

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121225\
 Data File : BF144463.D
 Acq On : 12 Dec 2025 21:32
 Operator : RC/JU
 Sample : Q3839-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COB11

Quant Time: Dec 12 23:34:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 12 15:57:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

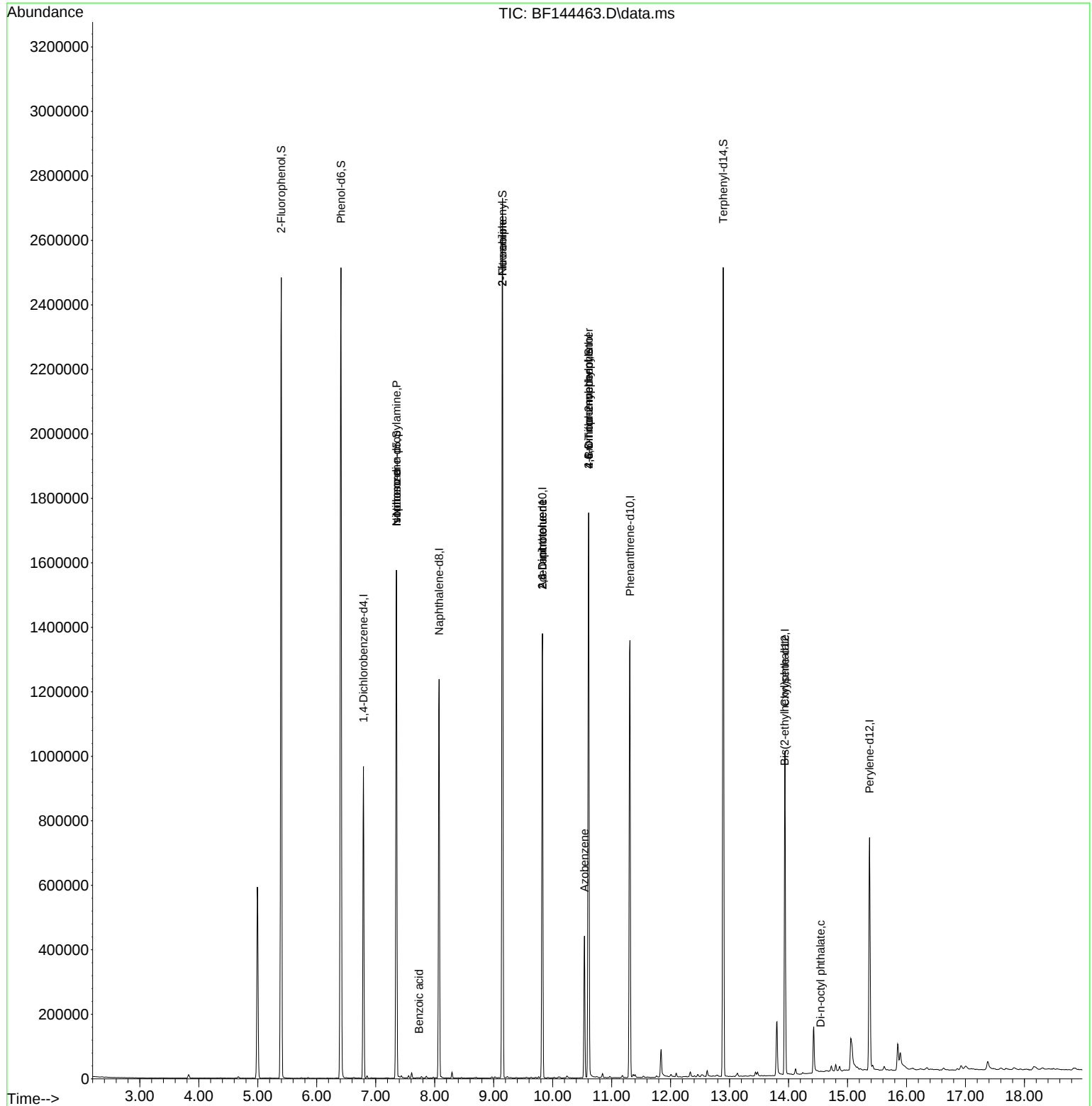
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	197649	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	771383	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	412469	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	685891	20.000	ng	0.00
76) Chrysene-d12	13.939	240	455330	20.000	ng	0.00
86) Perylene-d12	15.374	264	397808	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	940581	71.754	ng	0.00
7) Phenol-d6	6.410	99	1193702	73.008	ng	0.00
23) Nitrobenzene-d5	7.351	82	670879	54.425	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	286946	76.947	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1206157	44.860	ng	0.00
79) Terphenyl-d14	12.892	244	1153928	40.011	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	89321	8.649	ng	# 78
25) Isophorone	7.351	82	661445	23.776	ng	# 65
32) Benzoic acid	7.734	122	59	6.471	ng	# 86
48) 2-Nitroaniline	9.151	65	2053	3.902	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	52932	13.431	ng	# 24
57) 2,4-Dinitrotoluene	9.828	165	52932	10.863	ng	# 21
63) Azobenzene	10.539	77	107817	3.863	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	571	6.976	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	19167	2.394	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.933	149	1398	2.988	ng	# 84
85) Di-n-octyl phthalate	14.545	149	225	6.510	ng	# 73

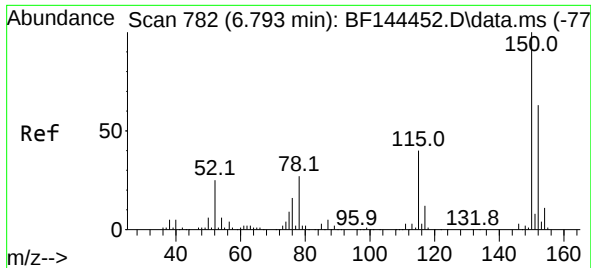
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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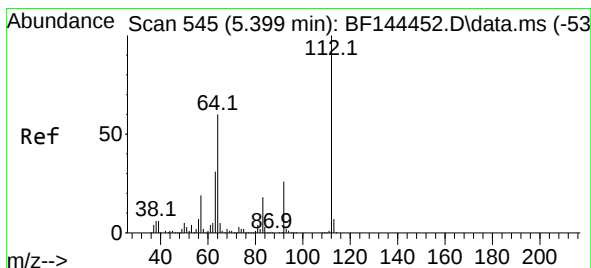
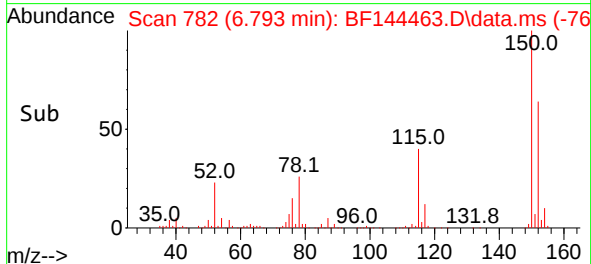
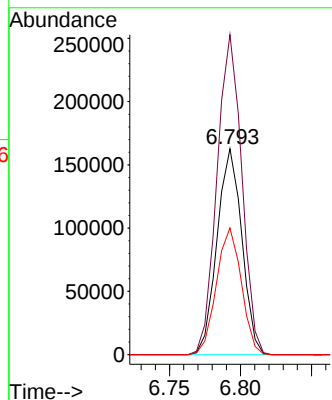
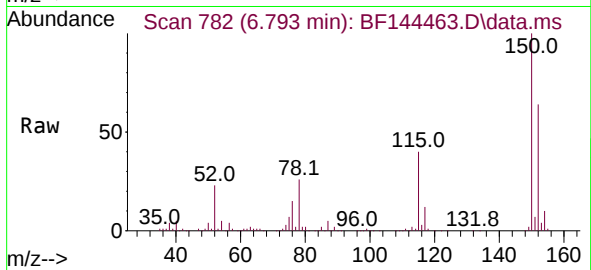




