

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144066.D
 Acq On : 24 Oct 2025 17:51
 Operator : RC/JU
 Sample : PB170222BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170222BL

Quant Time: Oct 24 18:12:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

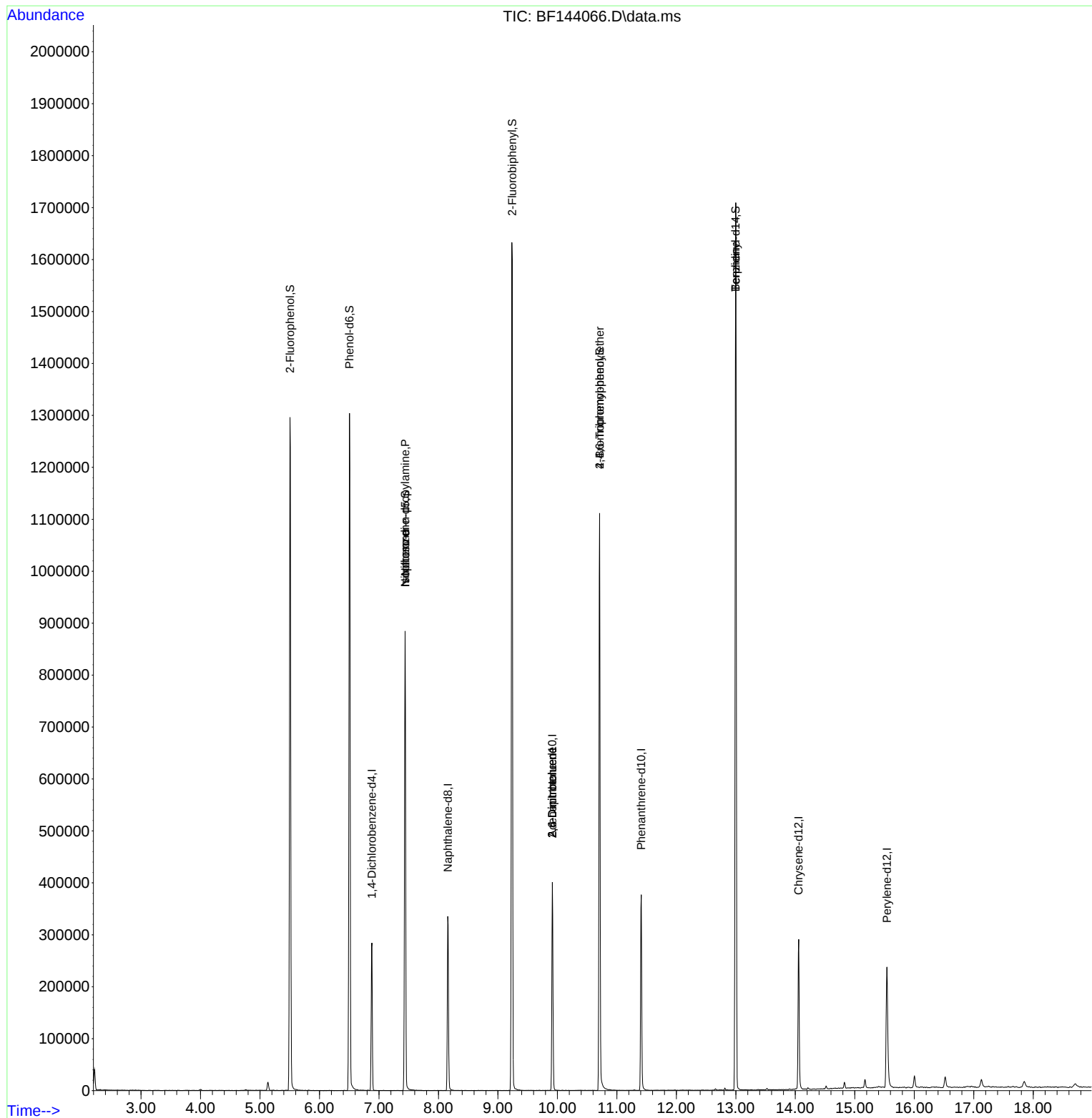
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	56915	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	223964	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	124592	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	219300	20.000	ng	0.00
76) Chrysene-d12	14.057	240	160657	20.000	ng	0.00
86) Perylene-d12	15.539	264	176931	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	471112	130.958	ng	0.01
7) Phenol-d6	6.504	99	529212	133.203	ng	0.00
23) Nitrobenzene-d5	7.439	82	373603	91.392	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	227115	143.104	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	791304	89.375	ng	0.00
79) Terphenyl-d14	12.998	244	902860	98.246	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	59218	23.050	ng	# 74
25) Isophorone	7.439	82	373598	52.274	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	15536	9.623	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	15536	7.130	ng	# 26
67) 4-Bromophenyl-phenylether	10.710	248	13174	4.798	ng	# 1
77) Benzidine	12.998	184	11990	2.398	ng	# 92

