

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121225\
 Data File : BF144457.D
 Acq On : 12 Dec 2025 18:34
 Operator : RC/JU
 Sample : Q3839-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COAN3

Quant Time: Dec 12 23:32:39 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)

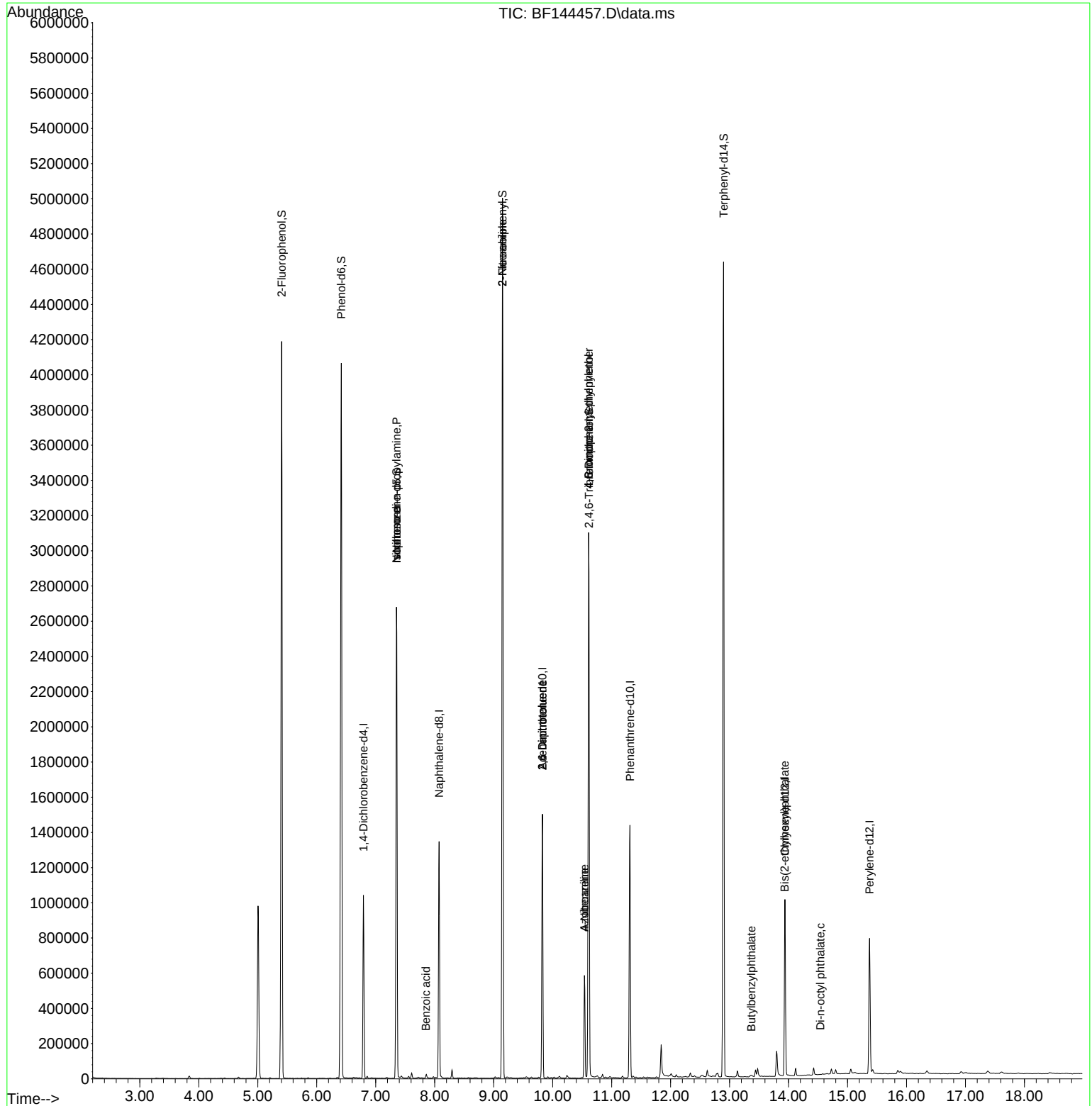
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	211073	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	820560	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	442348	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	718548	20.000	ng	0.00
76) Chrysene-d12	13.939	240	467069	20.000	ng	0.00
86) Perylene-d12	15.374	264	417856	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1663548	118.836	ng	0.00
7) Phenol-d6	6.416	99	2113275	121.030	ng	0.00
23) Nitrobenzene-d5	7.351	82	1225867	93.488	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	551443	137.887	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2159778	74.902	ng	0.00
79) Terphenyl-d14	12.898	244	2244210	75.859	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	166691	15.113	ng	# 78
25) Isophorone	7.351	82	1214761	41.049	ng	# 65
32) Benzoic acid	7.851	122	305	6.497	ng	# 1
48) 2-Nitroaniline	9.151	65	3700	4.085	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	57265	13.515	ng	# 25
57) 2,4-Dinitrotoluene	9.828	165	57265	10.924	ng	# 21
62) 4-Nitroaniline	10.539	138	54	2.521	ng	# 20
63) Azobenzene	10.539	77	145719	4.869	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	1283	7.169	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	35183	4.194	ng	# 1
80) Butylbenzylphthalate	13.369	149	197	3.271	ng	# 13
84) Bis(2-ethylhexyl)phtha...	13.933	149	1806	3.009	ng	# 78
85) Di-n-octyl phthalate	14.539	149	412	6.516	ng	# 73

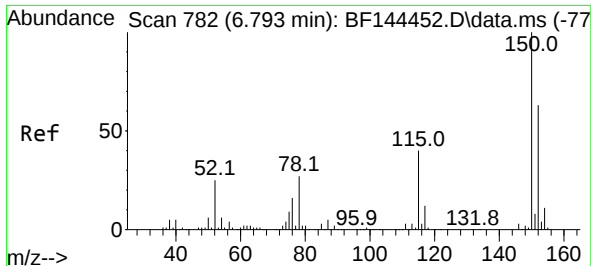
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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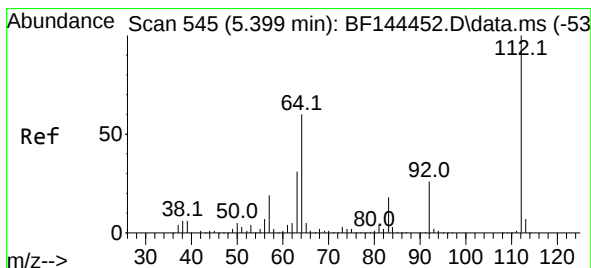
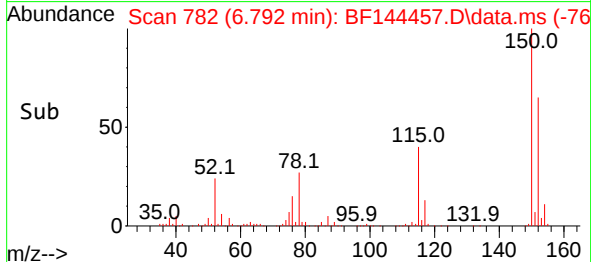
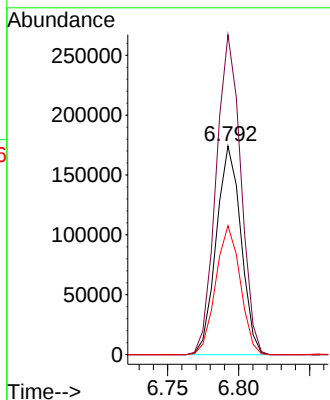
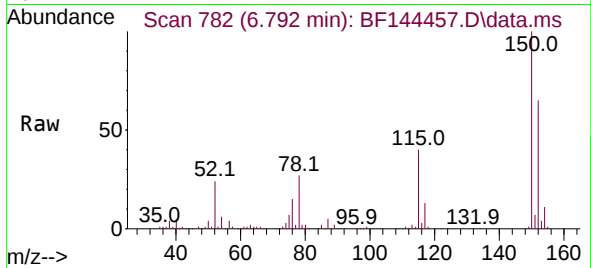




