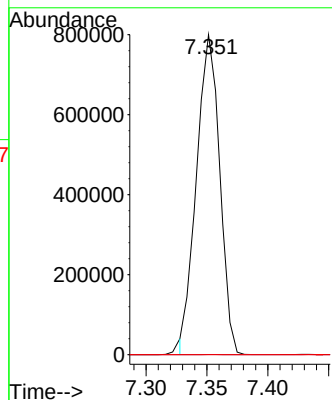
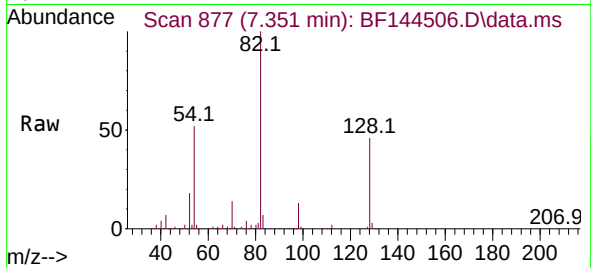




#25
Isophorone
Concen: 34.515 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

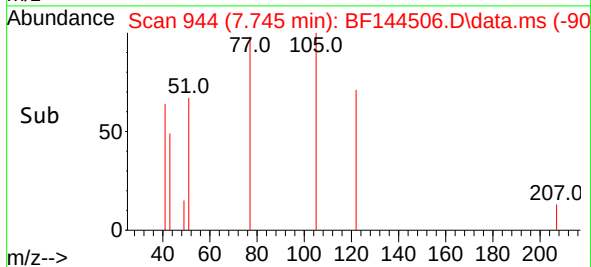
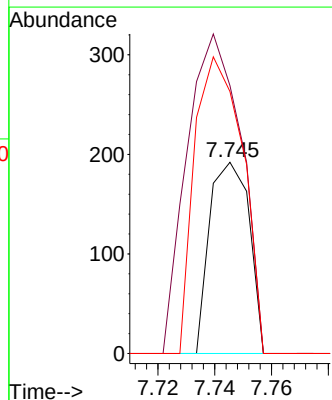
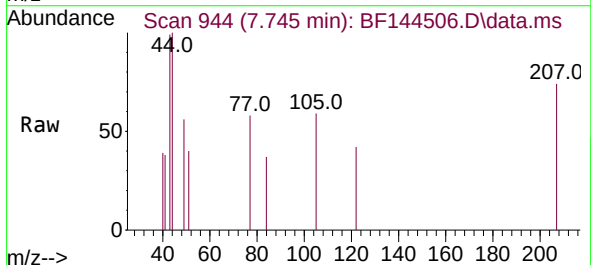
Instrument :
BNA_F
ClientSampleId :
MOO-25-0367

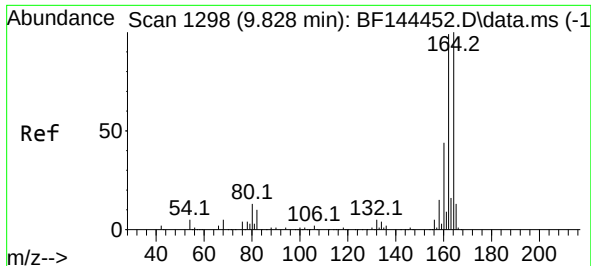
Tgt Ion: 82 Resp: 1062208
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.4 21.6#



#32
Benzoic acid
Concen: 6.483 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.083 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

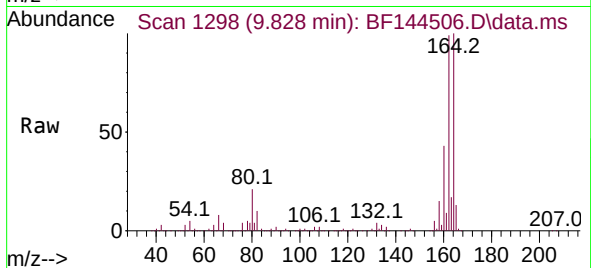
Tgt Ion: 122 Resp: 186
Ion Ratio Lower Upper
122 100
105 140.1 103.2 143.2
77 137.0 75.1 115.1#



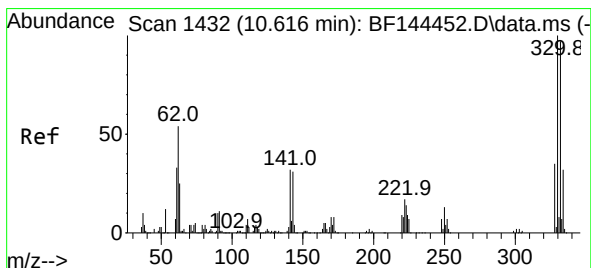
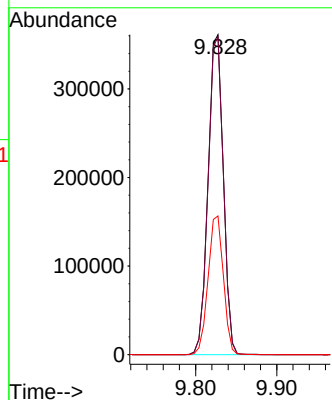
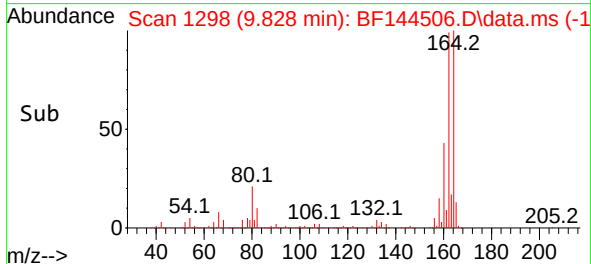