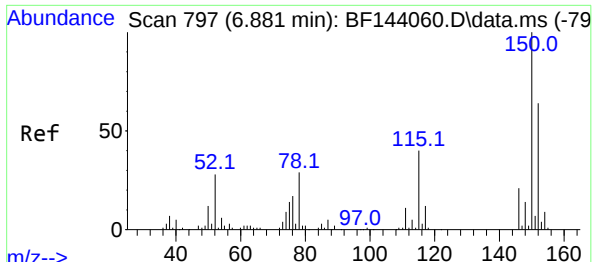
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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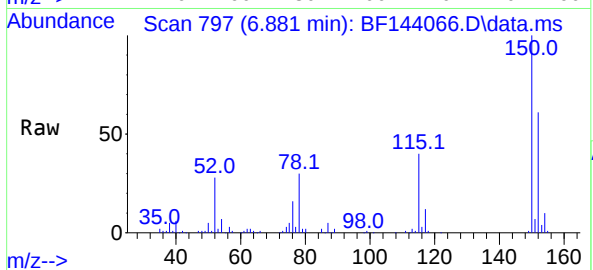
Quant Time: Oct 24 18:12:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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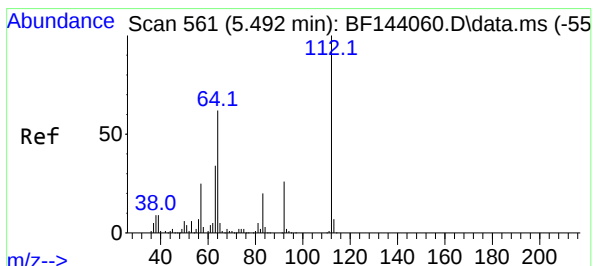
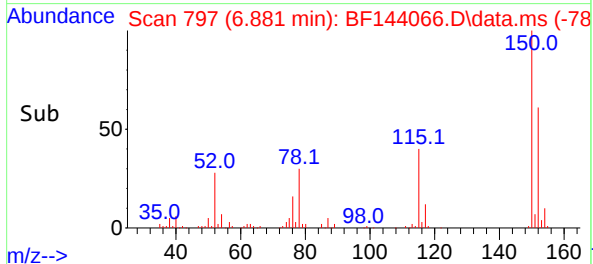
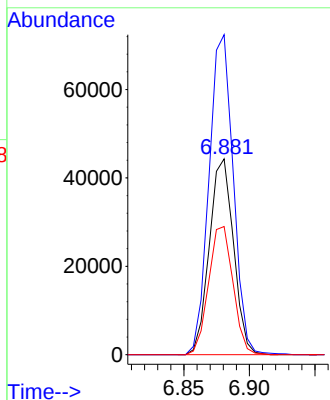


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

Instrument :
BNA_F
ClientSampleId :
PB170222BL

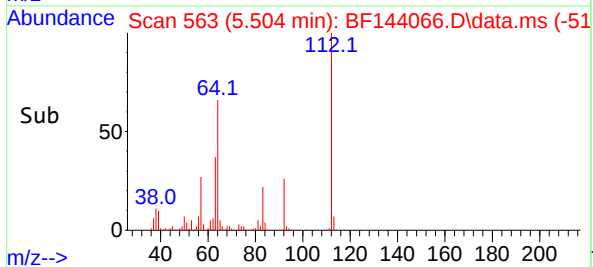
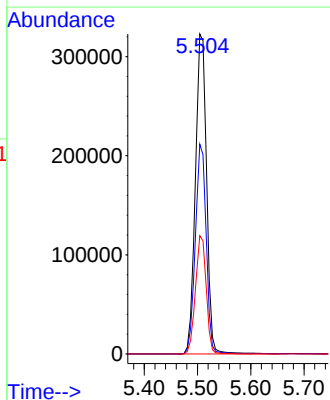
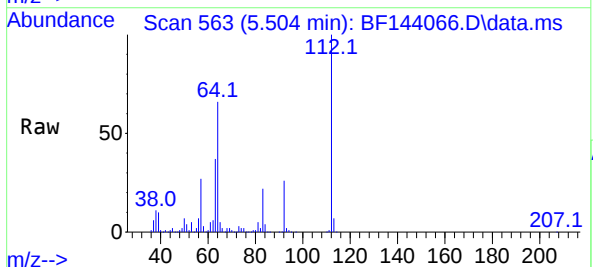


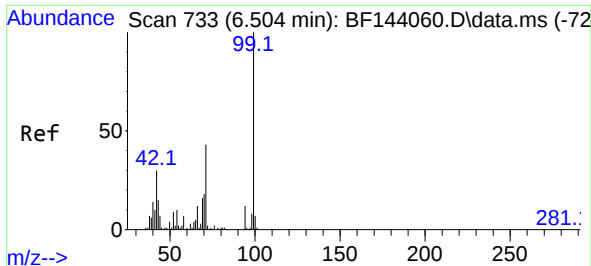
Tgt Ion:152 Resp: 56915
Ion Ratio Lower Upper
152 100
150 163.5 124.4 186.6
115 65.5 49.4 74.0