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

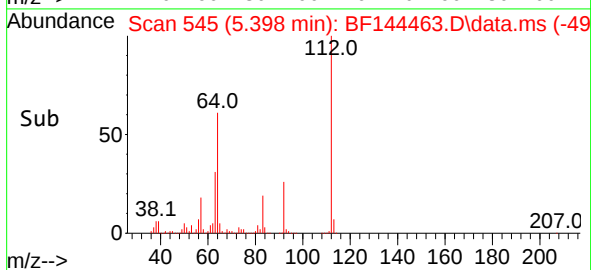
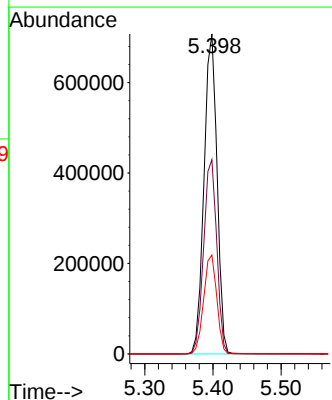
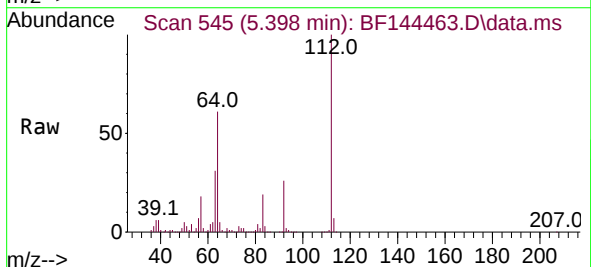
Instrument :
BNA_F
ClientSampleId :
COB11

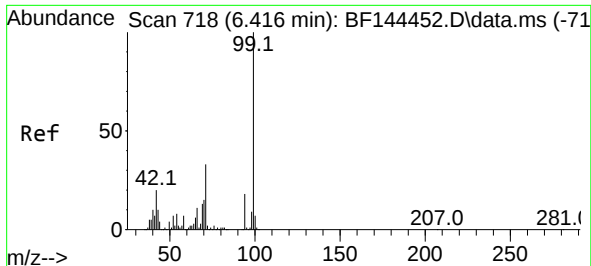
Tgt Ion:152 Resp: 197649
Ion Ratio Lower Upper
152 100
150 155.4 127.4 191.2
115 61.6 51.4 77.0



#5
2-Fluorophenol
Concen: 71.754 ng
RT: 5.398 min Scan# 545
Delta R.T. -0.000 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

Tgt Ion:112 Resp: 940581
Ion Ratio Lower Upper
112 100
64 60.7 47.8 71.6
63 30.9 24.6 37.0

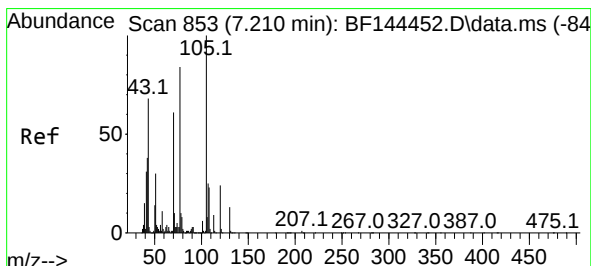
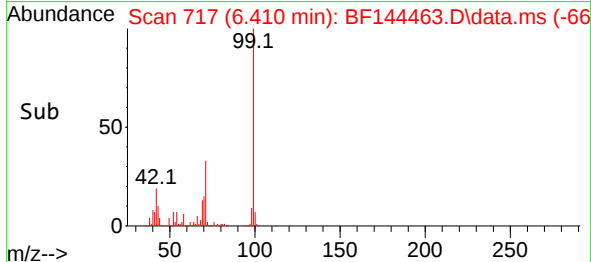
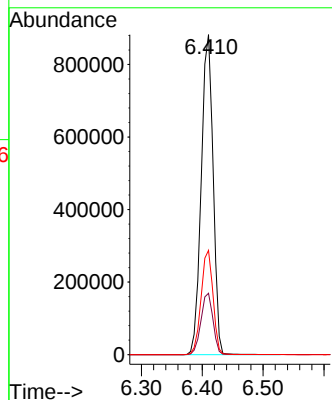
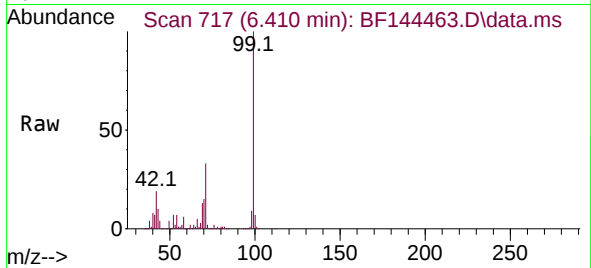




#7
Phenol-d6
Concen: 73.008 ng
RT: 6.410 min Scan# 718
Delta R.T. -0.006 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

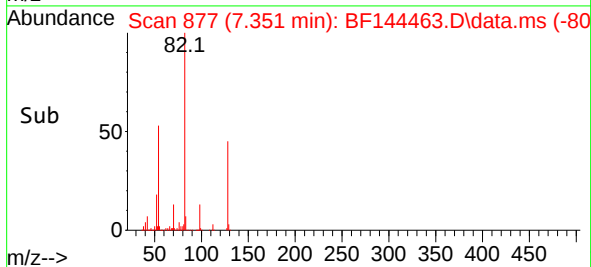
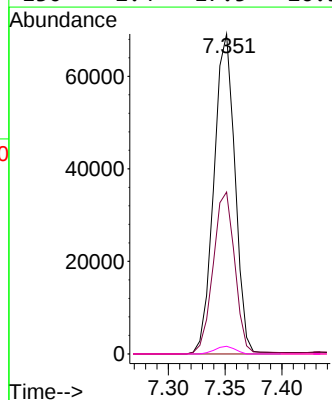
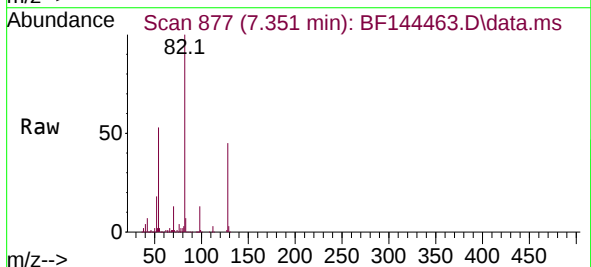
Instrument :
BNA_F
ClientSampleId :
COB11

