

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121225\
 Data File : BF144456.D
 Acq On : 12 Dec 2025 18:05
 Operator : RC/JU
 Sample : Q3839-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COAN2

Quant Time: Dec 12 23:32:15 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)

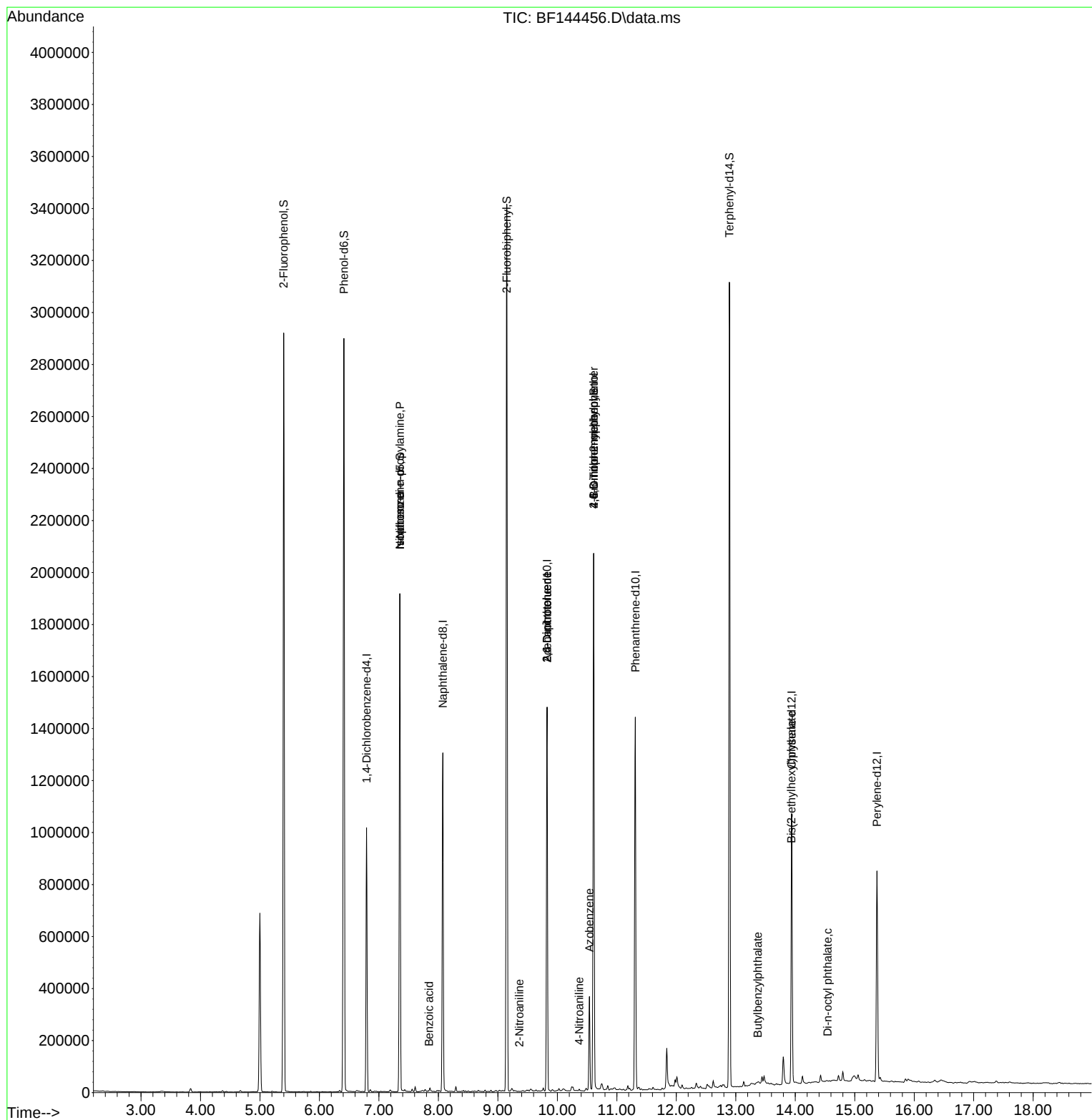
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	203944	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	798756	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	431964	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	712411	20.000	ng	0.00
76) Chrysene-d12	13.939	240	481213	20.000	ng	0.00
86) Perylene-d12	15.374	264	446298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	1101675	81.450	ng	0.00
7) Phenol-d6	6.410	99	1371655	81.302	ng	0.00
23) Nitrobenzene-d5	7.351	82	808596	63.349	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	333710	85.449	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1478834	52.519	ng	0.00
79) Terphenyl-d14	12.892	244	1479339	48.535	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	107158	10.055	ng	# 79
25) Isophorone	7.351	82	800749	27.797	ng	# 65
32) Benzoic acid	7.840	122	352	6.503	ng	# 28
48) 2-Nitroaniline	9.363	65	115	3.647	ng	# 61
51) 2,6-Dinitrotoluene	9.828	165	55556	13.452	ng	# 24
57) 2,4-Dinitrotoluene	9.828	165	55556	10.878	ng	# 21
62) 4-Nitroaniline	10.369	138	53	2.521	ng	# 20
63) Azobenzene	10.539	77	88909	3.042	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	833	7.044	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	21865	2.629	ng	# 1
80) Butylbenzylphthalate	13.369	149	997	3.321	ng	# 45
84) Bis(2-ethylhexyl)phtha...	13.933	149	3627	3.107	ng	# 93
85) Di-n-octyl phthalate	14.545	149	648	6.524	ng	# 1

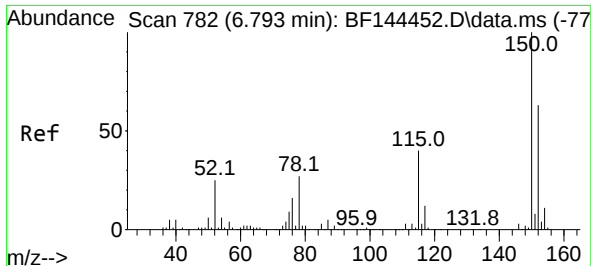
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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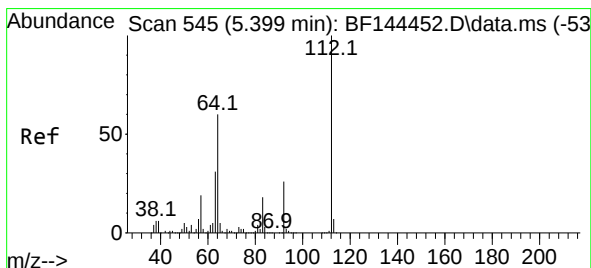
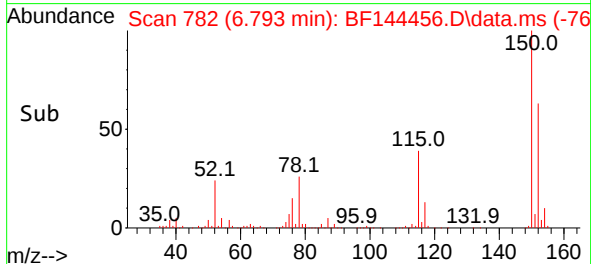
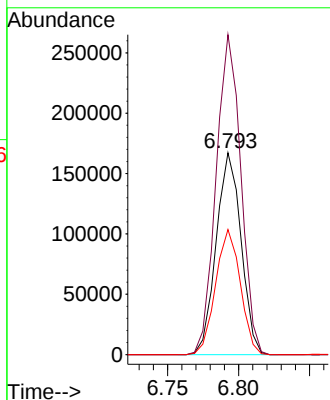
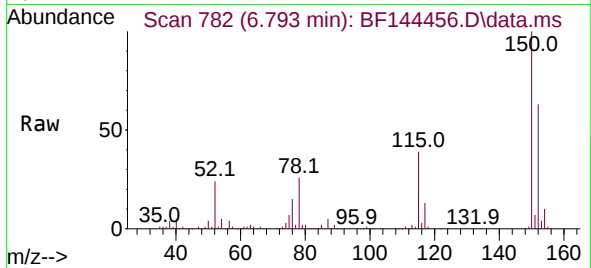




