

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121225\
 Data File : BF144461.D
 Acq On : 12 Dec 2025 20:32
 Operator : RC/JU
 Sample : Q3839-15
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0AS4

Quant Time: Dec 12 23:34:11 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)

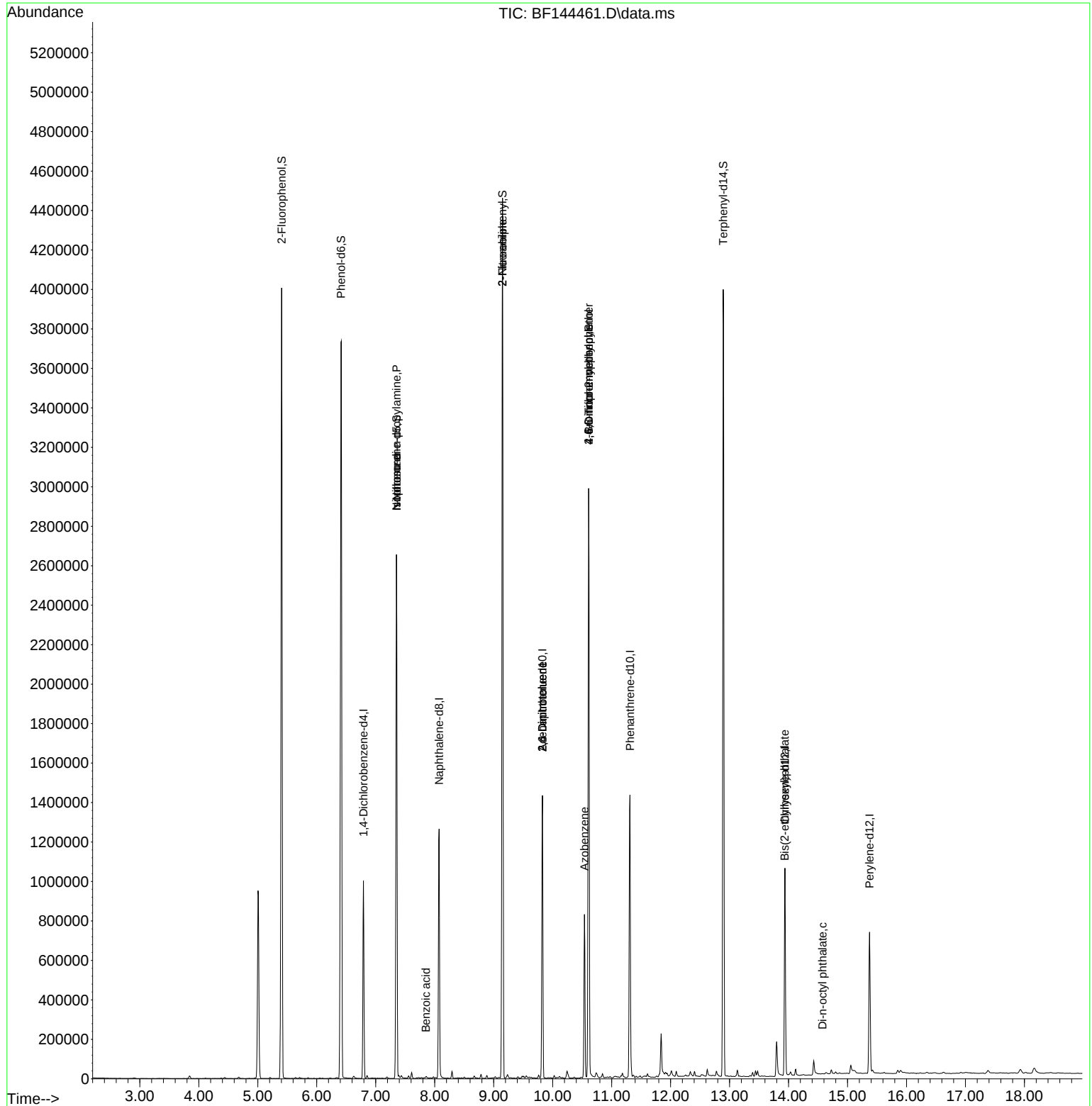
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	201476	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	796398	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	423572	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	721907	20.000	ng	0.00
76) Chrysene-d12	13.939	240	468002	20.000	ng	0.00
86) Perylene-d12	15.374	264	400019	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1581562	118.361	ng	0.00
7) Phenol-d6	6.410	99	1983719	119.022	ng	0.00
23) Nitrobenzene-d5	7.351	82	1178016	92.564	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	516373	134.841	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1961849	71.053	ng	0.00
79) Terphenyl-d14	12.892	244	1937298	65.354	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.351	70	160759	15.270	ng	# 78
25) Isophorone	7.351	82	1164645	40.549	ng	# 65
32) Benzoic acid	7.851	122	632	6.534	ng	# 20
48) 2-Nitroaniline	9.151	65	3574	4.089	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	54764	13.503	ng	# 24
57) 2,4-Dinitrotoluene	9.828	165	54764	10.915	ng	# 21
63) Azobenzene	10.539	77	207649	7.246	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	1055	7.104	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	33553	3.981	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.933	149	17453	3.899	ng	99
85) Di-n-octyl phthalate	14.574	149	681	6.525	ng	# 73

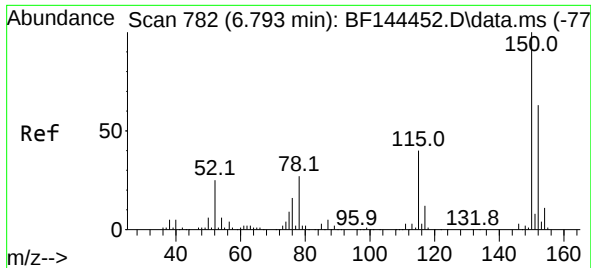
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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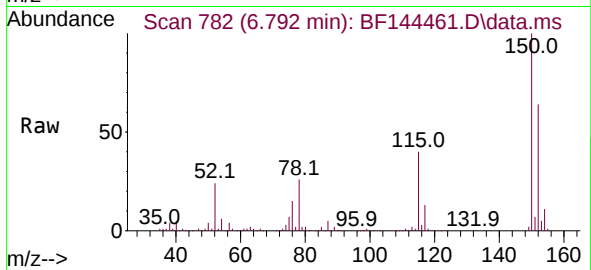
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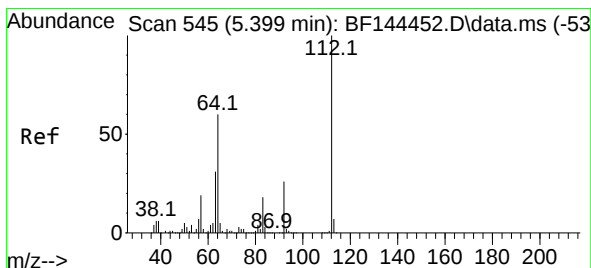
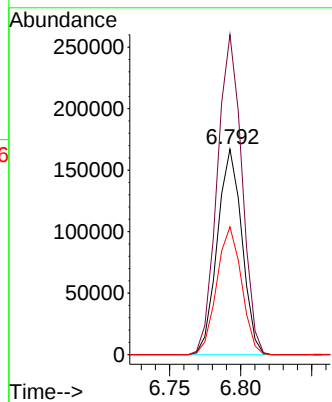
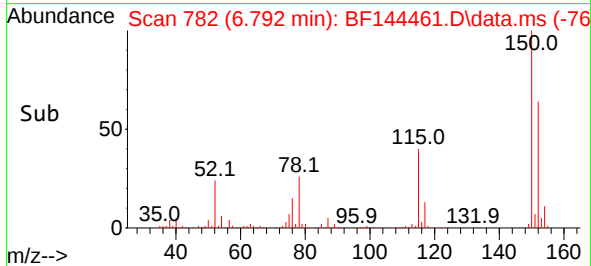