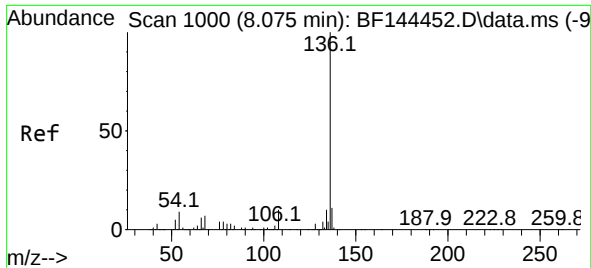
Tgt Ion: 99 Resp: 1193702
Ion Ratio Lower Upper
99 100
42 19.2 15.7 23.5
71 32.6 26.4 39.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.649 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

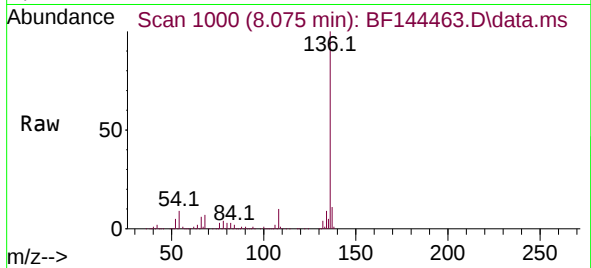
Tgt Ion: 70 Resp: 89321
Ion Ratio Lower Upper
70 100
42 50.6 49.4 74.0
101 0.0 7.8 11.6#
130 2.4 17.5 26.3#





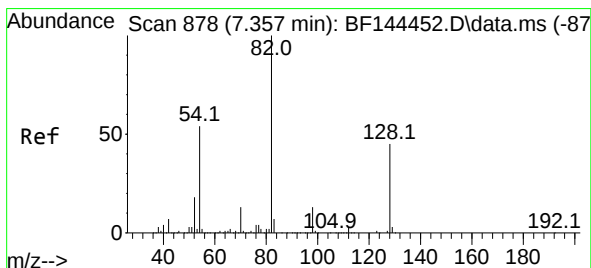
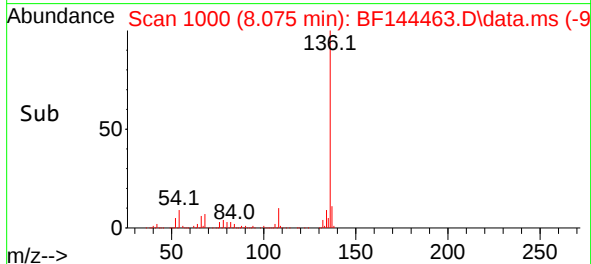
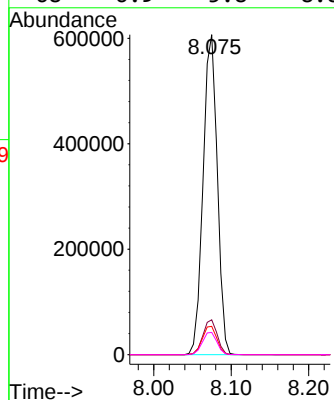
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

Instrument :
BNA_F
ClientSampleId :
COB11



Tgt Ion:136 Resp: 771383

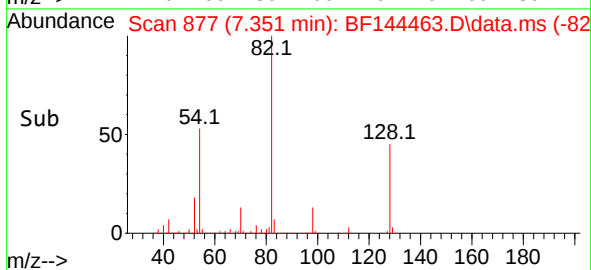
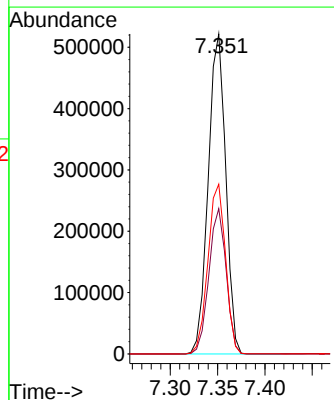
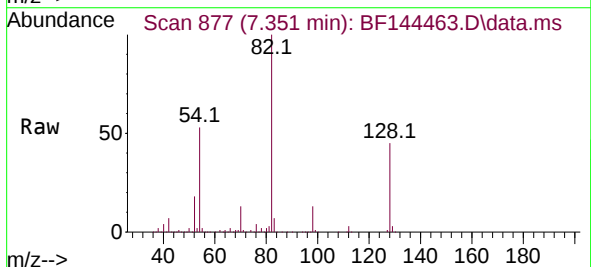
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.8	7.5	11.3
68	6.9	5.8	8.8

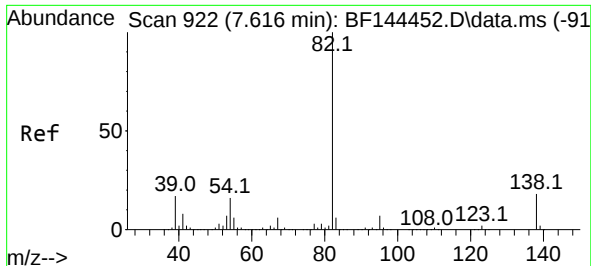


#23
Nitrobenzene-d5
Concen: 54.425 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

Tgt Ion: 82 Resp: 670879

Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.5	53.3
54	53.0	43.3	64.9

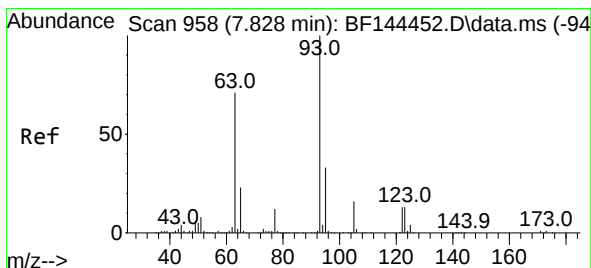
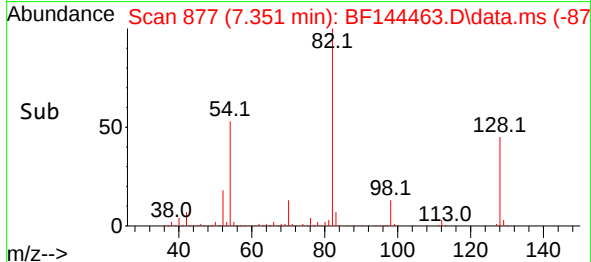
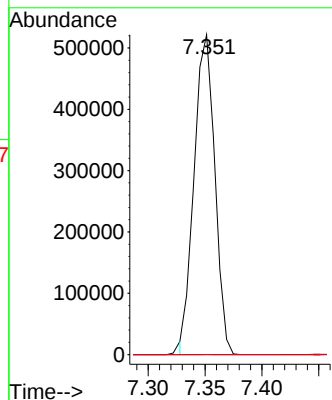
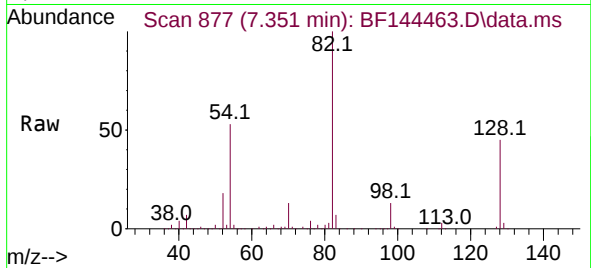




#25
Isophorone
Concen: 23.776 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

