

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121225\
 Data File : BF144458.D
 Acq On : 12 Dec 2025 19:03
 Operator : RC/JU
 Sample : Q3839-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0AN4

Quant Time: Dec 12 23:33:01 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)

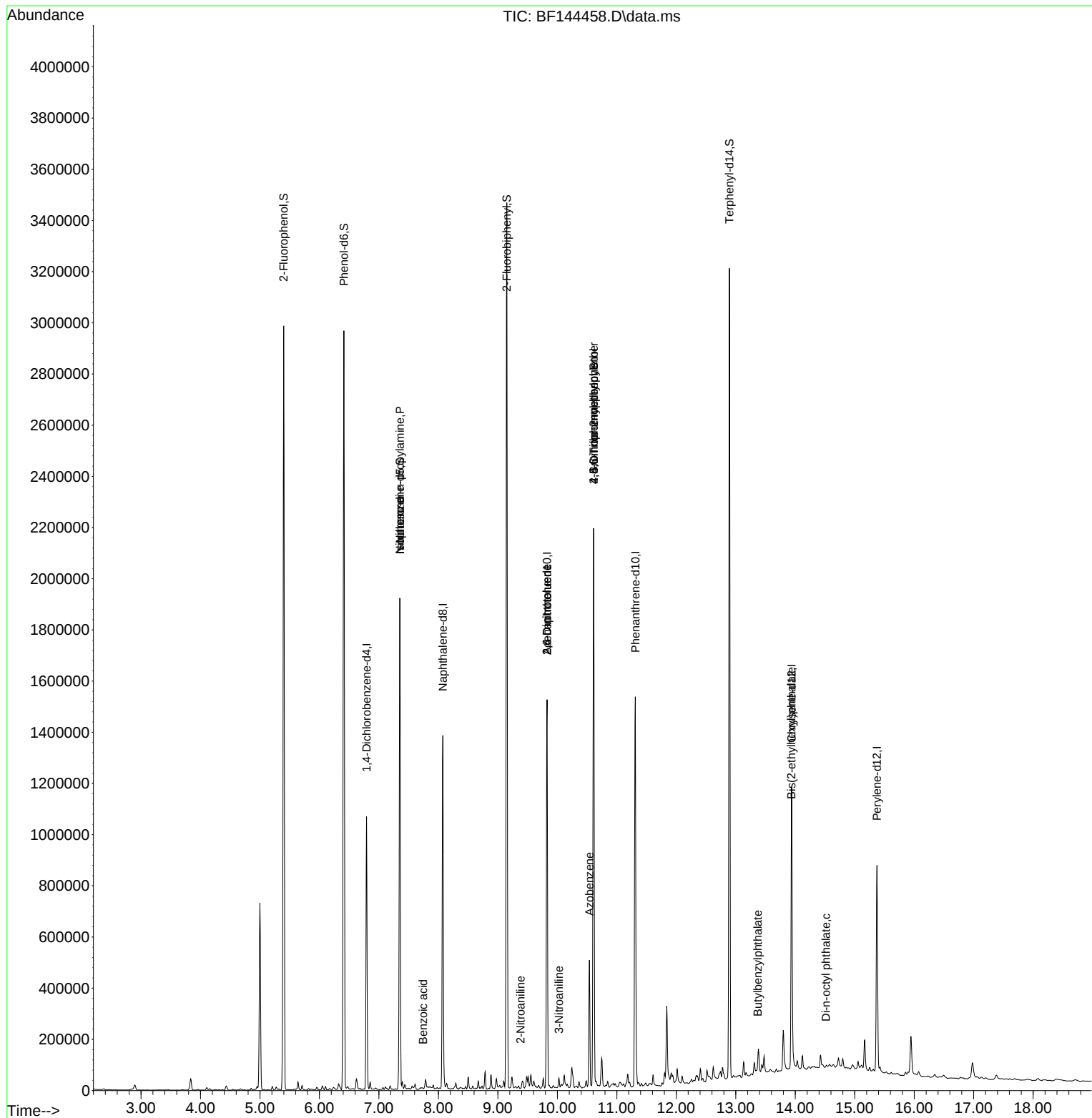
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	214898	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	837741	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	453322	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	763657	20.000	ng	0.00
76) Chrysene-d12	13.939	240	505911	20.000	ng	0.00
86) Perylene-d12	15.374	264	445129	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	1119678	78.561	ng	0.00
7) Phenol-d6	6.410	99	1416048	79.655	ng	0.00
23) Nitrobenzene-d5	7.351	82	821365	61.355	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	360825	88.039	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1506319	50.975	ng	0.00
79) Terphenyl-d14	12.892	244	1467249	45.788	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	109510	9.752	ng	# 79
25) Isophorone	7.351	82	811057	26.845	ng	# 65
32) Benzoic acid	7.739	122	969	6.566	ng	# 74
48) 2-Nitroaniline	9.380	65	167	3.653	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	61822	14.029	ng	# 24
53) 3-Nitroaniline	10.028	138	60	3.014	ng	# 1
57) 2,4-Dinitrotoluene	9.828	165	61822	11.300	ng	# 21
63) Azobenzene	10.539	77	119857	3.908	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	862	7.036	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	22994	2.579	ng	# 1
80) Butylbenzylphthalate	13.368	149	566	3.292	ng	# 36
84) Bis(2-ethylhexyl)phtha...	13.933	149	3192	3.074	ng	# 87
85) Di-n-octyl phthalate	14.515	149	649	6.523	ng	# 1

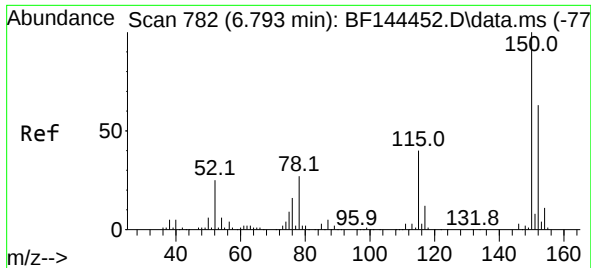
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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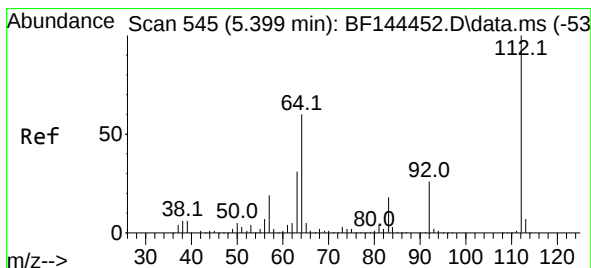
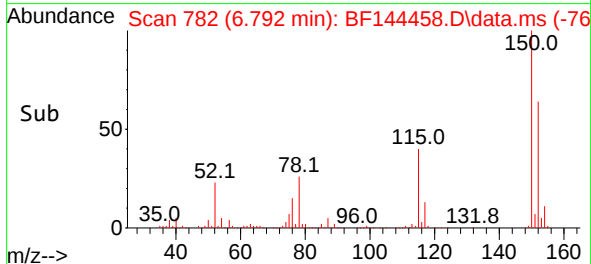
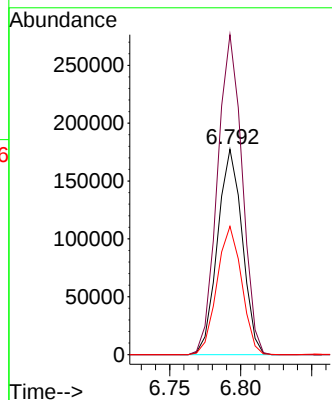
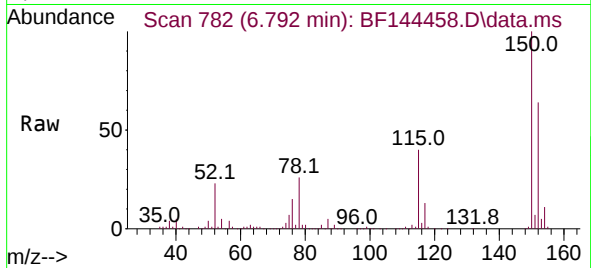