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 782
Delta R.T. -0.001 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

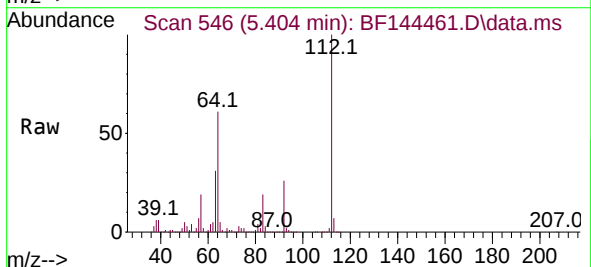
Instrument :
BNA_F
ClientSampleId :
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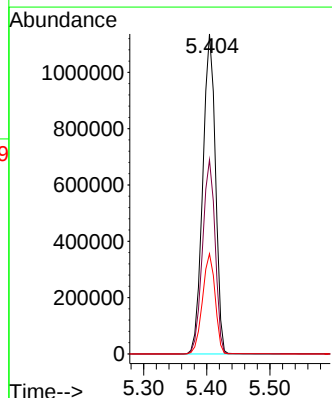
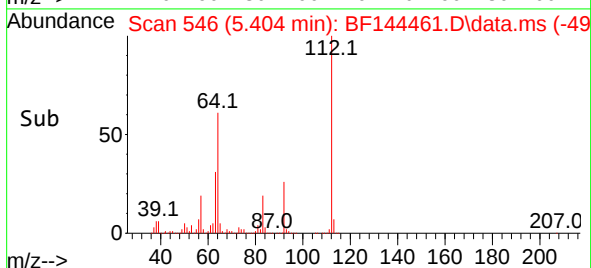
Tgt Ion:152 Resp: 201476
Ion Ratio Lower Upper
152 100
150 155.8 127.4 191.2
115 62.2 51.4 77.0

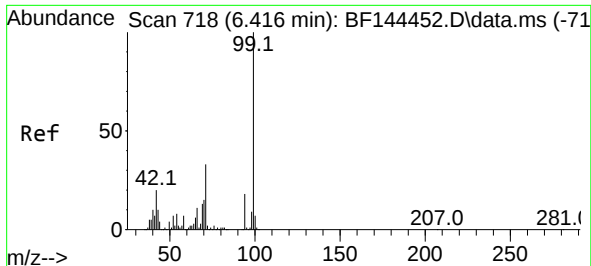


#5
2-Fluorophenol
Concen: 118.361 ng
RT: 5.404 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32



Tgt Ion:112 Resp: 1581562
Ion Ratio Lower Upper
112 100
64 60.6 47.8 71.6
63 31.3 24.6 37.0

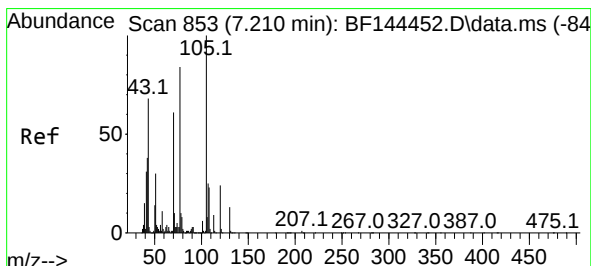
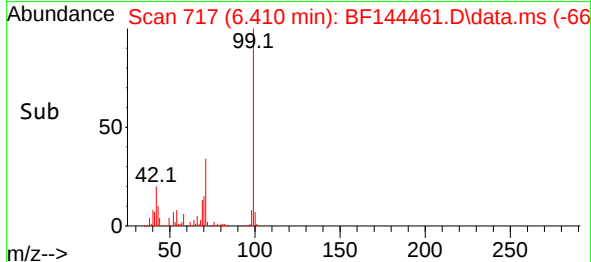
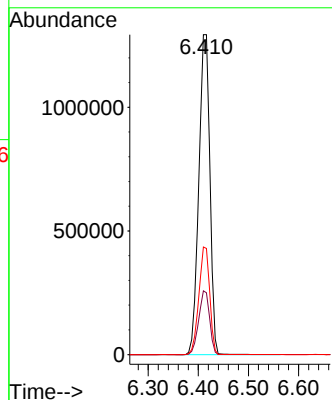
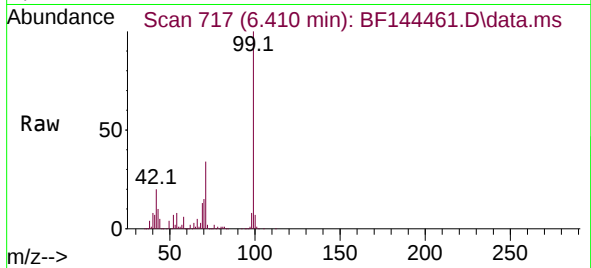




#7
Phenol-d6
Concen: 119.022 ng
RT: 6.410 min Scan# 718
Delta R.T. -0.006 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

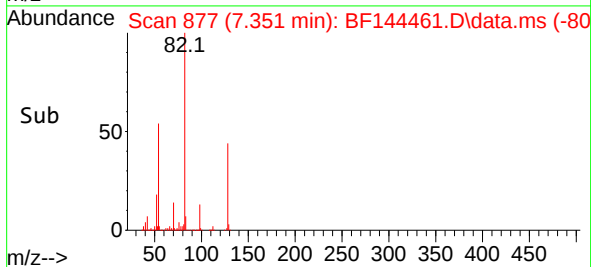
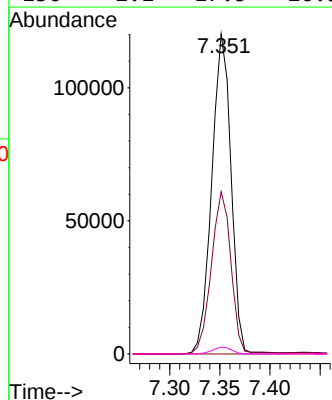
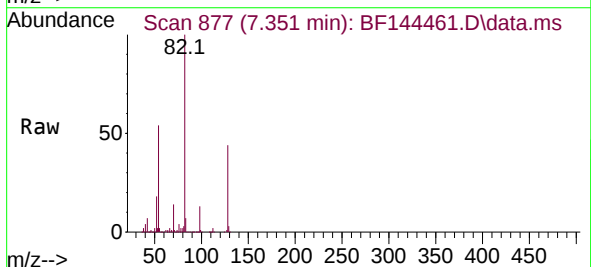
Instrument :
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ClientSampleId :
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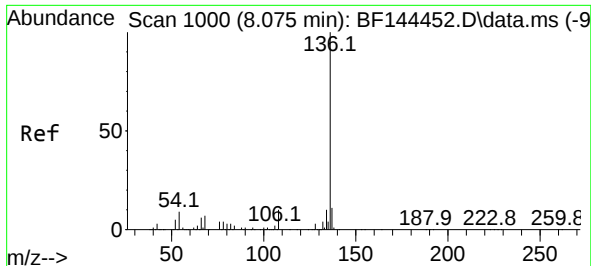
Tgt Ion: 99 Resp: 1983719
Ion Ratio Lower Upper
99 100
42 19.9 15.7 23.5
71 33.6 26.4 39.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.270 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

