

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144211.D
 Acq On : 11 Nov 2025 19:30
 Operator : RC/JU
 Sample : Q3592-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11625

Quant Time: Nov 12 03:44:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

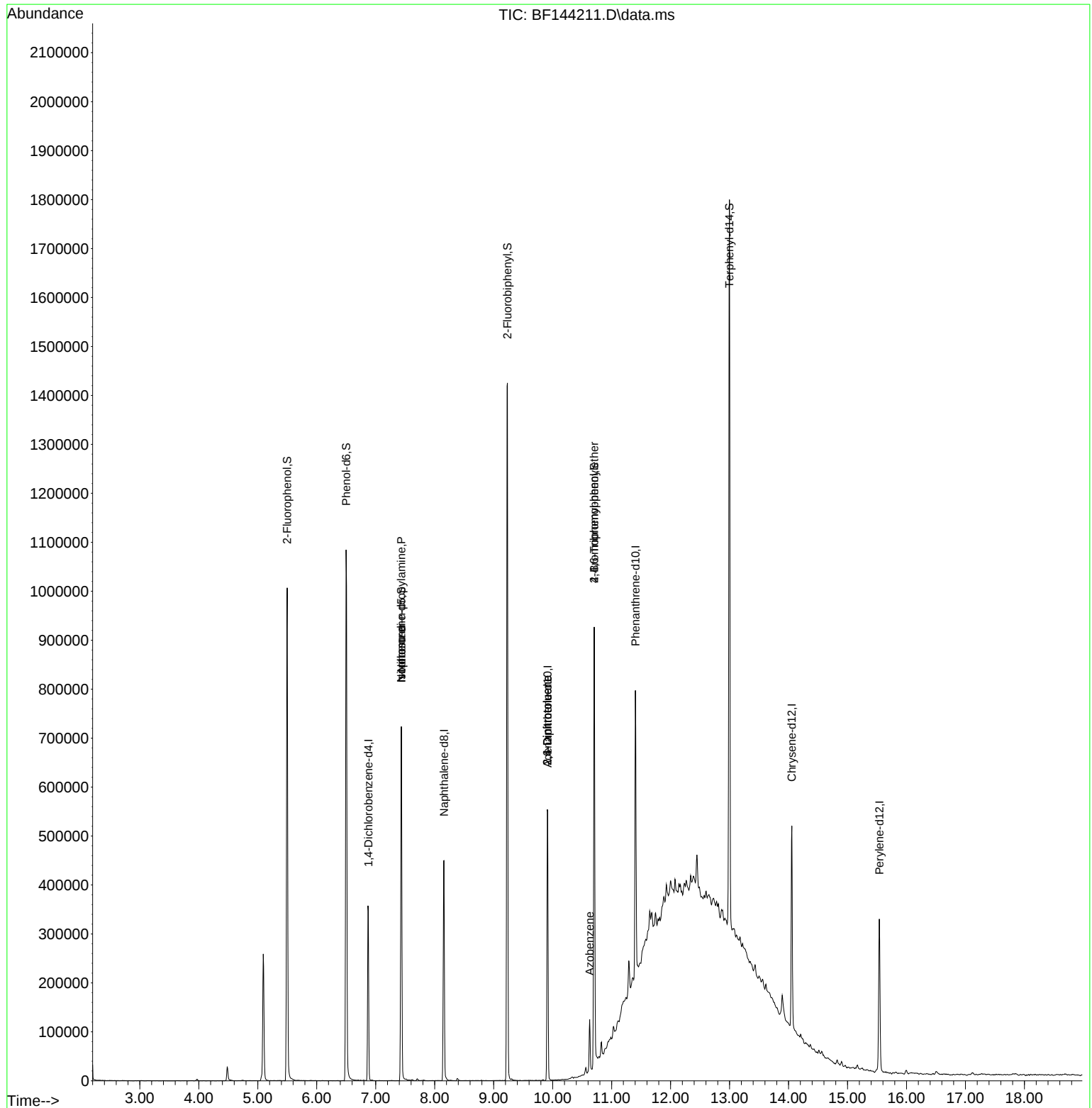
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	77389	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	306737	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	183140	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	316334	20.000	ng	0.00
76) Chrysene-d12	14.057	240	216502	20.000	ng	0.00
86) Perylene-d12	15.539	264	209465	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	387578	78.372	ng	0.00
7) Phenol-d6	6.498	99	463687	82.749	ng	0.00
23) Nitrobenzene-d5	7.434	82	307135	57.830	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	181948	79.170	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	688957	55.561	ng	0.00
79) Terphenyl-d14	12.998	244	816988	59.940	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	45040	12.210	ng	# 78
25) Isophorone	7.434	82	307132	30.573	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	23000	9.365	ng	# 27
57) 2,4-Dinitrotoluene	9.910	165	23000	6.995	ng	# 27
63) Azobenzene	10.628	77	26227	2.520	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	10794	2.673	ng	# 1