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

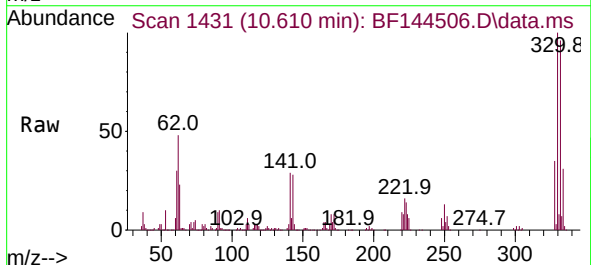
Instrument :
BNA_F
ClientSampleId :
MOO-25-0367



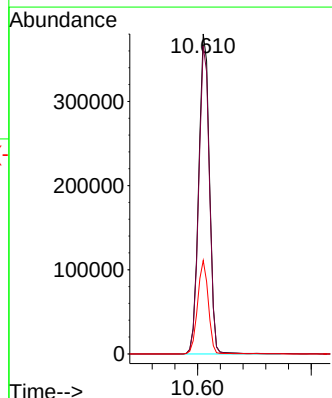
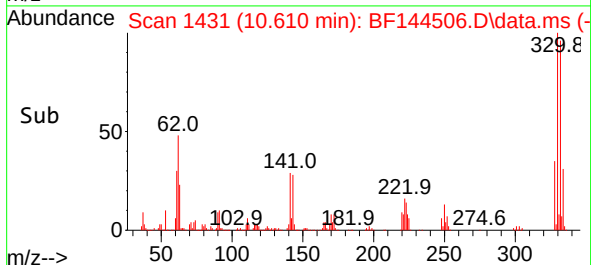
Tgt Ion:164 Resp: 472444
Ion Ratio Lower Upper
164 100
162 99.3 79.2 118.8
160 43.4 35.3 52.9

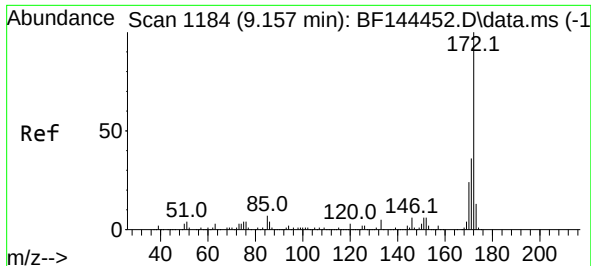


#42
2,4,6-Tribromophenol
Concen: 116.011 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44



Tgt Ion:330 Resp: 495524
Ion Ratio Lower Upper
330 100
332 95.8 77.5 116.3
141 29.0 26.2 39.2





#45

2-Fluorobiphenyl

Concen: 66.594 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF144506.D

Acq: 16 Dec 2025 20:44

Instrument :

BNA_F

ClientSampleId :

MOO-25-0367

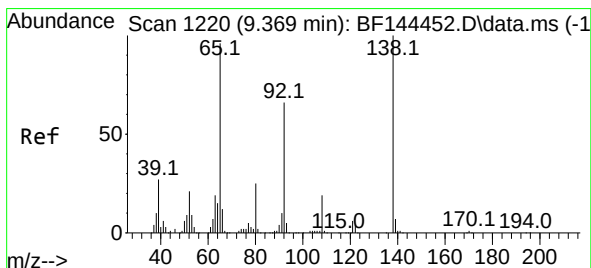
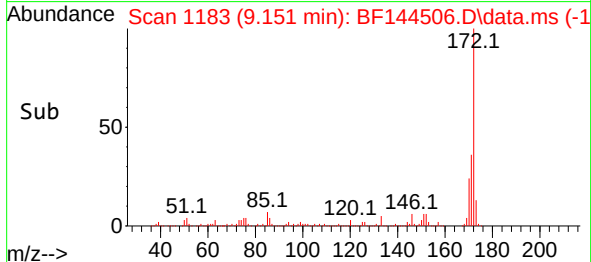
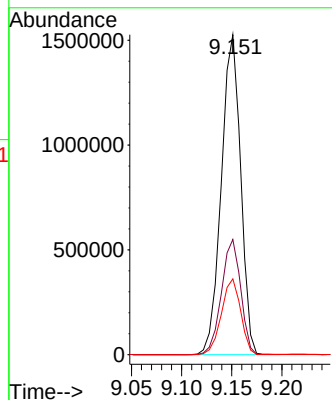
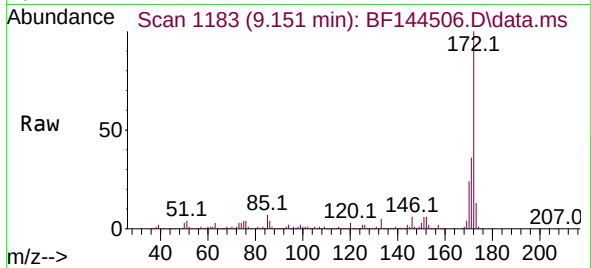
Tgt Ion:172 Resp: 2050864