Tgt Ion: 70 Resp: 160759
Ion Ratio Lower Upper
70 100
42 50.7 49.4 74.0
101 0.0 7.8 11.6#
130 2.1 17.5 26.3#

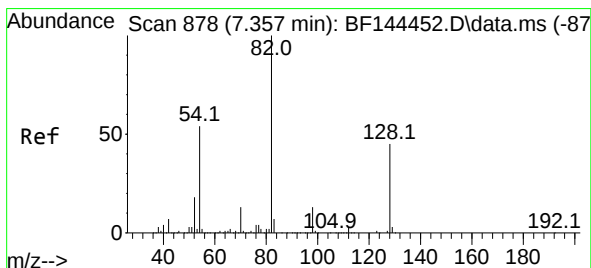
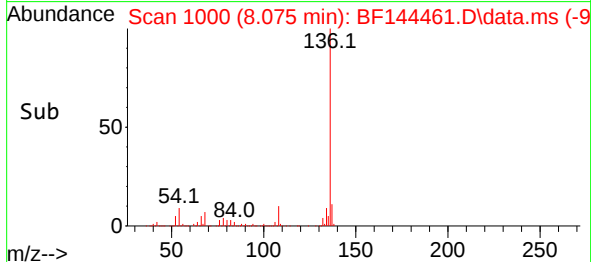
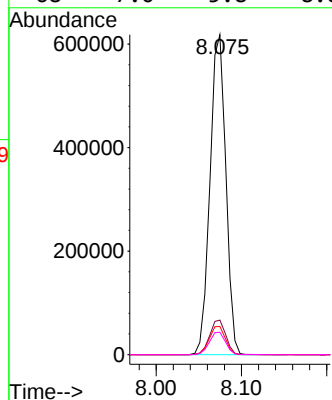
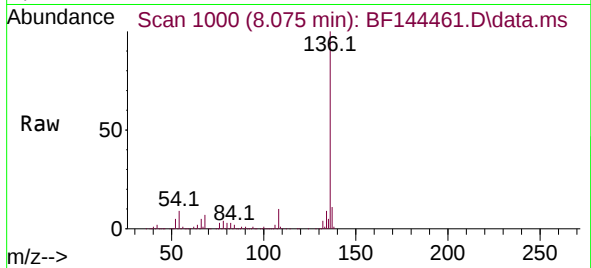




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

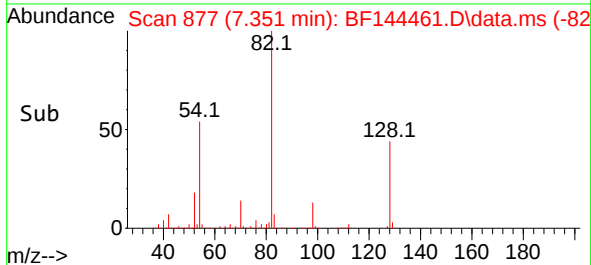
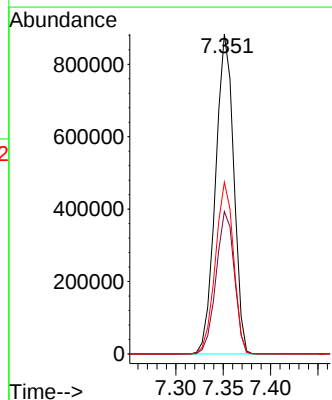
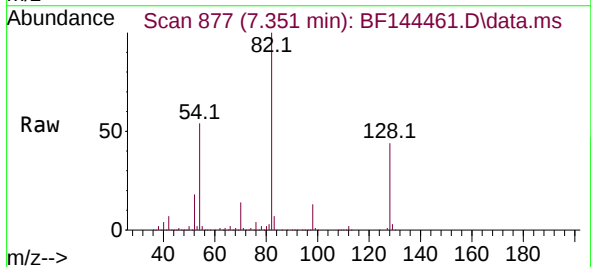
Instrument :
BNA_F
ClientSampleId :
C0AS4

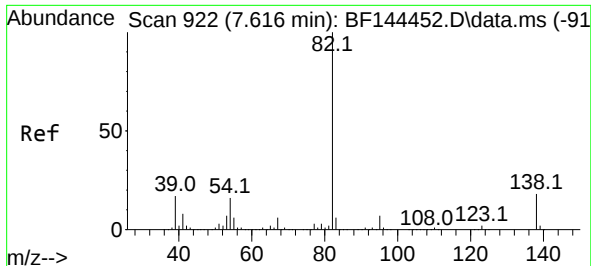
Tgt Ion:	136	Resp:	796398
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.8	7.5	11.3
68	7.0	5.8	8.8



#23
Nitrobenzene-d5
Concen: 92.564 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

Tgt Ion:	82	Resp:	1178016
Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.5	53.3
54	53.7	43.3	64.9

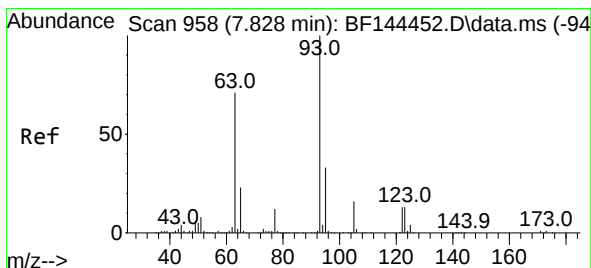
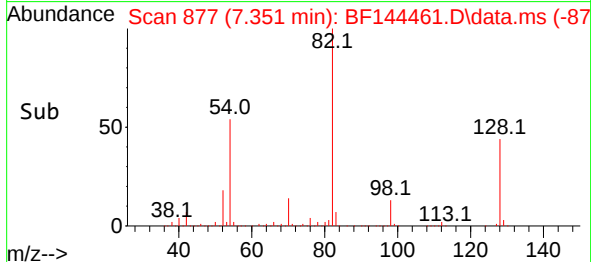
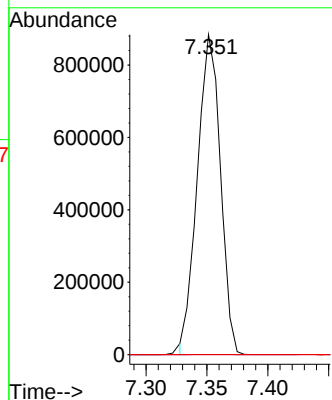
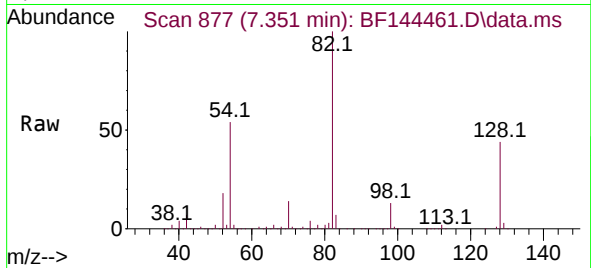