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

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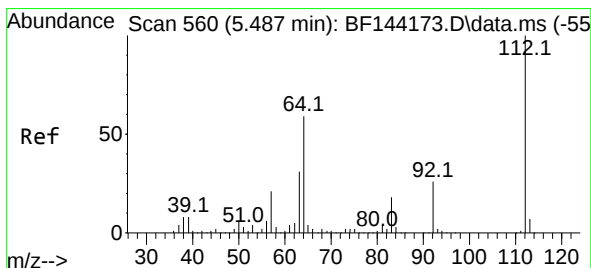
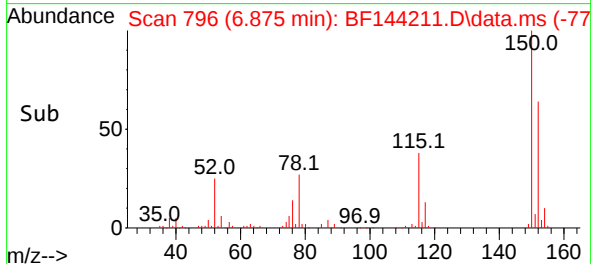
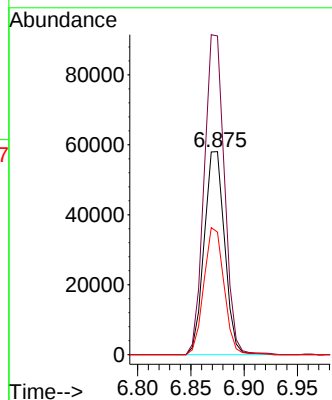
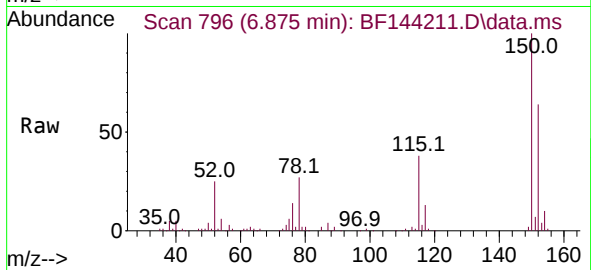




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144211.D
Acq: 11 Nov 2025 19:30

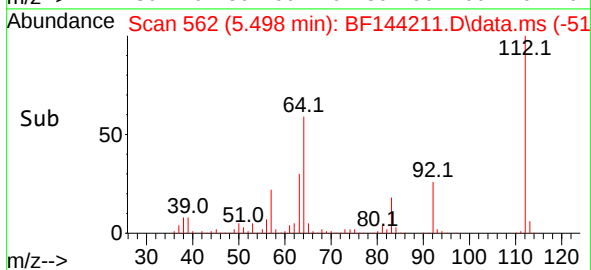
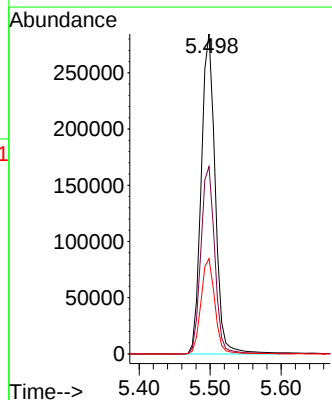
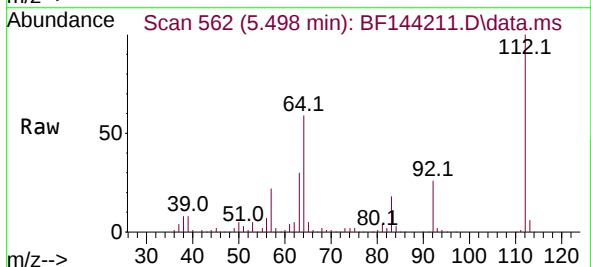
Instrument :
BNA_F
ClientSampleId :
11625

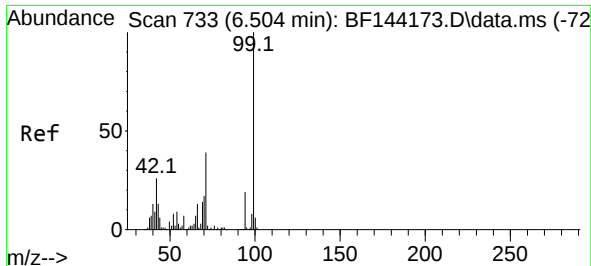
Tgt Ion:152 Resp: 77389
Ion Ratio Lower Upper
152 100
150 157.0 127.4 191.0
115 60.4 49.5 74.3



#5
2-Fluorophenol
Concen: 78.372 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144211.D
Acq: 11 Nov 2025 19:30

Tgt Ion:112 Resp: 387578
Ion Ratio Lower Upper
112 100
64 58.5 47.2 70.8
63 29.8 24.4 36.6

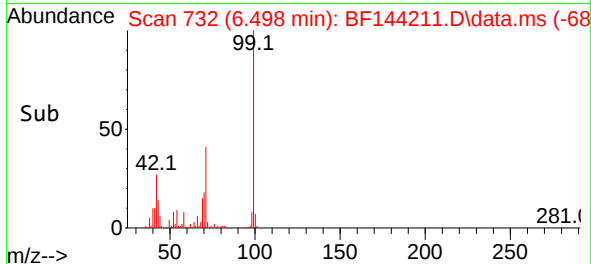
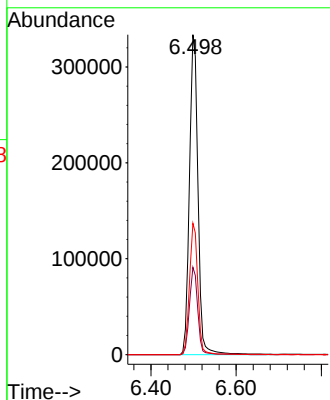
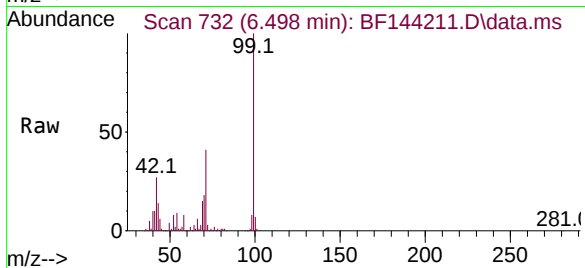