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 782
 Delta R.T. -0.001 min
 Lab File: BF144458.D
 Acq: 12 Dec 2025 19:03

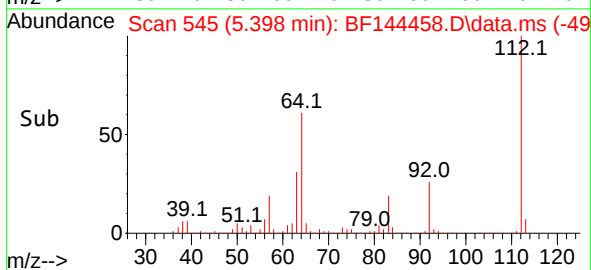
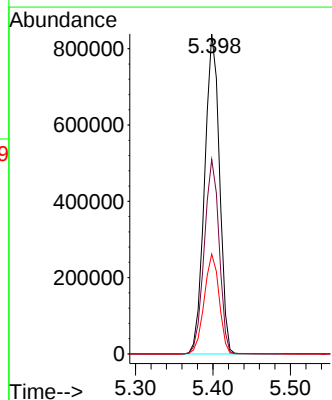
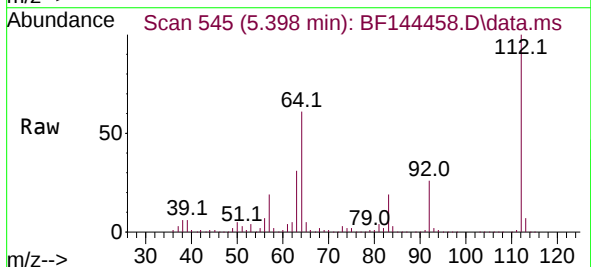
Instrument :
 BNA_F
 ClientSampleId :
 COAN4

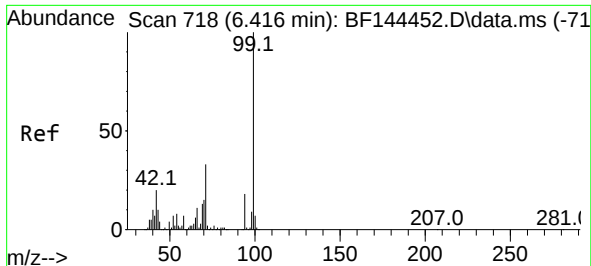
Tgt Ion:152 Resp: 214898
 Ion Ratio Lower Upper
 152 100
 150 155.8 127.4 191.2
 115 62.4 51.4 77.0



#5
 2-Fluorophenol
 Concen: 78.561 ng
 RT: 5.398 min Scan# 545
 Delta R.T. -0.000 min
 Lab File: BF144458.D
 Acq: 12 Dec 2025 19:03

Tgt Ion:112 Resp: 1119678
 Ion Ratio Lower Upper
 112 100
 64 60.8 47.8 71.6
 63 31.2 24.6 37.0

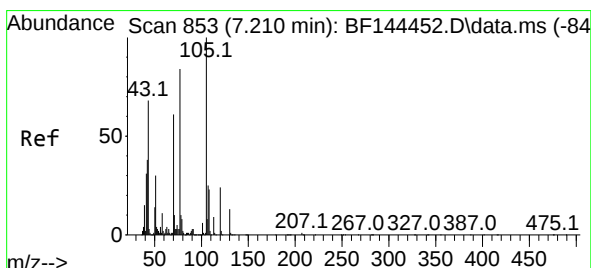
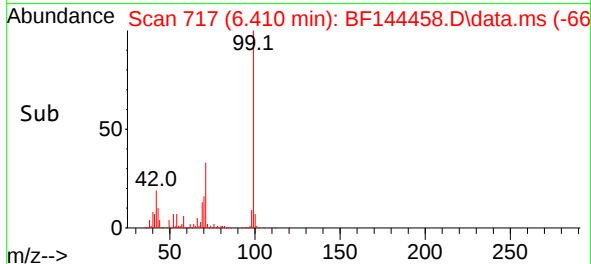
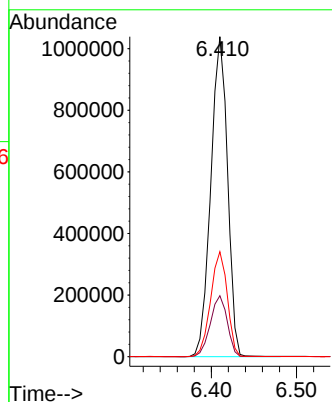
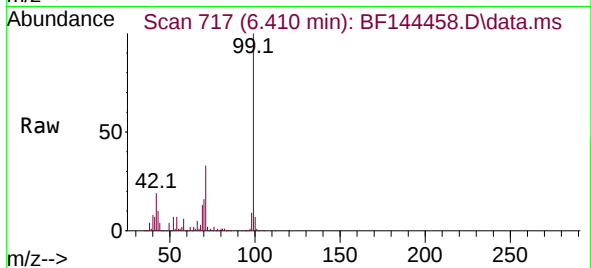




#7
Phenol-d6
Concen: 79.655 ng
RT: 6.410 min Scan# 718
Delta R.T. -0.006 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

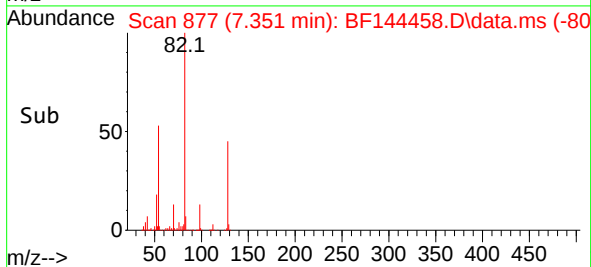
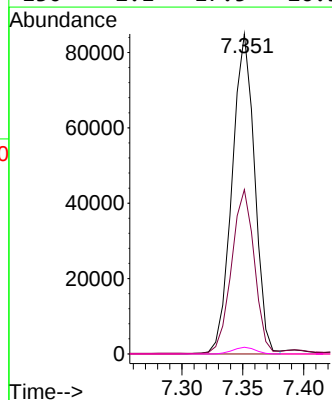
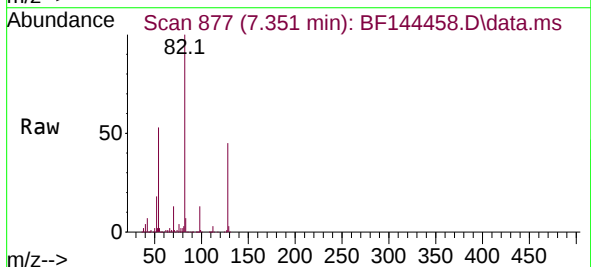
Instrument :
BNA_F
ClientSampleId :
COAN4

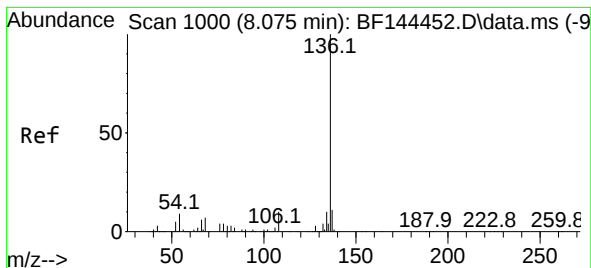
Tgt Ion: 99 Resp: 1416048
Ion Ratio Lower Upper
99 100
42 19.0 15.7 23.5
71 32.8 26.4 39.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.752 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

Tgt Ion: 70 Resp: 109510
Ion Ratio Lower Upper
70 100
42 51.3 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: BF144458.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA_F

ClientSampleId :