#25
Isophorone
Concen: 40.549 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

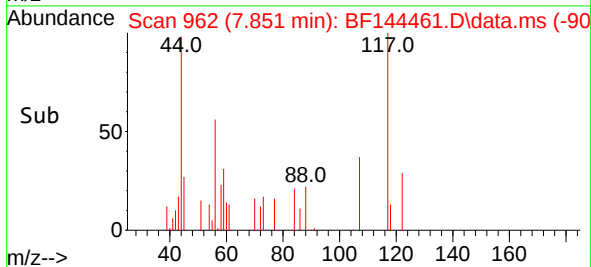
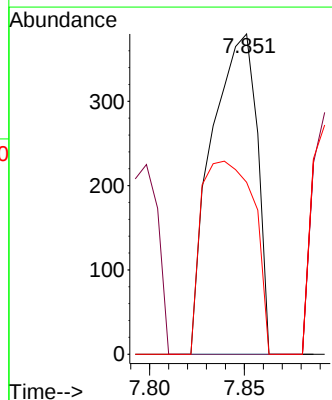
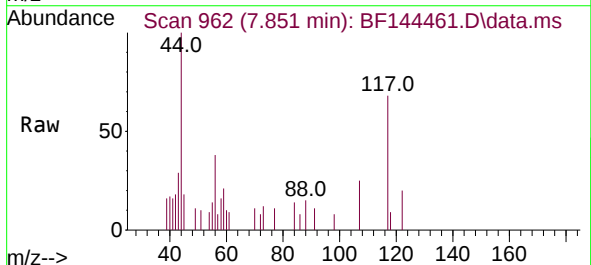
Instrument :
BNA_F
ClientSampleId :
C0AS4

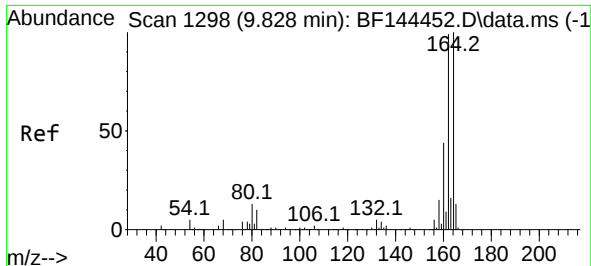
Tgt Ion: 82 Resp: 1164645
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.4 21.6#



#32
Benzoic acid
Concen: 6.534 ng
RT: 7.851 min Scan# 962
Delta R.T. 0.023 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

Tgt Ion:122 Resp: 632
Ion Ratio Lower Upper
122 100
105 0.0 103.2 143.2#
77 53.7 75.1 115.1#

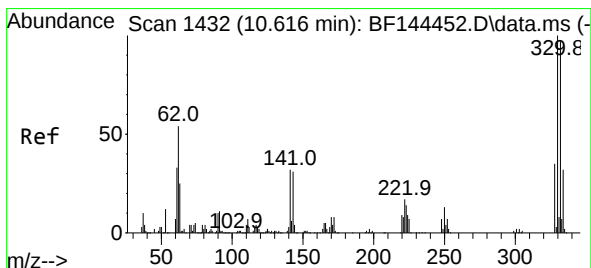
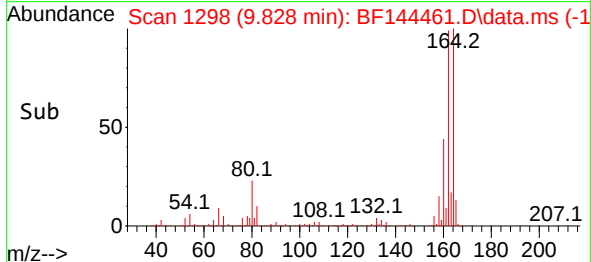
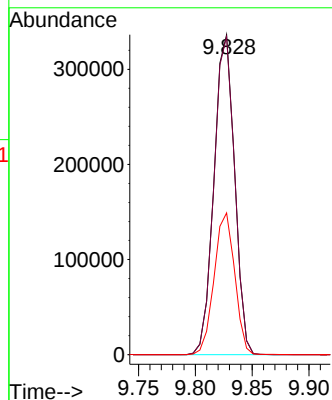
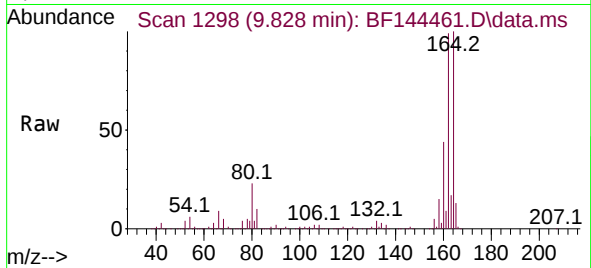




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

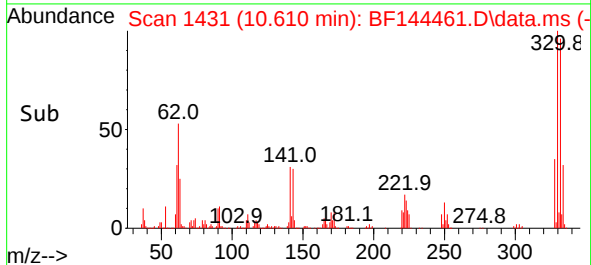
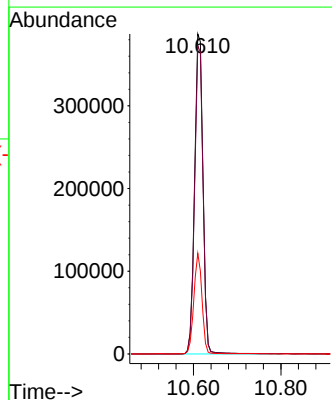
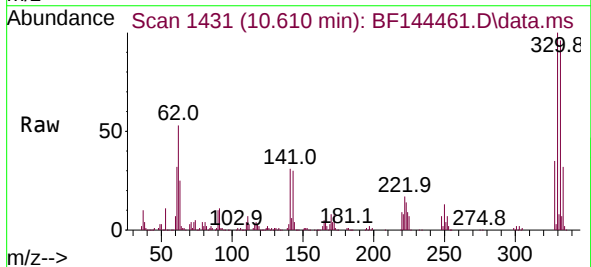
Instrument :
BNA_F
ClientSampleId :
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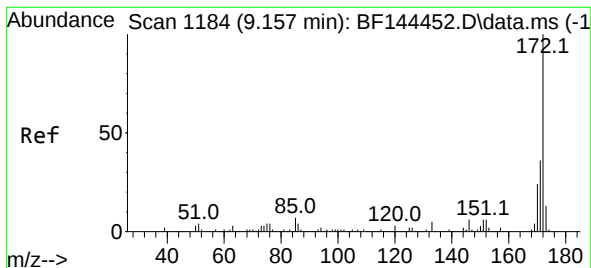
Tgt Ion:164 Resp: 423572
Ion Ratio Lower Upper
164 100
162 99.4 79.2 118.8
160 44.3 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 134.841 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