#7
Phenol-d6
Concen: 82.749 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144211.D
Acq: 11 Nov 2025 19:30

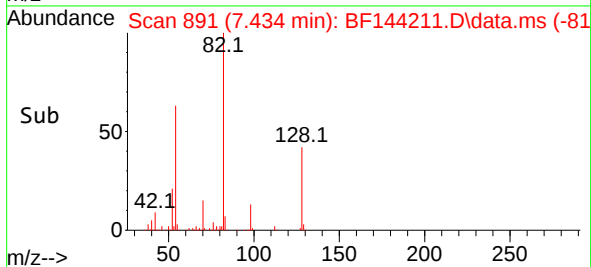
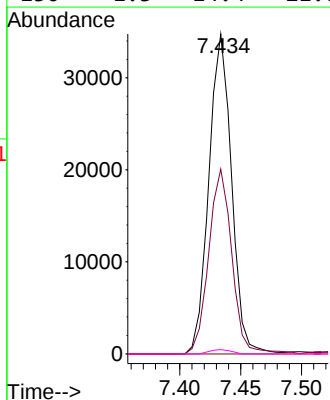
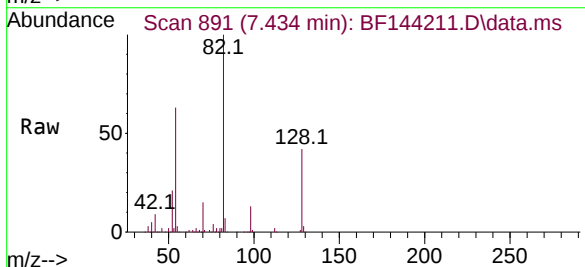
Instrument :
BNA_F
ClientSampleId :
11625

Tgt Ion: 99 Resp: 463687
Ion Ratio Lower Upper
99 100
42 27.3 20.9 31.3
71 41.0 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.210 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144211.D
Acq: 11 Nov 2025 19:30

Tgt Ion: 70 Resp: 45040
Ion Ratio Lower Upper
70 100
42 57.7 58.3 87.5#
101 0.0 7.0 10.6#
130 1.3 14.4 21.6#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144211.D
Acq: 11 Nov 2025 19:30

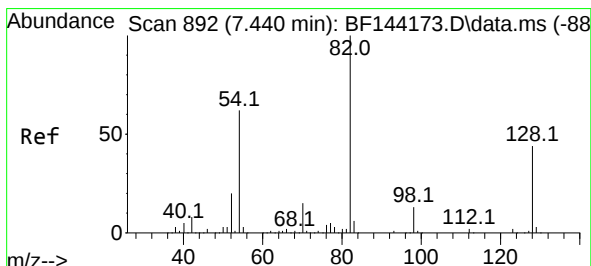
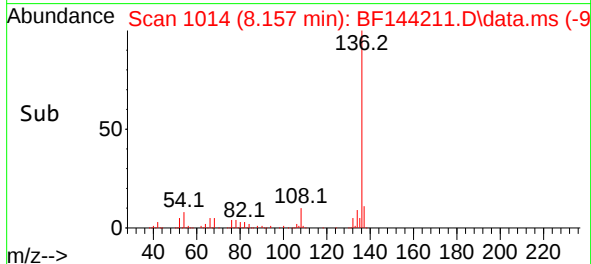
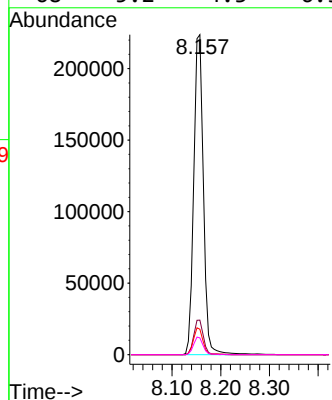
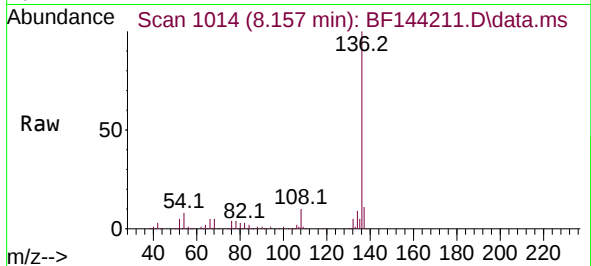
Instrument :

BNA_F

ClientSampleId :

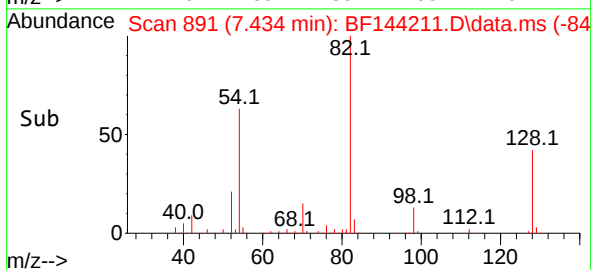
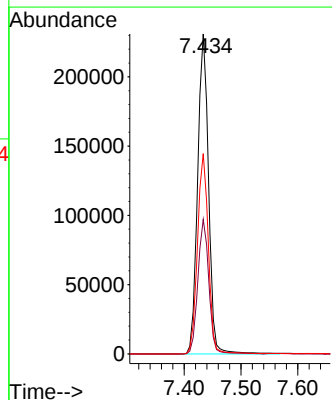
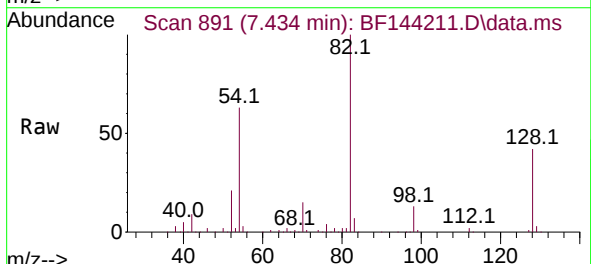
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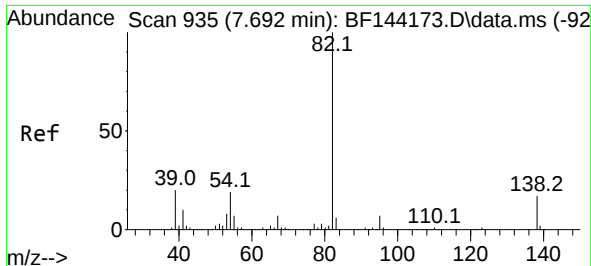
Tgt Ion:136 Resp: 306737
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.9 7.0 10.6
68 5.2 4.3 6.5