COAN4

Tgt Ion:136 Resp: 837741

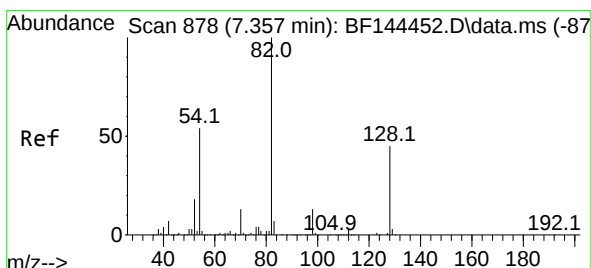
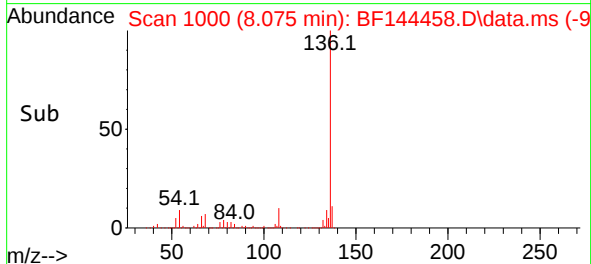
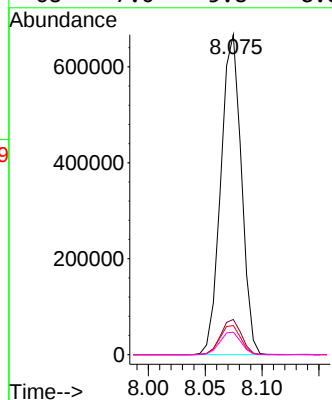
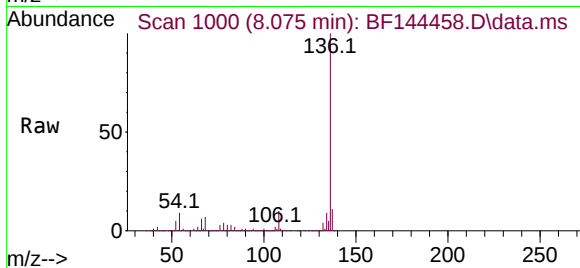
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.1 7.5 11.3

68 7.0 5.8 8.8



#23

Nitrobenzene-d5

Concen: 61.355 ng

RT: 7.351 min Scan# 877

Delta R.T. -0.006 min

Lab File: BF144458.D

Acq: 12 Dec 2025 19:03

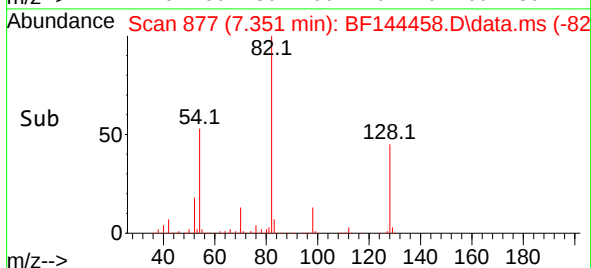
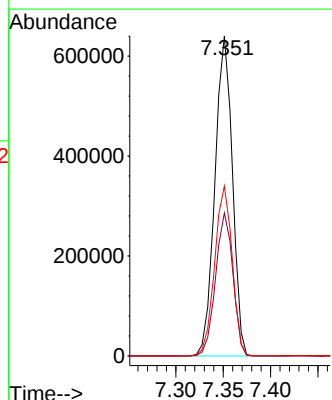
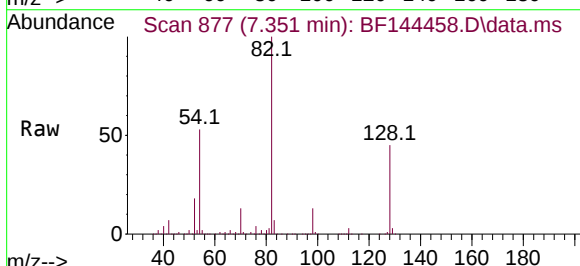
Tgt Ion: 82 Resp: 821365

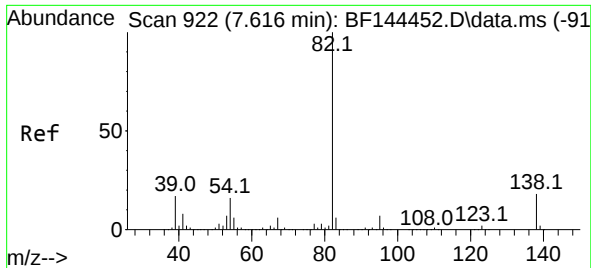
Ion Ratio Lower Upper

82 100

128 44.7 35.5 53.3

54 53.1 43.3 64.9

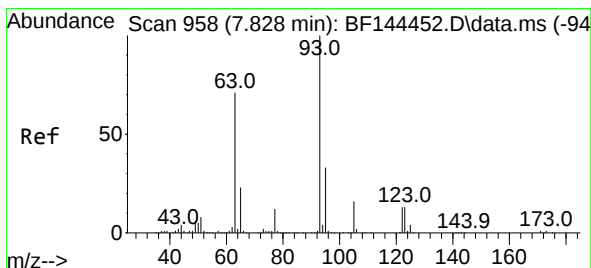
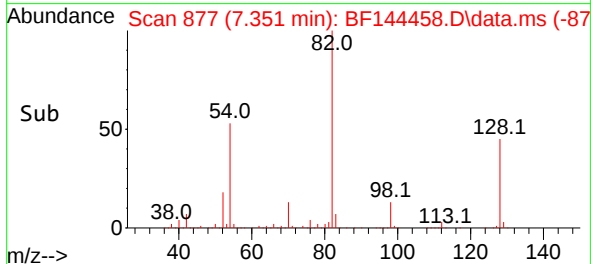
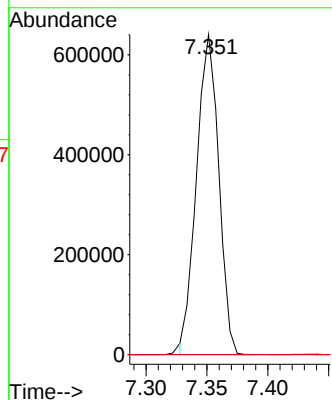
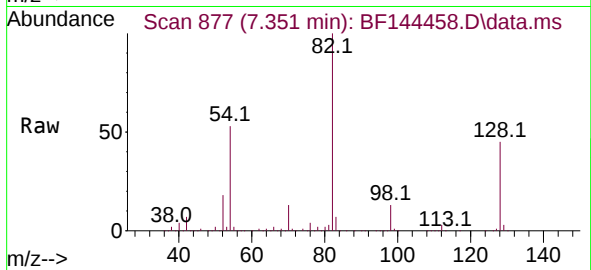




#25
Isophorone
Concen: 26.845 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

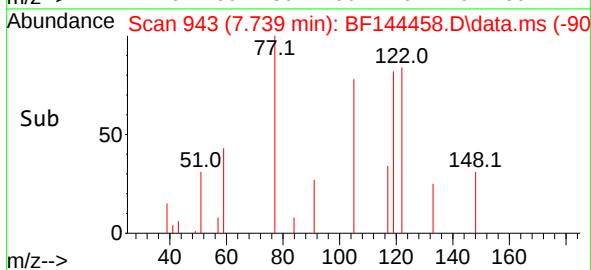
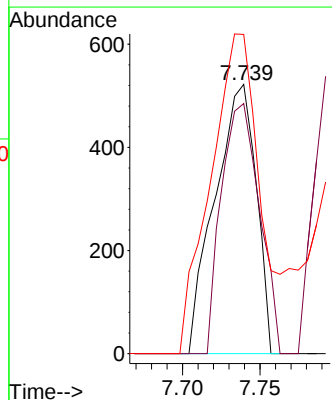
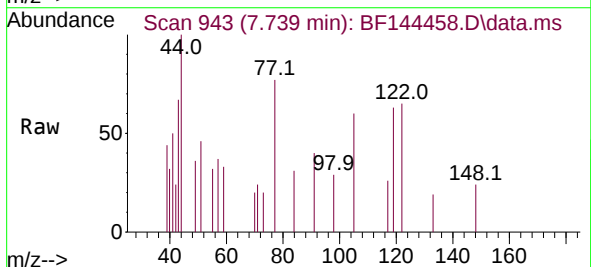
Instrument :
BNA_F
ClientSampleId :
COAN4