Tgt Ion:330 Resp: 516373
Ion Ratio Lower Upper
330 100
332 96.1 77.5 116.3
141 30.5 26.2 39.2





#45

2-Fluorobiphenyl

Concen: 71.053 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF144461.D

Acq: 12 Dec 2025 20:32

Instrument :

BNA_F

ClientSampleId :

C0AS4

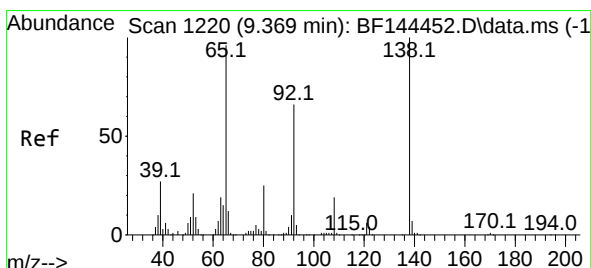
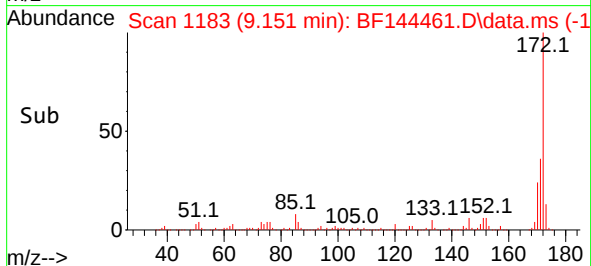
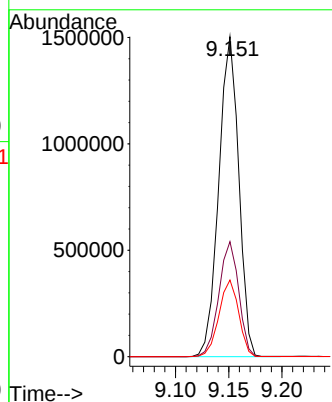
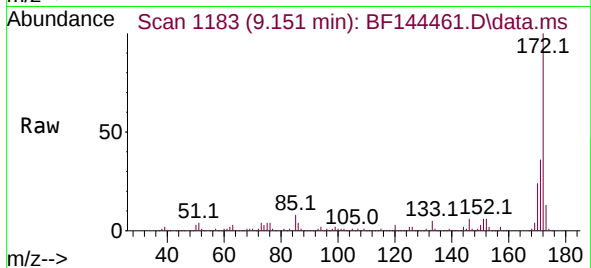
Tgt Ion:172 Resp: 1961849

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.9 19.3 28.9



#48

2-Nitroaniline

Concen: 4.089 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.218 min

Lab File: BF144461.D

Acq: 12 Dec 2025 20:32

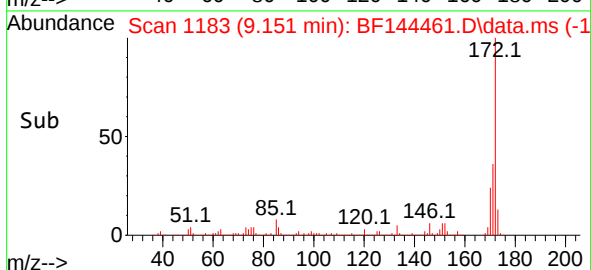
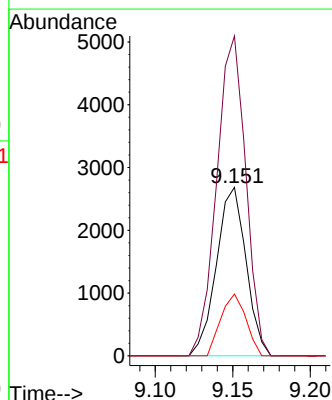
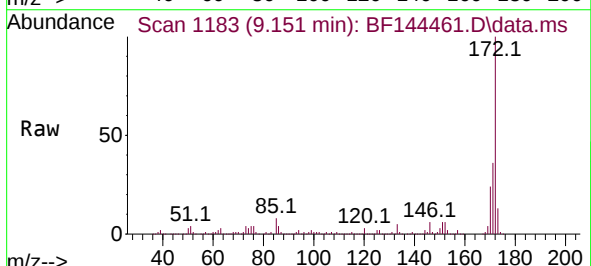
Tgt Ion: 65 Resp: 3574

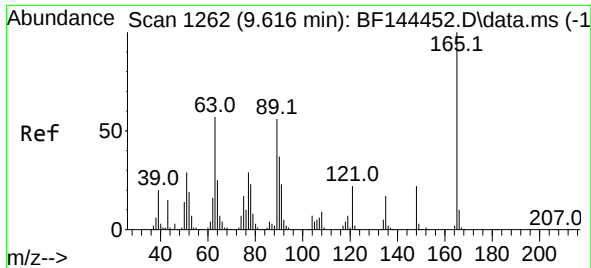
Ion Ratio Lower Upper

65 100

92 189.9 55.0 82.4#

138 36.7 83.4 125.2#

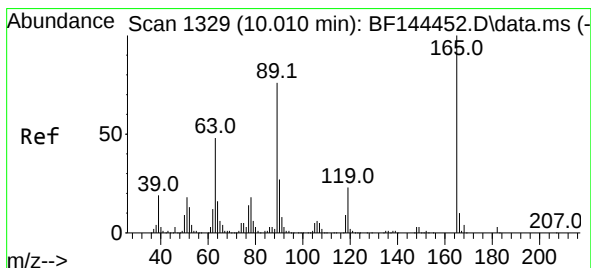
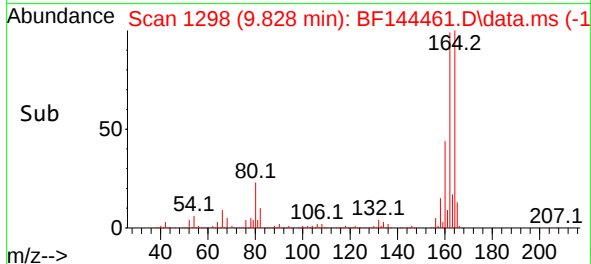
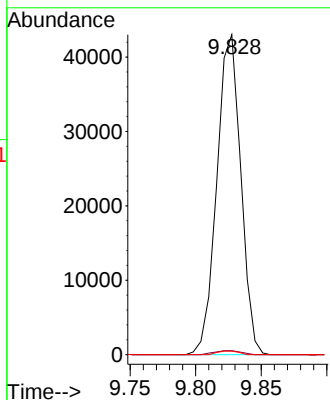
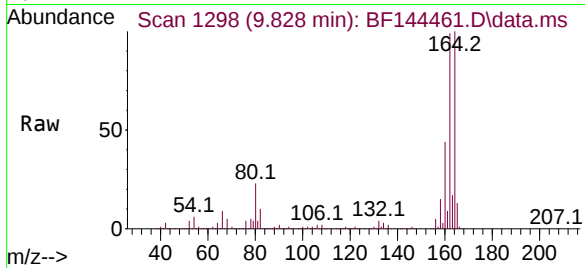




#51
2,6-Dinitrotoluene
Concen: 13.503 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.212 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