Ion Ratio Lower Upper

172 100

171 36.0 28.7 43.1

170 23.7 19.3 28.9



#48

2-Nitroaniline

Concen: 4.058 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.218 min

Lab File: BF144506.D

Acq: 16 Dec 2025 20:44

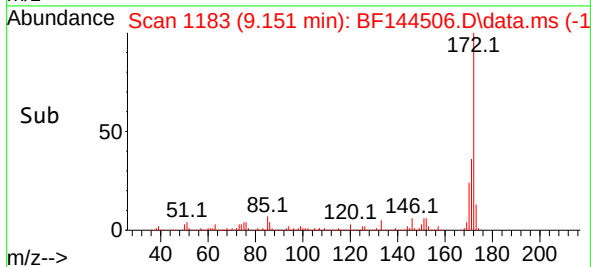
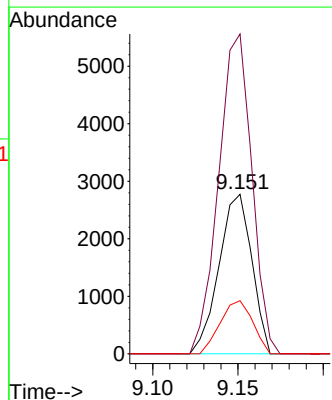
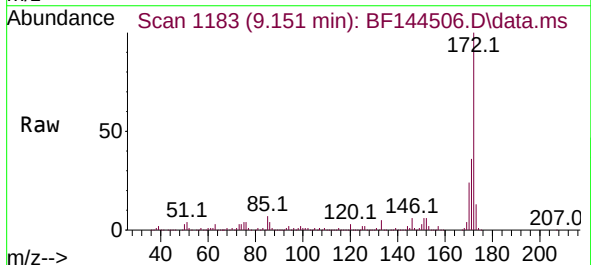
Tgt Ion: 65 Resp: 3716

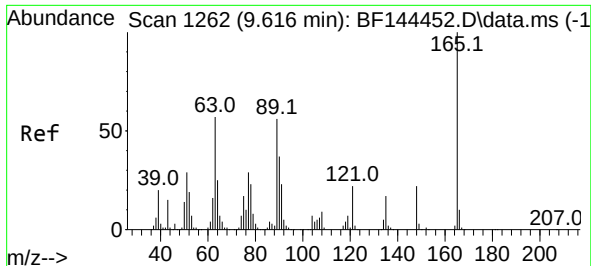
Ion Ratio Lower Upper

65 100

92 200.6 55.0 82.4#

138 33.4 83.4 125.2#

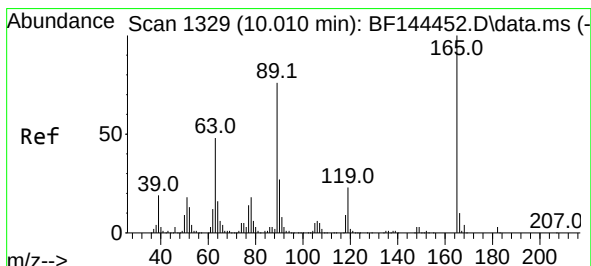
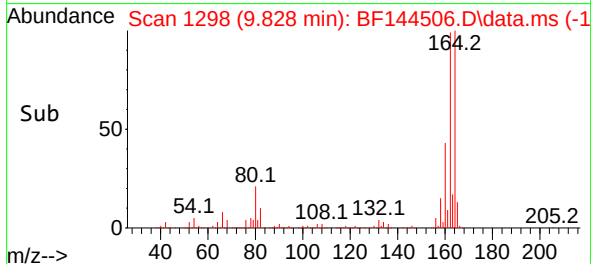
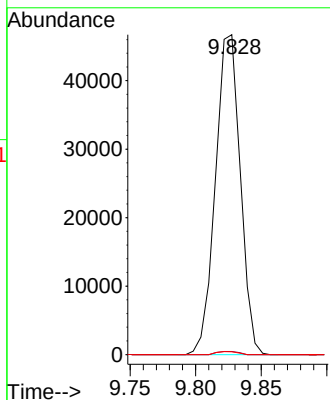
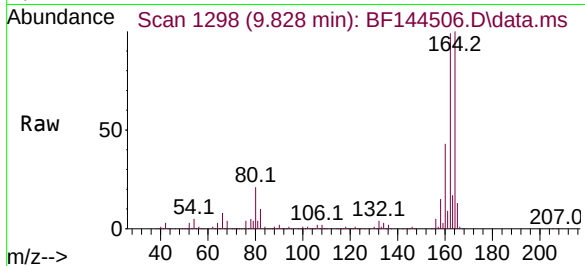