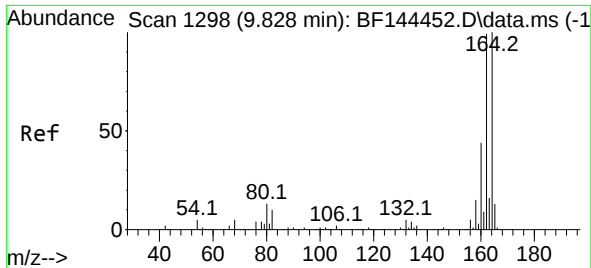
Tgt Ion: 82 Resp: 811057
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.4 21.6#



#32
Benzoic acid
Concen: 6.566 ng
RT: 7.739 min Scan# 943
Delta R.T. -0.089 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

Tgt Ion:122 Resp: 969
Ion Ratio Lower Upper
122 100
105 92.9 103.2 143.2#
77 118.6 75.1 115.1#

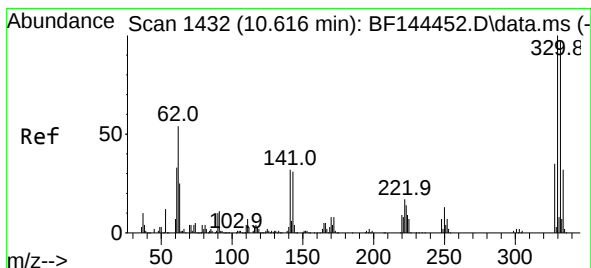
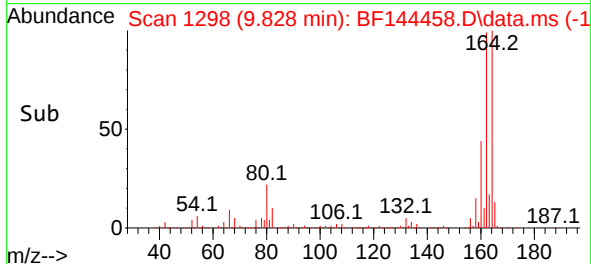
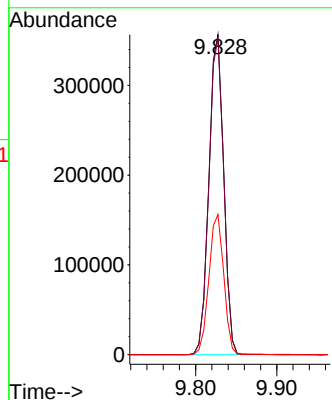
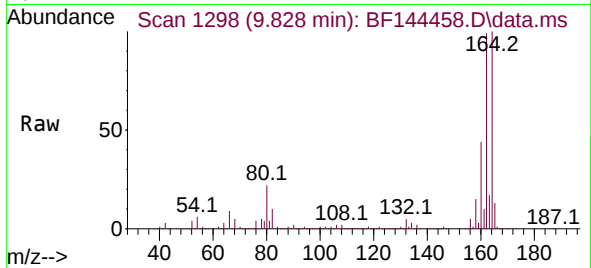




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

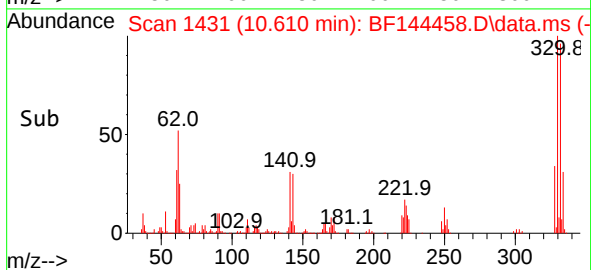
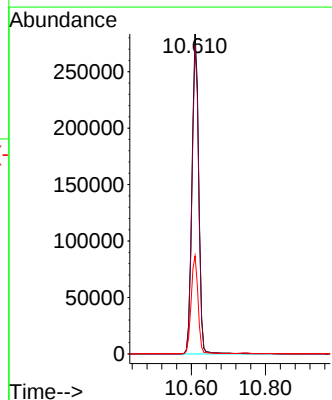
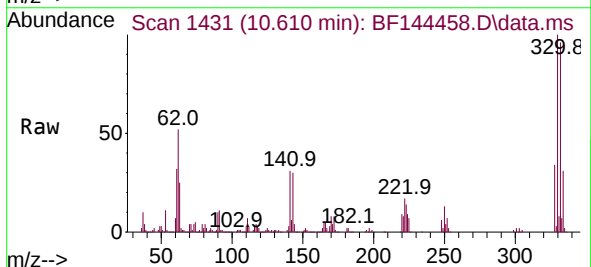
Instrument :
BNA_F
ClientSampleId :
C0AN4

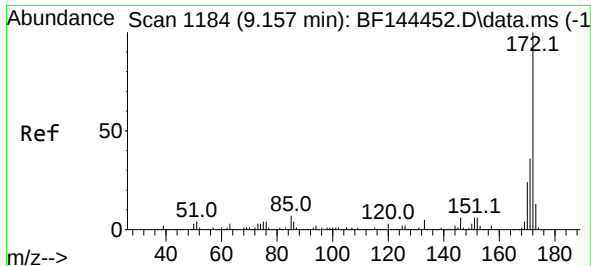
Tgt Ion:164 Resp: 453322
Ion Ratio Lower Upper
164 100
162 98.8 79.2 118.8
160 43.8 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 88.039 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

Tgt Ion:330 Resp: 360825
Ion Ratio Lower Upper
330 100
332 95.9 77.5 116.3
141 30.8 26.2 39.2

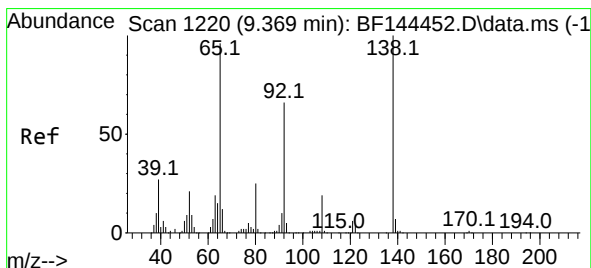
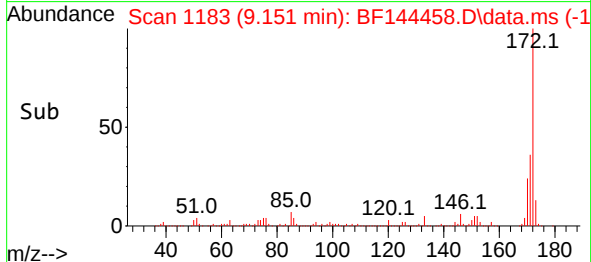
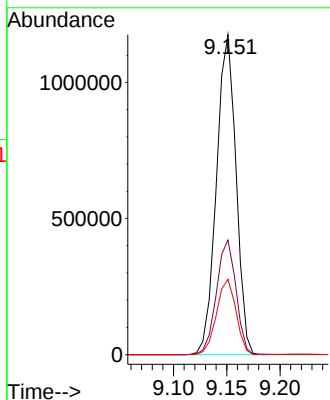
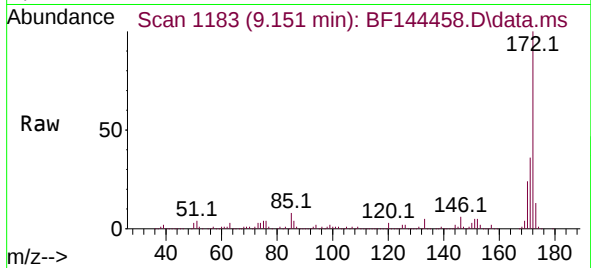