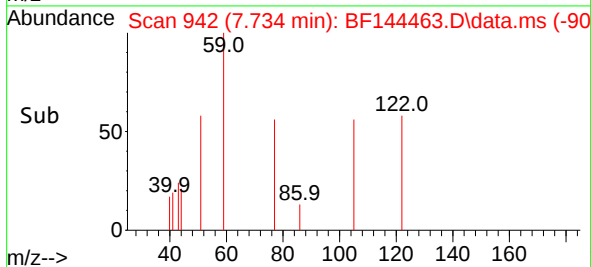
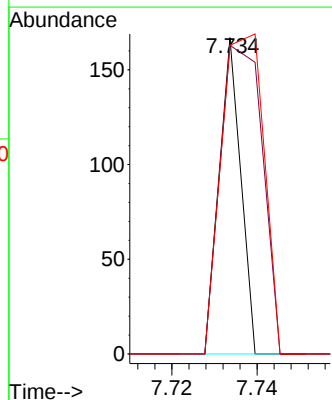
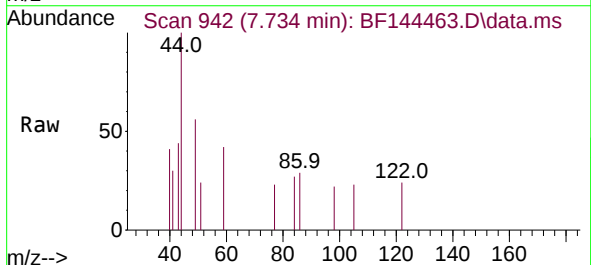
Instrument :
BNA_F
ClientSampleId :
COB11

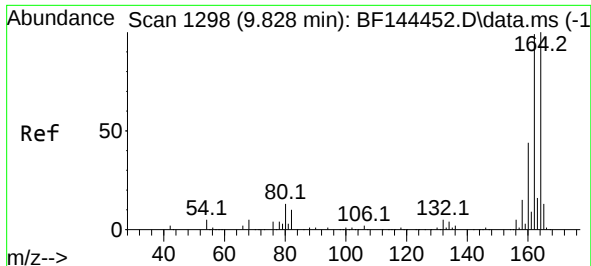
Tgt Ion: 82 Resp: 661445
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.4 21.6#



#32
Benzoic acid
Concen: 6.471 ng
RT: 7.734 min Scan# 942
Delta R.T. -0.094 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

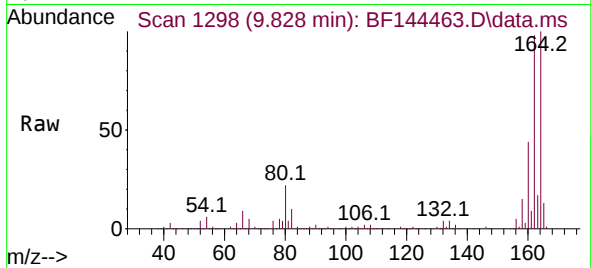
Tgt Ion: 122 Resp: 59
Ion Ratio Lower Upper
122 100
105 97.6 103.2 143.2#
77 97.6 75.1 115.1



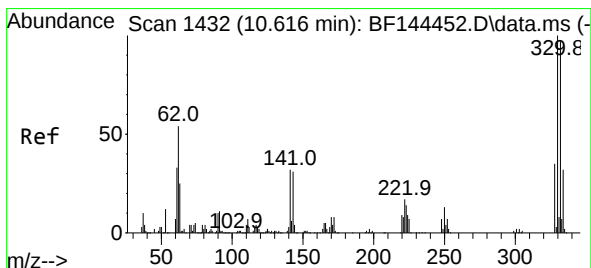
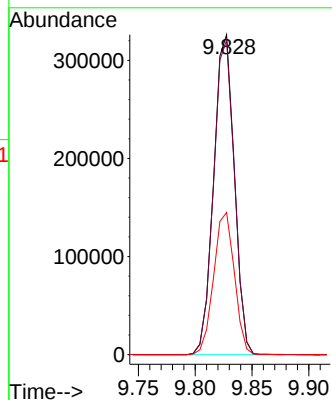
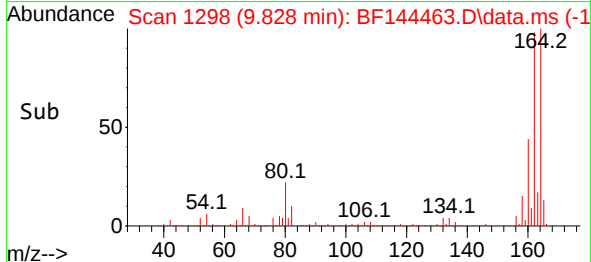


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

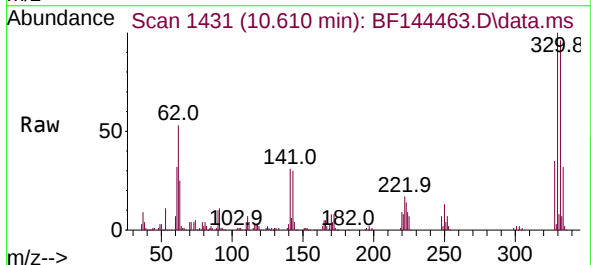
Instrument :
BNA_F
ClientSampleId :
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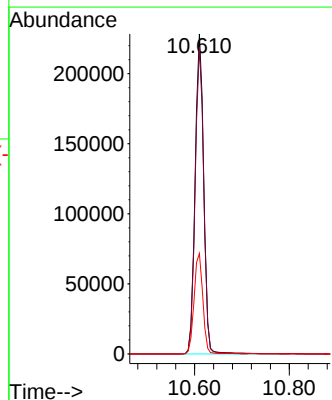
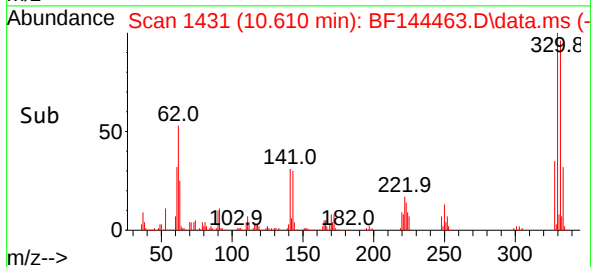
Tgt Ion:164 Resp: 412469
Ion Ratio Lower Upper
164 100
162 98.3 79.2 118.8
160 44.4 35.3 52.9

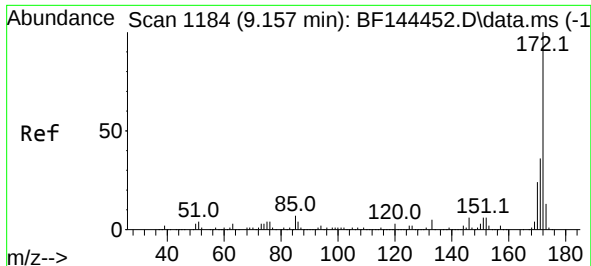


#42
2,4,6-Tribromophenol
Concen: 76.947 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32



Tgt Ion:330 Resp: 286946
Ion Ratio Lower Upper
330 100
332 96.0 77.5 116.3
141 32.1 26.2 39.2





#45

2-Fluorobiphenyl

Concen: 44.860 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF144463.D

Acq: 12 Dec 2025 21:32

Instrument :

BNA_F

ClientSampleId :