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 782
 Delta R.T. -0.000 min
 Lab File: BF144456.D
 Acq: 12 Dec 2025 18:05

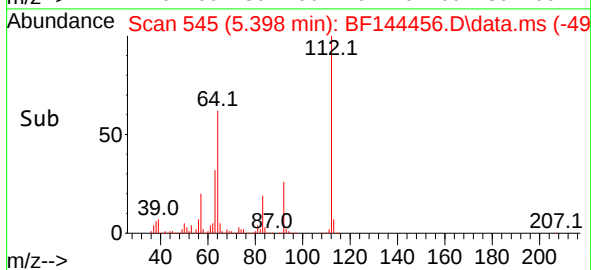
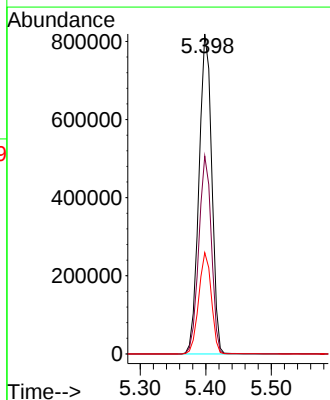
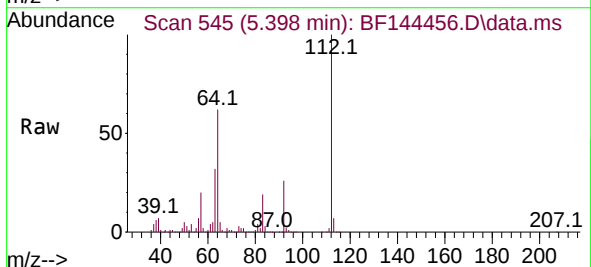
Instrument :
 BNA_F
 ClientSampleId :
 COAN2

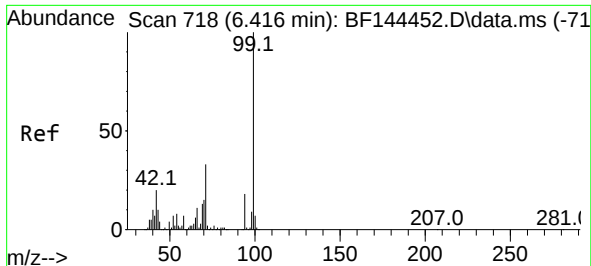
Tgt Ion:152 Resp: 203944
 Ion Ratio Lower Upper
 152 100
 150 158.5 127.4 191.2
 115 61.9 51.4 77.0



#5
 2-Fluorophenol
 Concen: 81.450 ng
 RT: 5.398 min Scan# 545
 Delta R.T. -0.000 min
 Lab File: BF144456.D
 Acq: 12 Dec 2025 18:05

Tgt Ion:112 Resp: 1101675
 Ion Ratio Lower Upper
 112 100
 64 61.8 47.8 71.6
 63 31.6 24.6 37.0

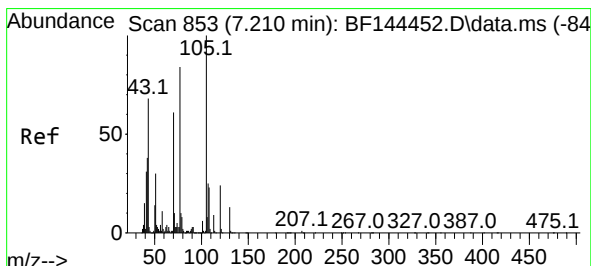
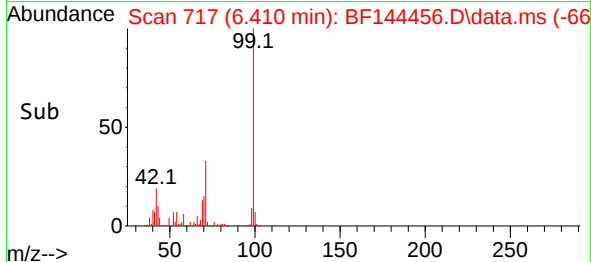
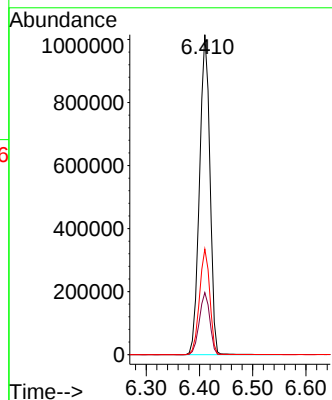
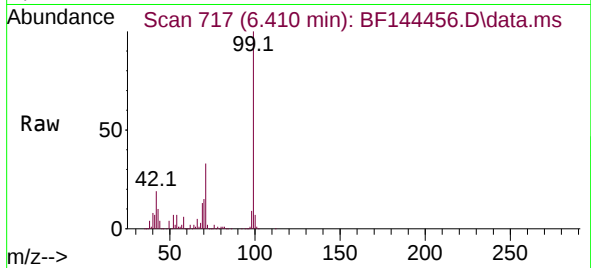




#7
Phenol-d6
Concen: 81.302 ng
RT: 6.410 min Scan# 718
Delta R.T. -0.006 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

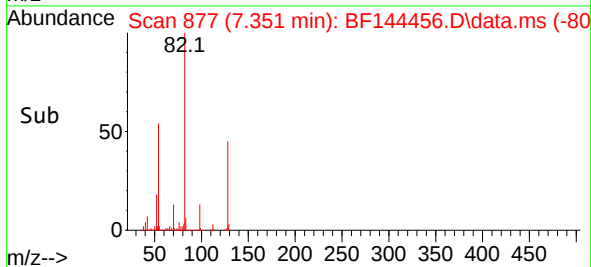
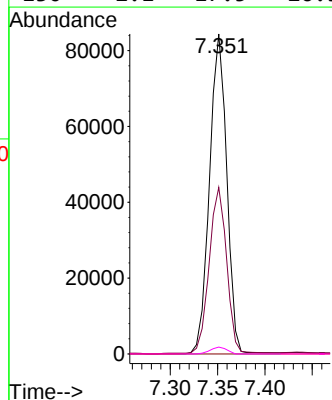
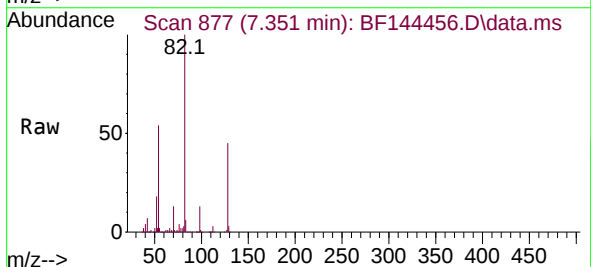
Instrument :
BNA_F
ClientSampleId :
COAN2

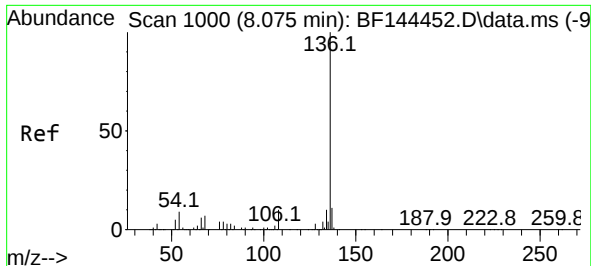
Tgt Ion: 99 Resp: 1371655
Ion Ratio Lower Upper
99 100
42 19.4 15.7 23.5
71 33.0 26.4 39.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.055 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

Tgt Ion: 70 Resp: 107158
Ion Ratio Lower Upper
70 100
42 52.0 49.4 74.0
101 0.0 7.8 11.6#
130 2.1 17.5 26.3#