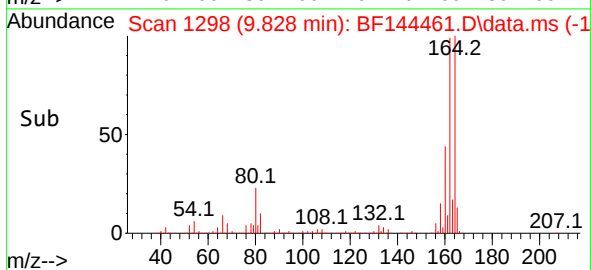
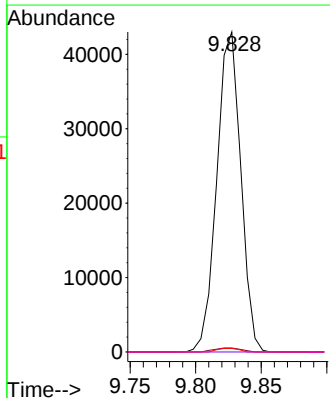
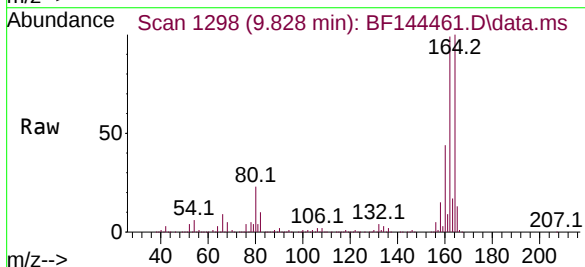
Instrument :
BNA_F
ClientSampleId :
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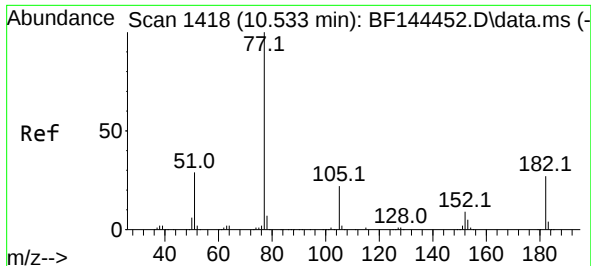
Tgt Ion:165 Resp: 54764
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.1 44.6 67.0#



#57
2,4-Dinitrotoluene
Concen: 10.915 ng
RT: 9.828 min Scan# 1298
Delta R.T. -0.182 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

Tgt Ion:165 Resp: 54764
Ion Ratio Lower Upper
165 100
63 1.2 38.2 57.4#
89 1.1 61.2 91.8#
182 0.0 2.2 3.4#

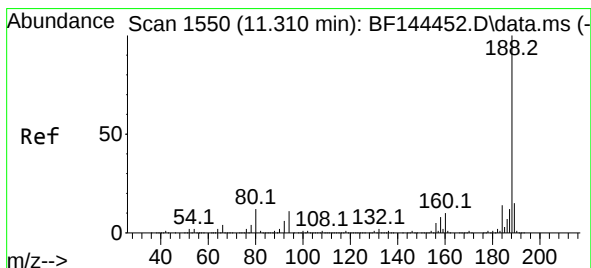
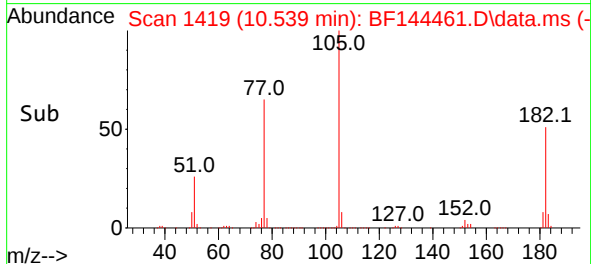
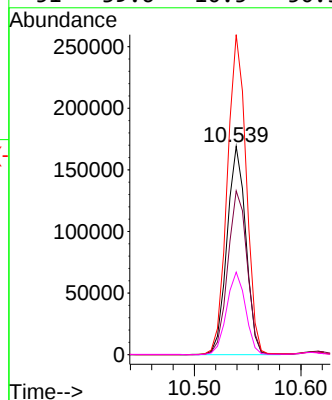
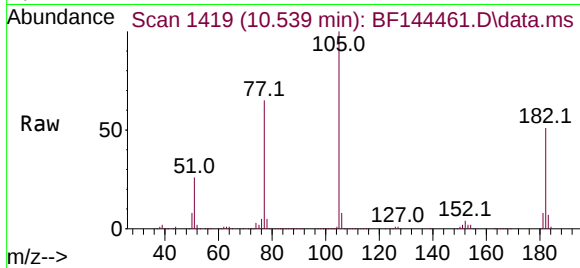




#63
Azobenzene
Concen: 7.246 ng
RT: 10.539 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

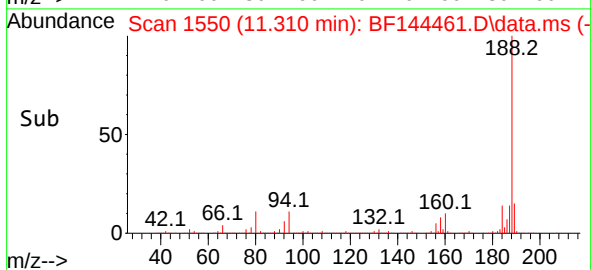
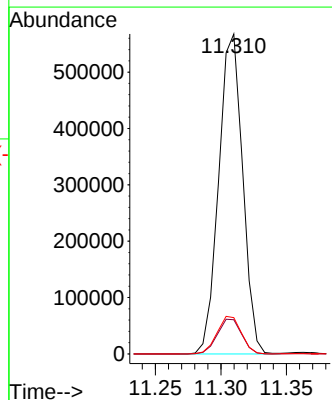
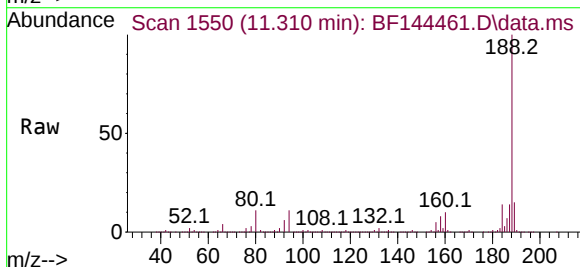
Instrument :
BNA_F
ClientSampleId :
C0AS4

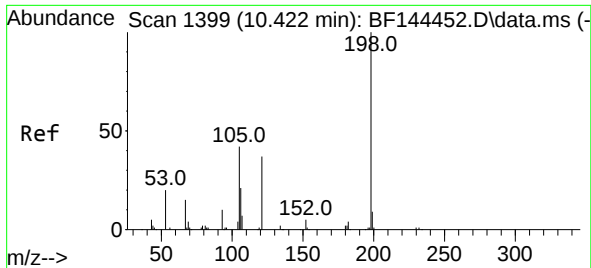
Tgt Ion: 77 Resp: 207649
Ion Ratio Lower Upper
77 100
182 78.6 6.1 46.1#
105 153.6 1.5 41.5#
51 39.6 10.5 50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

Tgt Ion: 188 Resp: 721907
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.6
80 11.3 9.8 14.8