#45
2-Fluorobiphenyl
Concen: 50.975 ng
RT: 9.151 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

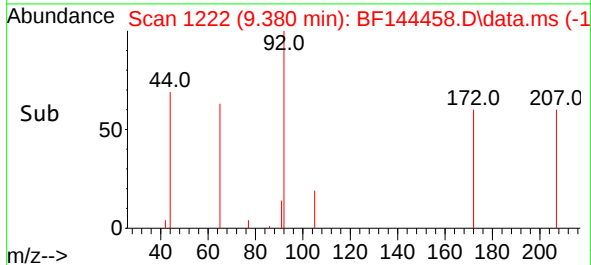
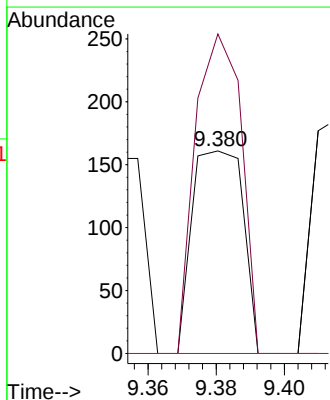
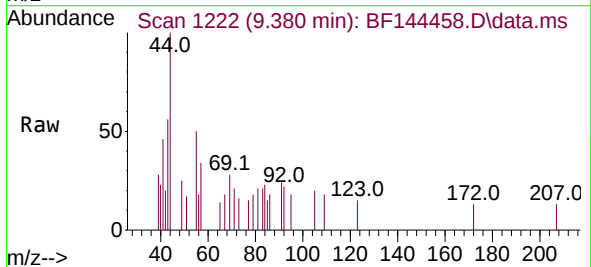
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BNA_F
ClientSampleId :
COAN4

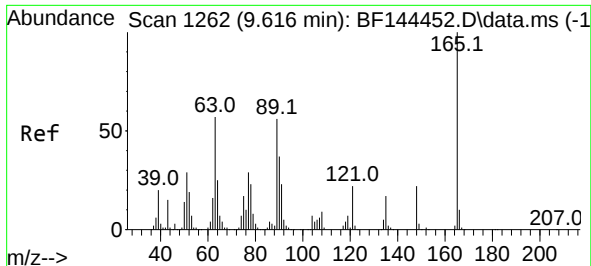
Tgt Ion:172 Resp: 1506319
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.5 19.3 28.9



#48
2-Nitroaniline
Concen: 3.653 ng
RT: 9.380 min Scan# 1222
Delta R.T. 0.011 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

Tgt Ion: 65 Resp: 167
Ion Ratio Lower Upper
65 100
92 157.8 55.0 82.4#
138 0.0 83.4 125.2#





#51

2,6-Dinitrotoluene

Concen: 14.029 ng

RT: 9.828 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF144458.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA_F

ClientSampleId :

COAN4

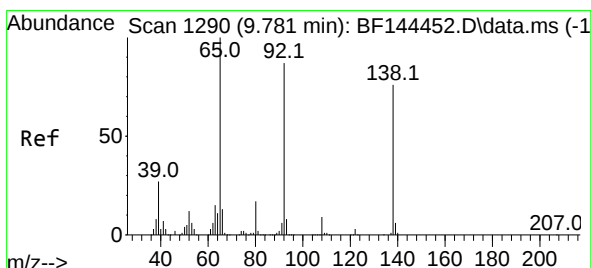
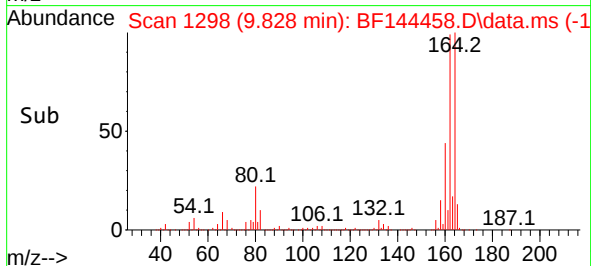
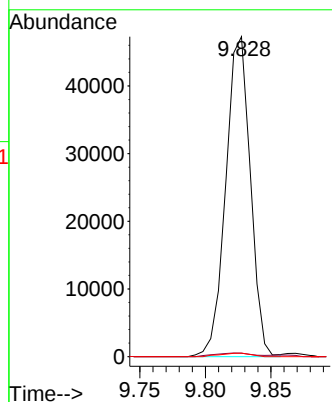
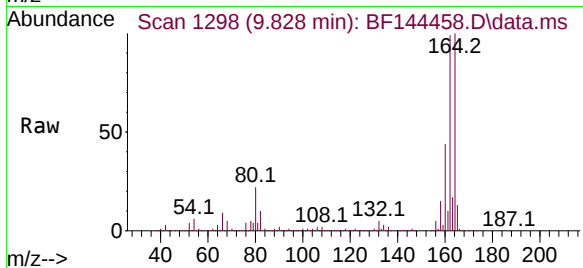
Tgt Ion:165 Resp: 61822

Ion Ratio Lower Upper

165 100

63 1.1 45.9 68.9#

89 1.1 44.6 67.0#



#53

3-Nitroaniline

Concen: 3.014 ng

RT: 10.028 min Scan# 1332

Delta R.T. 0.247 min

Lab File: BF144458.D

Acq: 12 Dec 2025 19:03

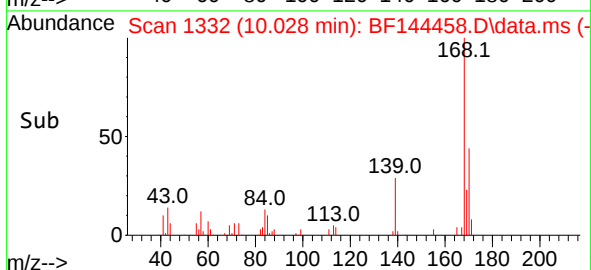
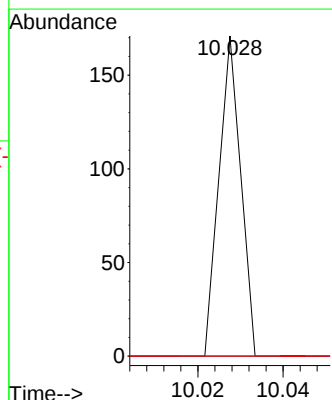
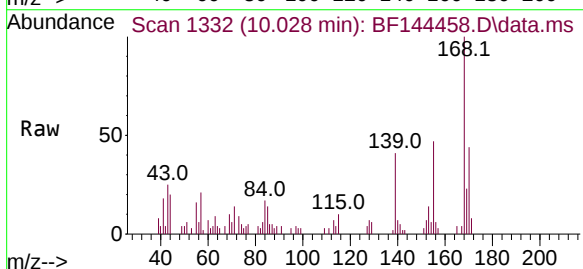
Tgt Ion:138 Resp: 60