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 782
Delta R.T. -0.001 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

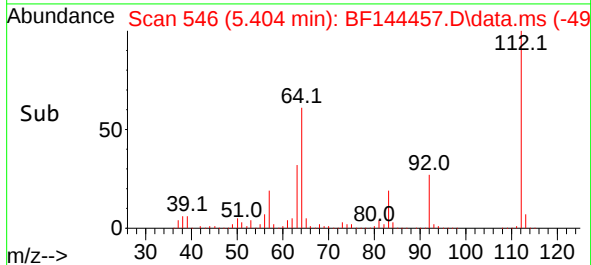
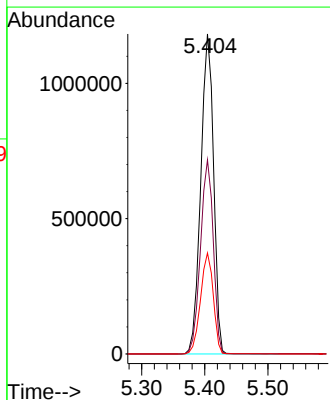
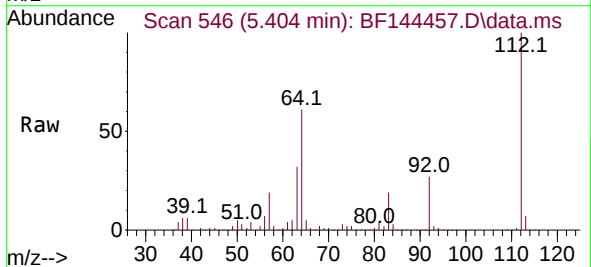
Instrument :
BNA_F
ClientSampleId :
COAN3

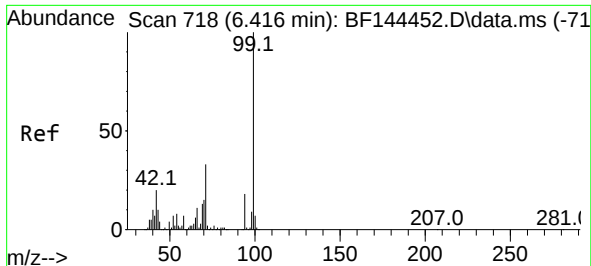
Tgt Ion:152 Resp: 211073
Ion Ratio Lower Upper
152 100
150 153.4 127.4 191.2
115 61.8 51.4 77.0



#5
2-Fluorophenol
Concen: 118.836 ng
RT: 5.404 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

Tgt Ion:112 Resp: 1663548
Ion Ratio Lower Upper
112 100
64 60.6 47.8 71.6
63 31.5 24.6 37.0





#7
Phenol-d6
Concen: 121.030 ng
RT: 6.416 min Scan# 718
Delta R.T. -0.000 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

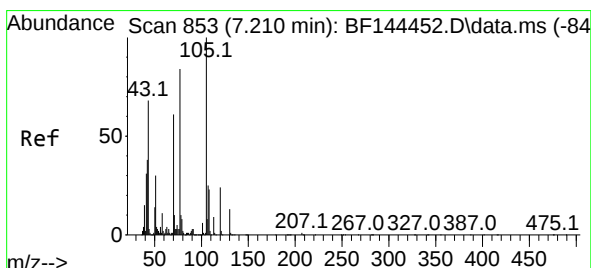
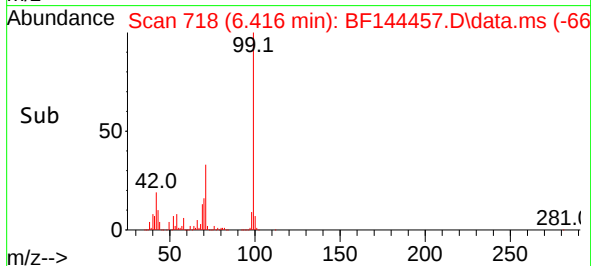
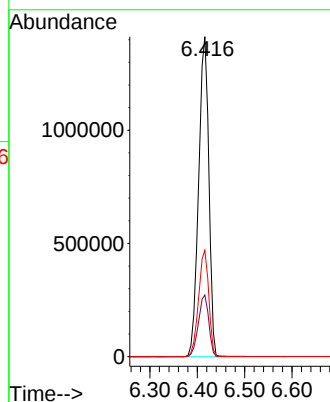
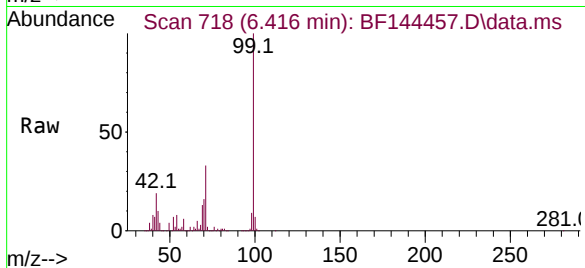
Instrument :

BNA_F

ClientSampleId :

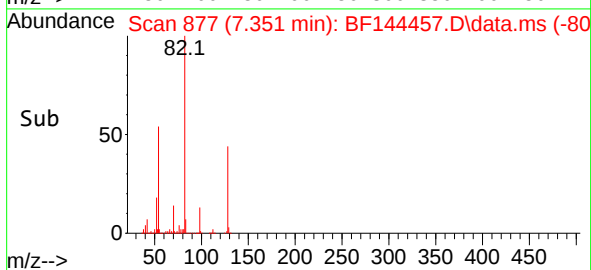
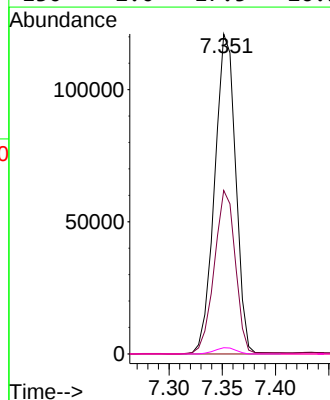
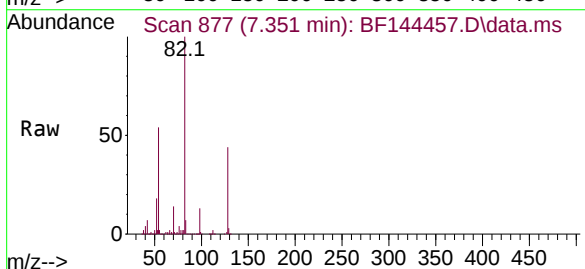
COAN3

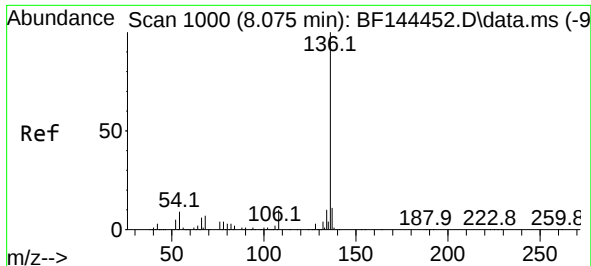
Tgt Ion: 99 Resp: 2113275
Ion Ratio Lower Upper
99 100
42 19.3 15.7 23.5
71 33.2 26.4 39.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.113 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

Tgt Ion: 70 Resp: 166691
Ion Ratio Lower Upper
70 100
42 51.1 49.4 74.0
101 0.0 7.8 11.6#
130 2.0 17.5 26.3#