#5
2-Fluorophenol
Concen: 130.958 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

Tgt Ion:112 Resp: 471112
Ion Ratio Lower Upper
112 100
64 65.6 49.8 74.8
63 37.0 27.4 41.2

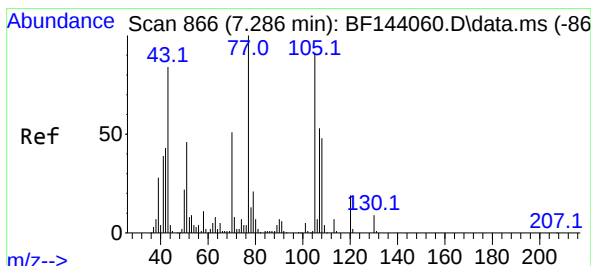
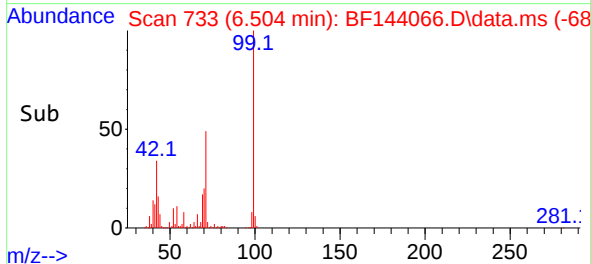
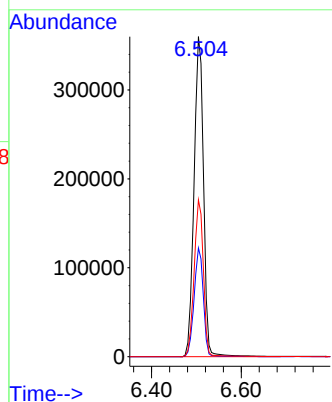
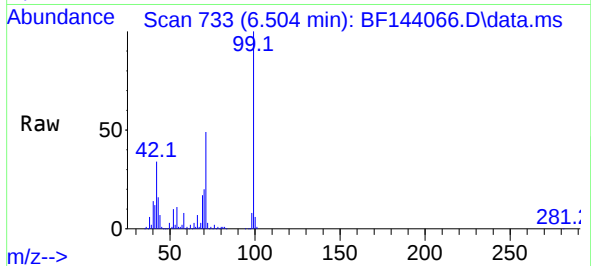




#7
Phenol-d6
Concen: 133.203 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

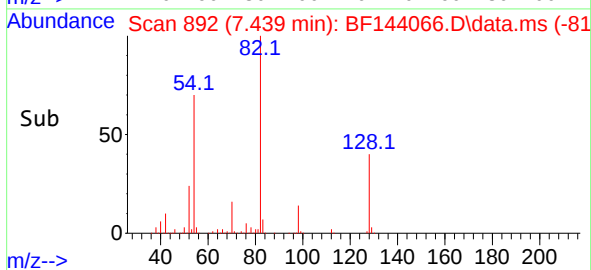
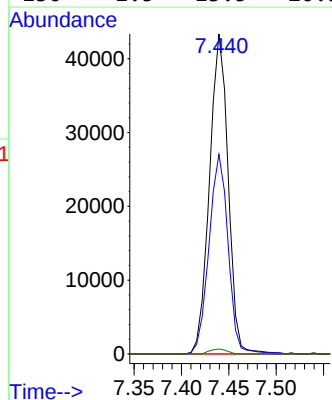
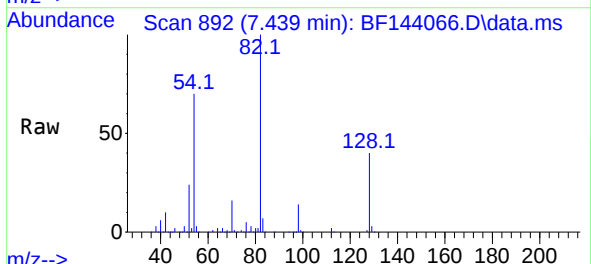
Instrument :
BNA_F
ClientSampleId :
PB170222BL

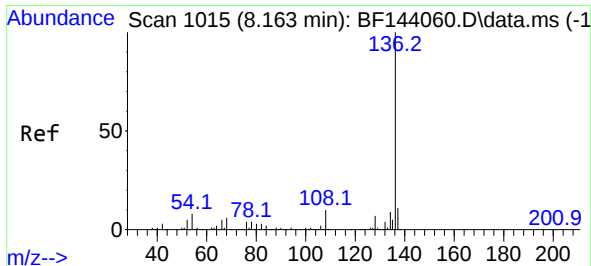
Tgt Ion: 99 Resp: 529212
Ion Ratio Lower Upper
99 100
42 33.9 23.9 35.9
71 49.0 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 23.050 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

Tgt Ion: 70 Resp: 59218
Ion Ratio Lower Upper
70 100
42 62.3 67.4 101.0#
101 0.0 7.1 10.7#
130 1.5 13.5 20.3#