#23
Nitrobenzene-d5
Concen: 57.830 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144211.D
Acq: 11 Nov 2025 19:30

Tgt Ion: 82 Resp: 307135
Ion Ratio Lower Upper
82 100
128 42.0 34.7 52.1
54 62.6 49.5 74.3

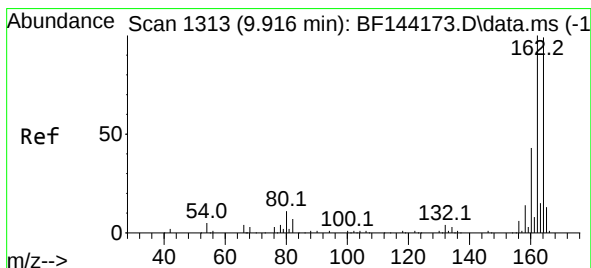
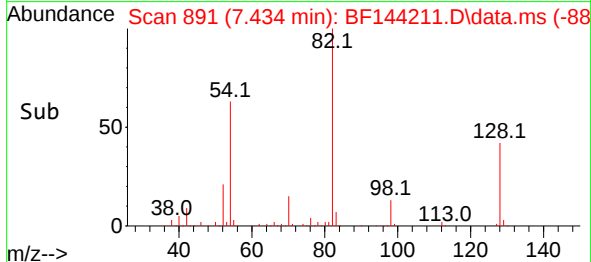
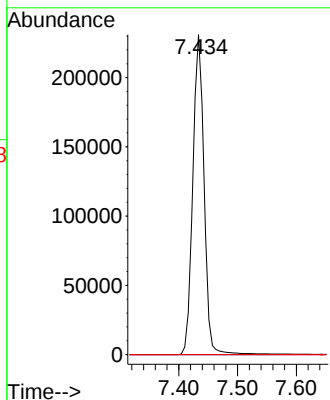
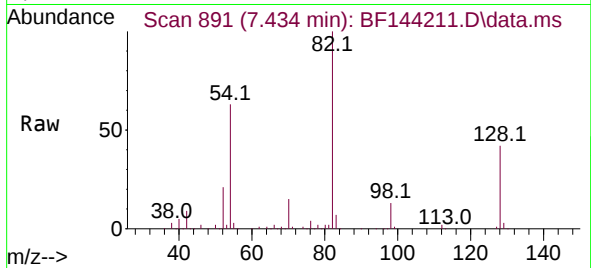




#25
Isophorone
Concen: 30.573 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.253 min
Lab File: BF144211.D
Acq: 11 Nov 2025 19:30

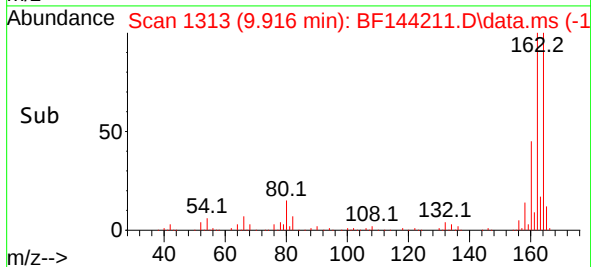
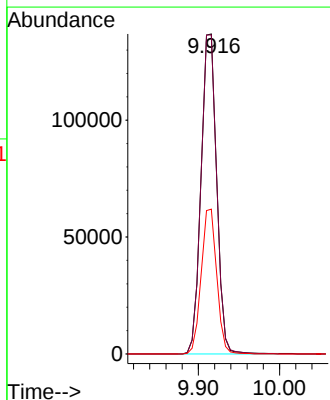
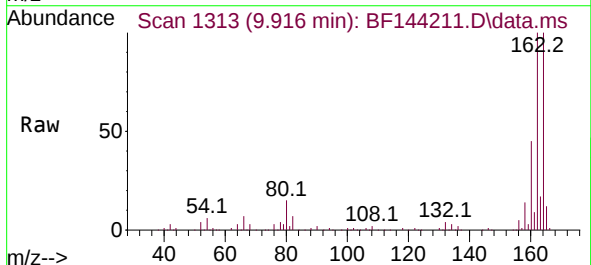
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BNA_F
ClientSampleId :
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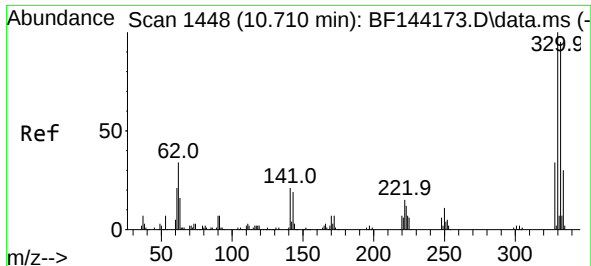
Tgt Ion: 82 Resp: 307132
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144211.D
Acq: 11 Nov 2025 19:30