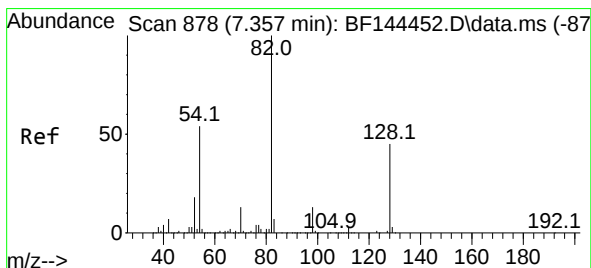
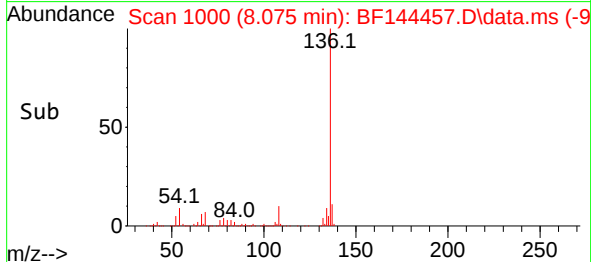
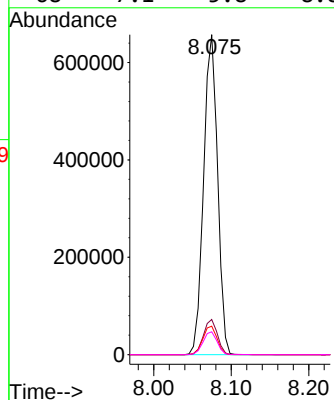
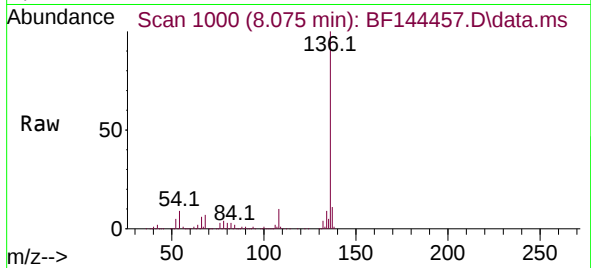




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

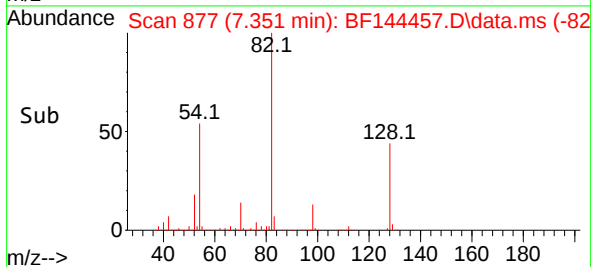
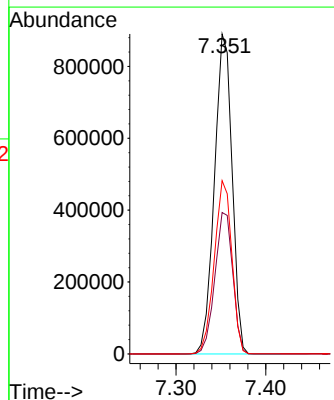
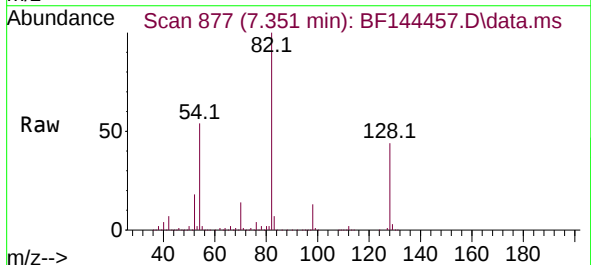
Instrument :
BNA_F
ClientSampleId :
COAN3

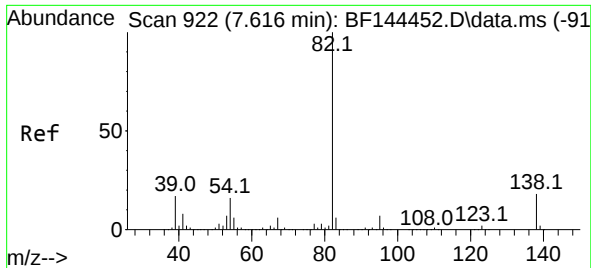
Tgt Ion:136	Resp: 820560
Ion Ratio	Lower Upper
136 100	
137 11.0	8.8 13.2
54 8.9	7.5 11.3
68 7.1	5.8 8.8



#23
Nitrobenzene-d5
Concen: 93.488 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

Tgt Ion: 82		Resp: 1225867	
Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.5	53.3
54	54.2	43.3	64.9

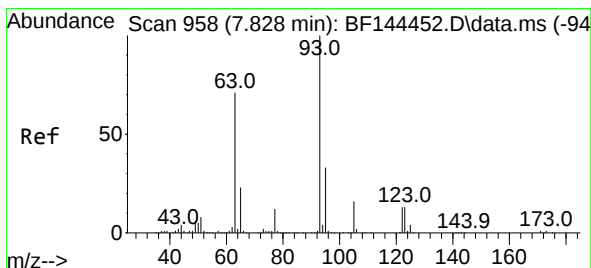
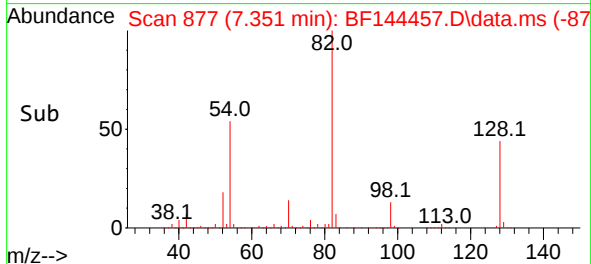
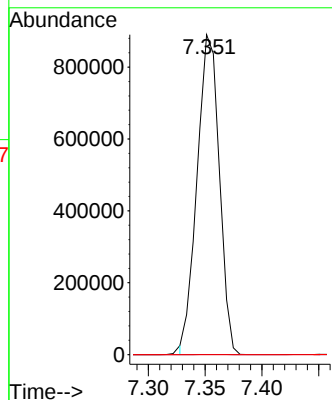
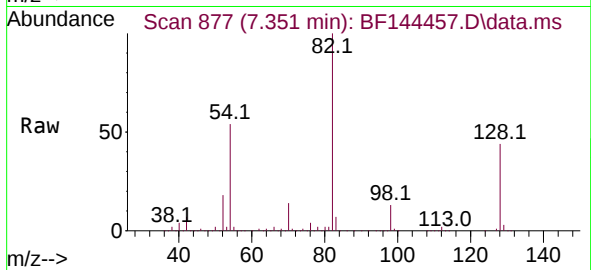




#25
Isophorone
Concen: 41.049 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

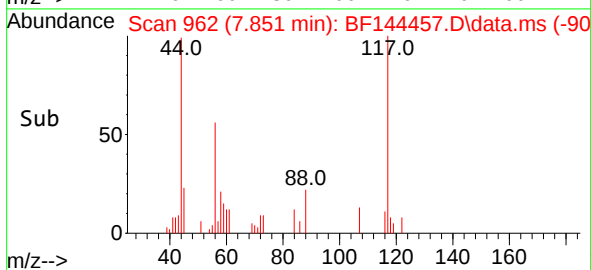
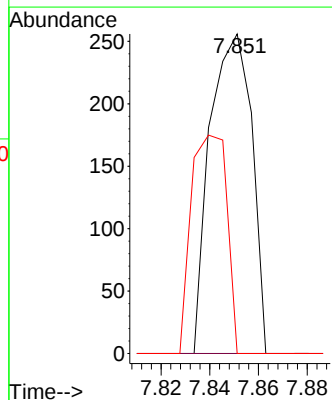
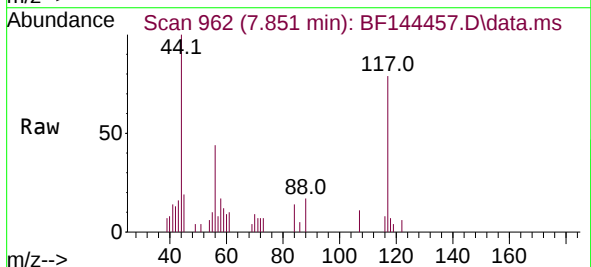
Instrument :
BNA_F
ClientSampleId :
COAN3