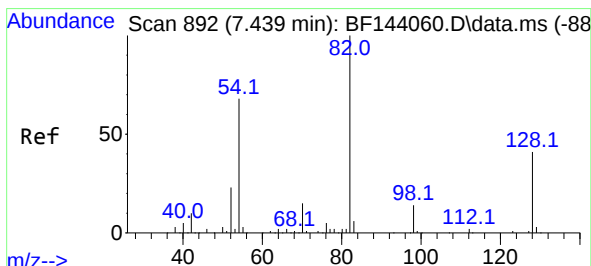
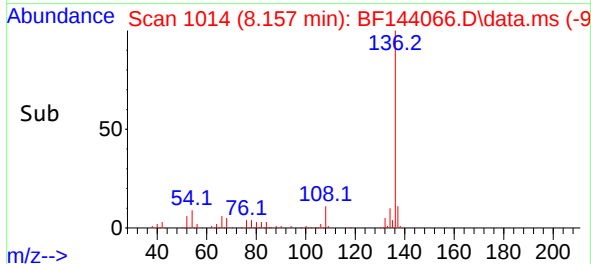
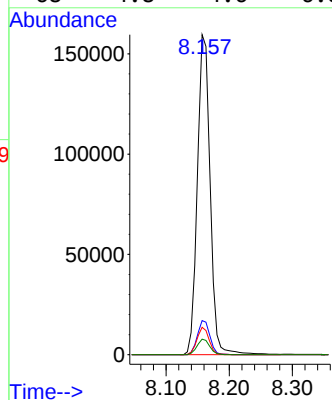
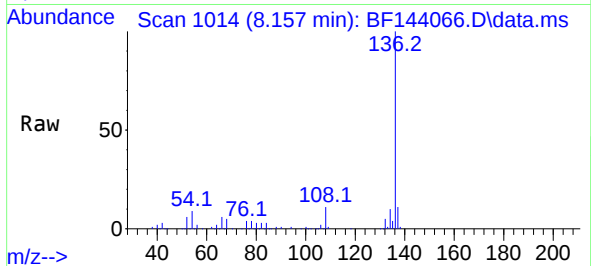


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

Instrument :
BNA_F
ClientSampleId :
PB170222BL

Tgt Ion:136 Resp: 223964

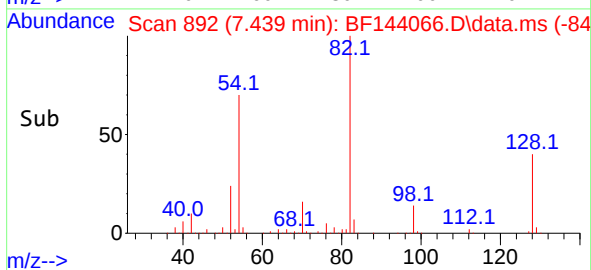
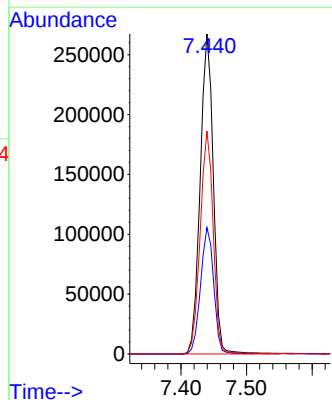
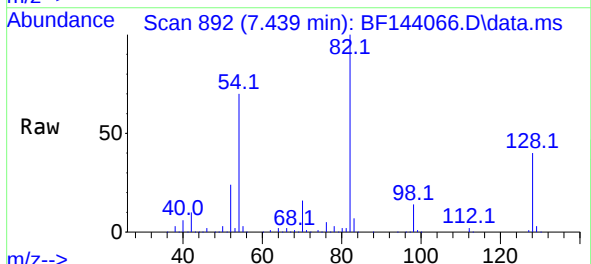
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.5	6.6	9.8
68	4.8	4.6	6.8

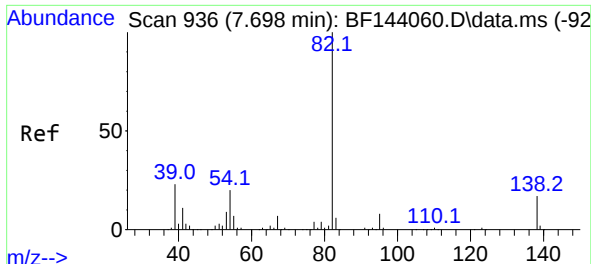


#23
Nitrobenzene-d5
Concen: 91.392 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