Tgt Ion:164 Resp: 183140
Ion Ratio Lower Upper
164 100
162 99.7 81.1 121.7
160 45.2 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 79.170 ng

RT: 10.704 min Scan# 1448

Delta R.T. -0.000 min

Lab File: BF144211.D

Acq: 11 Nov 2025 19:30

Instrument :

BNA_F

ClientSampleId :

11625

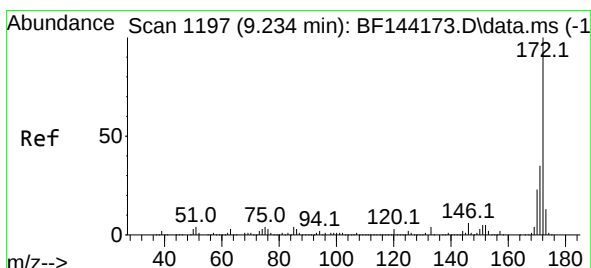
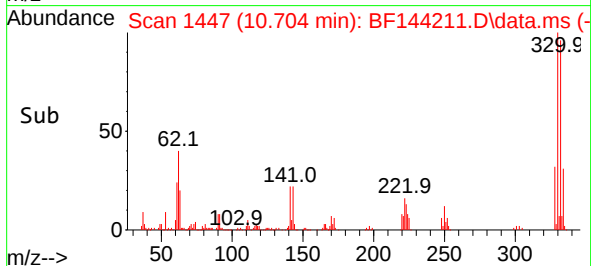
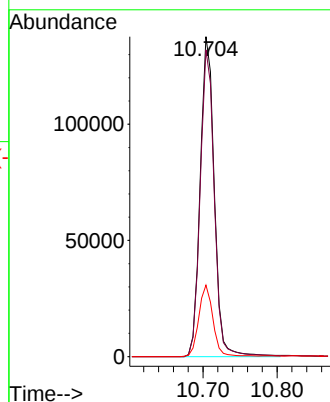
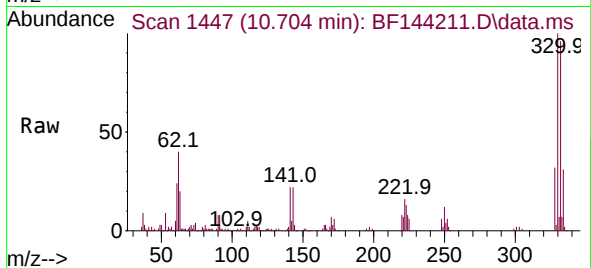
Tgt Ion:330 Resp: 181948

Ion Ratio Lower Upper

330 100

332 95.8 76.7 115.1

141 22.6 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 55.561 ng

RT: 9.233 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF144211.D

Acq: 11 Nov 2025 19:30

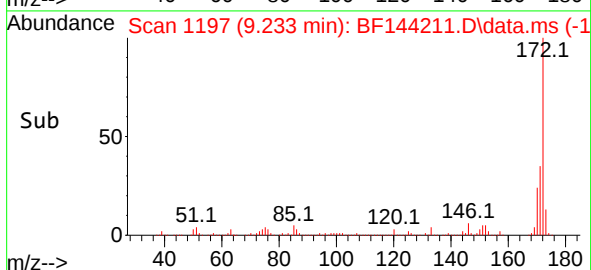
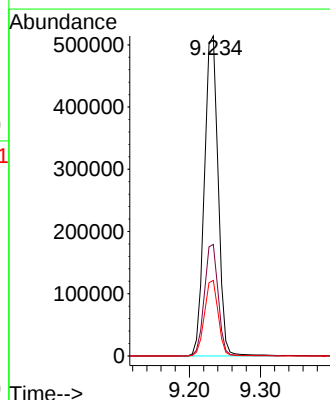
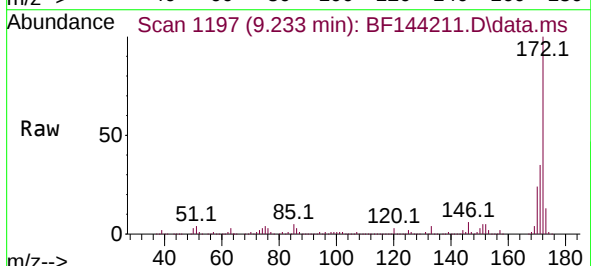
Tgt Ion:172 Resp: 688957

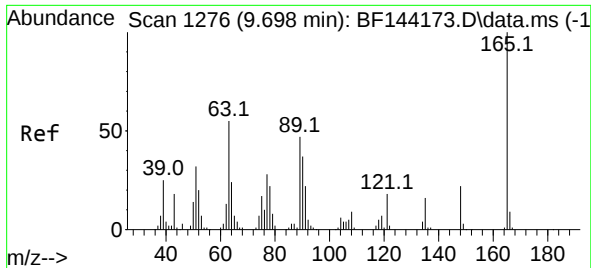
Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.6 18.6 28.0