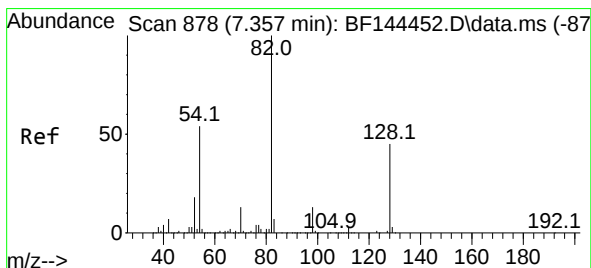
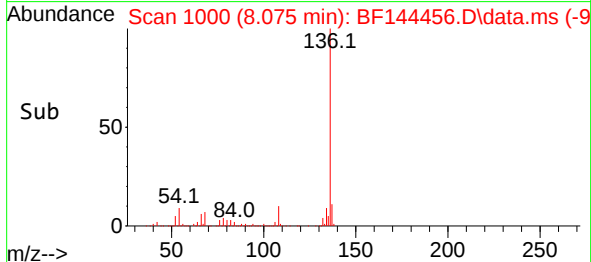
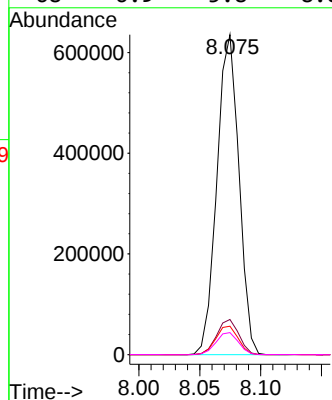
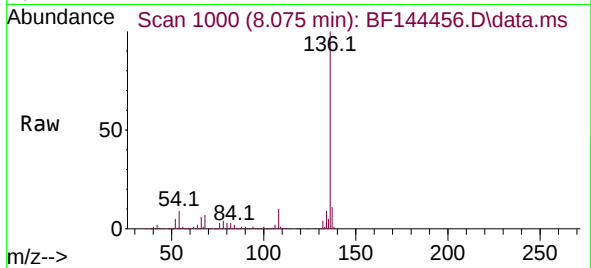




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

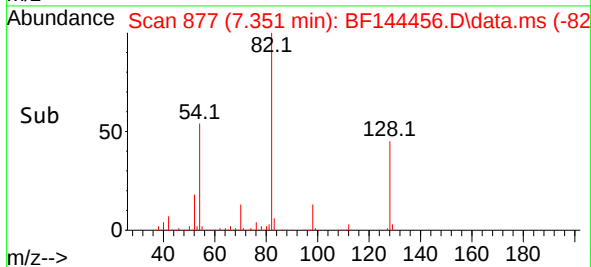
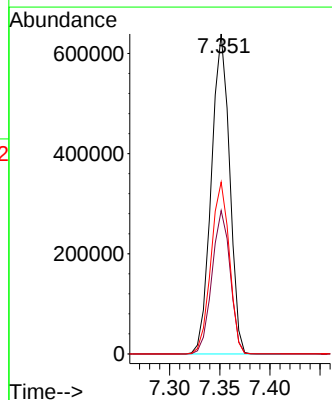
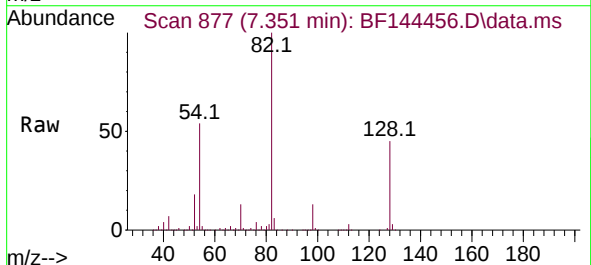
Instrument :
BNA_F
ClientSampleId :
COAN2

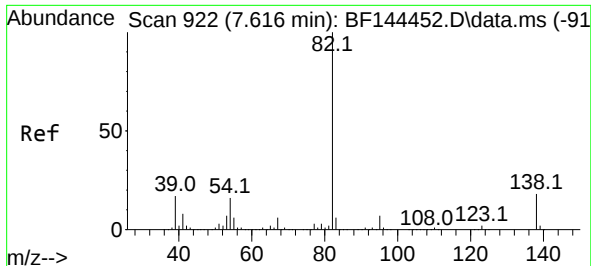
Tgt Ion:	136	Resp:	798756
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.9	7.5	11.3
68	6.9	5.8	8.8



#23
Nitrobenzene-d5
Concen: 63.349 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

Tgt Ion:	82	Resp:	808596
Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.5	53.3
54	53.7	43.3	64.9

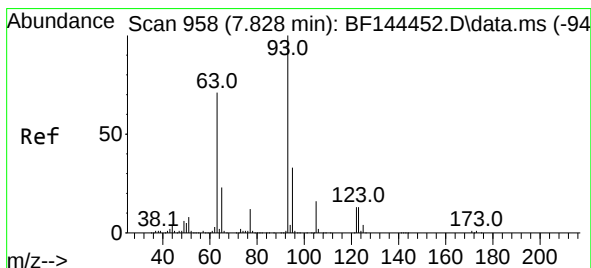
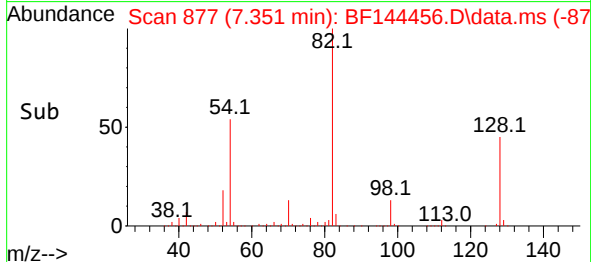
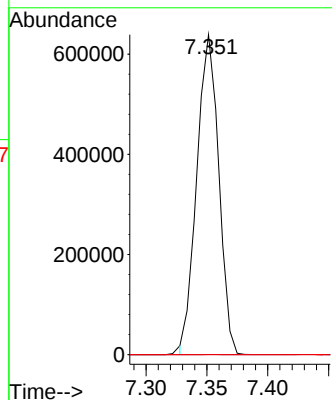
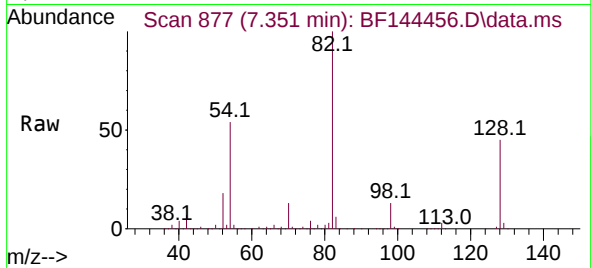




#25
Isophorone
Concen: 27.797 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

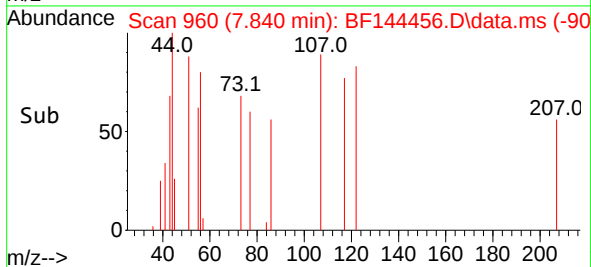
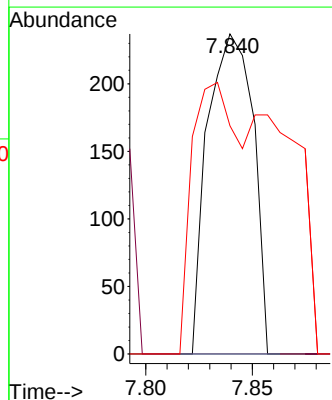
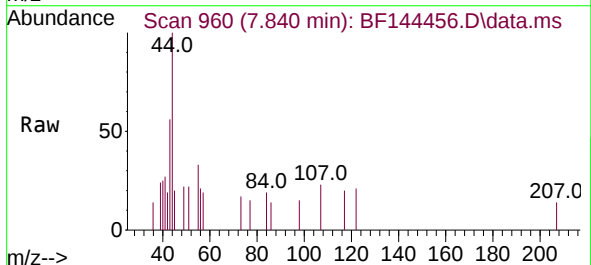
Instrument :
BNA_F
ClientSampleId :
COAN2

