

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111325\
 Data File : BF144244.D
 Acq On : 13 Nov 2025 15:25
 Operator : RC/JU
 Sample : PB170473BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170473BL

Quant Time: Nov 13 15:46:09 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)

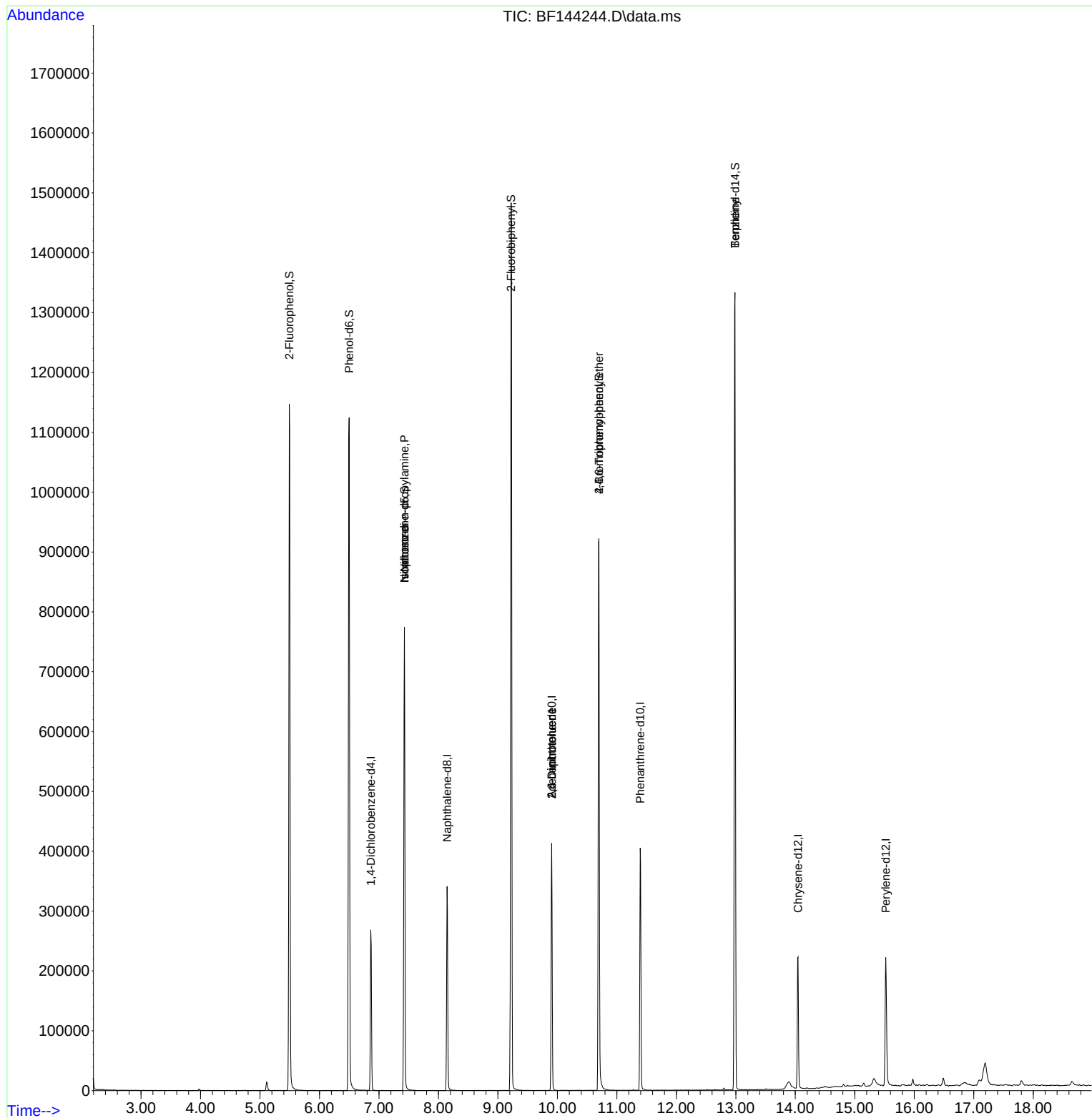
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	58185	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	226377	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	128860	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	235212	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	125254	20.000	ng	0.00
86) Perylene-d12	15.521	264	146599	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	442296	118.955	ng	0.00
7) Phenol-d6	6.498	99	503178	119.434	ng	0.00
23) Nitrobenzene-d5	7.428	82	329373	84.032	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	198023	122.460	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	705126	80.818	ng	0.00
79) Terphenyl-d14	12.986	244	748766	94.955	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	48426	17.461	ng	# 80
25) Isophorone	7.428	82	329370	44.425	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	16454	9.521	ng	# 28
57) 2,4-Dinitrotoluene	9.904	165	16454	7.112	ng	# 28
67) 4-Bromophenyl-phenylether	10.698	248	11013	3.668	ng	# 1
77) Benzidine	12.986	184	8273	2.233	ng	98