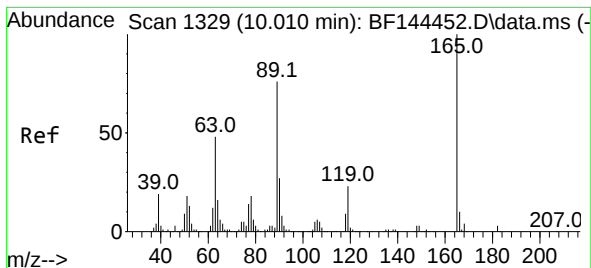
Ion Ratio Lower Upper

138 100

108 0.0 9.7 14.5#

92 0.0 91.5 137.3#

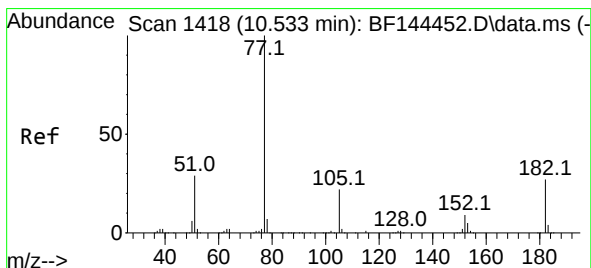
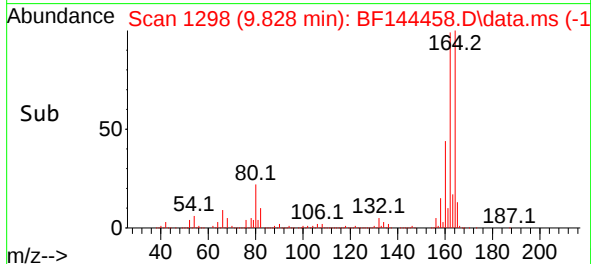
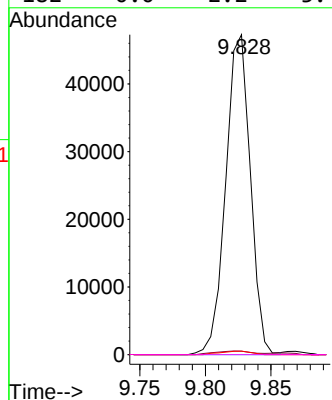
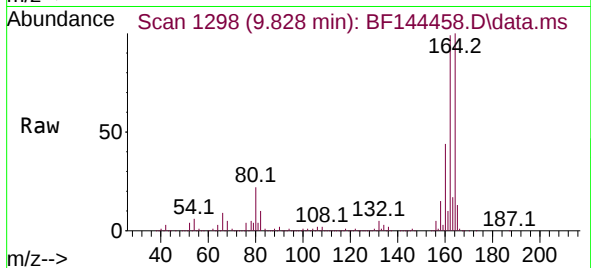




#57
2,4-Dinitrotoluene
Concen: 11.300 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

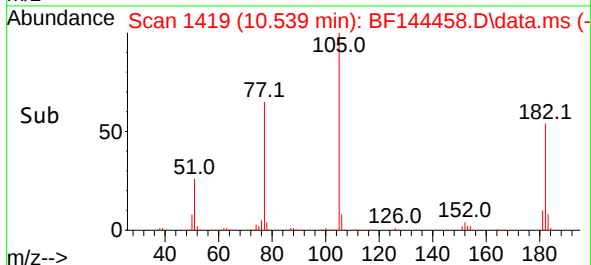
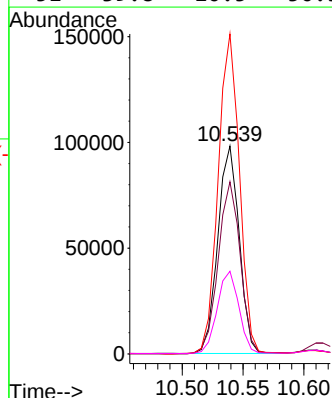
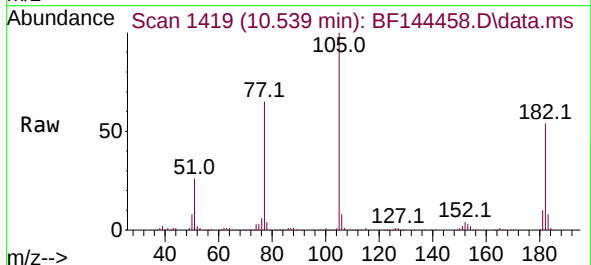
Instrument :
BNA_F
ClientSampleId :
COAN4

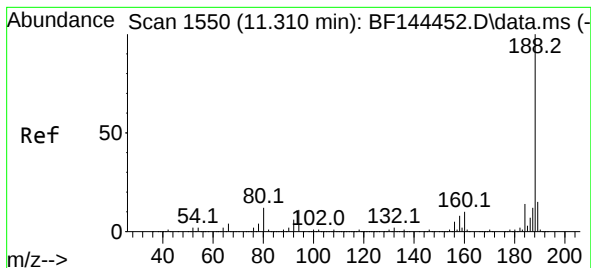
Tgt Ion:165 Resp: 61822
Ion Ratio Lower Upper
165 100
63 1.1 38.2 57.4#
89 1.1 61.2 91.8#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 3.908 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

Tgt Ion: 77 Resp: 119857
Ion Ratio Lower Upper
77 100
182 82.8 6.1 46.1#
105 154.0 1.5 41.5#
51 39.8 10.5 50.5

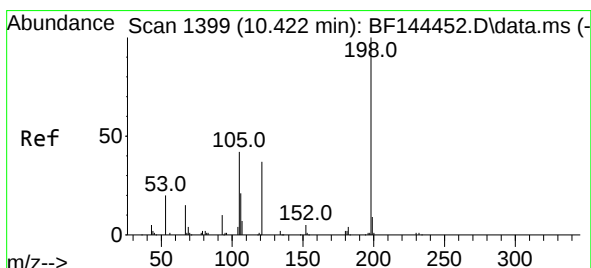
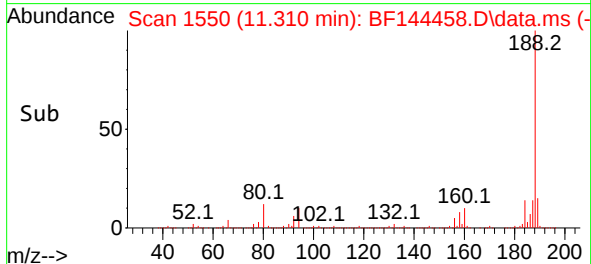
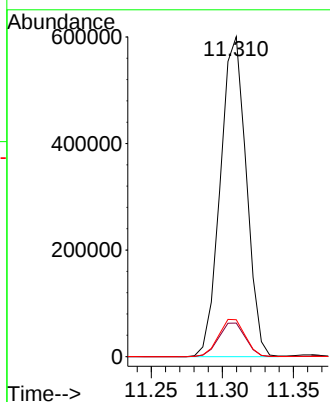
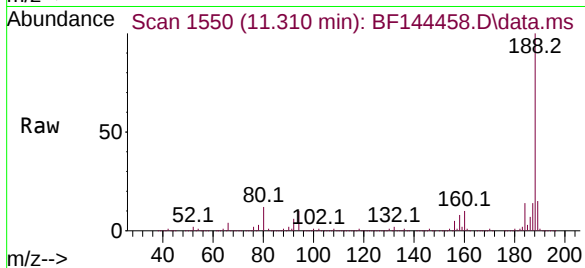




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

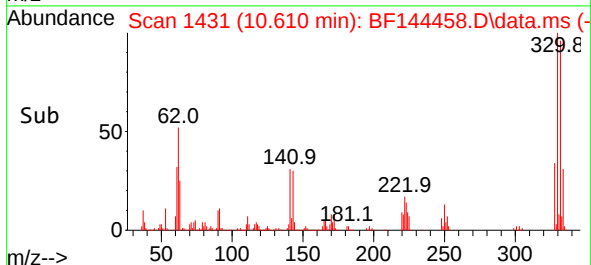
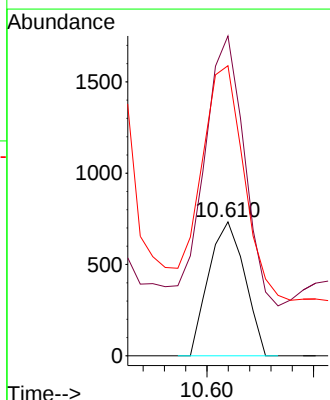
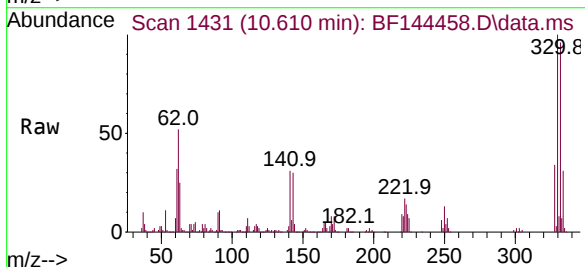
Instrument :
BNA_F
ClientSampleId :
COAN4