Tgt Ion: 82 Resp: 373603

Ion	Ratio	Lower	Upper
82	100		
128	39.5	32.4	48.6
54	69.7	54.0	81.0

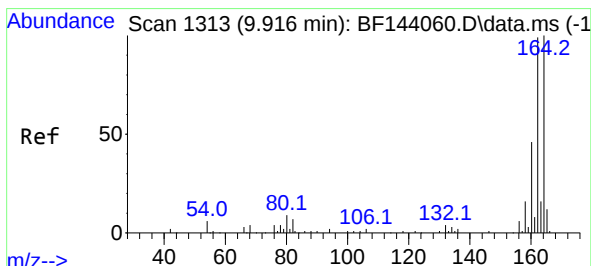
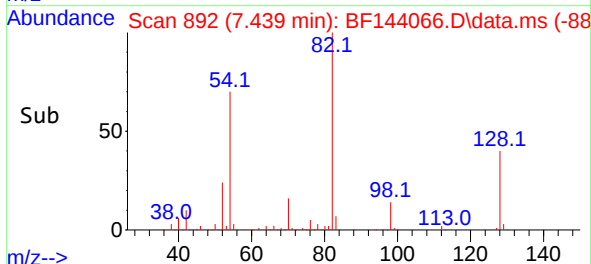
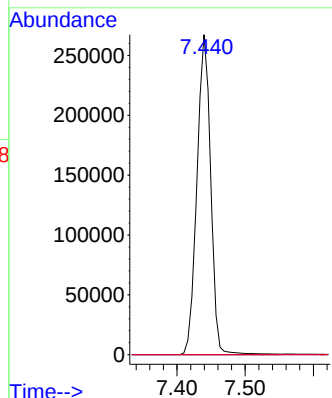
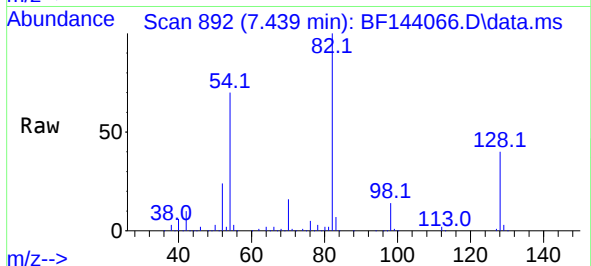




#25
Isophorone
Concen: 52.274 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

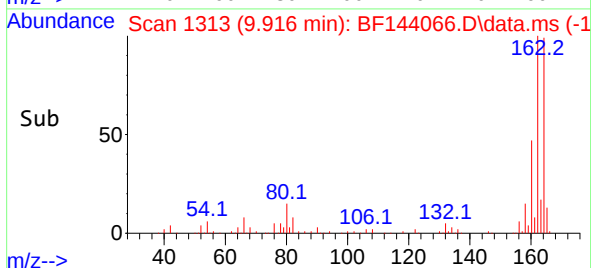
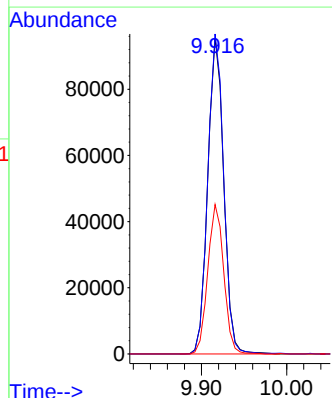
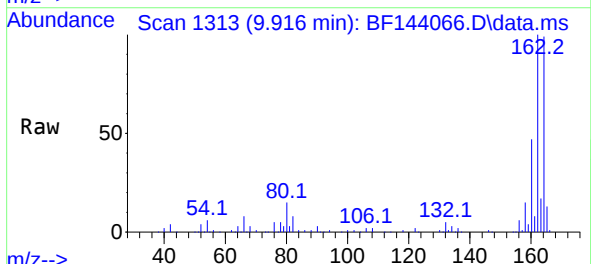
Instrument :
BNA_F
ClientSampleId :
PB170222BL

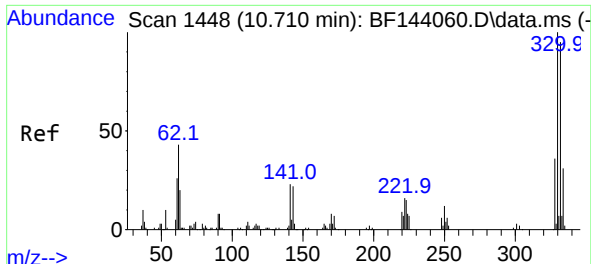
Tgt Ion: 82 Resp: 373598
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

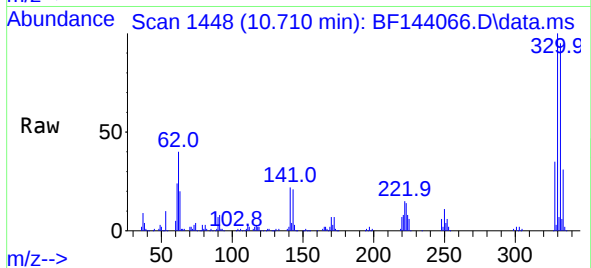
Tgt Ion:164 Resp: 124592
Ion Ratio Lower Upper
164 100
162 101.2 79.4 119.2
160 47.3 36.7 55.1