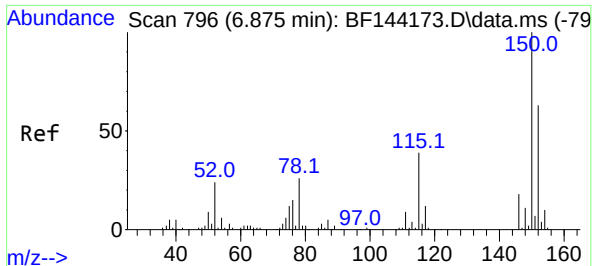
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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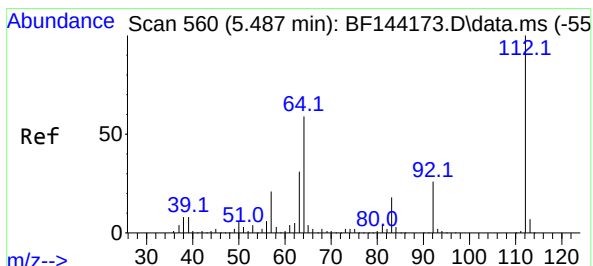
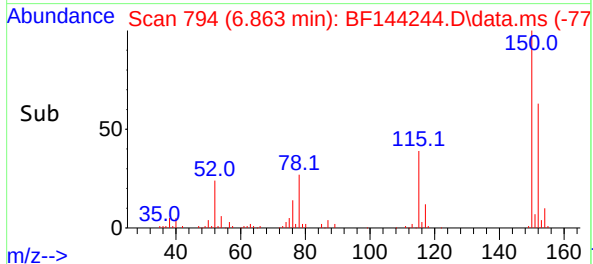
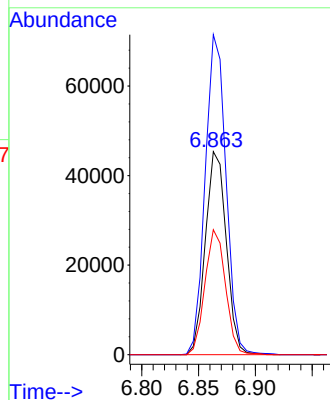
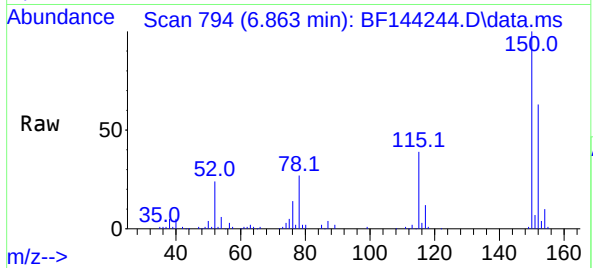




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

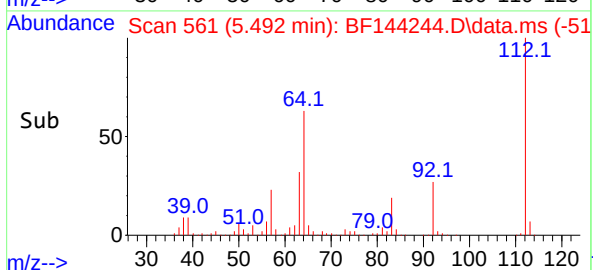
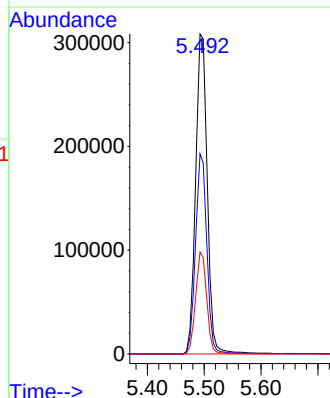
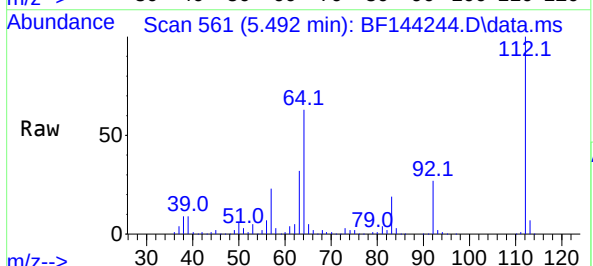
Instrument :
BNA_F
ClientSampleId :
PB170473BL

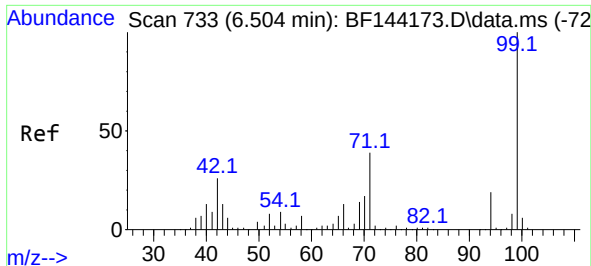
Tgt Ion:152 Resp: 58185
Ion Ratio Lower Upper
152 100
150 157.5 127.4 191.0
115 61.5 49.5 74.3



#5
2-Fluorophenol
Concen: 118.955 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

Tgt Ion:112 Resp: 442296
Ion Ratio Lower Upper
112 100
64 62.5 47.2 70.8
63 31.8 24.4 36.6

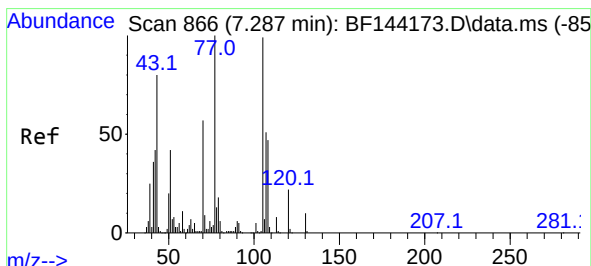
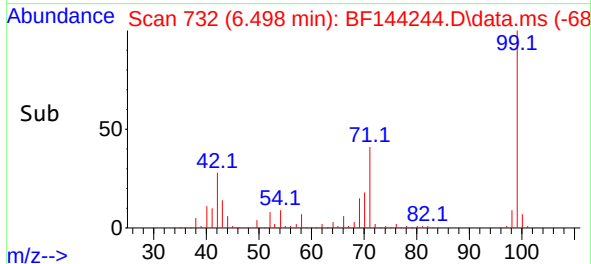
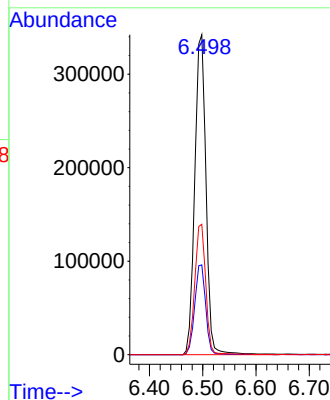
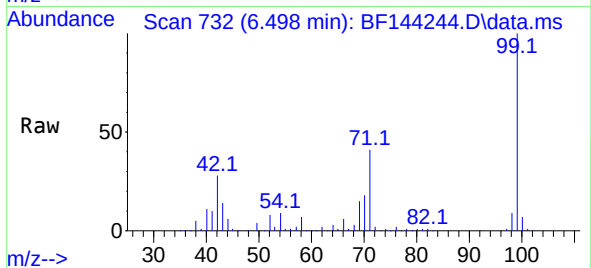