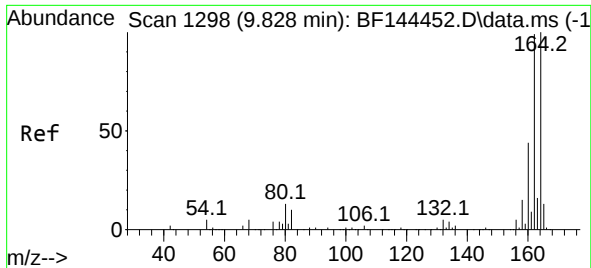
Tgt Ion: 82 Resp: 1214761
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.4 21.6#



#32
Benzoic acid
Concen: 6.497 ng
RT: 7.851 min Scan# 962
Delta R.T. 0.023 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

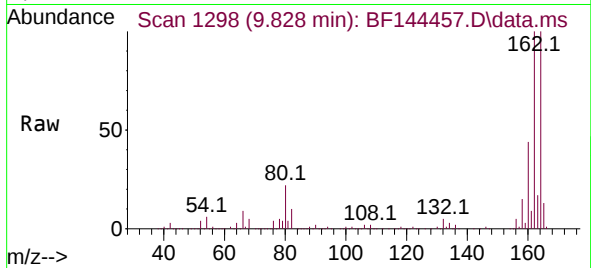
Tgt Ion:122 Resp: 305
Ion Ratio Lower Upper
122 100
105 0.0 103.2 143.2#
77 0.0 75.1 115.1#



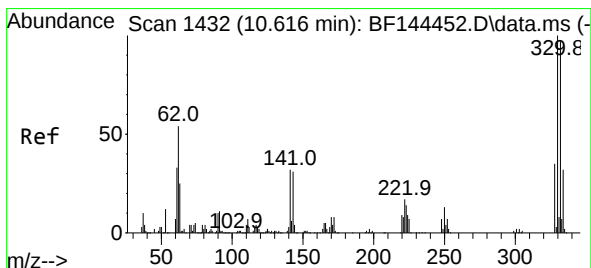
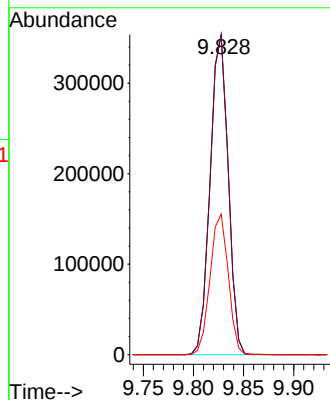
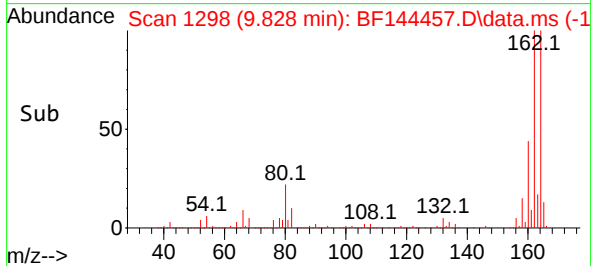


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

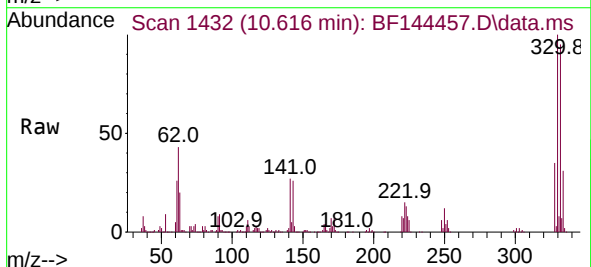
Instrument :
BNA_F
ClientSampleId :
COAN3



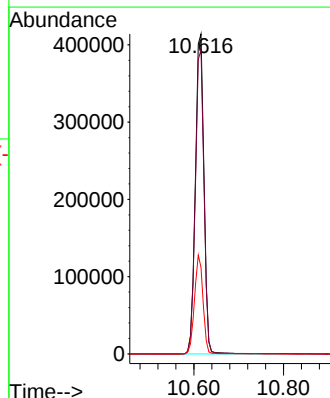
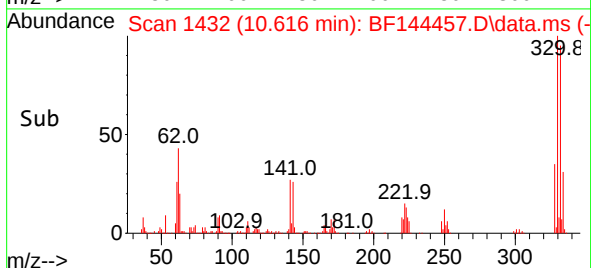
Tgt Ion:164 Resp: 442348
Ion Ratio Lower Upper
164 100
162 99.7 79.2 118.8
160 43.9 35.3 52.9

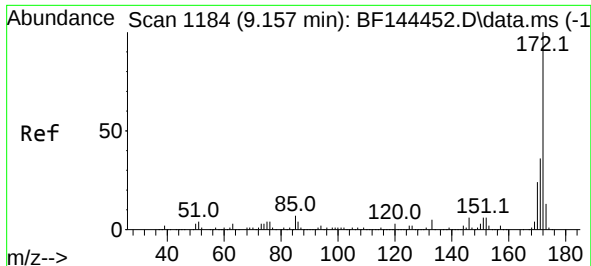


#42
2,4,6-Tribromophenol
Concen: 137.887 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34



Tgt Ion:330 Resp: 551443
Ion Ratio Lower Upper
330 100
332 95.0 77.5 116.3
141 30.4 26.2 39.2

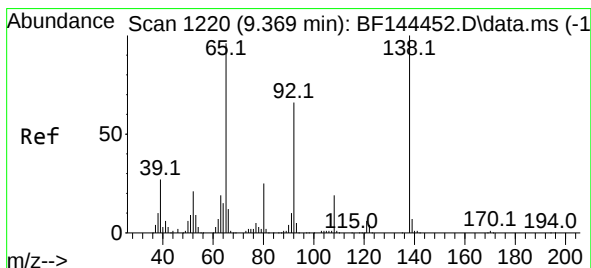
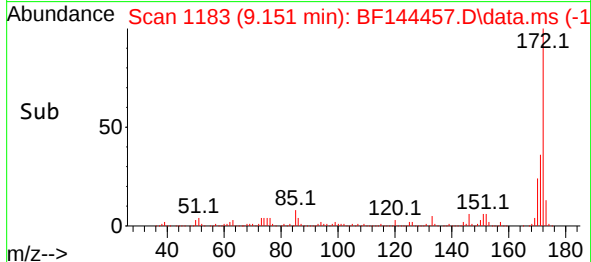
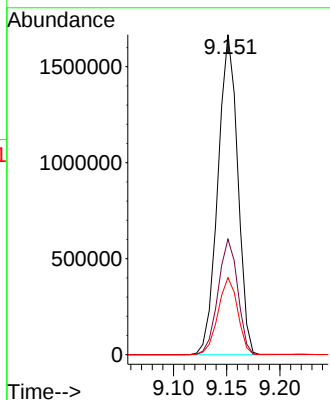
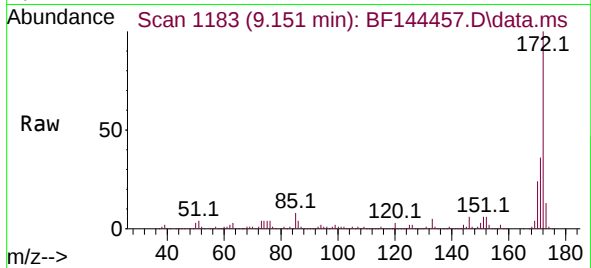