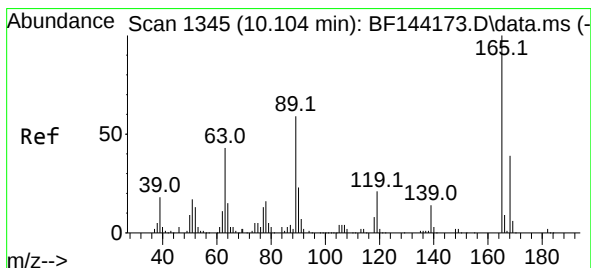
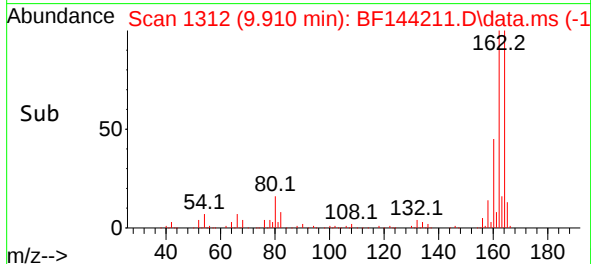
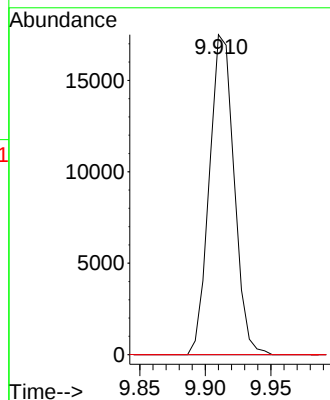
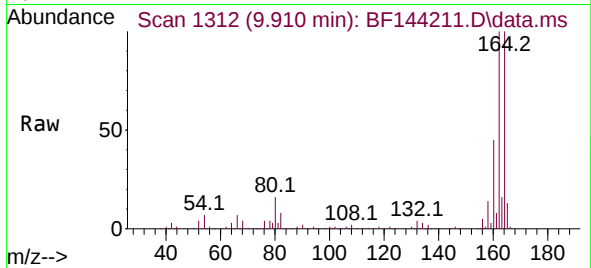




#51
2,6-Dinitrotoluene
Concen: 9.365 ng
RT: 9.910 min Scan# 1312
Delta R.T. 0.218 min
Lab File: BF144211.D
Acq: 11 Nov 2025 19:30

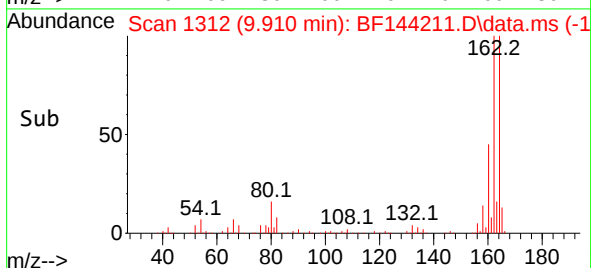
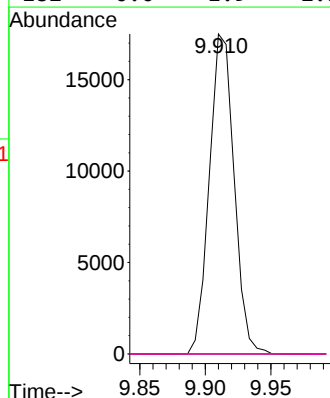
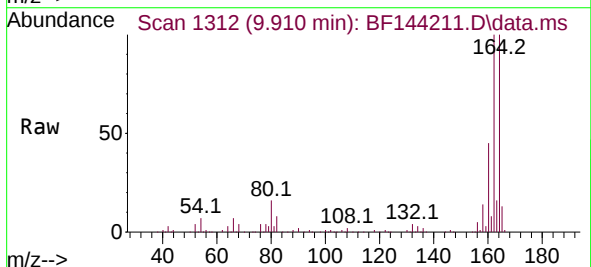
Instrument :
BNA_F
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11625

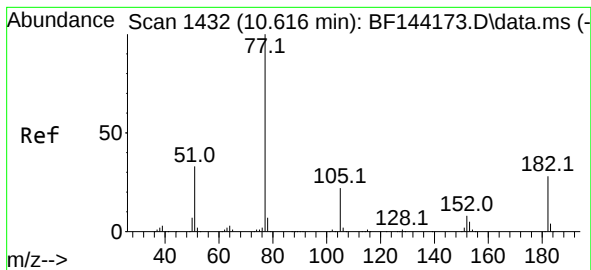
Tgt Ion:165 Resp: 23000
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 6.995 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.188 min
Lab File: BF144211.D
Acq: 11 Nov 2025 19:30

Tgt Ion:165 Resp: 23000
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#





#63

Azobenzene

Concen: 2.520 ng

RT: 10.628 min Scan# 1432

Delta R.T. 0.012 min

Lab File: BF144211.D

Acq: 11 Nov 2025 19:30

Instrument :

BNA_F

ClientSampleId :