#7
Phenol-d6
Concen: 119.434 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

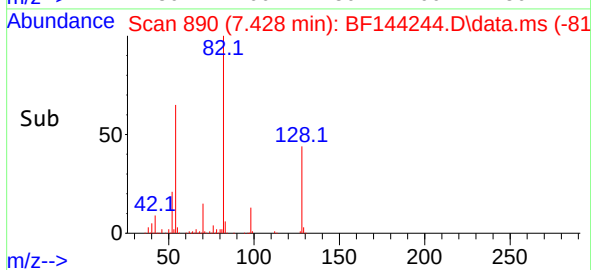
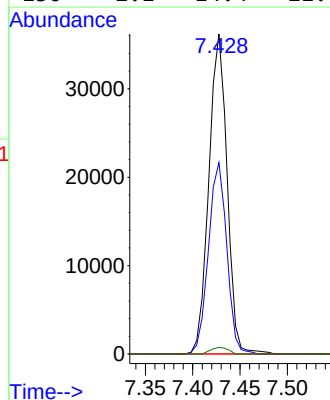
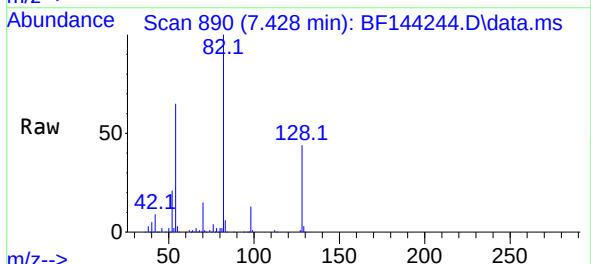
Instrument :
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ClientSampleId :
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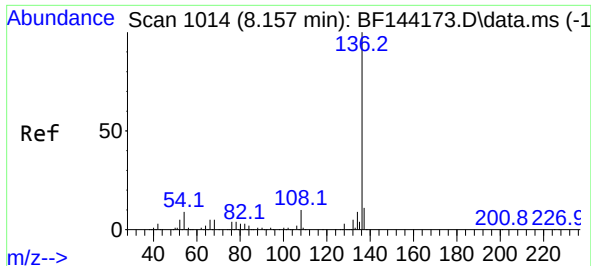
Tgt Ion: 99 Resp: 503178
Ion Ratio Lower Upper
99 100
42 28.1 20.9 31.3
71 40.7 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.461 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.153 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

Tgt Ion: 70 Resp: 48426
Ion Ratio Lower Upper
70 100
42 59.8 58.3 87.5
101 0.0 7.0 10.6#
130 2.1 14.4 21.6#

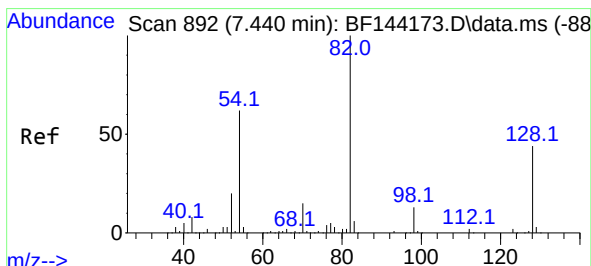
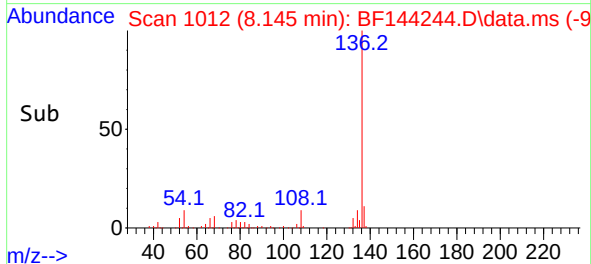
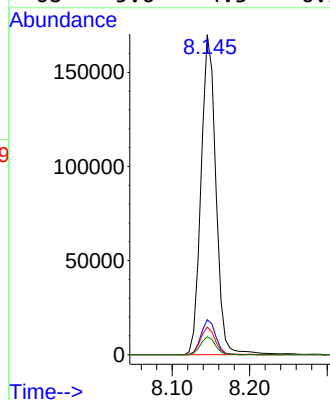
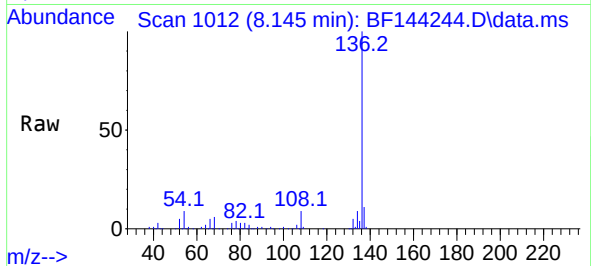