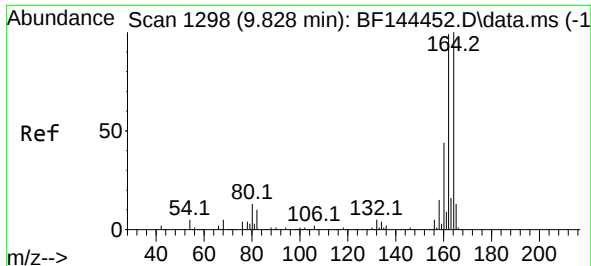
Tgt Ion: 82 Resp: 800749
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.4 21.6#



#32
Benzoic acid
Concen: 6.503 ng
RT: 7.840 min Scan# 960
Delta R.T. 0.011 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

Tgt Ion: 122 Resp: 352
Ion Ratio Lower Upper
122 100
105 0.0 103.2 143.2#
77 71.3 75.1 115.1#

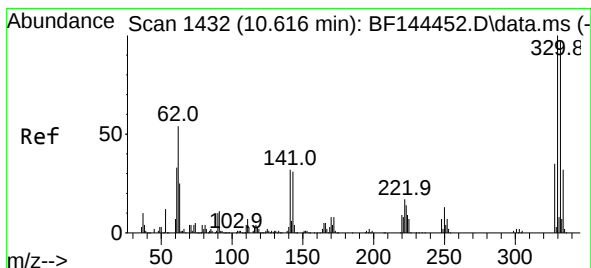
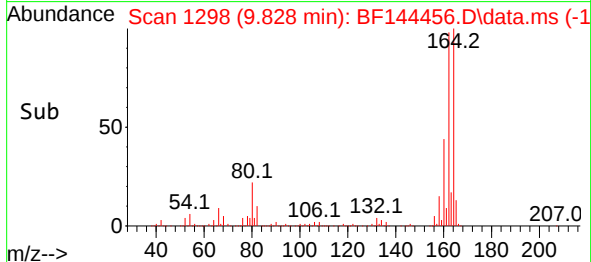
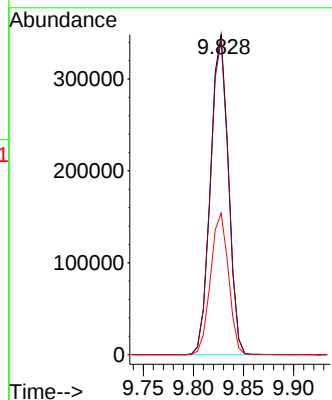
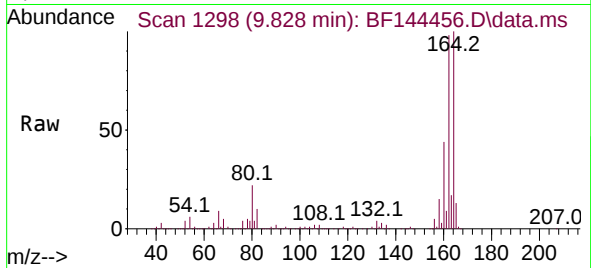




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

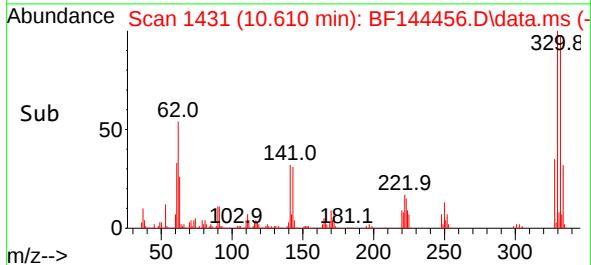
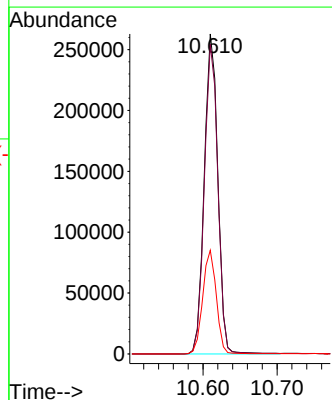
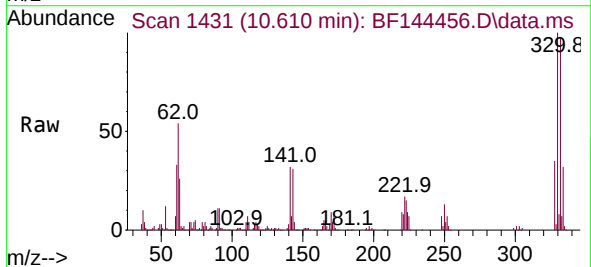
Instrument :
BNA_F
ClientSampleId :
COAN2

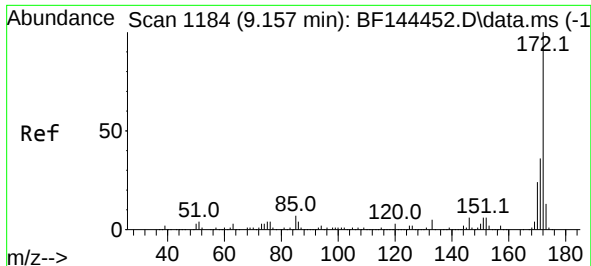
Tgt Ion:164 Resp: 431964
Ion Ratio Lower Upper
164 100
162 98.2 79.2 118.8
160 44.2 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 85.449 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

Tgt Ion:330 Resp: 333710
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 32.4 26.2 39.2

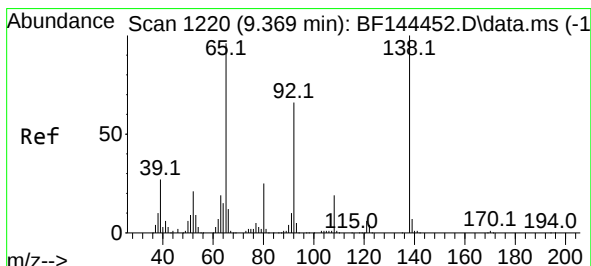
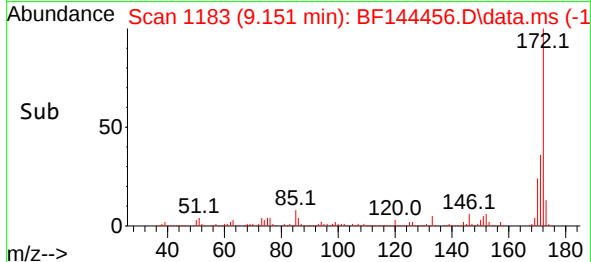
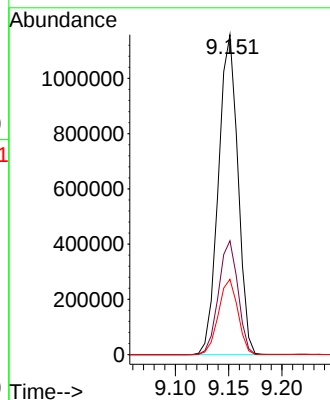
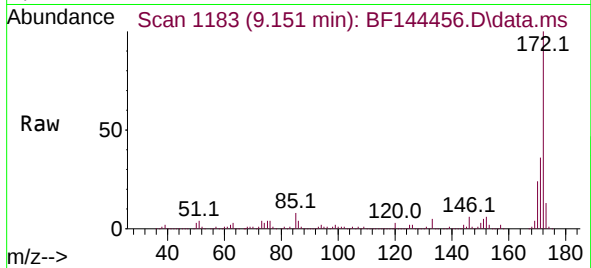