C0B11

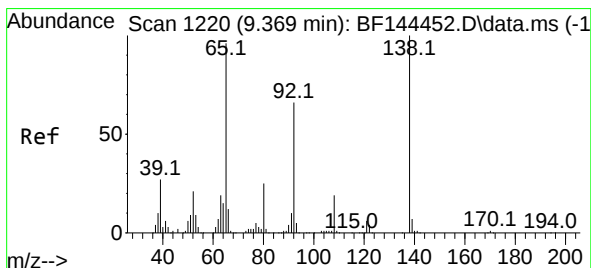
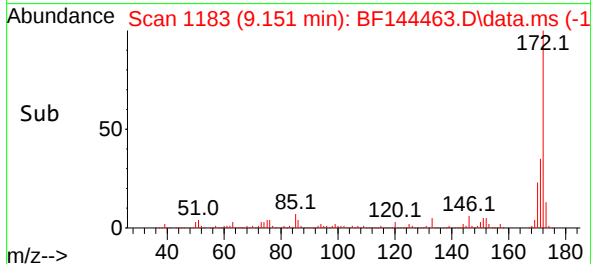
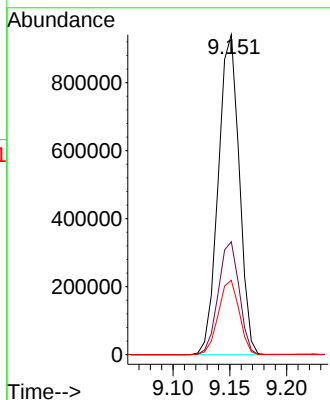
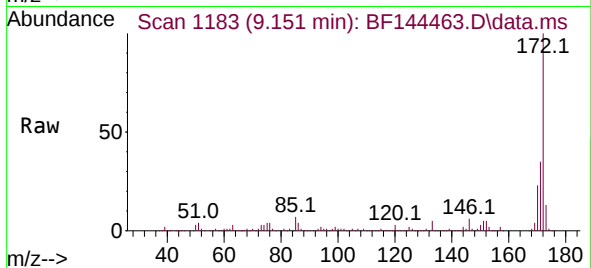
Tgt Ion:172 Resp: 1206157

Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

170 23.2 19.3 28.9



#48

2-Nitroaniline

Concen: 3.902 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.218 min

Lab File: BF144463.D

Acq: 12 Dec 2025 21:32

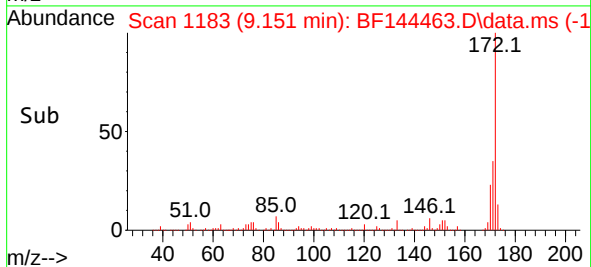
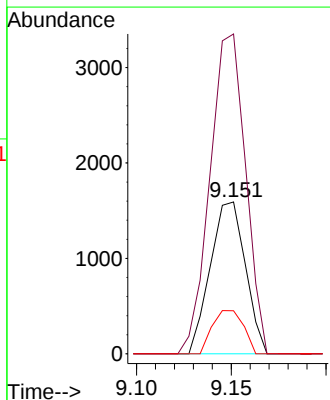
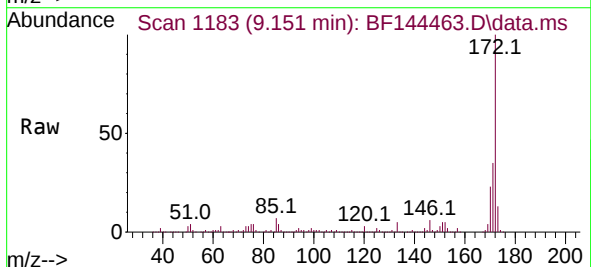
Tgt Ion: 65 Resp: 2053

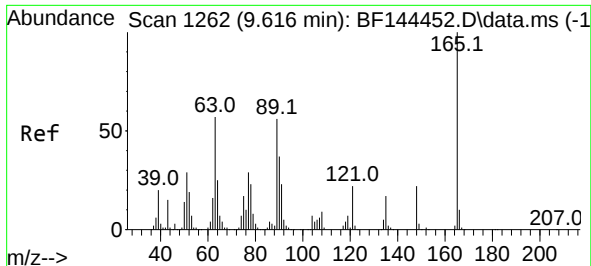
Ion Ratio Lower Upper

65 100

92 210.7 55.0 82.4#

138 28.4 83.4 125.2#





#51

2,6-Dinitrotoluene

Concen: 13.431 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.212 min

Lab File: BF144463.D

Acq: 12 Dec 2025 21:32

Instrument :

BNA_F

ClientSampleId :

C0B11

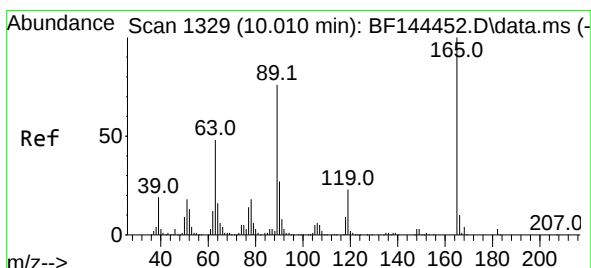
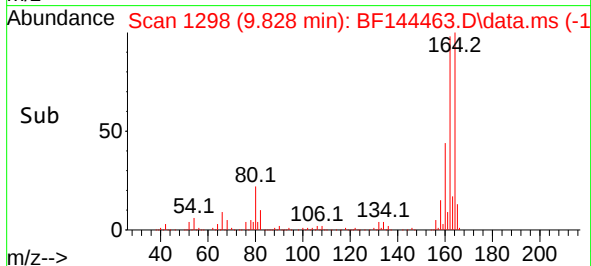
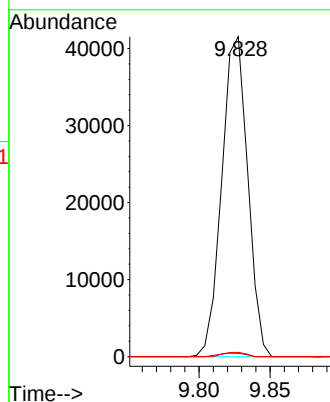
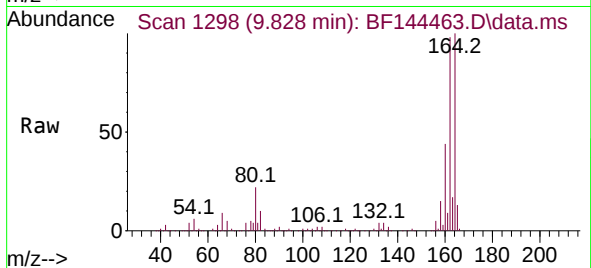
Tgt Ion:165 Resp: 52932