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

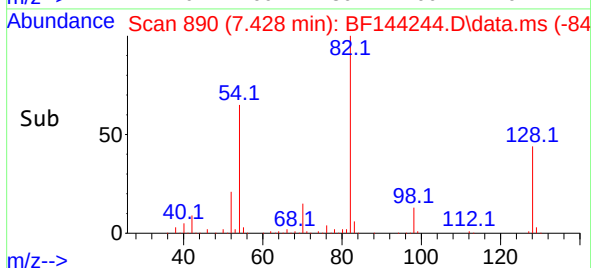
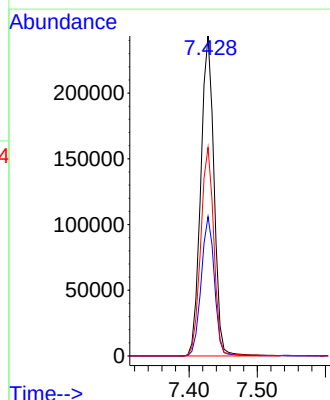
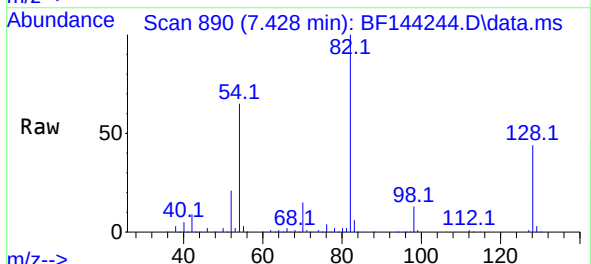
Instrument :
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ClientSampleId :
PB170473BL

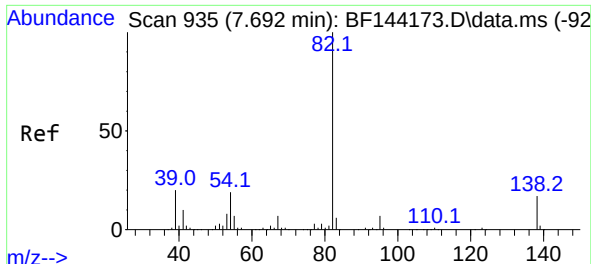
Tgt Ion:136 Resp: 226377
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.7 7.0 10.6
68 5.6 4.3 6.5



#23
Nitrobenzene-d5
Concen: 84.032 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

Tgt Ion: 82 Resp: 329373
Ion Ratio Lower Upper
82 100
128 43.5 34.7 52.1
54 65.1 49.5 74.3

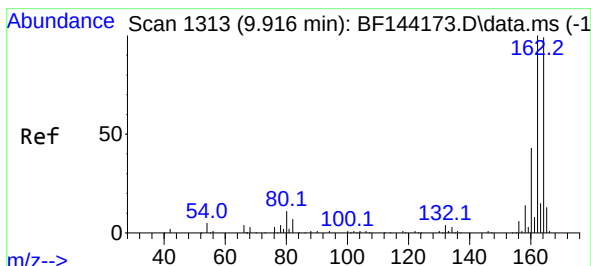
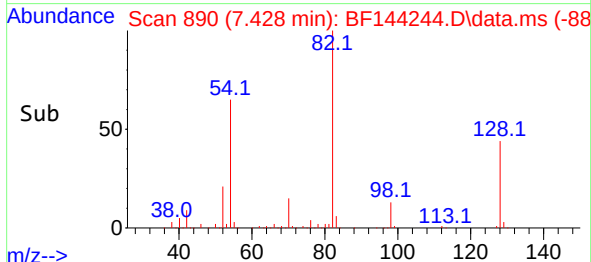
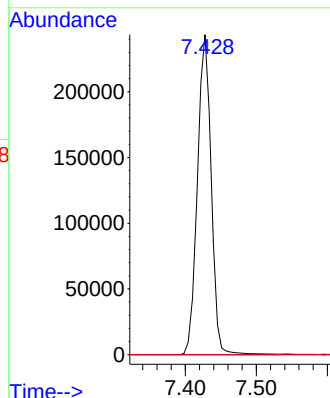
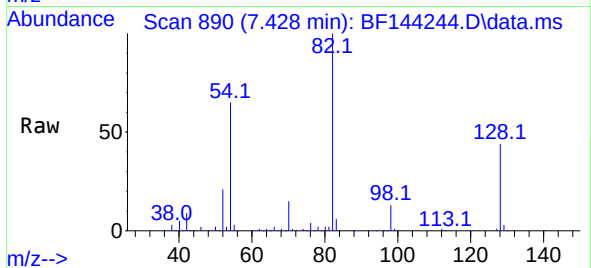




#25
Isophorone
Concen: 44.425 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