#51
2,6-Dinitrotoluene
Concen: 13.593 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.212 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

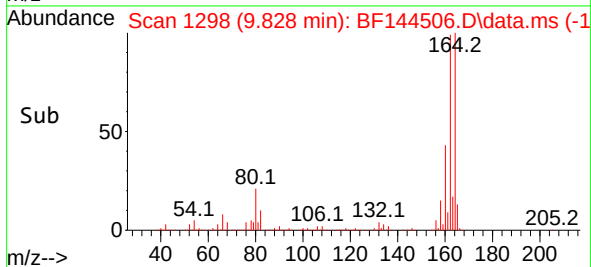
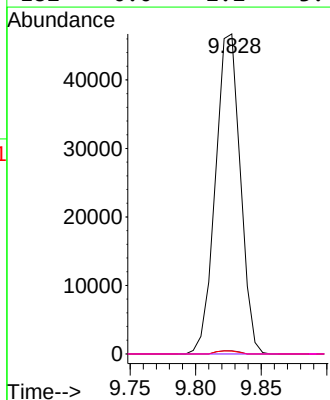
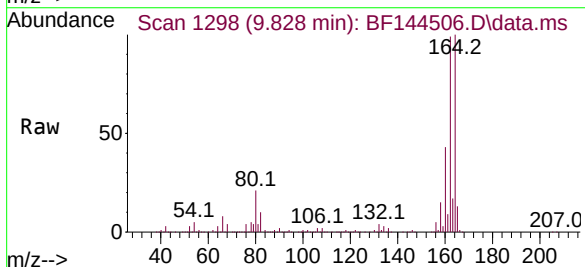
Instrument :
BNA_F
ClientSampleId :
MOO-25-0367

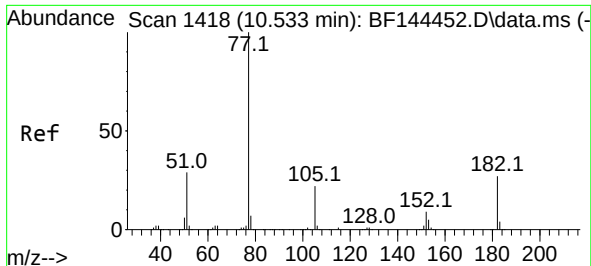
Tgt Ion:165 Resp: 61656
Ion Ratio Lower Upper
165 100
63 1.0 45.9 68.9#
89 0.9 44.6 67.0#



#57
2,4-Dinitrotoluene
Concen: 10.981 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.182 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

Tgt Ion:165 Resp: 61656
Ion Ratio Lower Upper
165 100
63 1.0 38.2 57.4#
89 0.9 61.2 91.8#
182 0.0 2.2 3.4#

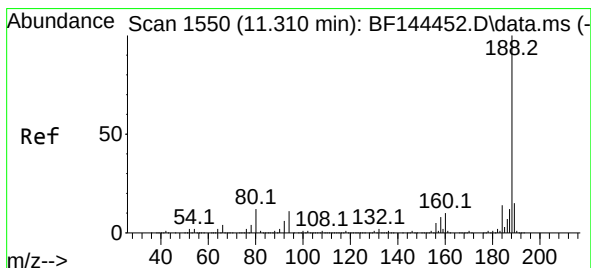
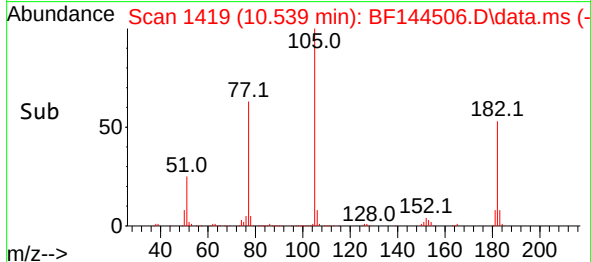
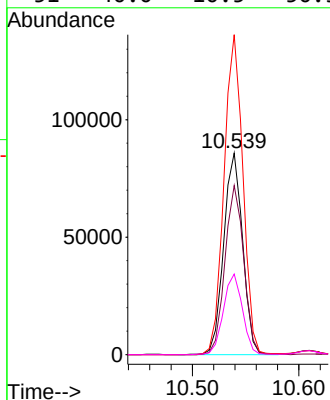
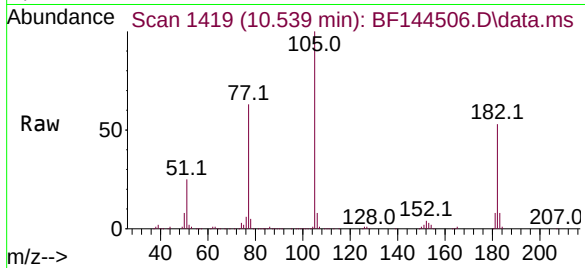