#45
2-Fluorobiphenyl
Concen: 52.519 ng
RT: 9.151 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

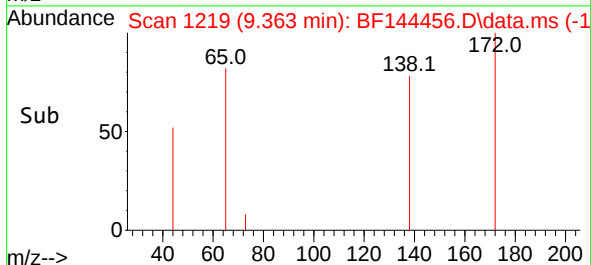
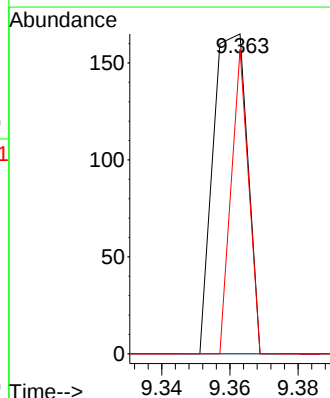
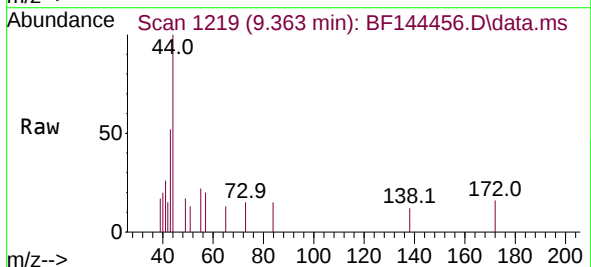
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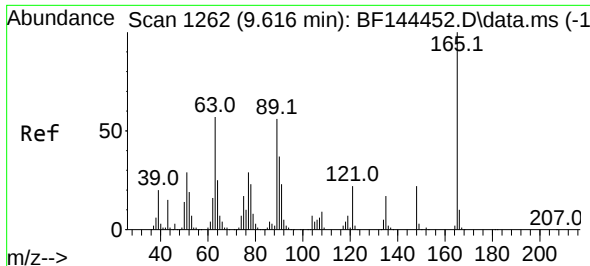
Tgt Ion:172 Resp: 1478834
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.5 19.3 28.9



#48
2-Nitroaniline
Concen: 3.647 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

Tgt Ion: 65 Resp: 115
Ion Ratio Lower Upper
65 100
92 0.0 55.0 82.4#
138 95.2 83.4 125.2

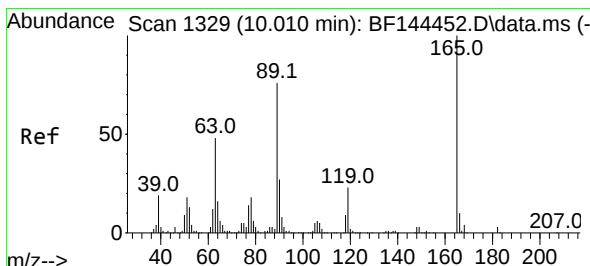
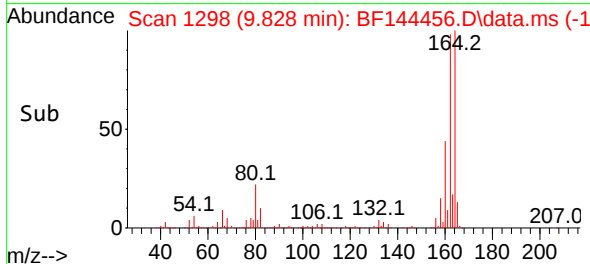
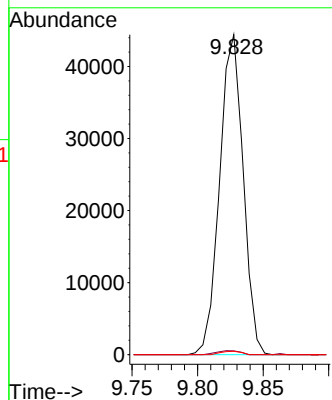
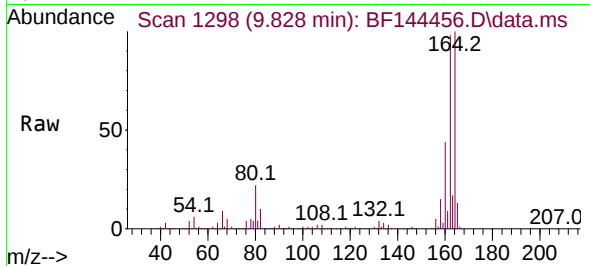




#51
2,6-Dinitrotoluene
Concen: 13.452 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.212 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

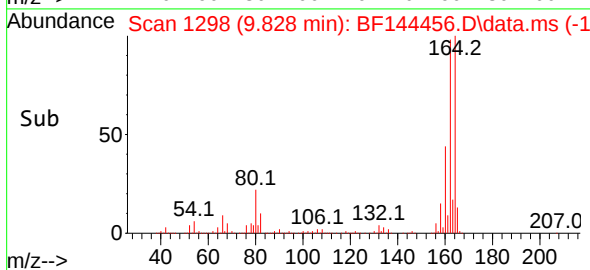
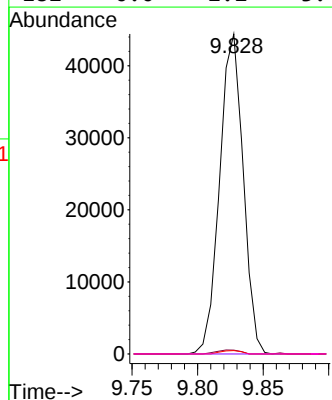
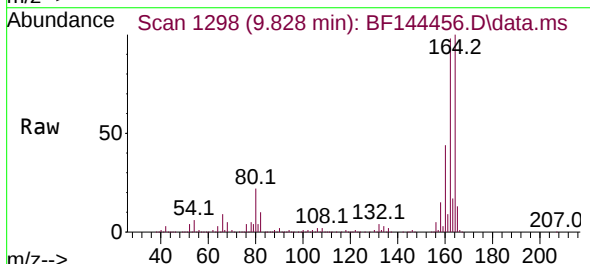
Instrument :
BNA_F
ClientSampleId :
COAN2

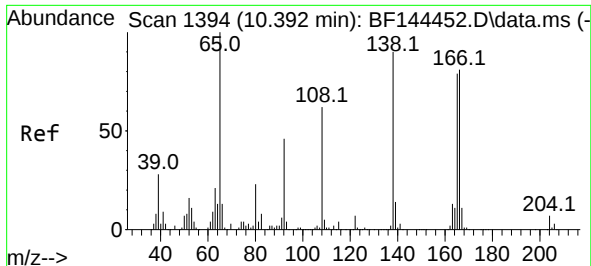
Tgt Ion:165 Resp: 55556
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.0 44.6 67.0#



#57
2,4-Dinitrotoluene
Concen: 10.878 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.182 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

Tgt Ion:165 Resp: 55556
Ion Ratio Lower Upper
165 100
63 1.2 38.2 57.4#
89 1.0 61.2 91.8#
182 0.0 2.2 3.4#





#62

4-Nitroaniline

Concen: 2.521 ng

RT: 10.369 min Scan# 1419

Delta R.T. -0.023 min

Lab File: BF144456.D

Acq: 12 Dec 2025 18:05

Instrument :

BNA_F

ClientSampleId :