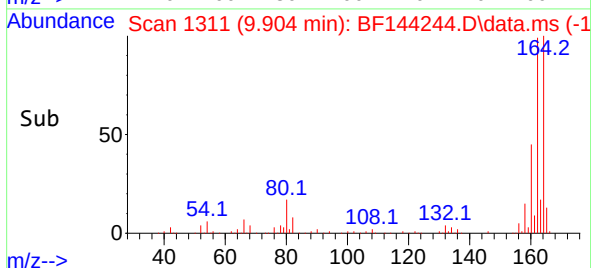
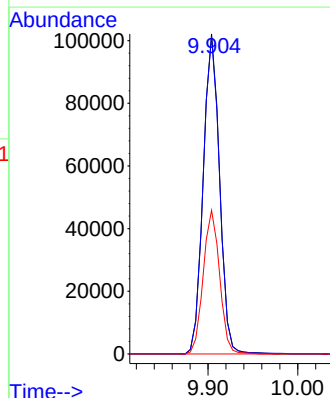
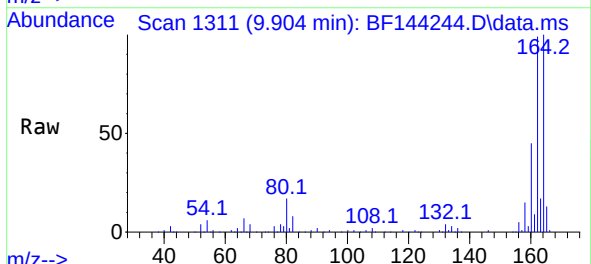
Instrument :
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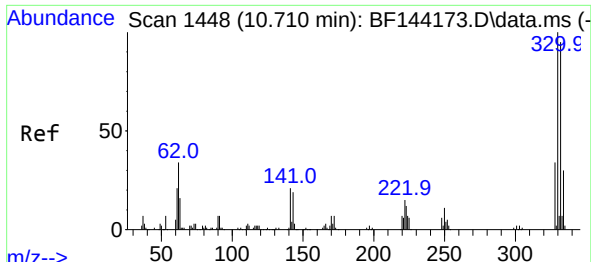
Tgt Ion: 82 Resp: 329370
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

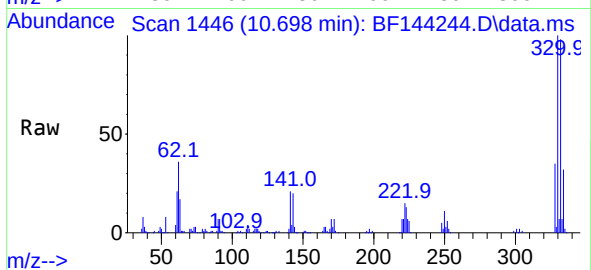
Tgt Ion:164 Resp: 128860
Ion Ratio Lower Upper
164 100
162 99.2 81.1 121.7
160 44.9 34.5 51.7



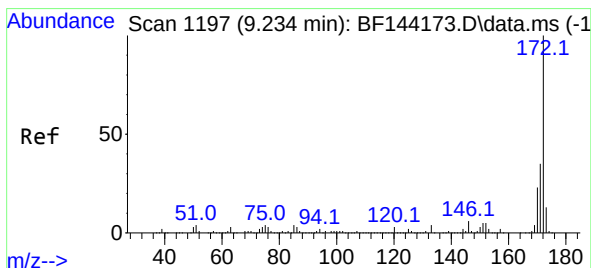
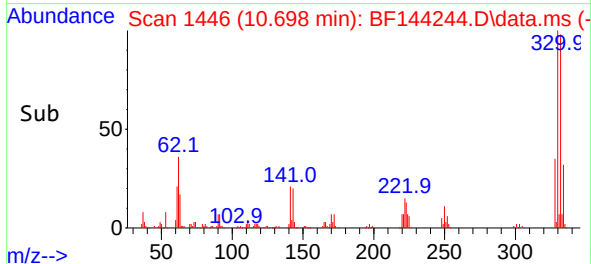
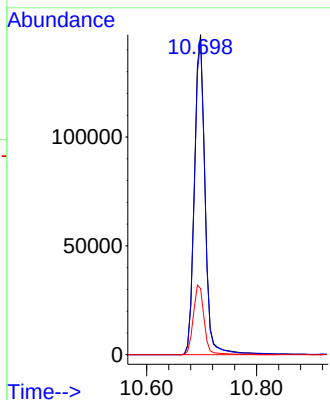


#42
2,4,6-Tribromophenol
Concen: 122.460 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

Instrument :
BNA_F
ClientSampleId :
PB170473BL

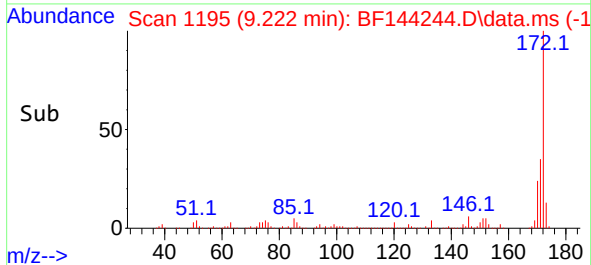
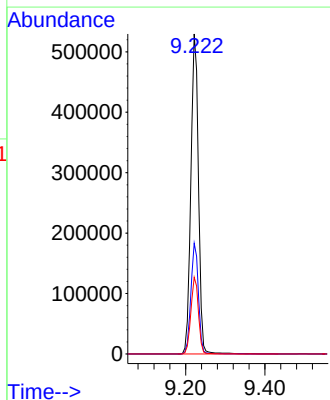
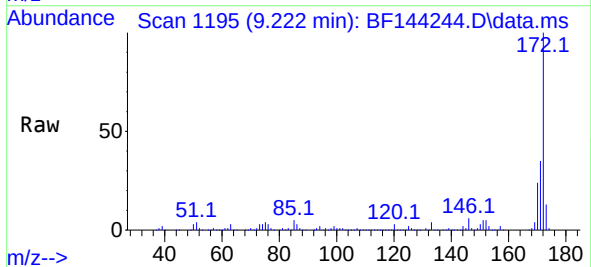


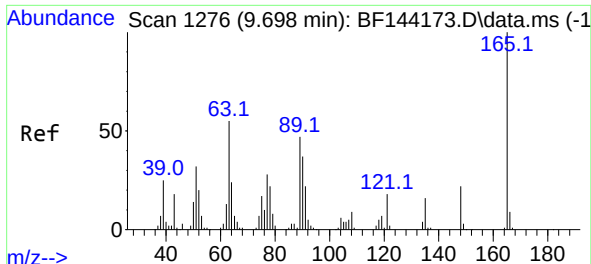
Tgt Ion:330 Resp: 198023
Ion Ratio Lower Upper
330 100
332 97.0 76.7 115.1
141 22.1 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 80.818 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