Ion Ratio Lower Upper

165 100

63 1.0 45.9 68.9#

89 1.3 44.6 67.0#



#57

2,4-Dinitrotoluene

Concen: 10.863 ng

RT: 9.828 min Scan# 1298

Delta R.T. -0.182 min

Lab File: BF144463.D

Acq: 12 Dec 2025 21:32

Tgt Ion:165 Resp: 52932

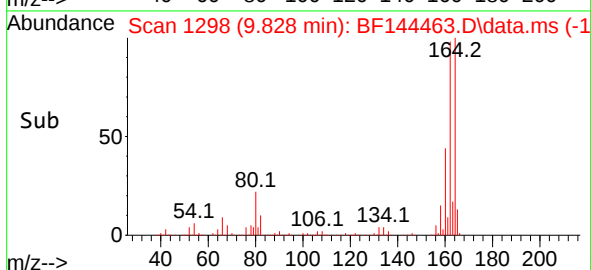
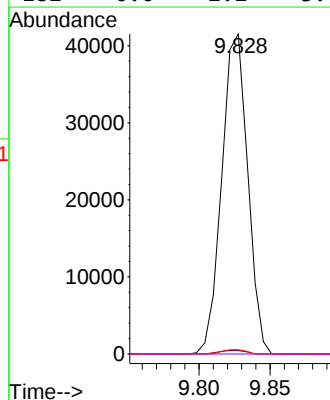
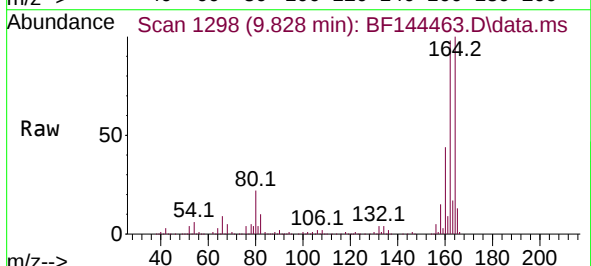
Ion Ratio Lower Upper

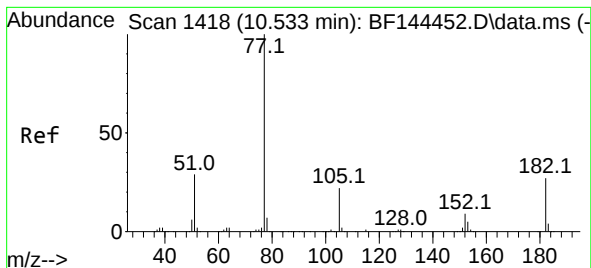
165 100

63 1.0 38.2 57.4#

89 1.3 61.2 91.8#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.863 ng

RT: 10.539 min Scan# 1418

Delta R.T. 0.006 min

Lab File: BF144463.D

Acq: 12 Dec 2025 21:32

Instrument :

BNA_F

ClientSampleId :

COB11

Tgt Ion: 77 Resp: 107817

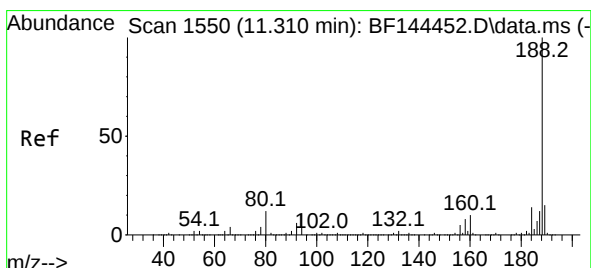
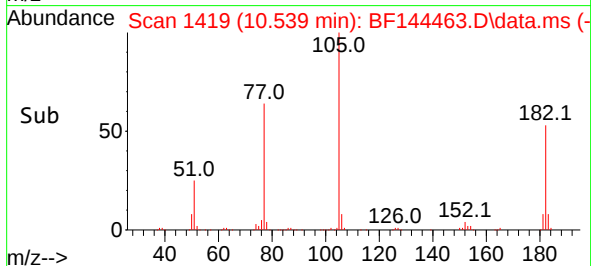
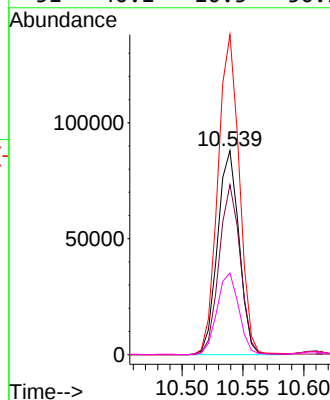
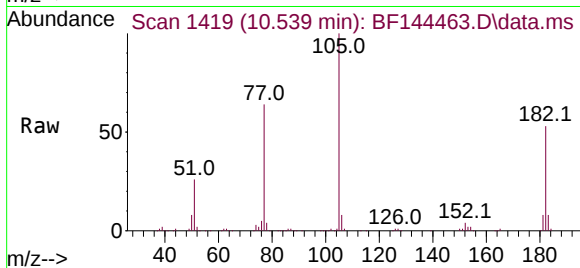
Ion Ratio Lower Upper

77 100

182 83.3 6.1 46.1#

105 157.0 1.5 41.5#

51 40.1 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: BF144463.D

Acq: 12 Dec 2025 21:32

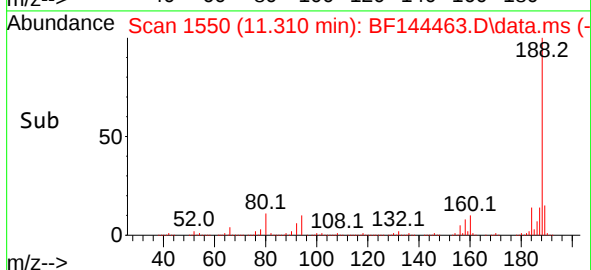
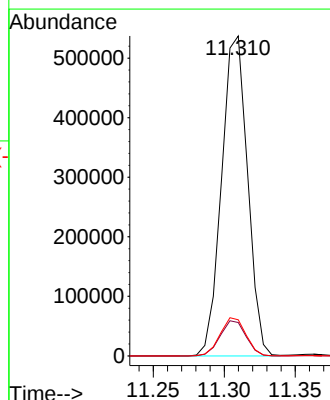
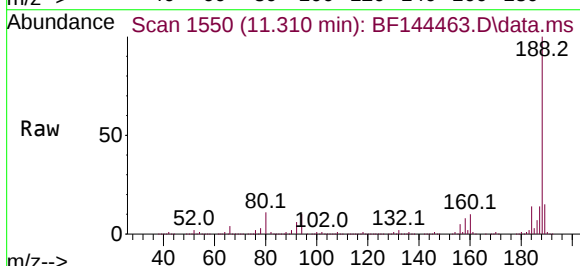
Tgt Ion:188 Resp: 685891

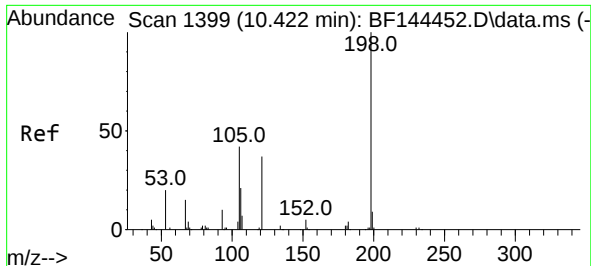
Ion Ratio Lower Upper

188 100

94 10.4 9.0 13.6

80 11.3 9.8 14.8





#65

4,6-Dinitro-2-methylphenol

Concen: 6.976 ng

RT: 10.610 min Scan# 1431

Delta R.T. 0.188 min

Lab File: BF144463.D

Acq: 12 Dec 2025 21:32

Instrument :

BNA_F

ClientSampleId :