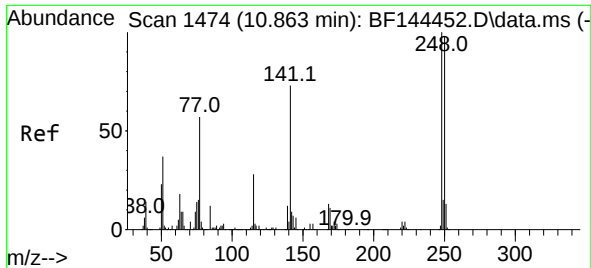
Tgt Ion:188 Resp: 763657
Ion Ratio Lower Upper
188 100
94 10.5 9.0 13.6
80 11.5 9.8 14.8



#65
4,6-Dinitro-2-methylphenol
Concen: 7.036 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.188 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

Tgt Ion:198 Resp: 862
Ion Ratio Lower Upper
198 100
51 239.0 25.5 65.5#
105 216.8 23.4 63.4#

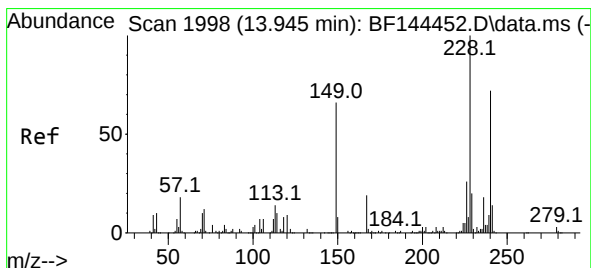
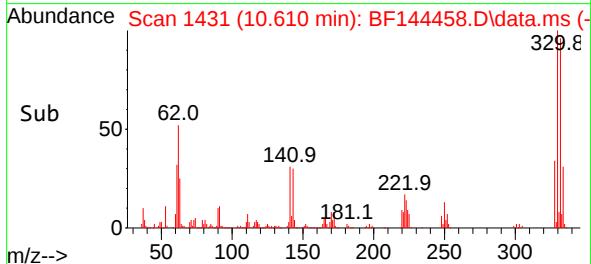
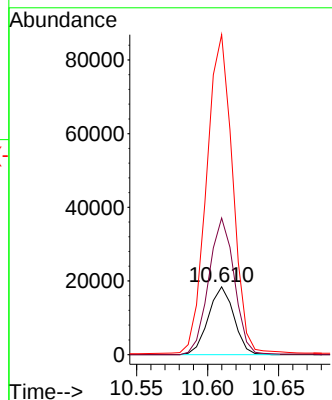
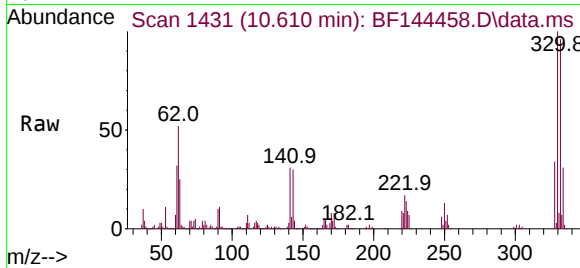




#67
4-Bromophenyl-phenylether
Concen: 2.579 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

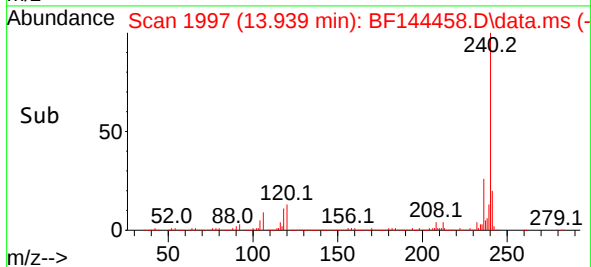
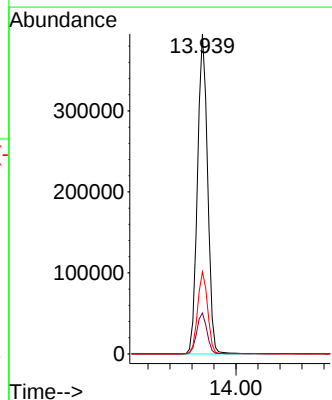
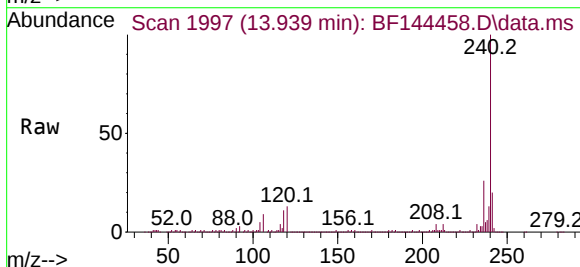
Instrument :
BNA_F
ClientSampleId :
C0AN4

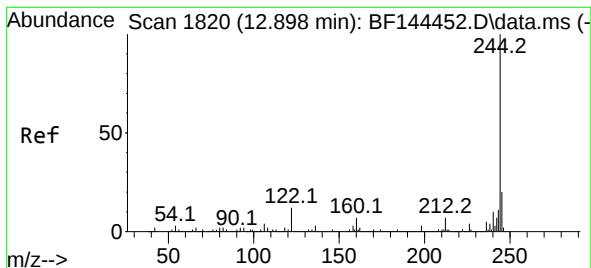
Tgt Ion:248 Resp: 22994
Ion Ratio Lower Upper
248 100
250 201.7 78.2 117.4#
141 472.5 58.5 87.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

Tgt Ion:240 Resp: 505911
Ion Ratio Lower Upper
240 100
120 12.8 10.3 15.5
236 25.6 20.2 30.4





#79

Terphenyl-d14

Concen: 45.788 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.006 min

Lab File: BF144458.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA_F

ClientSampleId :

COAN4

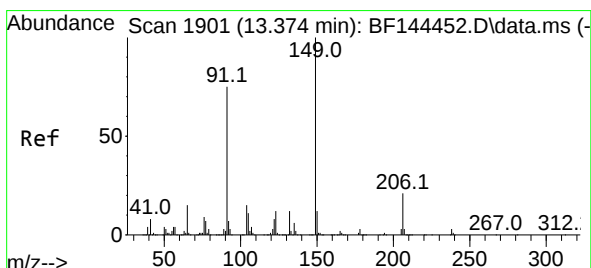
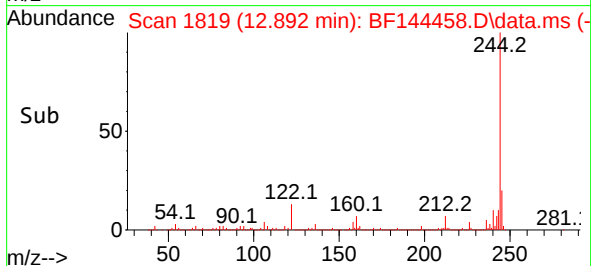
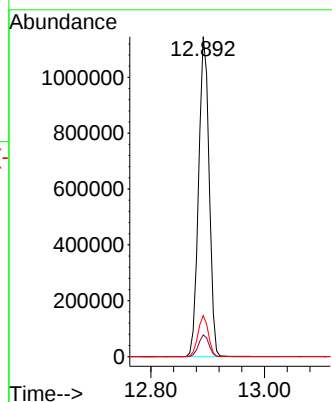
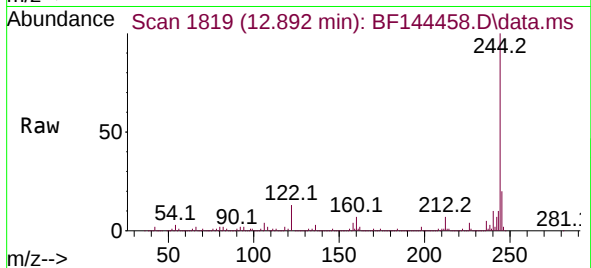
Tgt Ion:244 Resp: 1467249