Tgt Ion:172 Resp: 705126
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 24.0 18.6 28.0

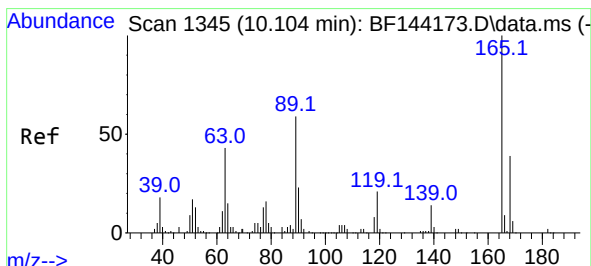
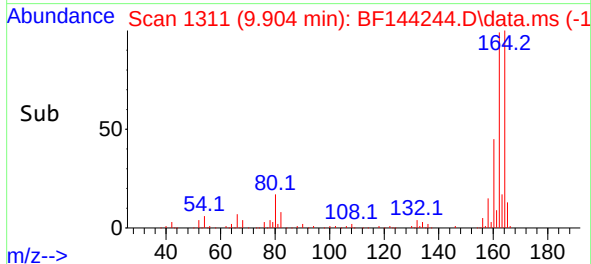
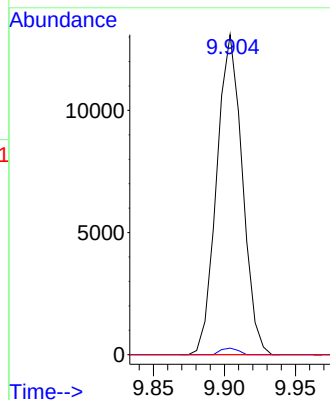
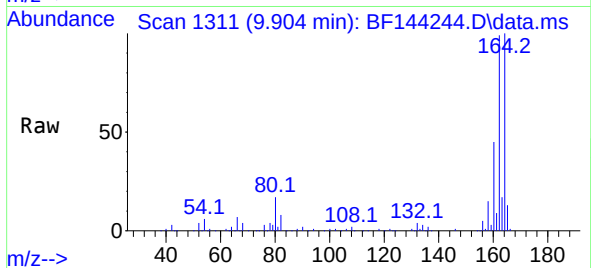




#51
2,6-Dinitrotoluene
Concen: 9.521 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

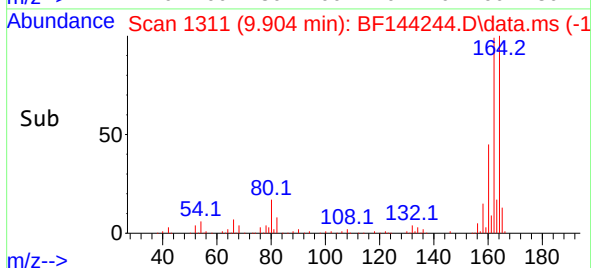
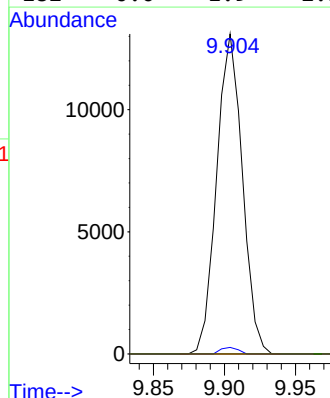
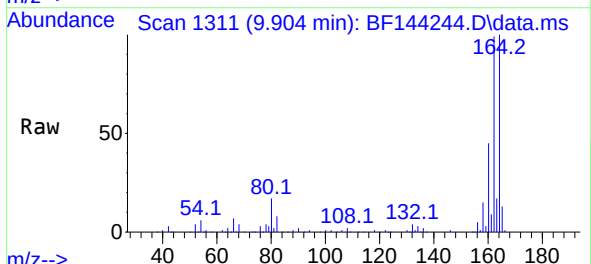
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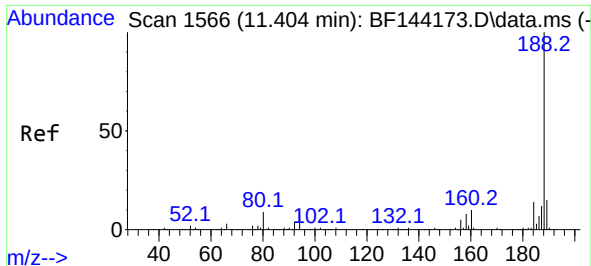
Tgt Ion:165 Resp: 16454
Ion Ratio Lower Upper
165 100
63 2.1 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.112 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.194 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

Tgt Ion:165 Resp: 16454
Ion Ratio Lower Upper
165 100
63 2.1 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#