#45
2-Fluorobiphenyl
Concen: 74.902 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

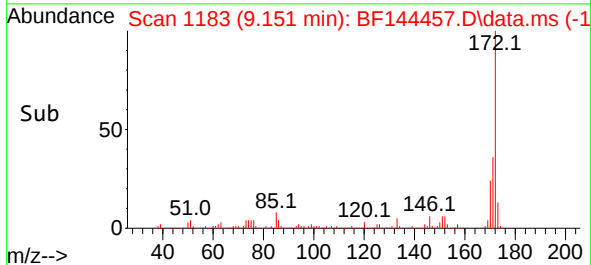
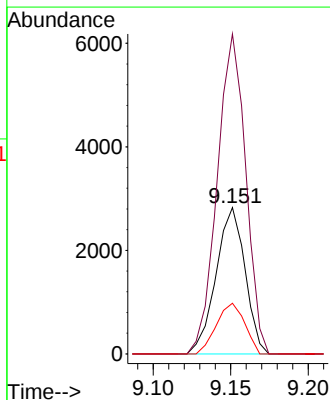
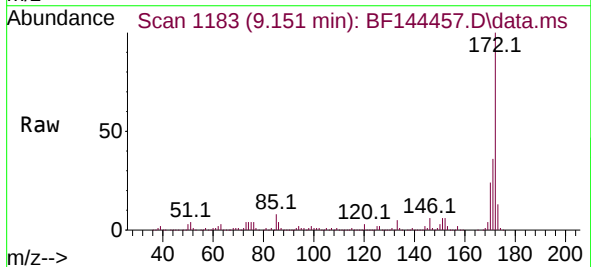
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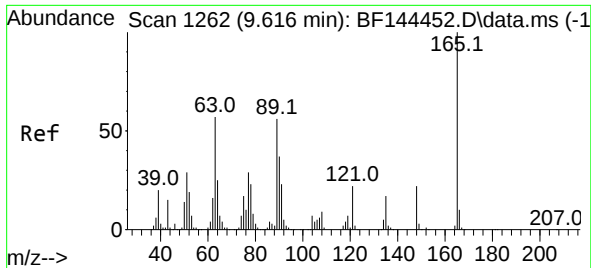
Tgt Ion:172 Resp: 2159778
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 24.0 19.3 28.9



#48
2-Nitroaniline
Concen: 4.085 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.218 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

Tgt Ion: 65 Resp: 3700
Ion Ratio Lower Upper
65 100
92 218.7 55.0 82.4#
138 34.6 83.4 125.2#





#51

2,6-Dinitrotoluene

Concen: 13.515 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.212 min

Lab File: BF144457.D

Acq: 12 Dec 2025 18:34

Instrument :

BNA_F

ClientSampleId :

COAN3

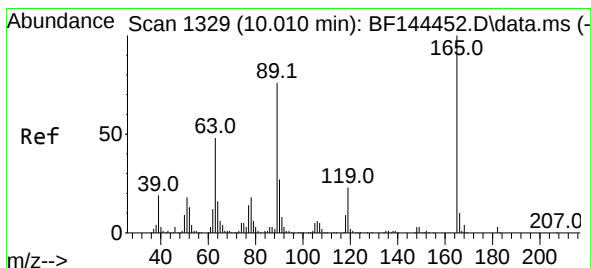
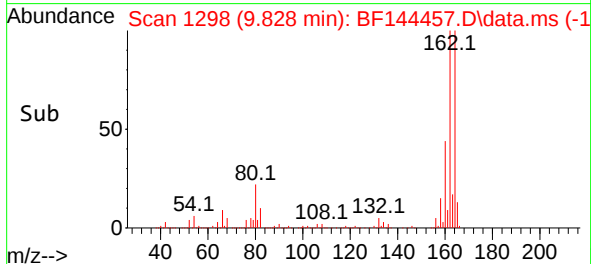
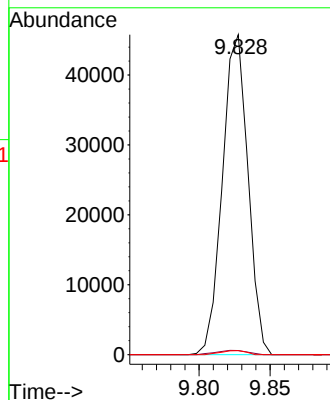
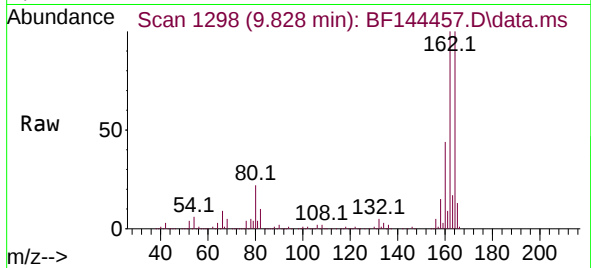
Tgt Ion:165 Resp: 57265

Ion Ratio Lower Upper

165 100

63 1.3 45.9 68.9#

89 1.2 44.6 67.0#



#57

2,4-Dinitrotoluene

Concen: 10.924 ng

RT: 9.828 min Scan# 1298

Delta R.T. -0.182 min

Lab File: BF144457.D

Acq: 12 Dec 2025 18:34

Tgt Ion:165 Resp: 57265

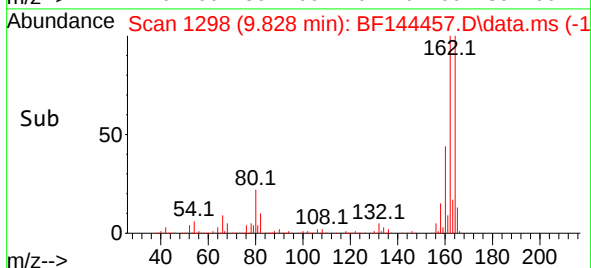
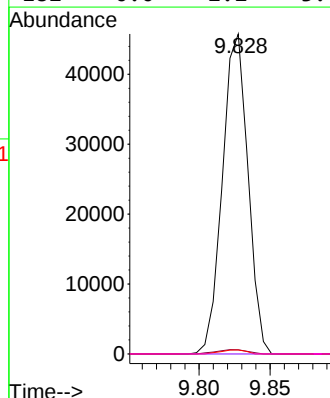
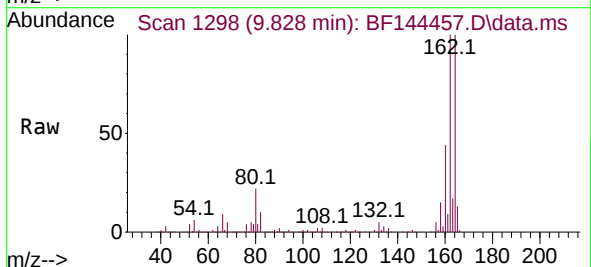
Ion Ratio Lower Upper