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 12.8 9.9 14.9



#80

Butylbenzylphthalate

Concen: 3.292 ng

RT: 13.368 min Scan# 1900

Delta R.T. -0.006 min

Lab File: BF144458.D

Acq: 12 Dec 2025 19:03

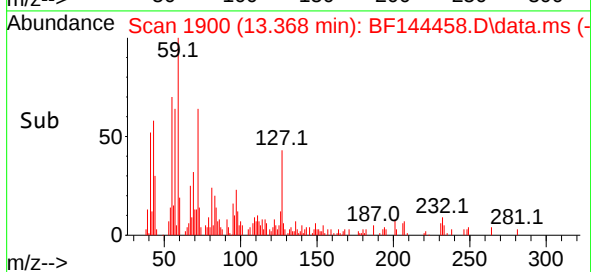
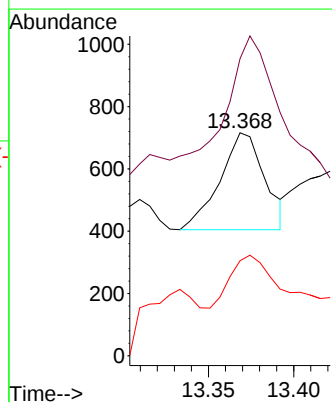
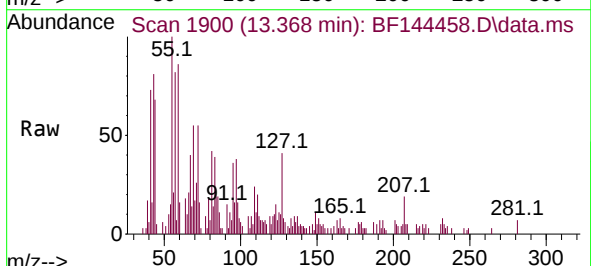
Tgt Ion:149 Resp: 566

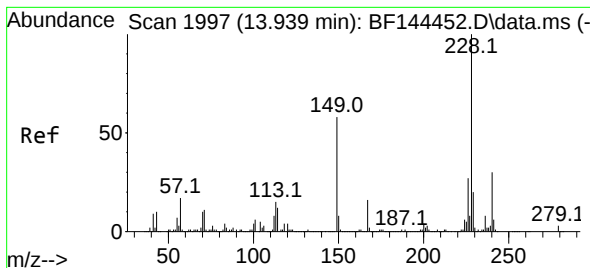
Ion Ratio Lower Upper

149 100

91 133.2 59.8 89.8#

206 42.6 17.0 25.6#

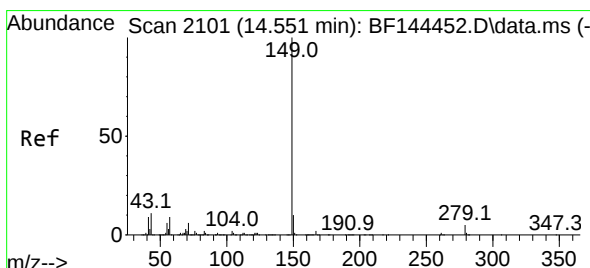
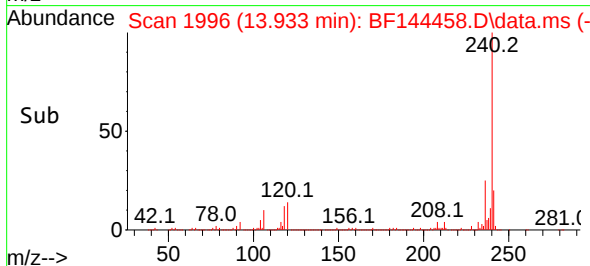
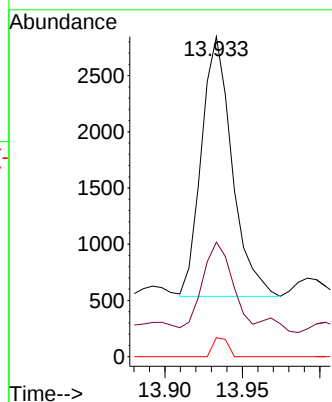
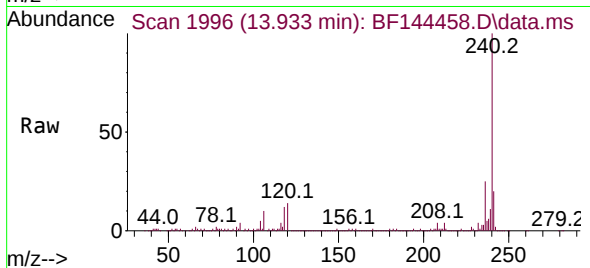




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.074 ng
RT: 13.933 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

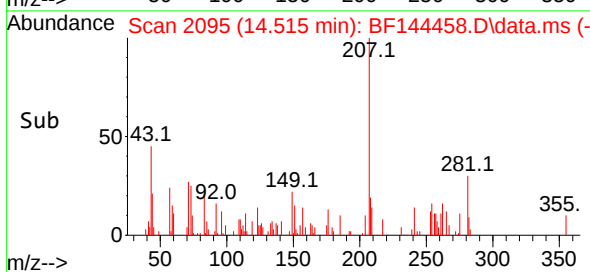
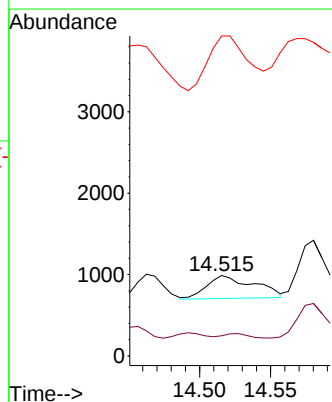
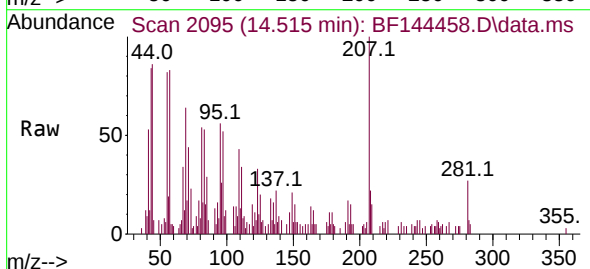
Instrument :
BNA_F
ClientSampleId :
COAN4

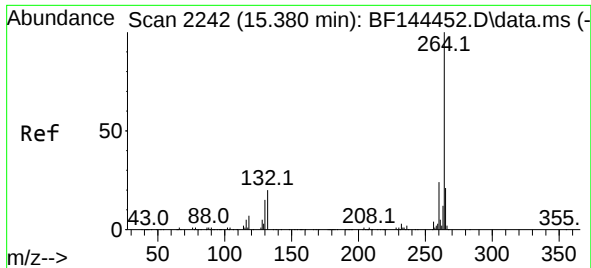
Tgt Ion:149 Resp: 3192
Ion Ratio Lower Upper
149 100
167 35.8 22.6 34.0#
279 5.9 3.7 5.5#



#85
Di-n-octyl phthalate
Concen: 6.523 ng
RT: 14.515 min Scan# 2095
Delta R.T. -0.036 min
Lab File: BF144458.D
Acq: 12 Dec 2025 19:03

Tgt Ion:149 Resp: 649
Ion Ratio Lower Upper
149 100
167 13.1 1.3 1.9#
43 208.6 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: BF144458.D
Acq: 12 Dec 2025 19:03

Instrument :
BNA_F
ClientSampleId :
C0AN4

Tgt Ion:264 Resp: 445129
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 21.5 17.1 25.7