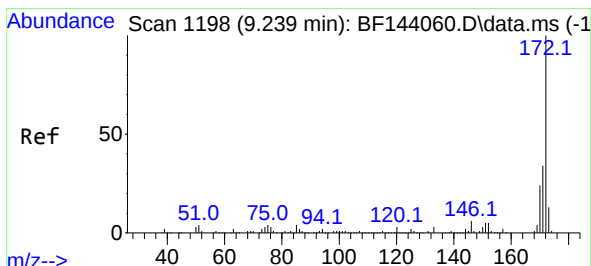
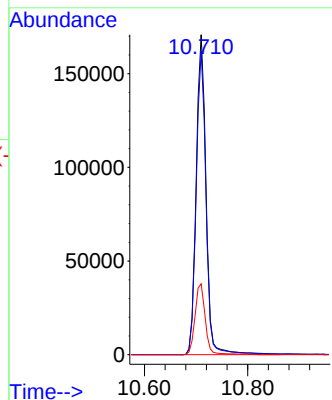
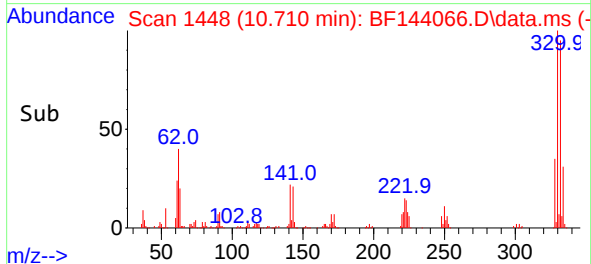


#42
2,4,6-Tribromophenol
Concen: 143.104 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

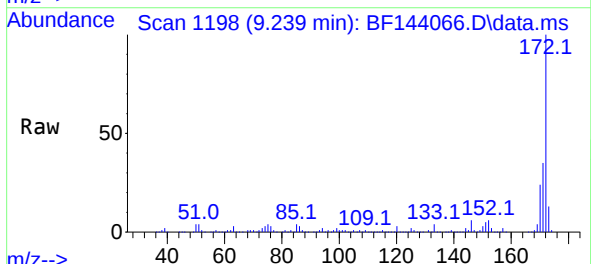
Instrument :
BNA_F
ClientSampleId :
PB170222BL



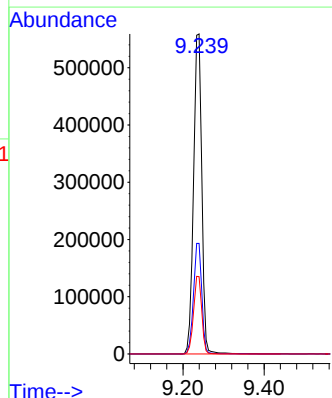
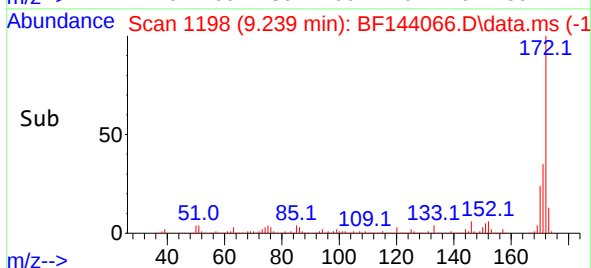
Tgt Ion:330 Resp: 227115
Ion Ratio Lower Upper
330 100
332 94.4 77.0 115.6
141 22.8 19.4 29.0

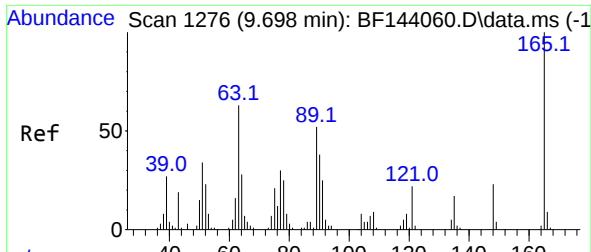


#45
2-Fluorobiphenyl
Concen: 89.375 ng
RT: 9.239 min Scan# 1198
Delta R.T. 0.000 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51



Tgt Ion:172 Resp: 791304
Ion Ratio Lower Upper
172 100
171 34.5 27.5 41.3
170 24.1 19.0 28.6