#63
Azobenzene
Concen: 3.324 ng
RT: 10.539 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

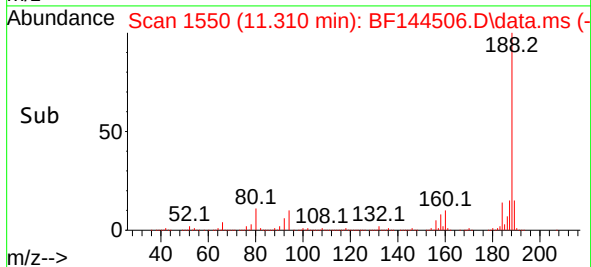
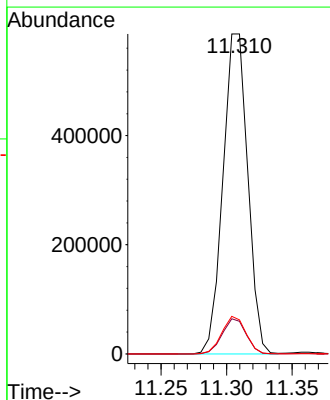
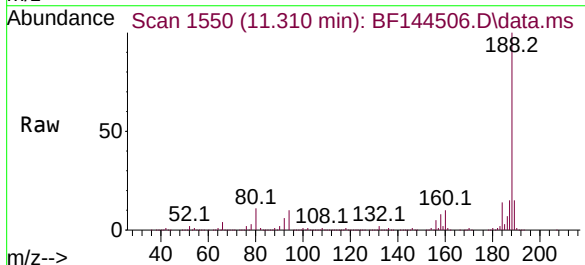
Instrument :
BNA_F
ClientSampleId :
MOO-25-0367

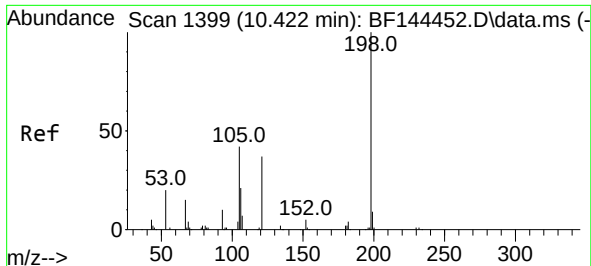
Tgt Ion: 77 Resp: 106250
Ion Ratio Lower Upper
77 100
182 83.9 6.1 46.1#
105 158.9 1.5 41.5#
51 40.0 10.5 50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

Tgt Ion: 188 Resp: 772288
Ion Ratio Lower Upper
188 100
94 10.2 9.0 13.6
80 10.6 9.8 14.8

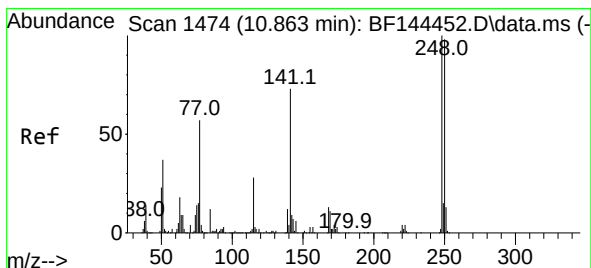
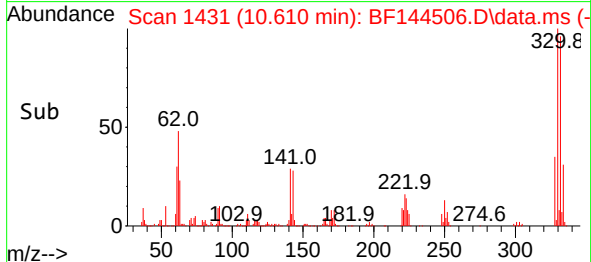
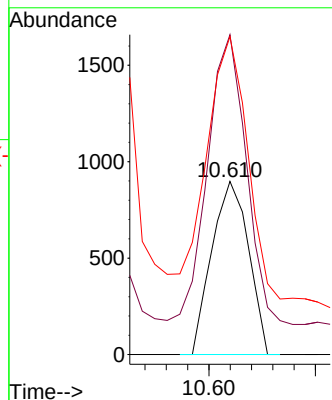
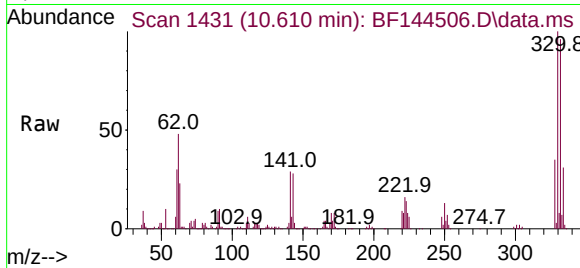