COAN2

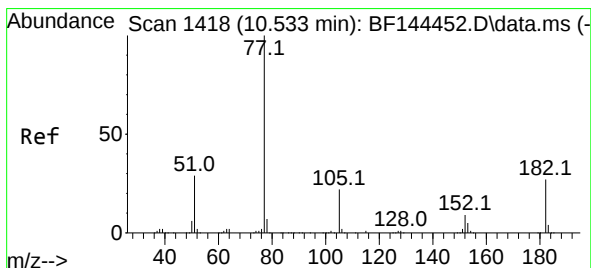
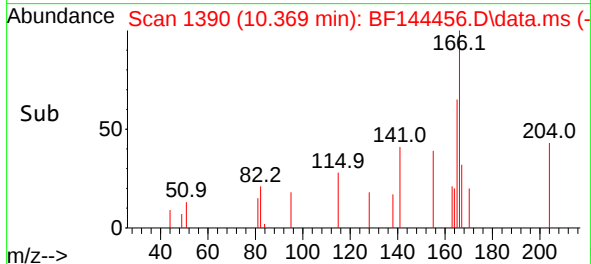
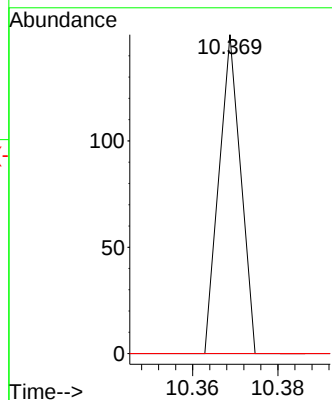
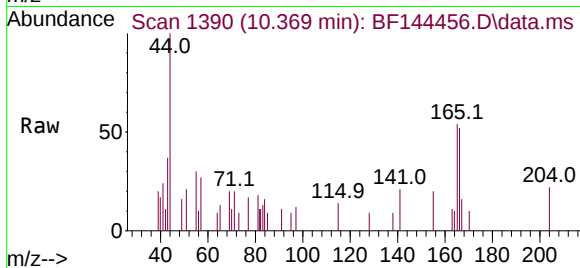
Tgt Ion:138 Resp: 53

Ion Ratio Lower Upper

138 100

92 0.0 30.8 70.8#

108 0.0 49.2 89.2#



#63

Azobenzene

Concen: 3.042 ng

RT: 10.539 min Scan# 1419

Delta R.T. 0.006 min

Lab File: BF144456.D

Acq: 12 Dec 2025 18:05

Tgt Ion: 77 Resp: 88909

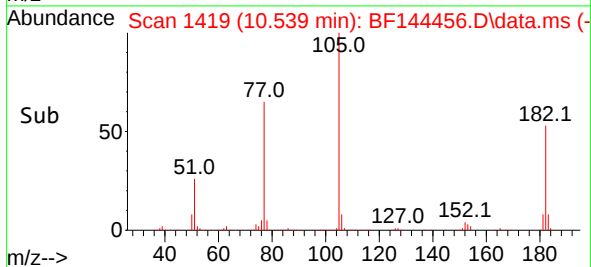
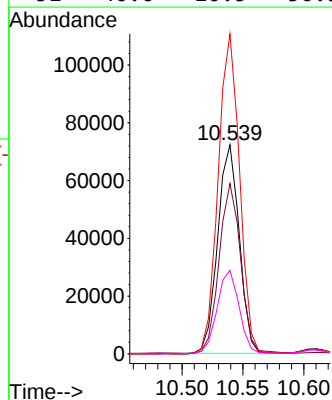
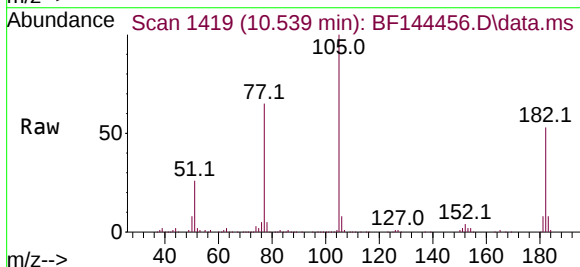
Ion Ratio Lower Upper

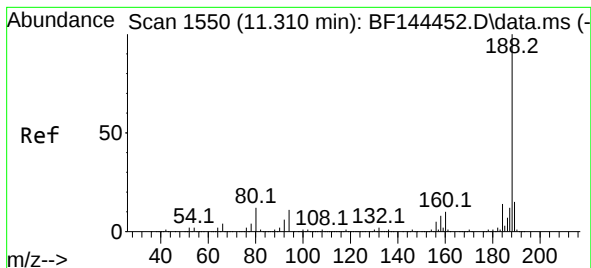
77 100

182 81.5 6.1 46.1#

105 153.1 1.5 41.5#

51 40.0 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: BF144456.D

Acq: 12 Dec 2025 18:05

Instrument :

BNA_F

ClientSampleId :

COAN2

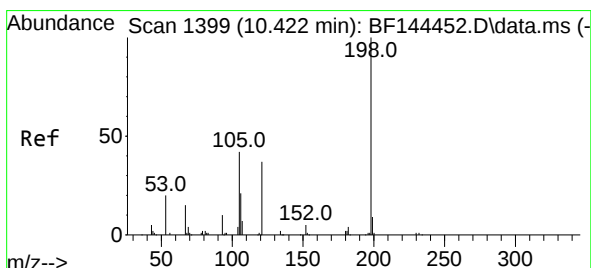
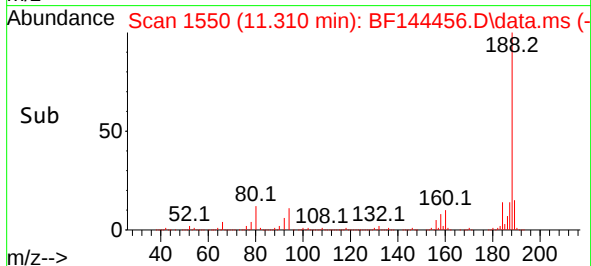
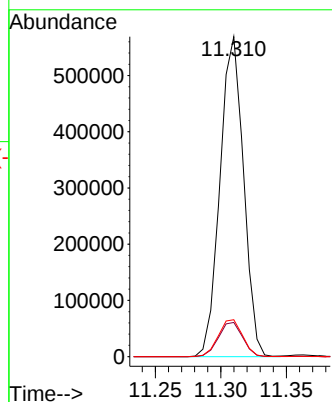
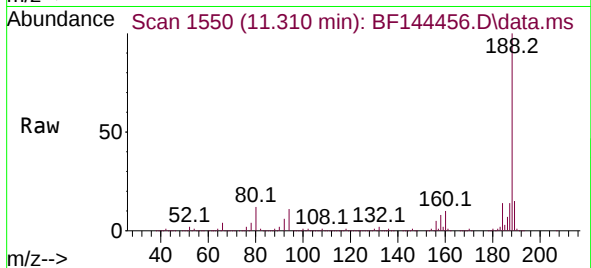
Tgt Ion:188 Resp: 712411

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.6

80 11.5 9.8 14.8



#65

4,6-Dinitro-2-methylphenol

Concen: 7.044 ng

RT: 10.610 min Scan# 1431

Delta R.T. 0.188 min

Lab File: BF144456.D

Acq: 12 Dec 2025 18:05

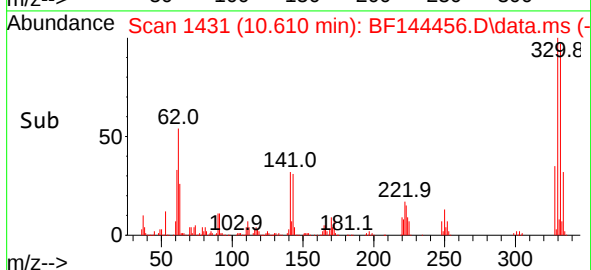
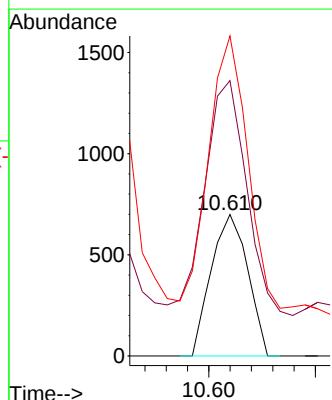
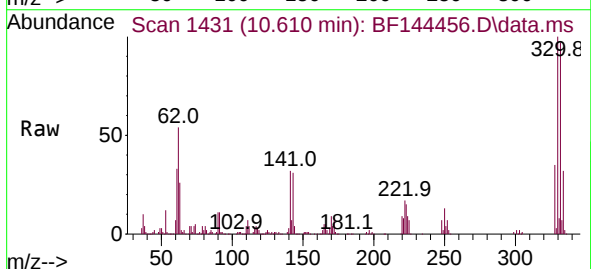
Tgt Ion:198 Resp: 833