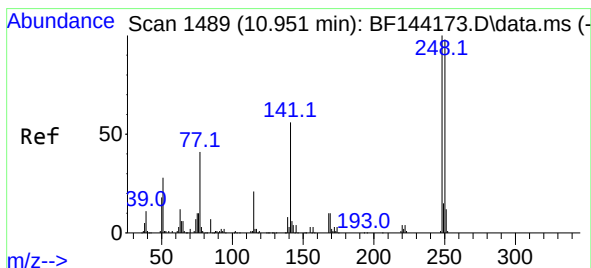
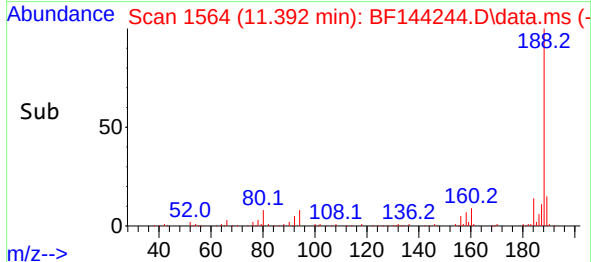
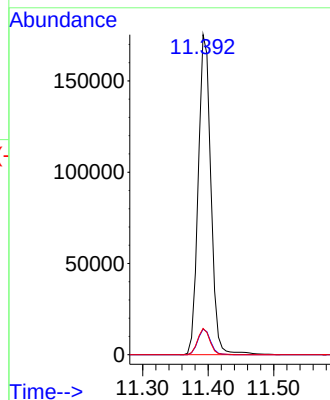
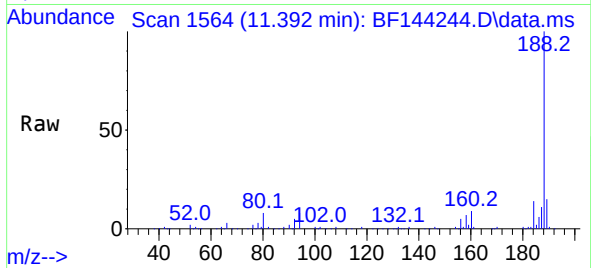




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

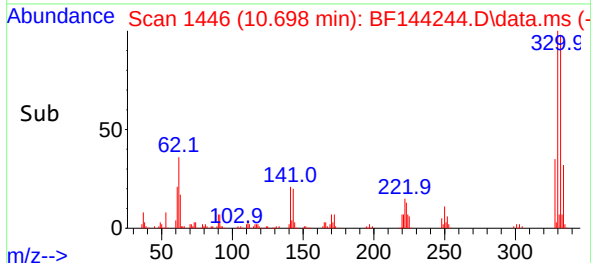
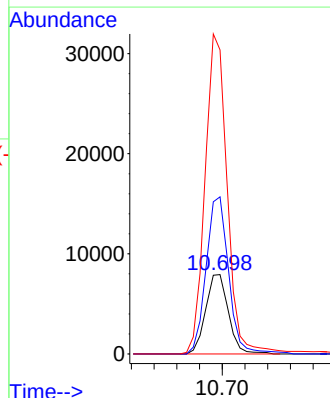
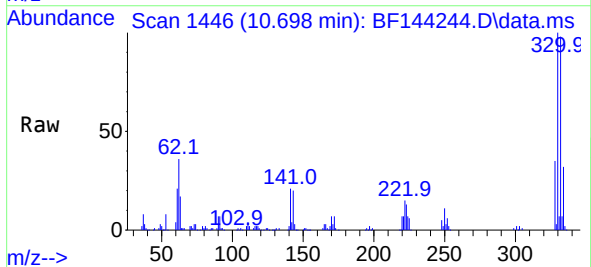
Instrument :
BNA_F
ClientSampleId :
PB170473BL

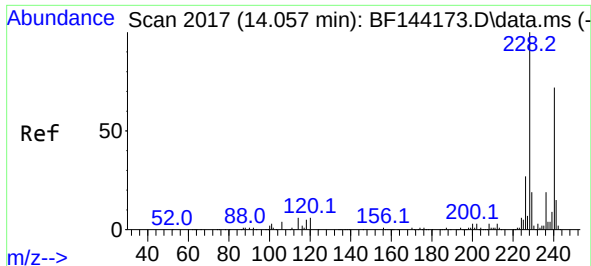
Tgt Ion:188 Resp: 235212
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.2
80 8.2 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 3.668 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.247 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

Tgt Ion:248 Resp: 11013
Ion Ratio Lower Upper
248 100
250 198.1 78.4 117.6#
141 383.4 45.1 67.7#

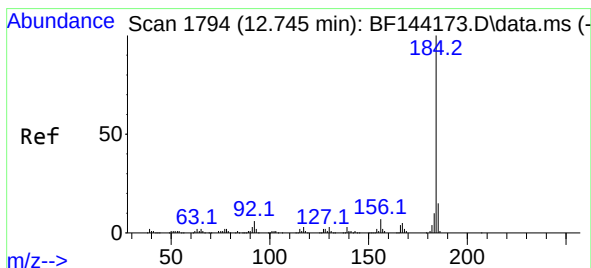
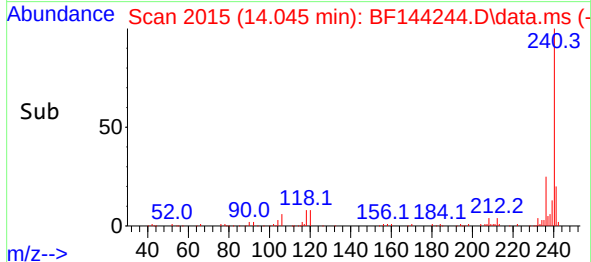
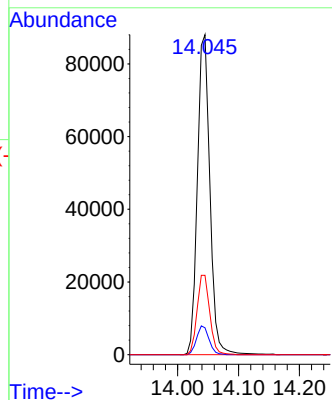
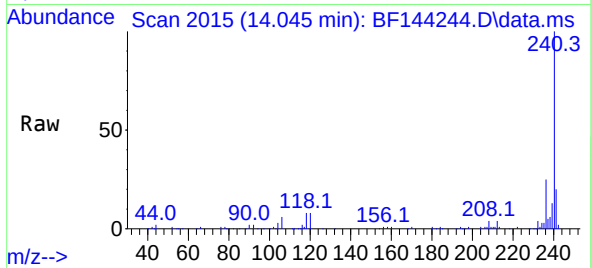