#65
4,6-Dinitro-2-methylphenol
Concen: 7.089 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.188 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

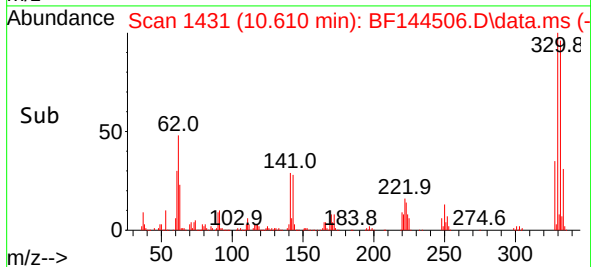
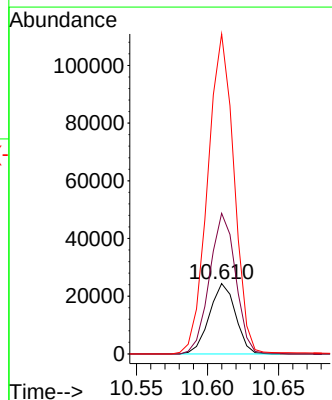
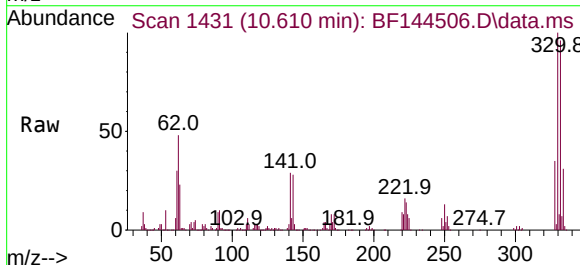
Instrument :
BNA_F
ClientSampleId :
MOO-25-0367

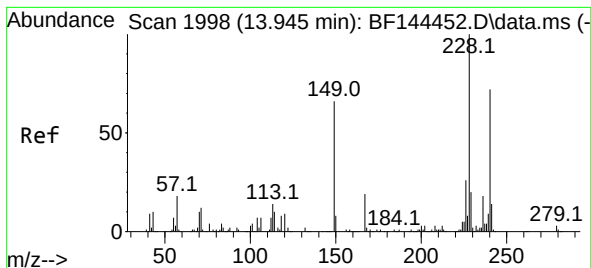
Tgt Ion:198 Resp: 1074
Ion Ratio Lower Upper
198 100
51 184.7 25.5 65.5#
105 183.6 23.4 63.4#



#67
4-Bromophenyl-phenylether
Concen: 3.459 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.253 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

Tgt Ion:248 Resp: 31188
Ion Ratio Lower Upper
248 100
250 200.1 78.2 117.4#
141 455.4 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: BF144506.D

Acq: 16 Dec 2025 20:44

Instrument :

BNA_F

ClientSampleId :

MOO-25-0367

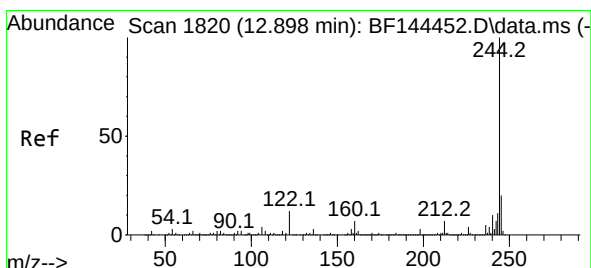
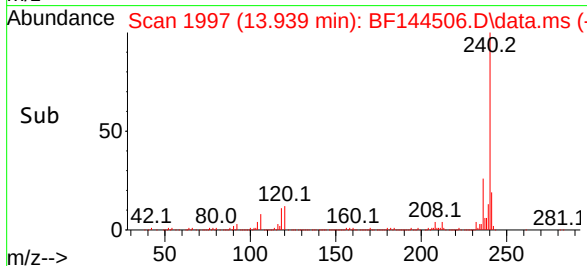
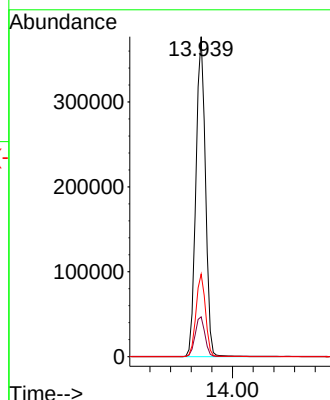
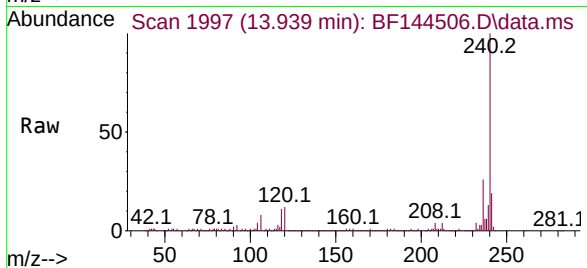
Tgt Ion:240 Resp: 481927