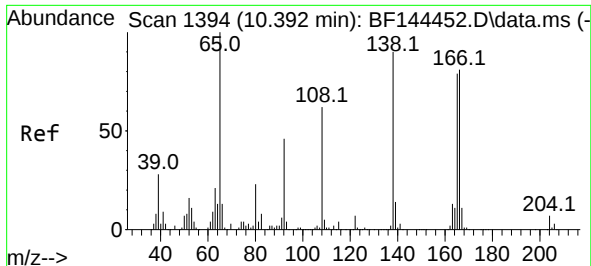
165 100

63 1.3 38.2 57.4#

89 1.2 61.2 91.8#

182 0.0 2.2 3.4#

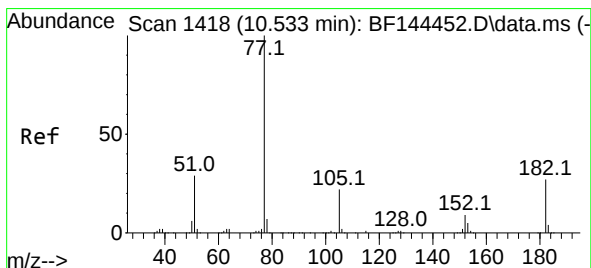
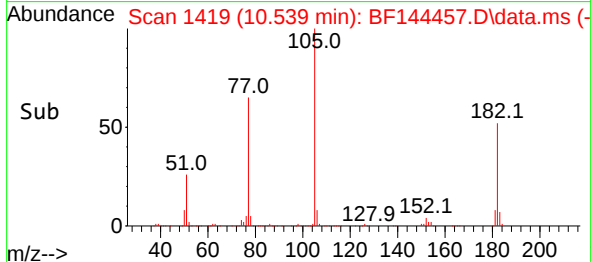
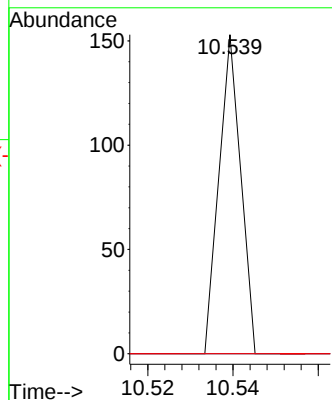
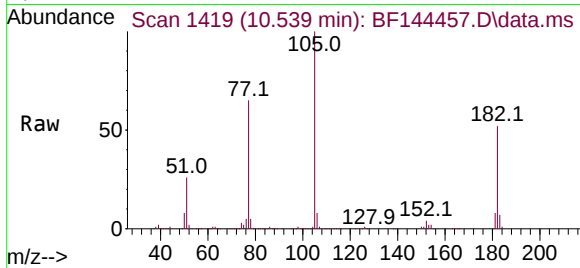




#62
4-Nitroaniline
Concen: 2.521 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.147 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

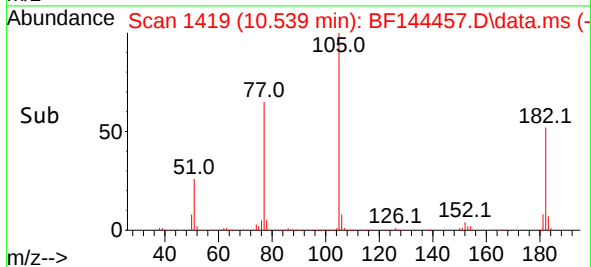
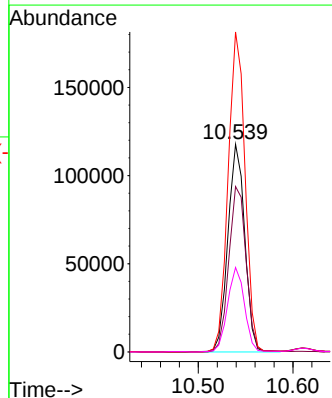
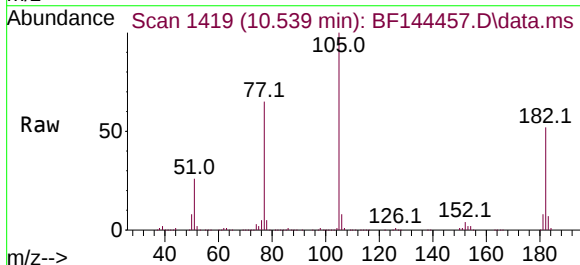
Instrument :
BNA_F
ClientSampleId :
COAN3

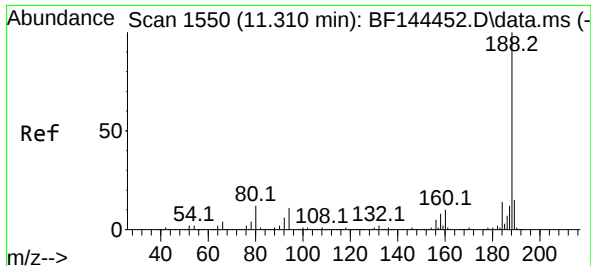
Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
92 0.0 30.8 70.8#
108 0.0 49.2 89.2#



#63
Azobenzene
Concen: 4.869 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

Tgt Ion: 77 Resp: 145719
Ion Ratio Lower Upper
77 100
182 79.7 6.1 46.1#
105 154.2 1.5 41.5#
51 40.6 10.5 50.5

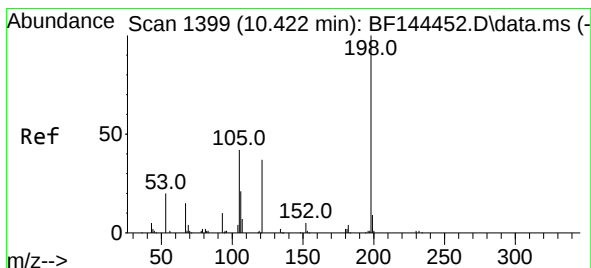
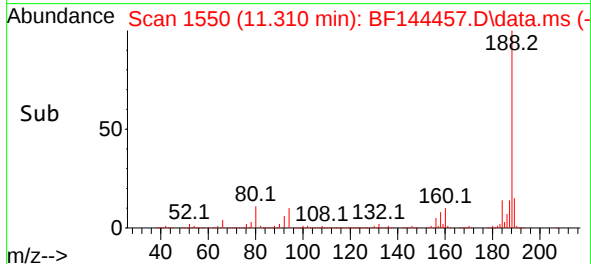
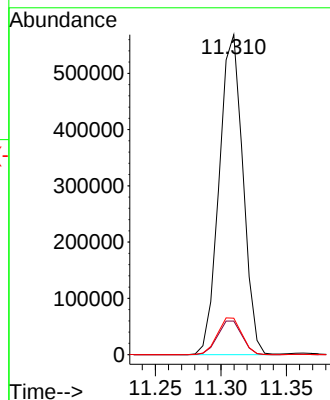
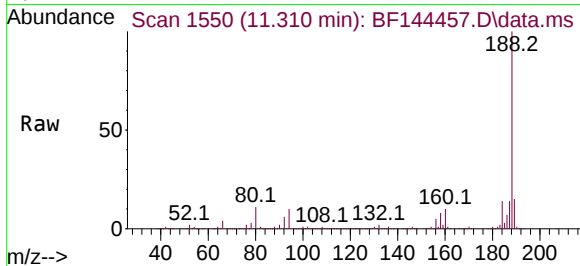




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

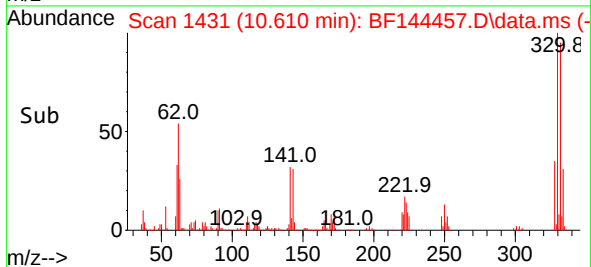
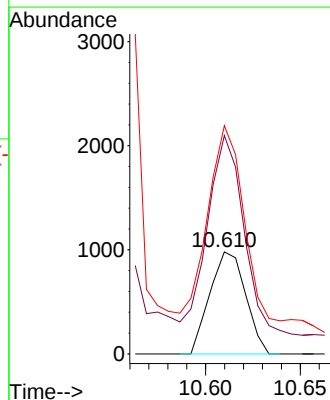
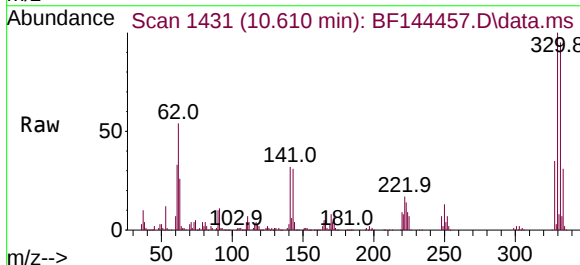
Instrument :
BNA_F
ClientSampleId :
COAN3