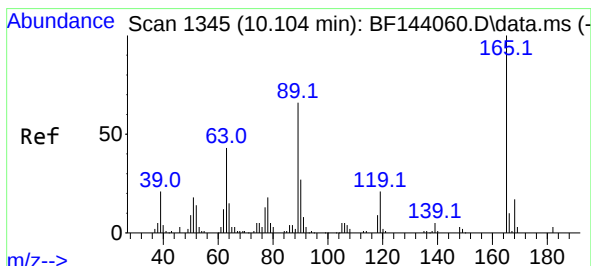
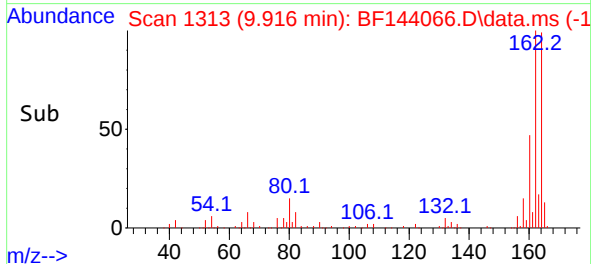
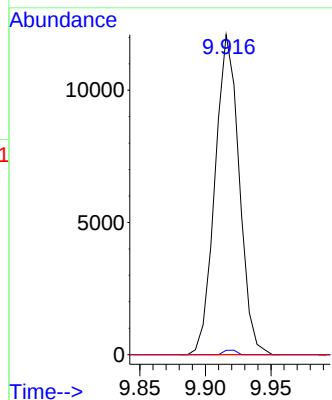
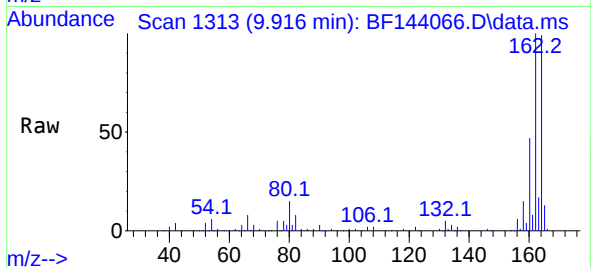




#51
2,6-Dinitrotoluene
Concen: 9.623 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

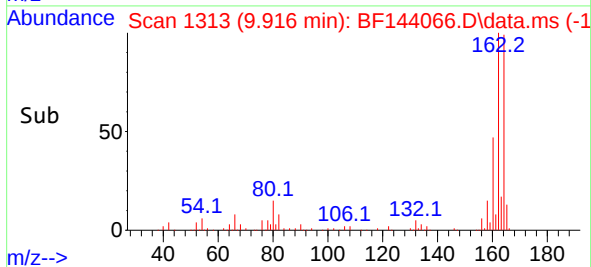
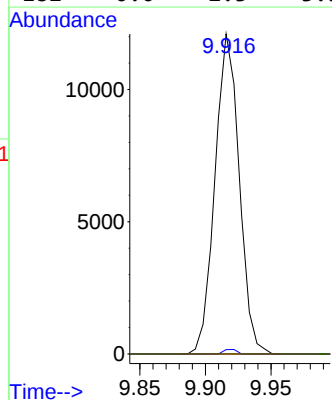
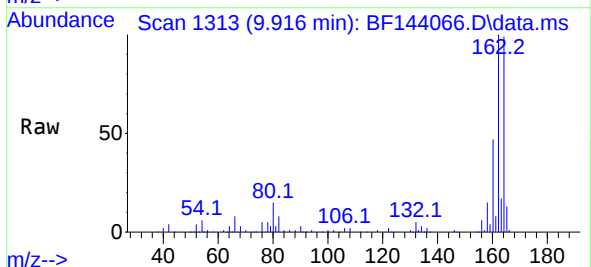
Instrument :
BNA_F
ClientSampleId :
PB170222BL

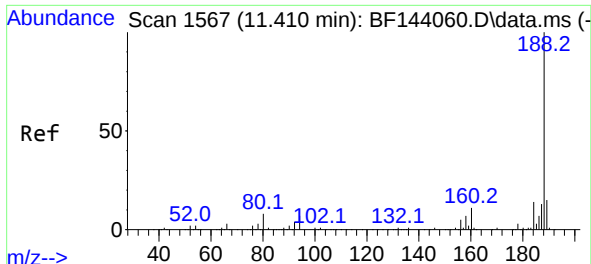
Tgt Ion:165 Resp: 15536
Ion Ratio Lower Upper
165 100
63 1.4 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.130 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

Tgt Ion:165 Resp: 15536
Ion Ratio Lower Upper
165 100
63 1.4 35.4 53.2#
89 0.0 52.7 79.1#
182 0.0 2.3 3.5#

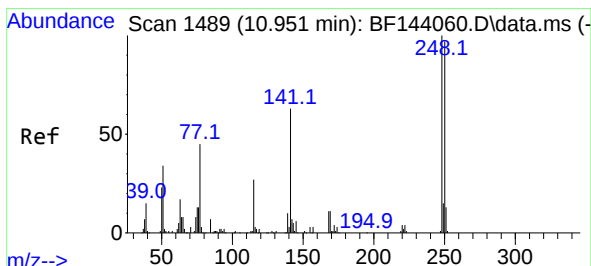
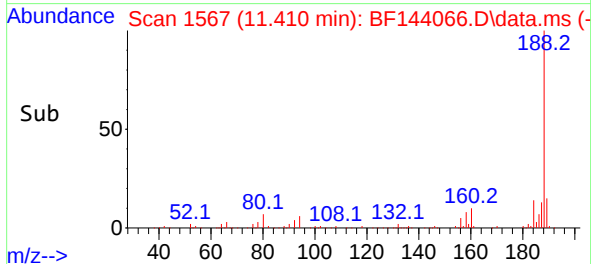
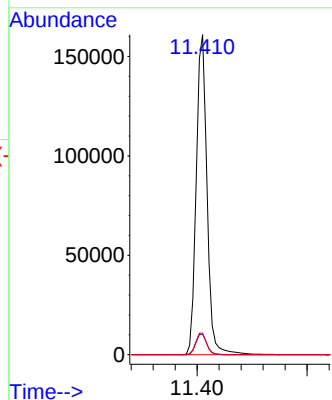
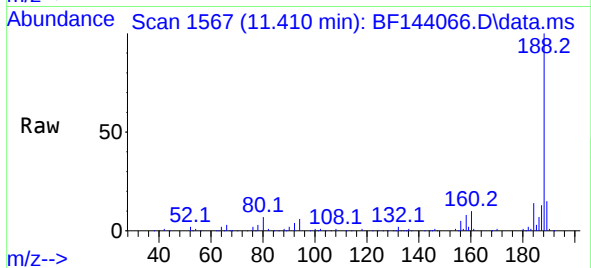