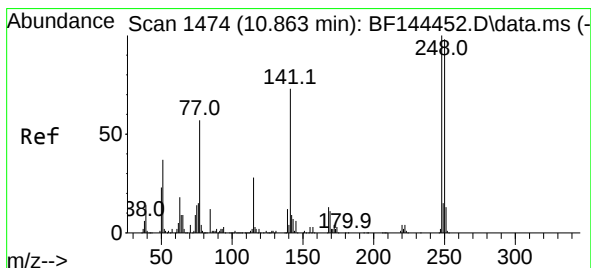
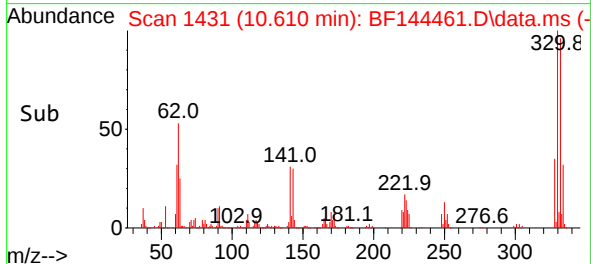
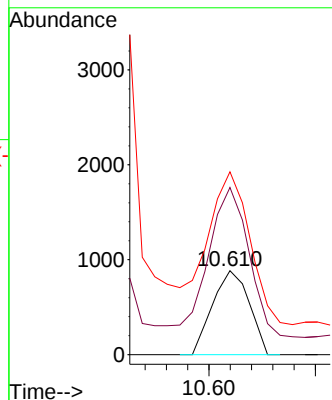
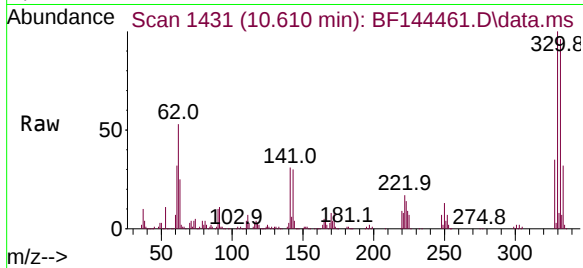




#65
4,6-Dinitro-2-methylphenol
Concen: 7.104 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.188 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

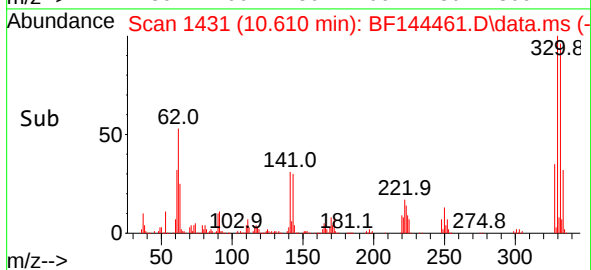
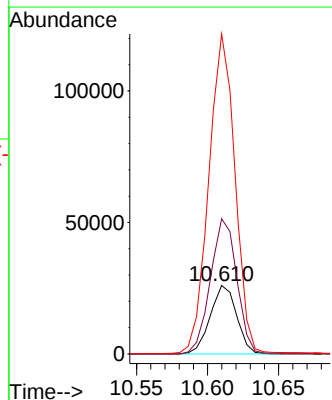
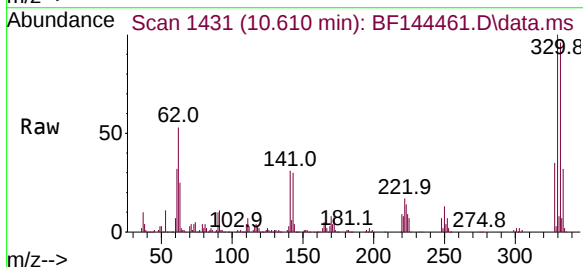
Instrument :
BNA_F
ClientSampleId :
C0AS4

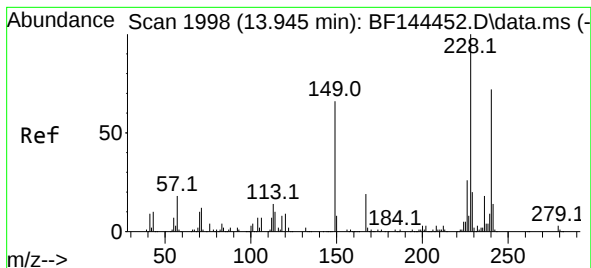
Tgt Ion:198 Resp: 1055
Ion Ratio Lower Upper
198 100
51 199.0 25.5 65.5#
105 217.6 23.4 63.4#



#67
4-Bromophenyl-phenylether
Concen: 3.981 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.253 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

Tgt Ion:248 Resp: 33553
Ion Ratio Lower Upper
248 100
250 197.4 78.2 117.4#
141 467.3 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: BF144461.D

Acq: 12 Dec 2025 20:32

Instrument :

BNA_F

ClientSampleId :

C0AS4

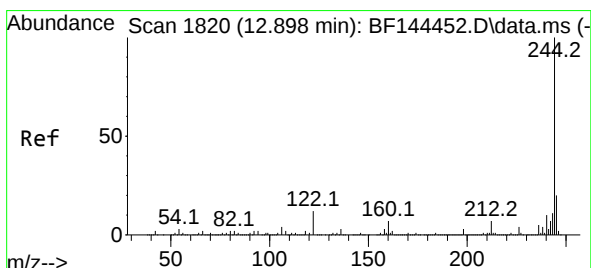
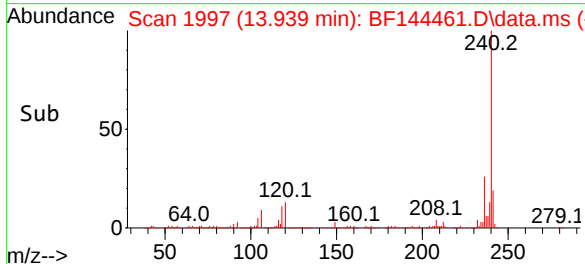
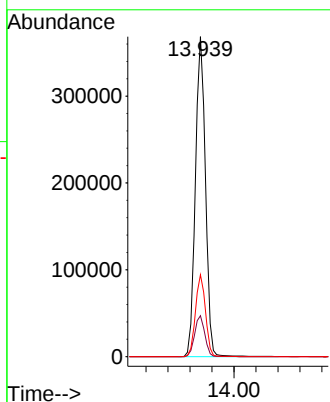
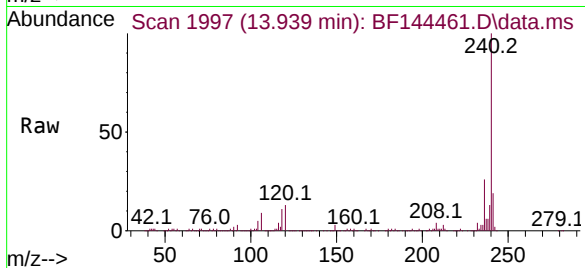
Tgt Ion:240 Resp: 468002