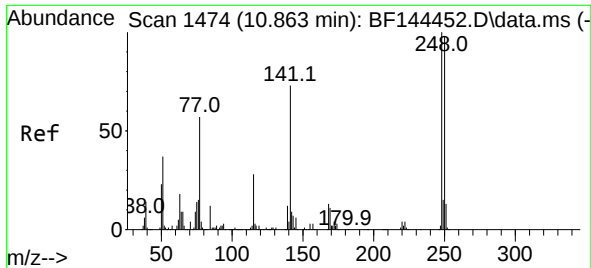
Tgt Ion:188 Resp: 718548
Ion Ratio Lower Upper
188 100
94 10.5 9.0 13.6
80 11.4 9.8 14.8



#65
4,6-Dinitro-2-methylphenol
Concen: 7.169 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.188 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

Tgt Ion:198 Resp: 1283
Ion Ratio Lower Upper
198 100
51 214.1 25.5 65.5#
105 223.7 23.4 63.4#

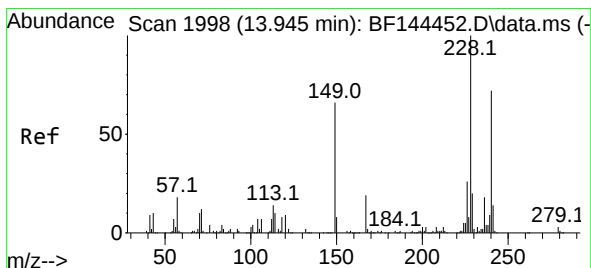
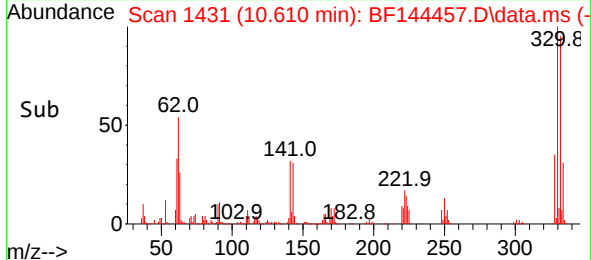
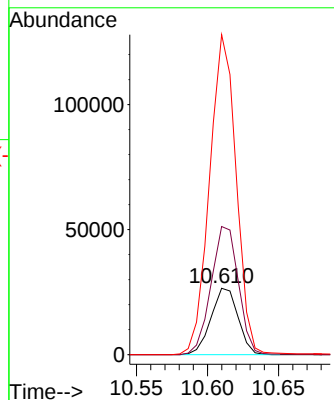
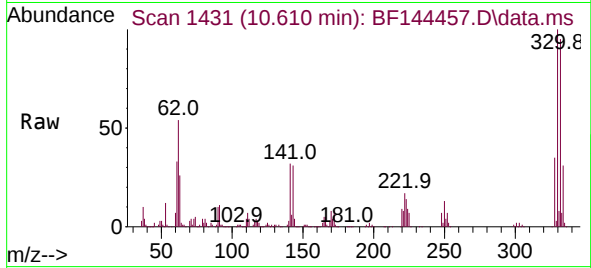




#67
4-Bromophenyl-phenylether
Concen: 4.194 ng
RT: 10.610 min Scan# 1474
Delta R.T. -0.253 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

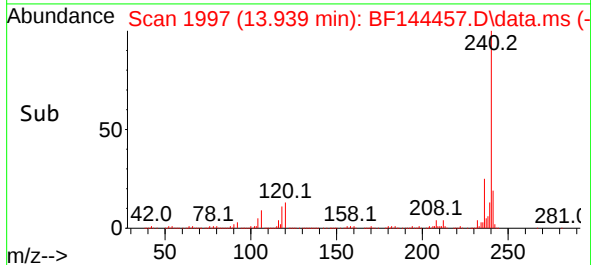
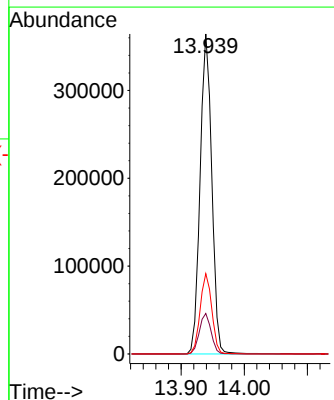
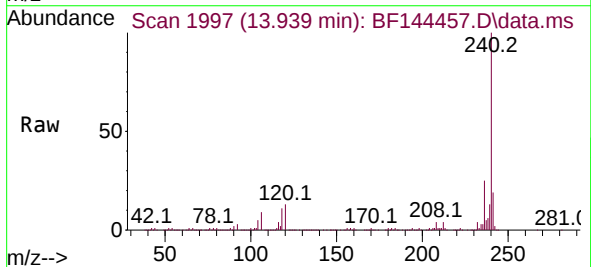
Instrument :
BNA_F
ClientSampleId :
COAN3

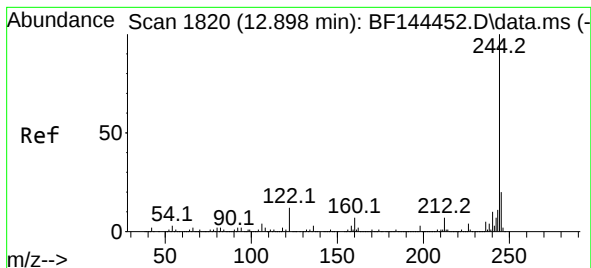
Tgt Ion:248 Resp: 35183
Ion Ratio Lower Upper
248 100
250 193.2 78.2 117.4#
141 482.9 58.5 87.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

Tgt Ion:240 Resp: 467069
Ion Ratio Lower Upper
240 100
120 12.6 10.3 15.5
236 25.1 20.2 30.4





#79

Terphenyl-d14

Concen: 75.859 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.000 min

Lab File: BF144457.D

Acq: 12 Dec 2025 18:34

Instrument :

BNA_F

ClientSampleId :

COAN3

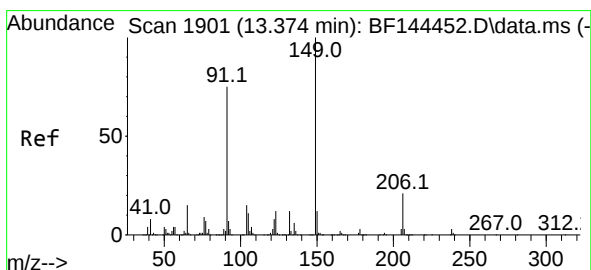
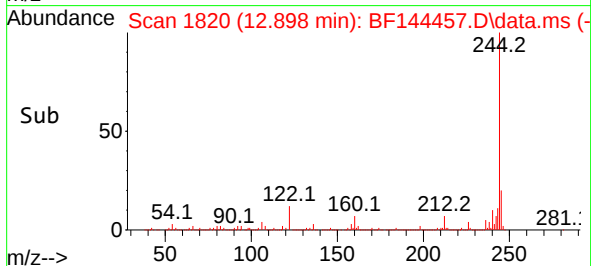
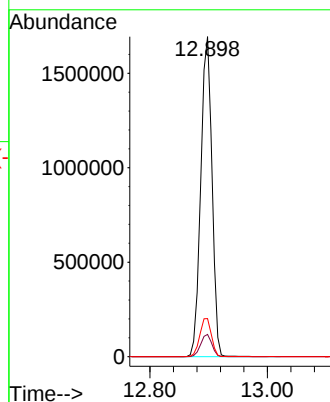
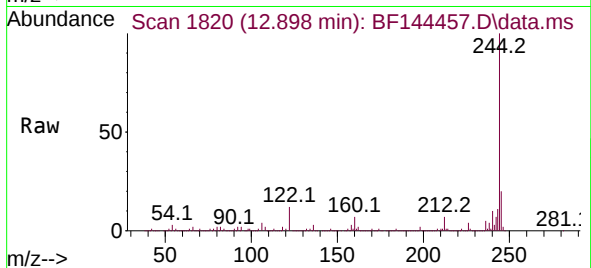
Tgt Ion:244 Resp: 2244210