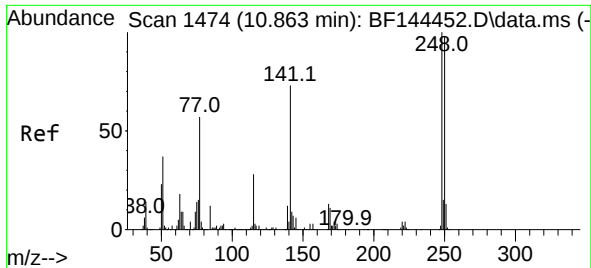
Ion Ratio Lower Upper

198 100

51 194.7 25.5 65.5#

105 226.3 23.4 63.4#

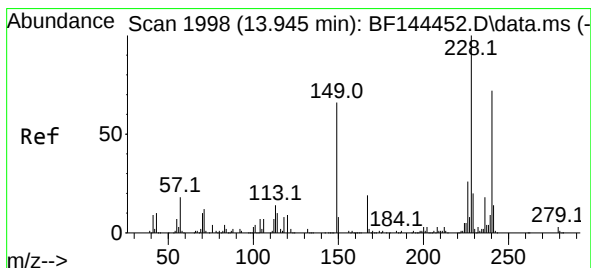
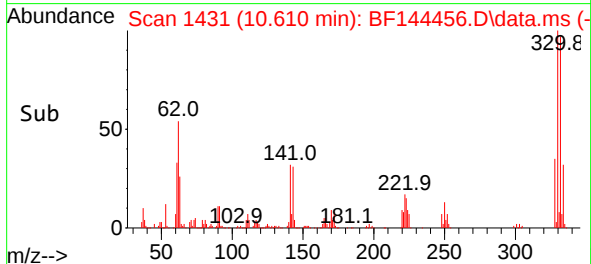
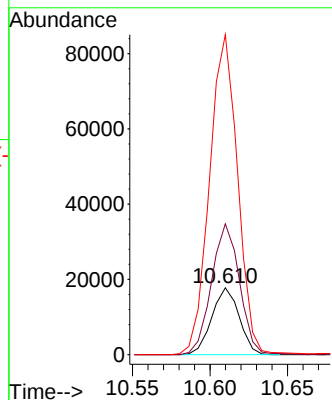
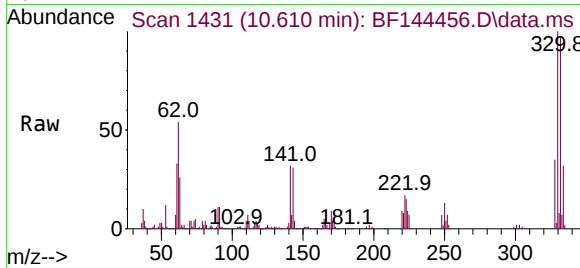




#67
4-Bromophenyl-phenylether
Concen: 2.629 ng
RT: 10.610 min Scan# 1474
Delta R.T. -0.253 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

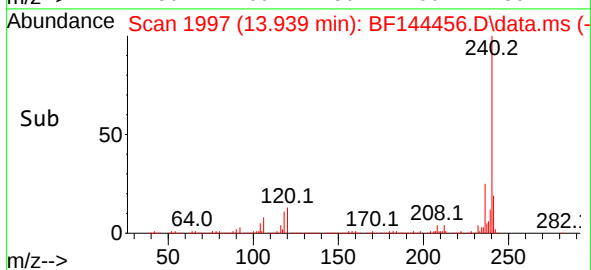
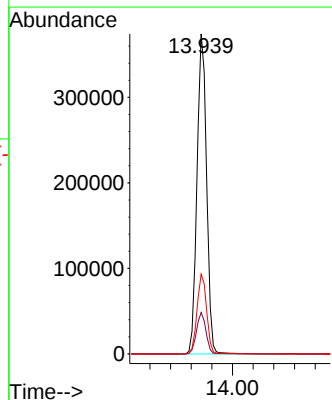
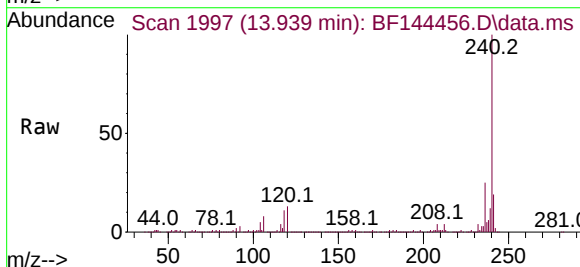
Instrument :
BNA_F
ClientSampleId :
COAN2

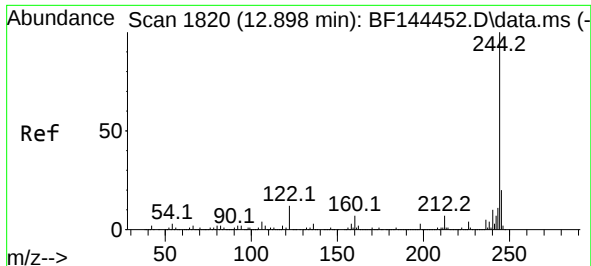
Tgt Ion:248 Resp: 21865
Ion Ratio Lower Upper
248 100
250 195.7 78.2 117.4#
141 478.7 58.5 87.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

Tgt Ion:240 Resp: 481213
Ion Ratio Lower Upper
240 100
120 12.9 10.3 15.5
236 24.9 20.2 30.4

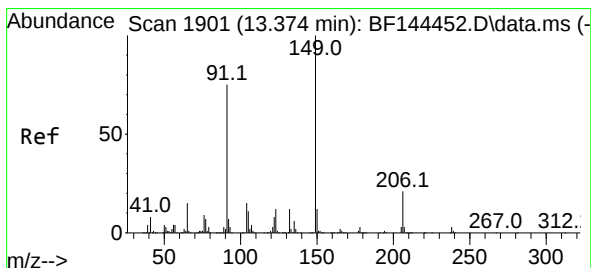
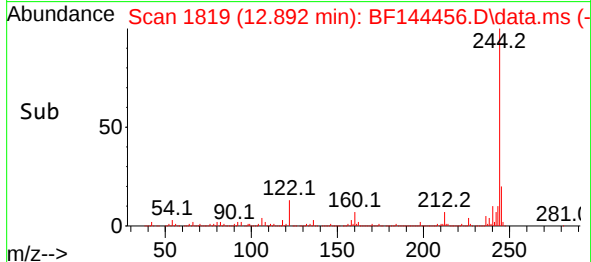
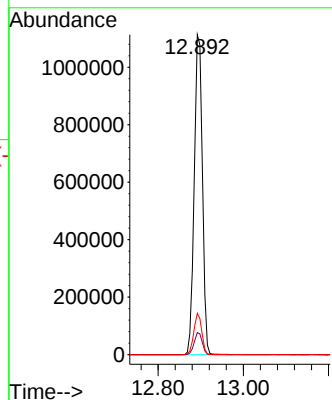
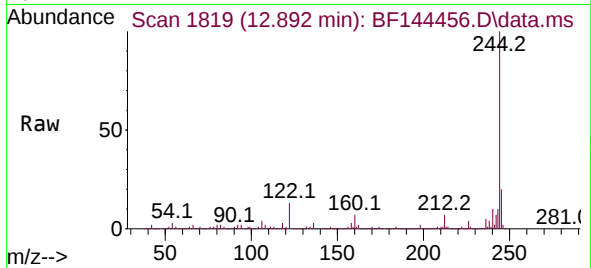