11625

Tgt Ion: 77 Resp: 26227

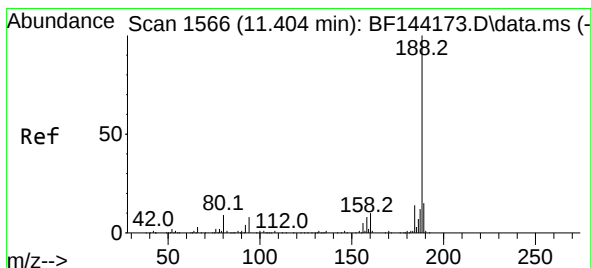
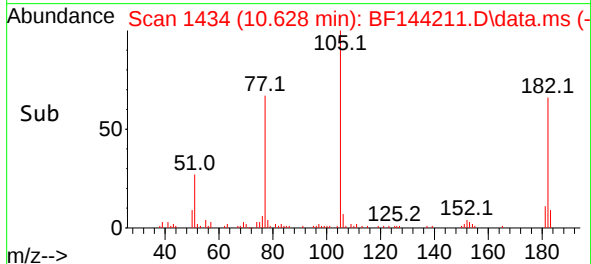
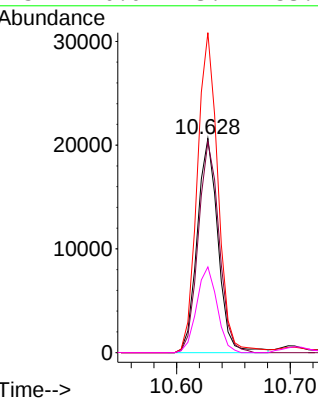
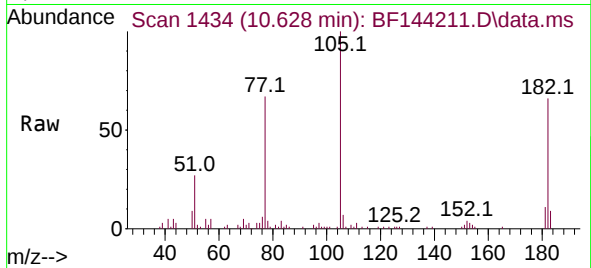
Ion Ratio Lower Upper

77 100

182 98.4 8.1 48.1#

105 149.5 2.0 42.0#

51 40.0 13.9 53.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.000 min

Lab File: BF144211.D

Acq: 11 Nov 2025 19:30

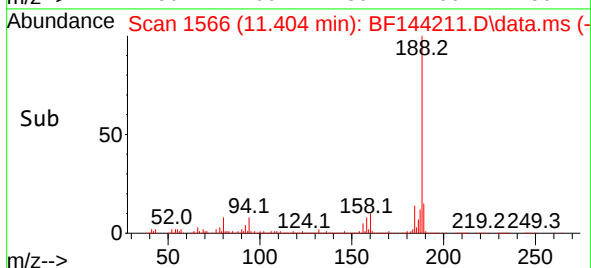
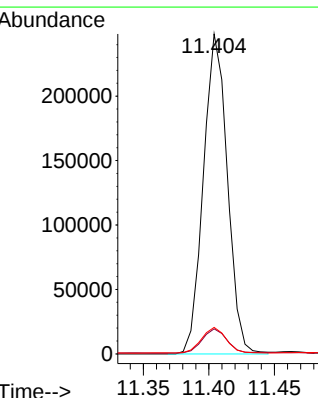
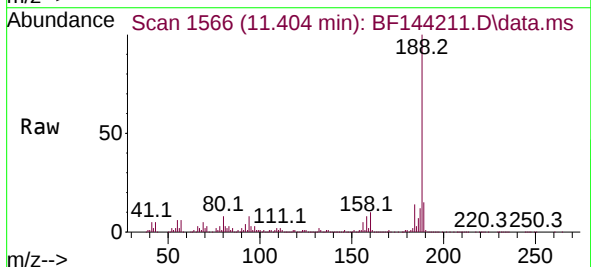
Tgt Ion:188 Resp: 316334

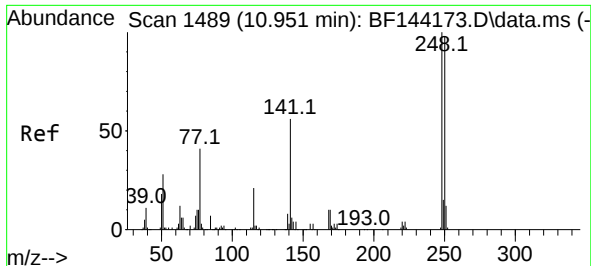
Ion Ratio Lower Upper

188 100

94 7.8 6.2 9.2

80 8.3 6.9 10.3

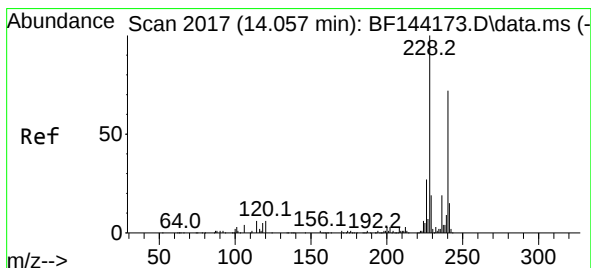
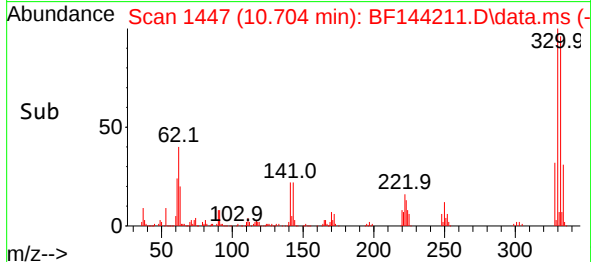
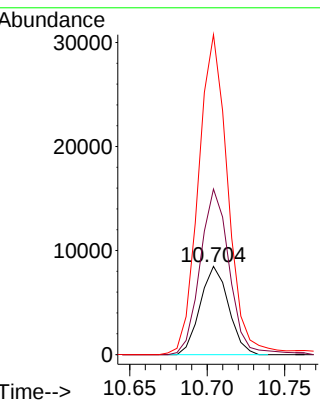
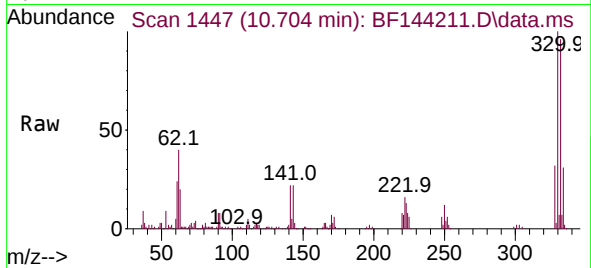