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 11.9 9.9 14.9



#80

Butylbenzylphthalate

Concen: 3.271 ng

RT: 13.369 min Scan# 1900

Delta R.T. -0.005 min

Lab File: BF144457.D

Acq: 12 Dec 2025 18:34

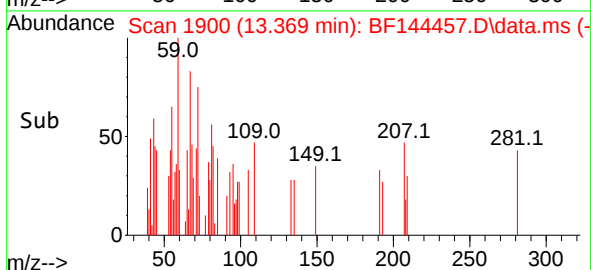
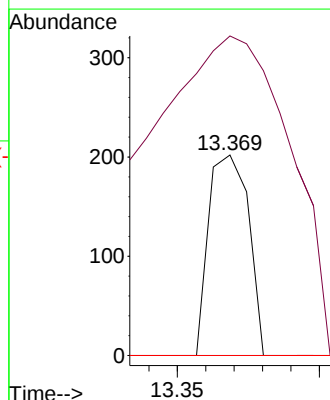
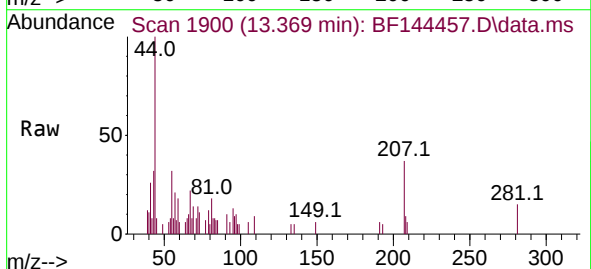
Tgt Ion:149 Resp: 197

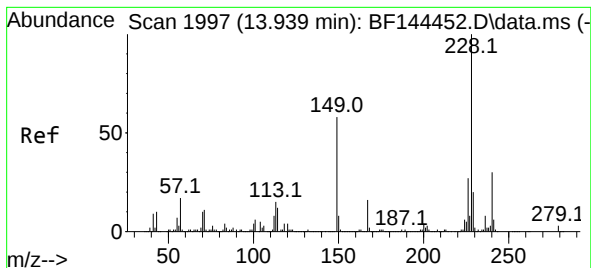
Ion Ratio Lower Upper

149 100

91 159.4 59.8 89.8#

206 0.0 17.0 25.6#

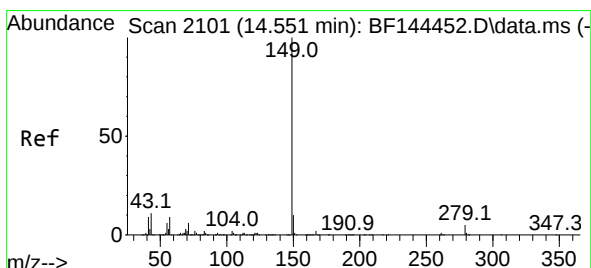
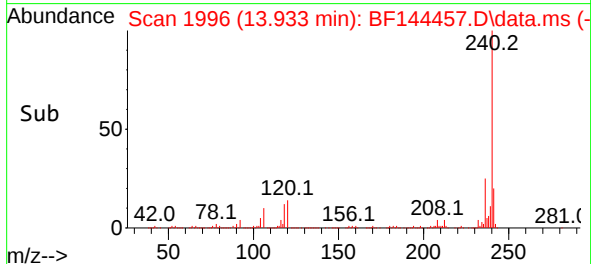
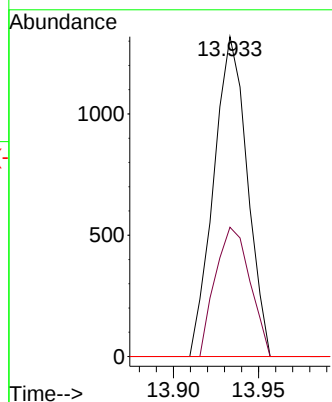
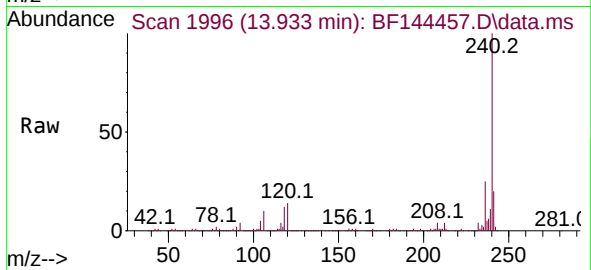




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.009 ng
RT: 13.933 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

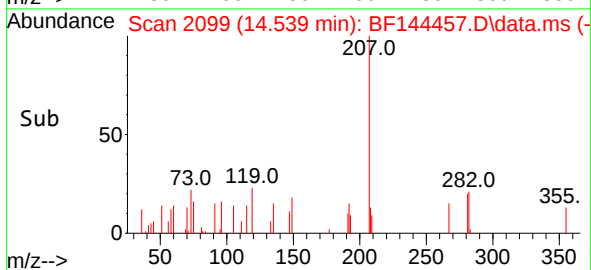
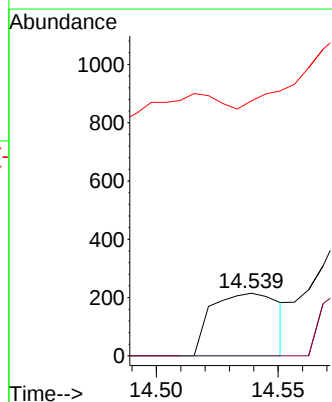
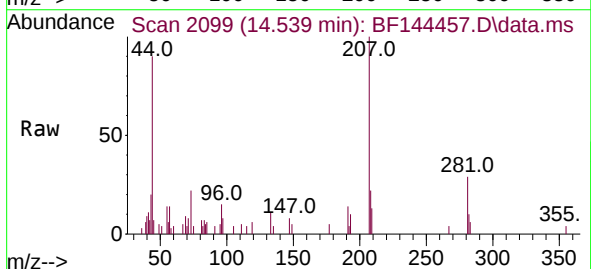
Instrument :
BNA_F
ClientSampleId :
COAN3

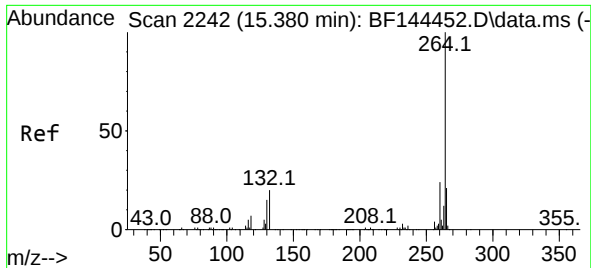
Tgt Ion:149 Resp: 1806
Ion Ratio Lower Upper
149 100
167 40.4 22.6 34.0#
279 0.0 3.7 5.5#



#85
Di-n-octyl phthalate
Concen: 6.516 ng
RT: 14.539 min Scan# 2099
Delta R.T. -0.012 min
Lab File: BF144457.D
Acq: 12 Dec 2025 18:34

Tgt Ion:149 Resp: 412
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: BF144457.D
 Acq: 12 Dec 2025 18:34

Instrument :
 BNA_F
 ClientSampleId :
 COAN3

Tgt Ion:264 Resp: 417856
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.6
 265 21.8 17.1 25.7