Ion Ratio Lower Upper

240 100

120 12.4 10.3 15.5

236 25.8 20.2 30.4



#79

Terphenyl-d14

Concen: 64.929 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.006 min

Lab File: BF144506.D

Acq: 16 Dec 2025 20:44

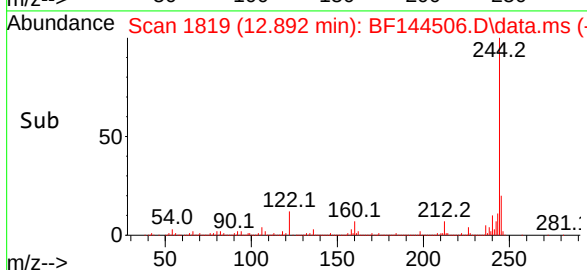
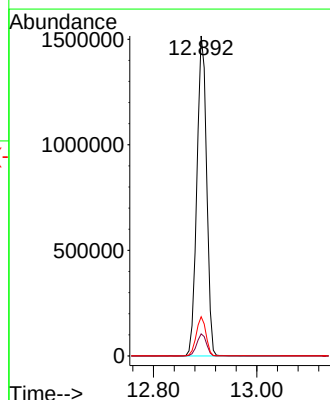
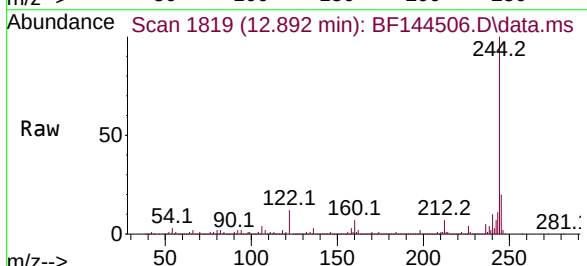
Tgt Ion:244 Resp: 1981985

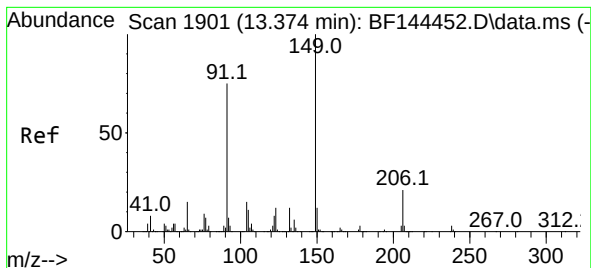
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 12.2 9.9 14.9





#80

Butylbenzylphthalate

Concen: 3.284 ng

RT: 13.363 min Scan# 1899

Delta R.T. -0.011 min

Lab File: BF144506.D

Acq: 16 Dec 2025 20:44

Instrument :

BNA_F

ClientSampleId :

MOO-25-0367

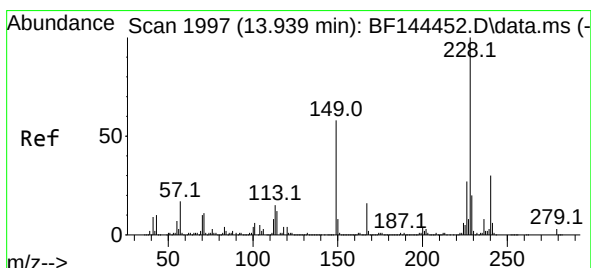
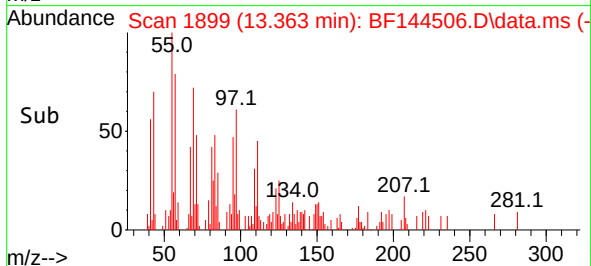
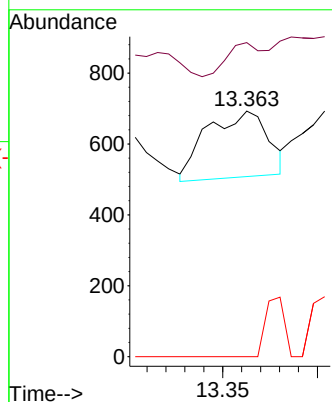
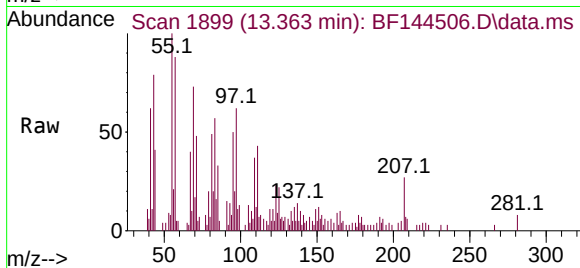
Tgt Ion:149 Resp: 418