COB11

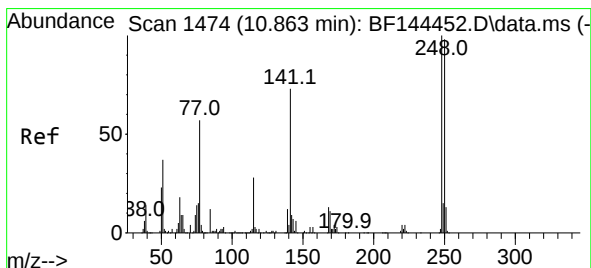
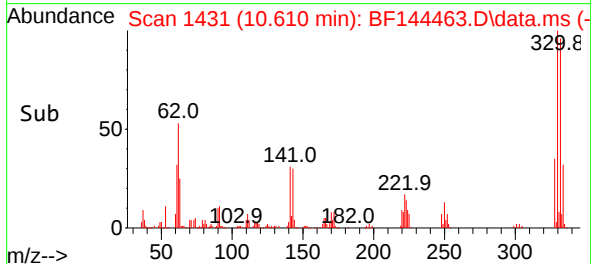
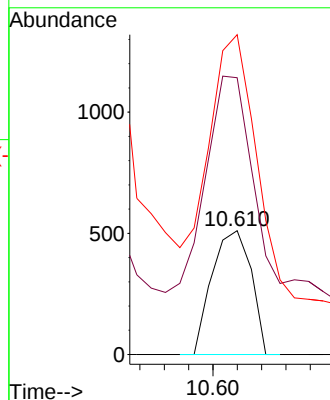
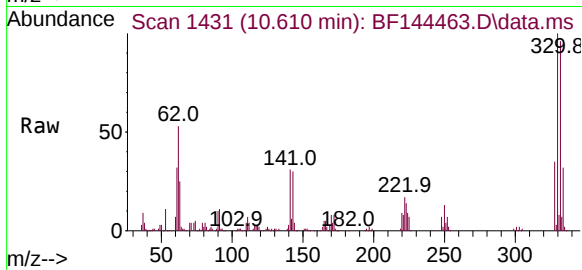
Tgt Ion:198 Resp: 571

Ion Ratio Lower Upper

198 100

51 223.5 25.5 65.5#

105 258.3 23.4 63.4#



#67

4-Bromophenyl-phenylether

Concen: 2.394 ng

RT: 10.610 min Scan# 1431

Delta R.T. -0.253 min

Lab File: BF144463.D

Acq: 12 Dec 2025 21:32

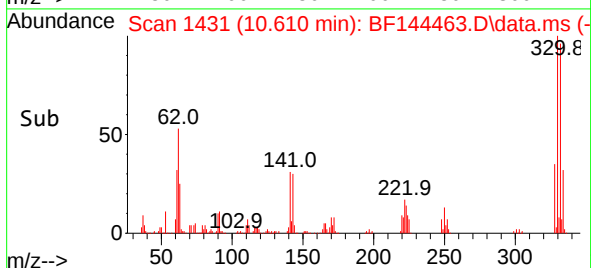
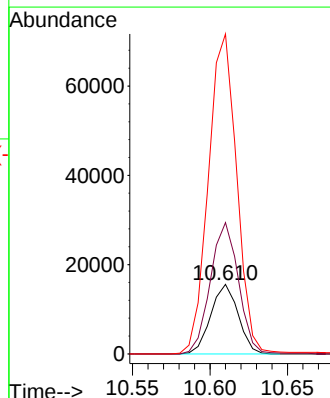
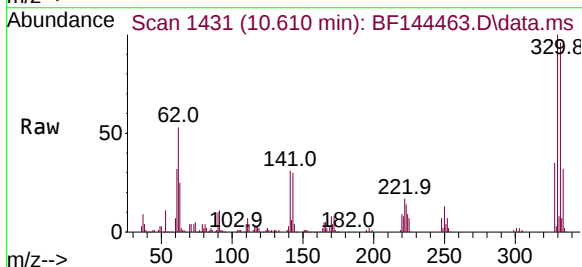
Tgt Ion:248 Resp: 19167

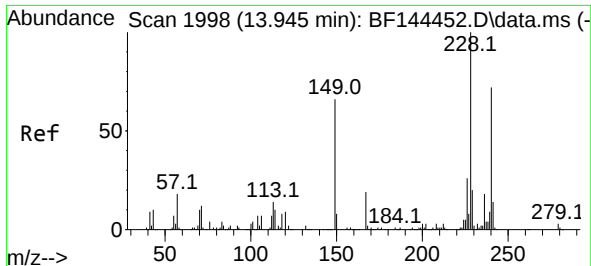
Ion Ratio Lower Upper

248 100

250 189.0 78.2 117.4#

141 460.6 58.5 87.7#

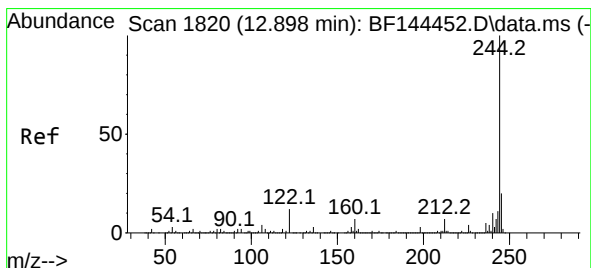
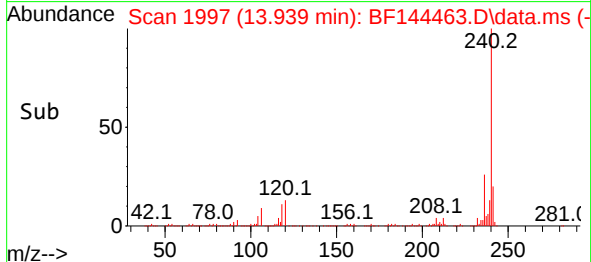
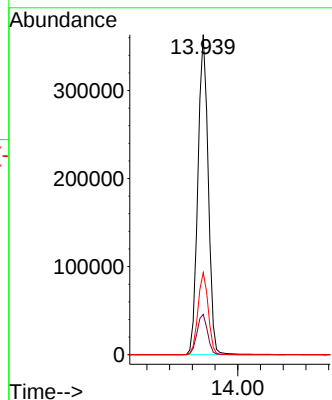
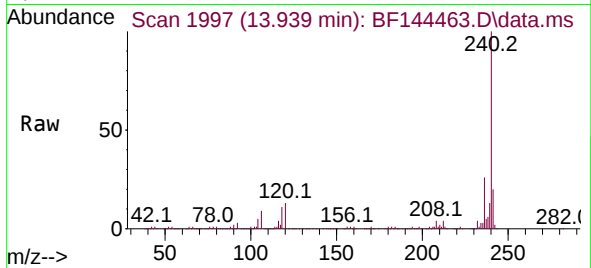