#79
 Terphenyl-d14
 Concen: 48.535 ng
 RT: 12.892 min Scan# 1820
 Delta R.T. -0.006 min
 Lab File: BF144456.D
 Acq: 12 Dec 2025 18:05

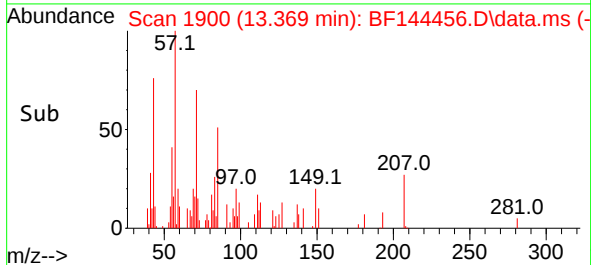
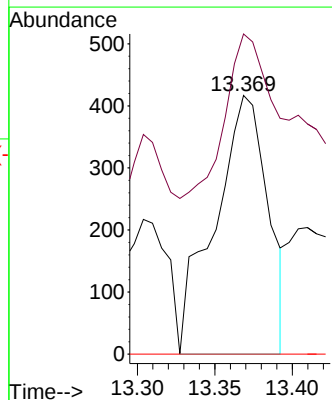
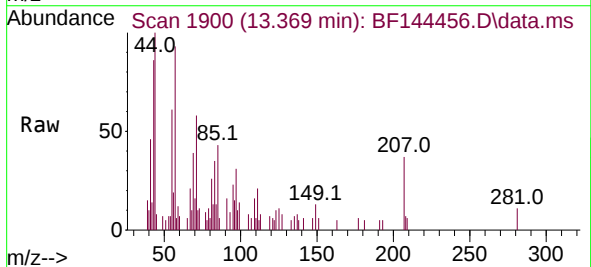
Instrument :
 BNA_F
 ClientSampleId :
 COAN2

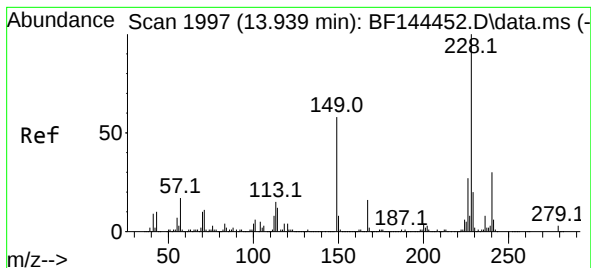
Tgt Ion:244 Resp: 1479339
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 12.9 9.9 14.9



#80
 Butylbenzylphthalate
 Concen: 3.321 ng
 RT: 13.369 min Scan# 1900
 Delta R.T. -0.005 min
 Lab File: BF144456.D
 Acq: 12 Dec 2025 18:05

Tgt Ion:149 Resp: 997
 Ion Ratio Lower Upper
 149 100
 91 123.7 59.8 89.8#
 206 0.0 17.0 25.6#

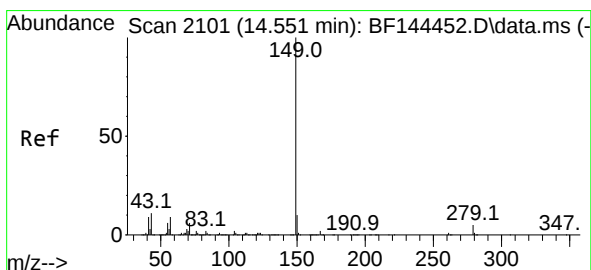
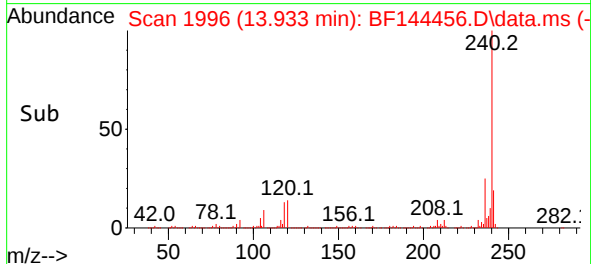
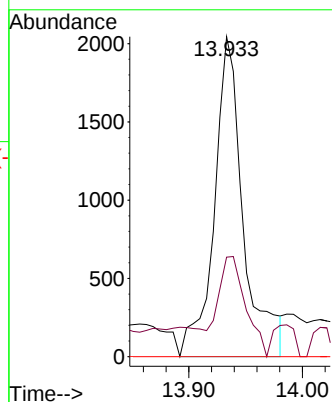
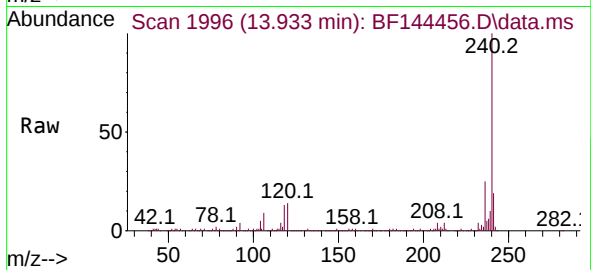




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.107 ng
RT: 13.933 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

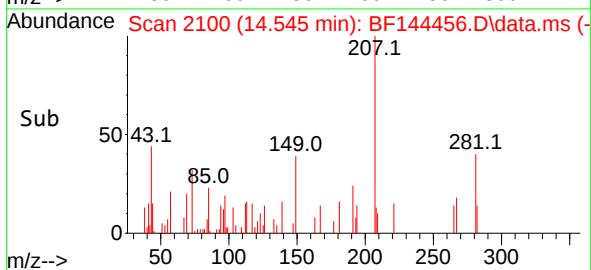
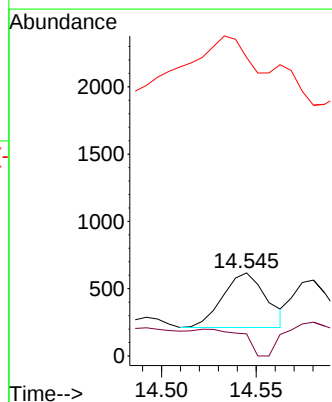
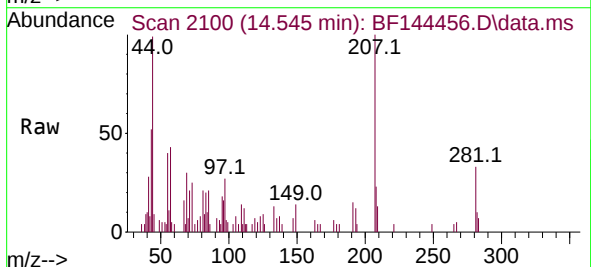
Instrument :
BNA_F
ClientSampleId :
COAN2

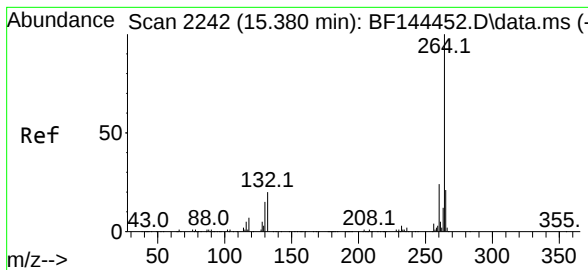
Tgt Ion:149 Resp: 3627
Ion Ratio Lower Upper
149 100
167 31.1 22.6 34.0
279 0.0 3.7 5.5#



#85
Di-n-octyl phthalate
Concen: 6.524 ng
RT: 14.545 min Scan# 2100
Delta R.T. -0.006 min
Lab File: BF144456.D
Acq: 12 Dec 2025 18:05

Tgt Ion:149 Resp: 648
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 353.4 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: BF144456.D
 Acq: 12 Dec 2025 18:05

Instrument :
 BNA_F
 ClientSampleId :
 C0AN2

Tgt Ion:264 Resp: 446298
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 21.6 17.1 25.7