Ion Ratio Lower Upper

149 100

91 127.8 59.8 89.8#

206 0.0 17.0 25.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.028 ng

RT: 13.933 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF144506.D

Acq: 16 Dec 2025 20:44

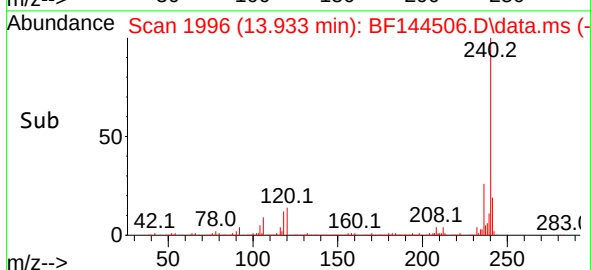
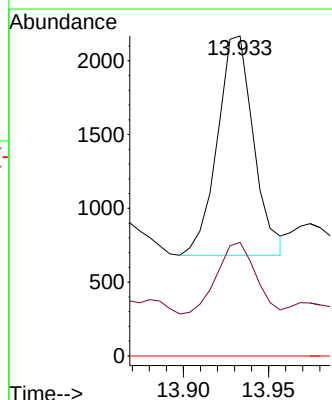
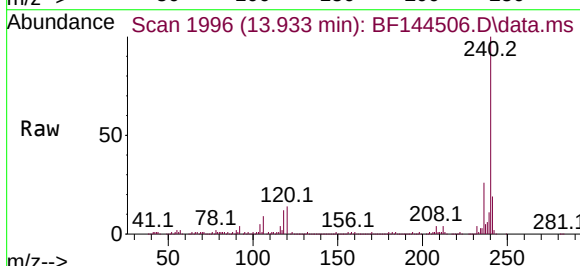
Tgt Ion:149 Resp: 2201

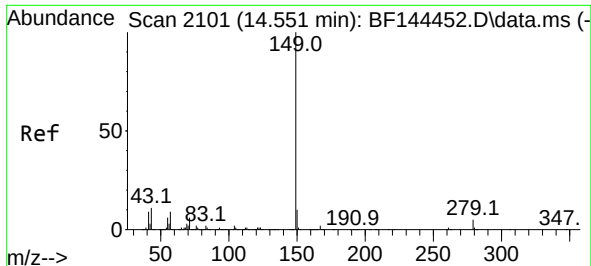
Ion Ratio Lower Upper

149 100

167 35.5 22.6 34.0#

279 0.0 3.7 5.5#

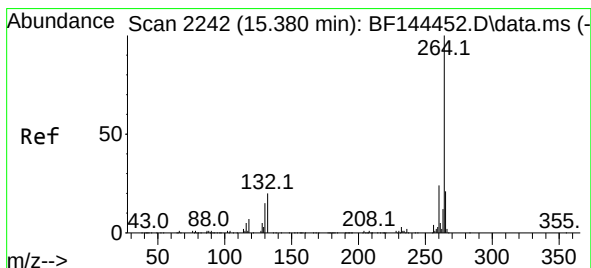
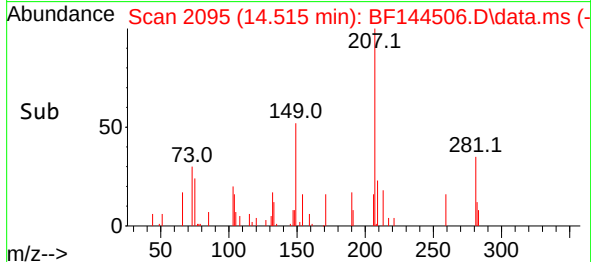
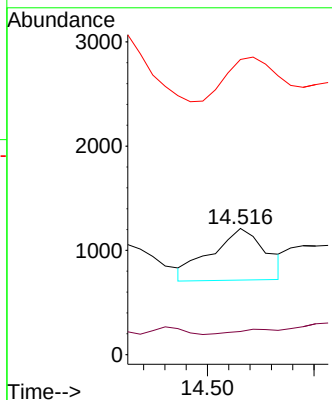
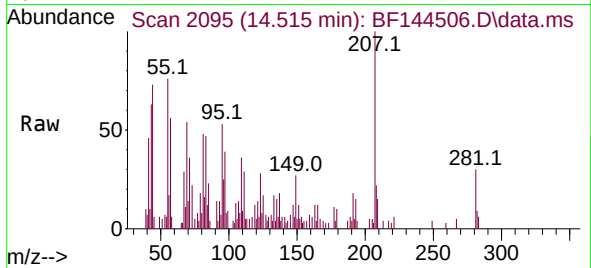




#85
Di-n-octyl phthalate
Concen: 6.531 ng
RT: 14.515 min Scan# 2095
Delta R.T. -0.036 min
Lab File: BF144506.D
Acq: 16 Dec 2025 20:44

Instrument :
BNA_F
ClientSampleId :
MOO-25-0367

Tgt Ion:149 Resp: 880
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 83.5 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: BF144506.D
Acq: 16 Dec 2025 20:44

Tgt Ion:264 Resp: 452559
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 22.0 17.1 25.7