#67
4-Bromophenyl-phenylether
Concen: 2.673 ng
RT: 10.704 min Scan# 1489
Delta R.T. -0.241 min
Lab File: BF144211.D
Acq: 11 Nov 2025 19:30

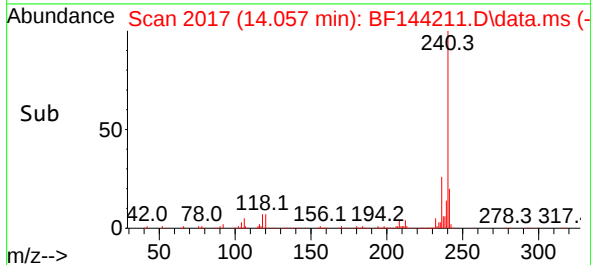
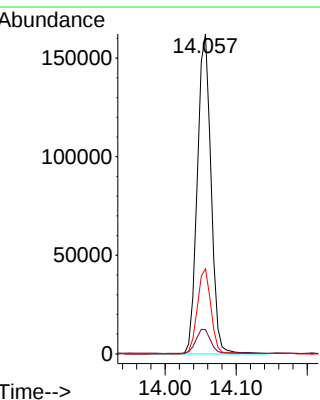
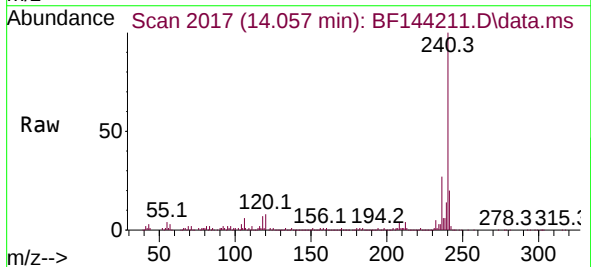
Instrument :
BNA_F
ClientSampleId :
11625

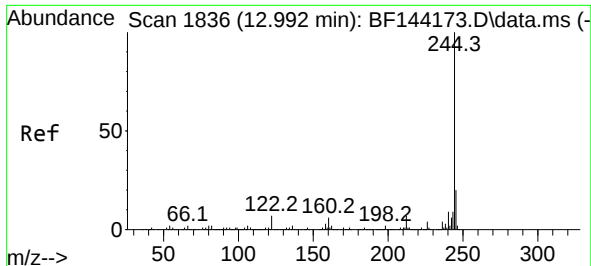
Tgt Ion:248 Resp: 10794
Ion Ratio Lower Upper
248 100
250 187.6 78.4 117.6#
141 362.6 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF144211.D
Acq: 11 Nov 2025 19:30

Tgt Ion:240 Resp: 216502
Ion Ratio Lower Upper
240 100
120 7.6 6.6 10.0
236 26.6 21.4 32.2

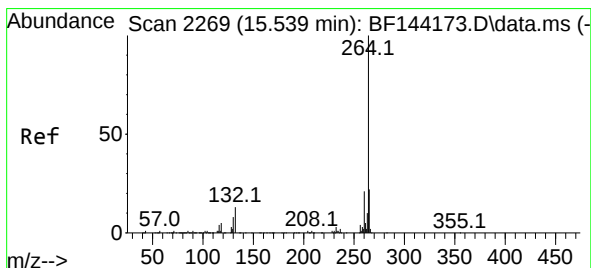
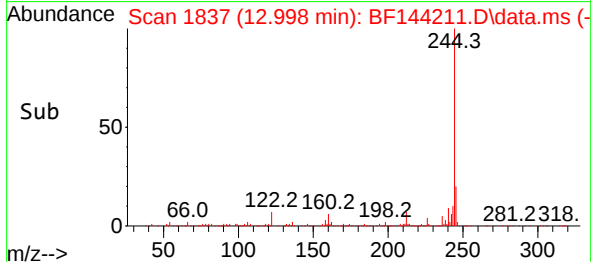
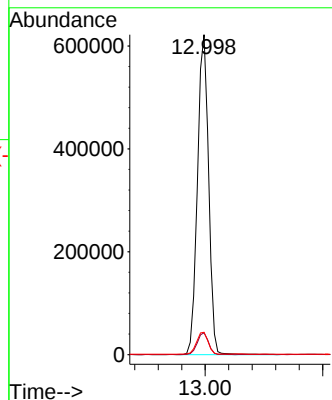
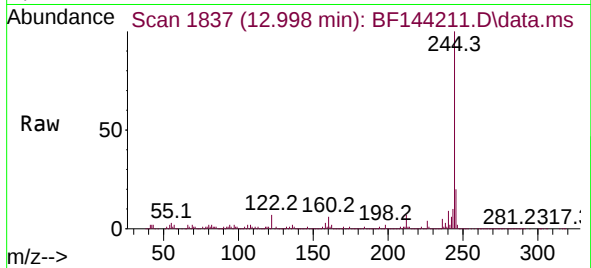




#79
 Terphenyl-d14
 Concen: 59.940 ng
 RT: 12.998 min Scan# 1836
 Delta R.T. 0.006 min
 Lab File: BF144211.D
 Acq: 11 Nov 2025 19:30

Instrument :
 BNA_F
 ClientSampleId :
 11625

Tgt Ion:244 Resp: 816988
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.3 7.9
 122 7.0 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.000 min
 Lab File: BF144211.D
 Acq: 11 Nov 2025 19:30

Tgt Ion:264 Resp: 209465
 Ion Ratio Lower Upper
 264 100
 260 21.2 17.1 25.7
 265 20.3 17.4 26.0