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

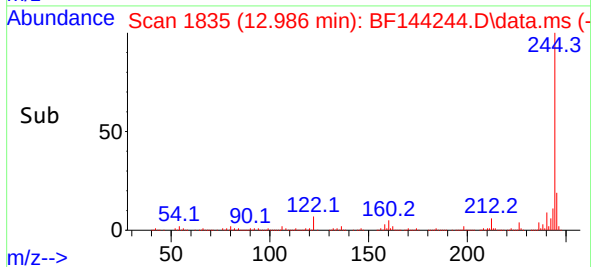
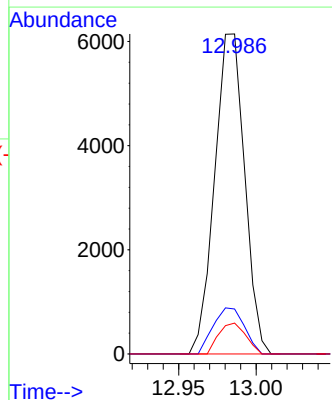
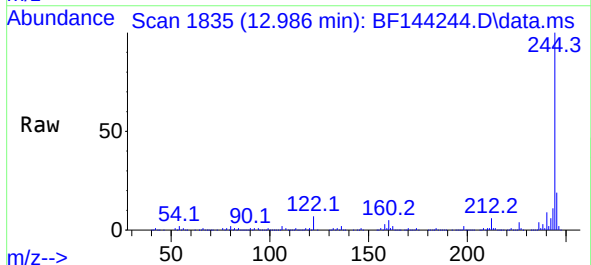
Instrument :
BNA_F
ClientSampleId :
PB170473BL

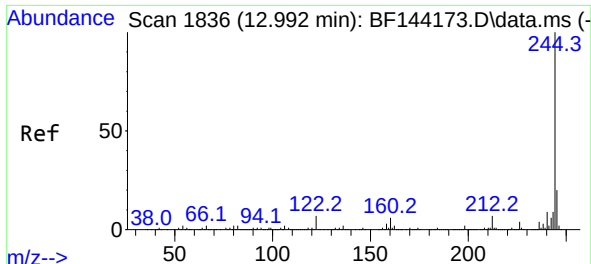
Tgt Ion:240 Resp: 125254
Ion Ratio Lower Upper
240 100
120 8.4 6.6 10.0
236 24.8 21.4 32.2



#77
Benzidine
Concen: 2.233 ng
RT: 12.986 min Scan# 1835
Delta R.T. 0.235 min
Lab File: BF144244.D
Acq: 13 Nov 2025 15:25

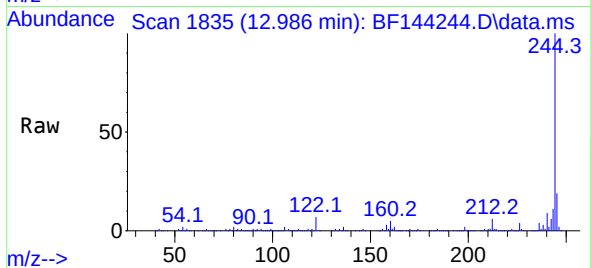
Tgt Ion:184 Resp: 8273
Ion Ratio Lower Upper
184 100
185 14.1 11.7 17.5
183 9.6 8.3 12.5



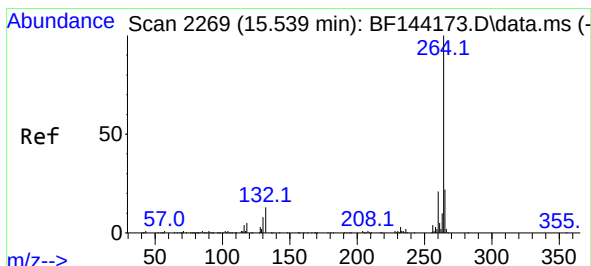
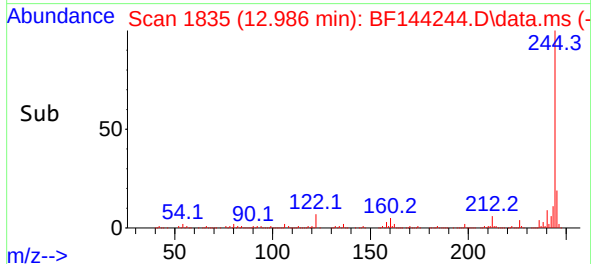
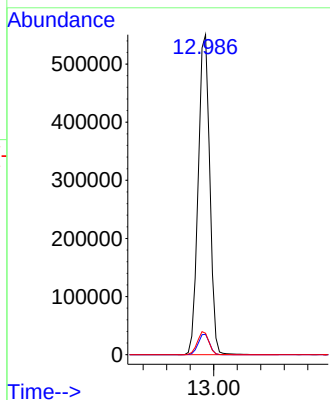


#79
 Terphenyl-d14
 Concen: 94.955 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.006 min
 Lab File: BF144244.D
 Acq: 13 Nov 2025 15:25

Instrument :
 BNA_F
 ClientSampleId :
 PB170473BL



Tgt Ion:244 Resp: 748766
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 6.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 2266
 Delta R.T. -0.018 min
 Lab File: BF144244.D
 Acq: 13 Nov 2025 15:25

Tgt Ion:264 Resp: 146599
 Ion Ratio Lower Upper
 264 100
 260 21.3 17.1 25.7
 265 21.1 17.4 26.0