Ion Ratio Lower Upper

240 100

120 12.8 10.3 15.5

236 25.6 20.2 30.4



#79

Terphenyl-d14

Concen: 65.354 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.006 min

Lab File: BF144461.D

Acq: 12 Dec 2025 20:32

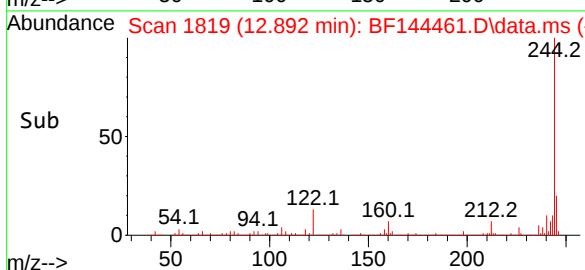
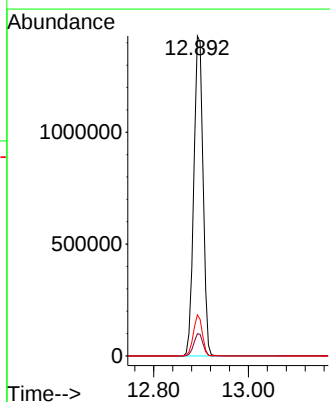
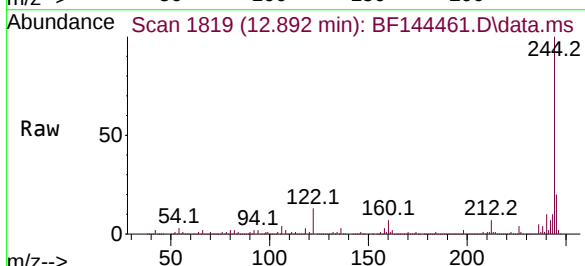
Tgt Ion:244 Resp: 1937298

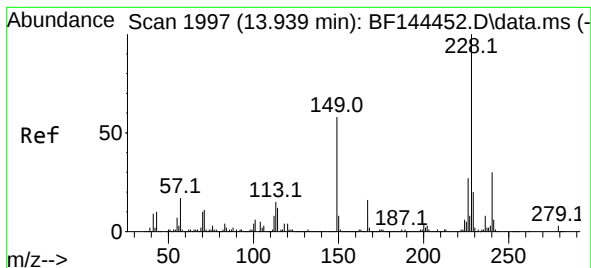
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 12.8 9.9 14.9

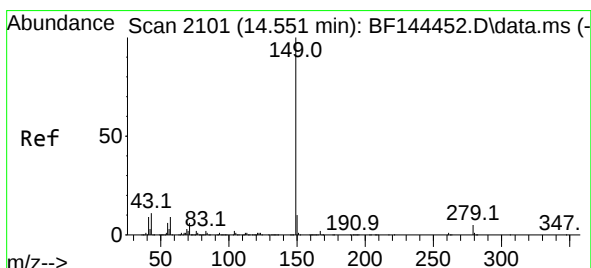
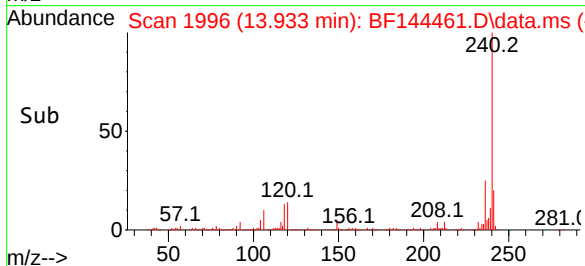
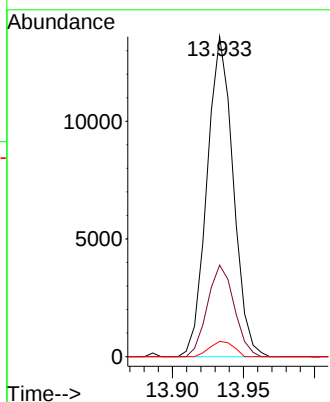
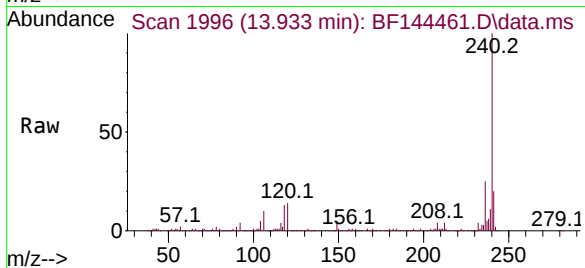




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.899 ng
RT: 13.933 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

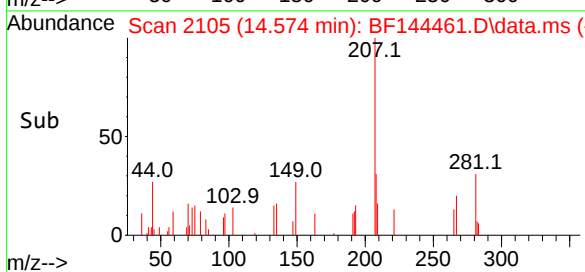
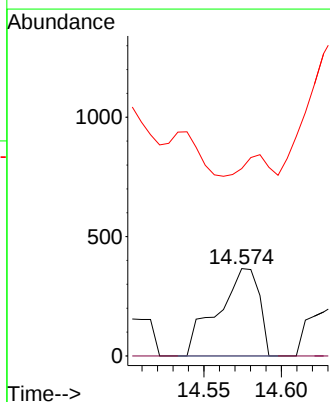
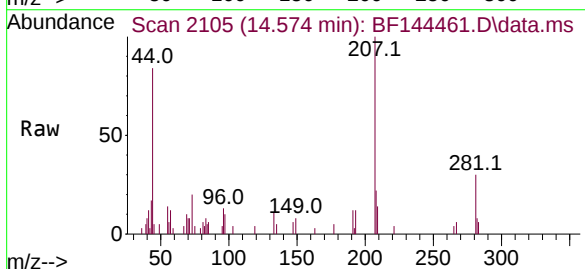
Instrument :
BNA_F
ClientSampleId :
C0AS4

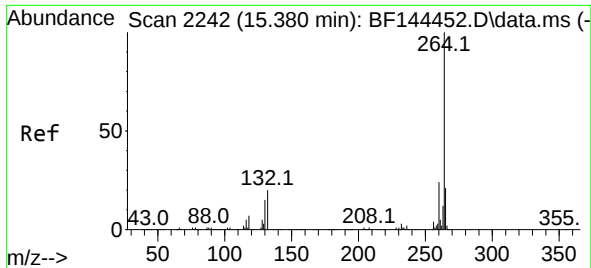
Tgt Ion:149 Resp: 17453
Ion Ratio Lower Upper
149 100
167 28.6 22.6 34.0
279 4.8 3.7 5.5



#85
Di-n-octyl phthalate
Concen: 6.525 ng
RT: 14.574 min Scan# 2105
Delta R.T. 0.023 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

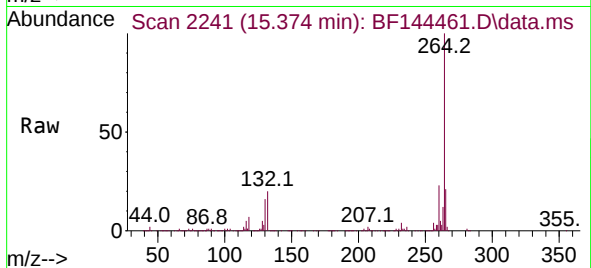
Tgt Ion:149 Resp: 681
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 9.2 13.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144461.D
Acq: 12 Dec 2025 20:32

Instrument :
BNA_F
ClientSampleId :
C0AS4



Tgt Ion:264 Resp: 400019
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.6
265 21.3 17.1 25.7