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

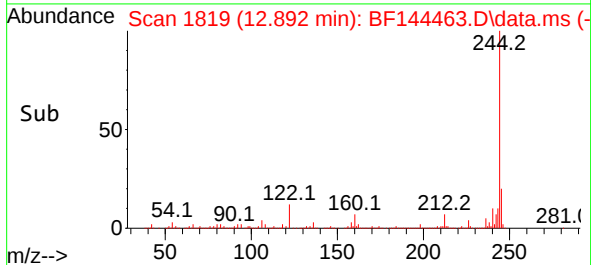
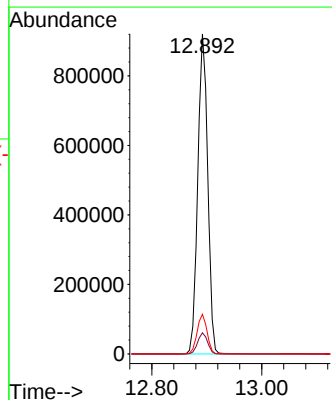
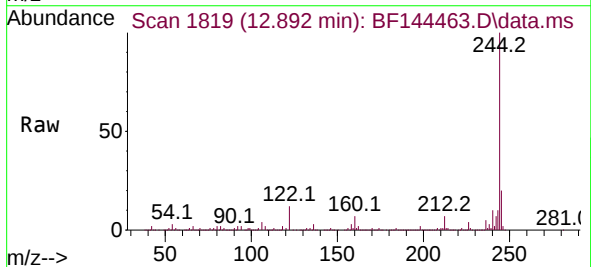
Instrument :
BNA_F
ClientSampleId :
COB11

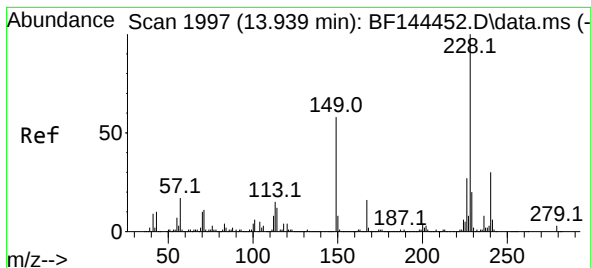
Tgt Ion:240 Resp: 455330
Ion Ratio Lower Upper
240 100
120 12.6 10.3 15.5
236 25.6 20.2 30.4



#79
Terphenyl-d14
Concen: 40.011 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

Tgt Ion:244 Resp: 1153928
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 12.4 9.9 14.9

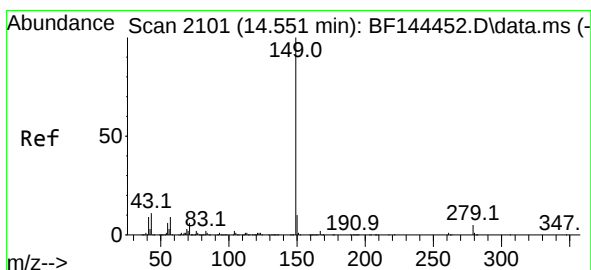
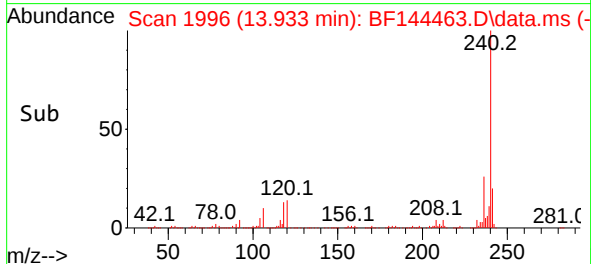
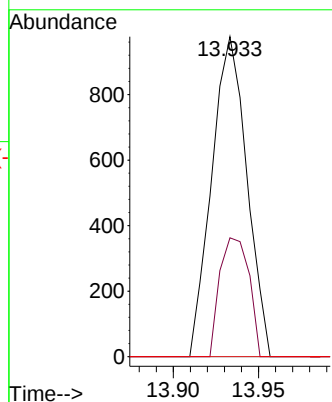
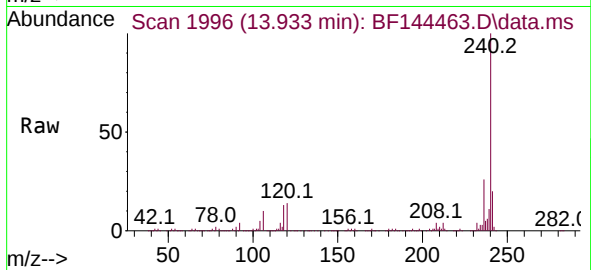




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.988 ng
RT: 13.933 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

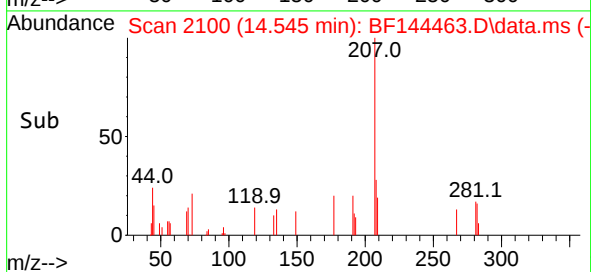
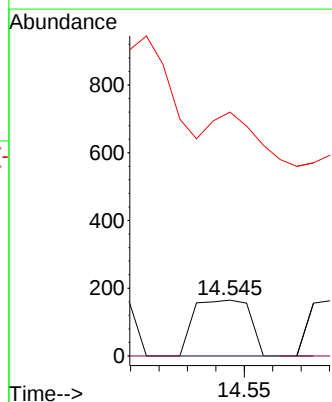
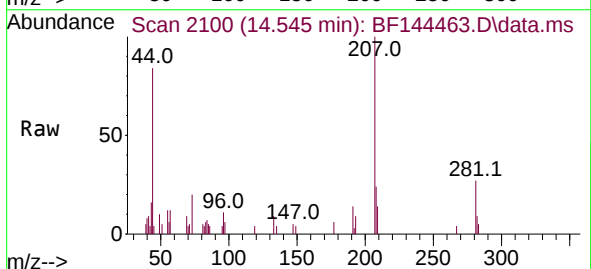
Instrument :
BNA_F
ClientSampleId :
COB11

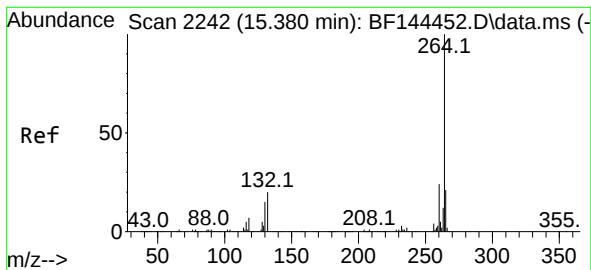
Tgt Ion:149 Resp: 1398
Ion Ratio Lower Upper
149 100
167 37.2 22.6 34.0#
279 0.0 3.7 5.5#



#85
Di-n-octyl phthalate
Concen: 6.510 ng
RT: 14.545 min Scan# 2100
Delta R.T. -0.006 min
Lab File: BF144463.D
Acq: 12 Dec 2025 21:32

Tgt Ion:149 Resp: 225
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 9.2 13.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144463.D

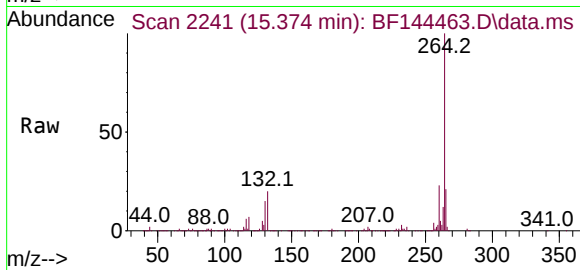
Acq: 12 Dec 2025 21:32

Instrument :

BNA_F

ClientSampleId :

C0B11



Tgt Ion:264 Resp: 397808

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 21.0 17.1 25.7