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

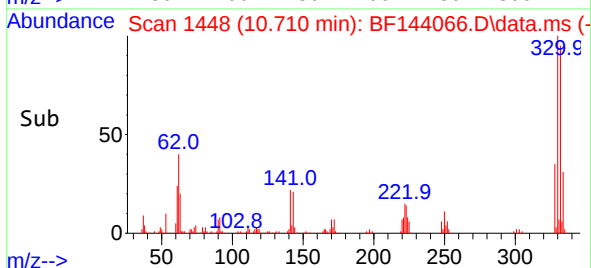
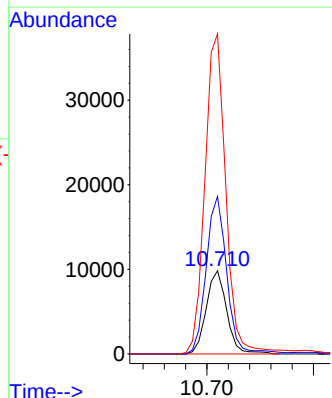
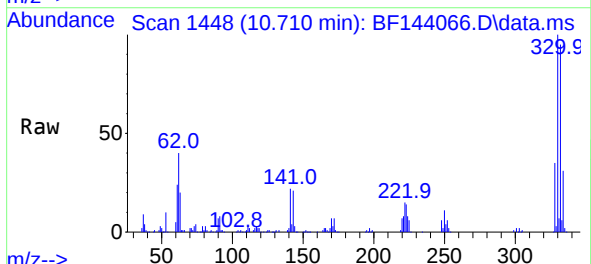
Instrument :
BNA_F
ClientSampleId :
PB170222BL

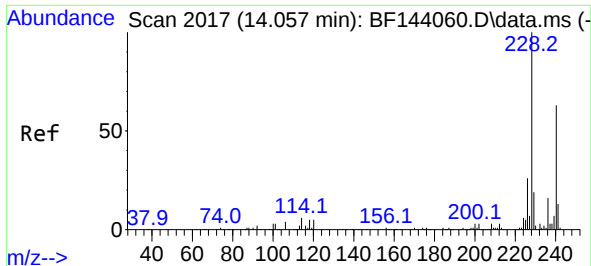
Tgt Ion:188 Resp: 219300
Ion Ratio Lower Upper
188 100
94 6.5 5.4 8.0
80 6.7 6.0 9.0



#67
4-Bromophenyl-phenylether
Concen: 4.798 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.241 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

Tgt Ion:248 Resp: 13174
Ion Ratio Lower Upper
248 100
250 189.2 77.8 116.6#
141 384.4 50.5 75.7#

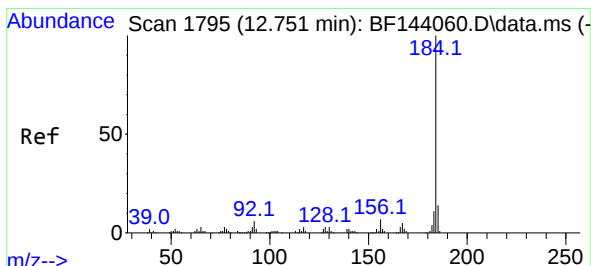
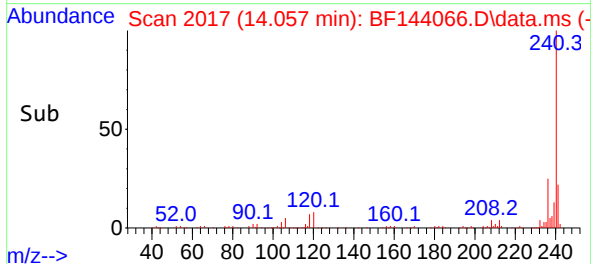
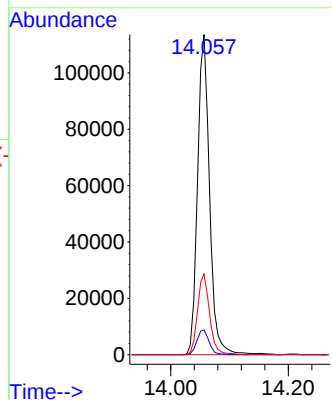
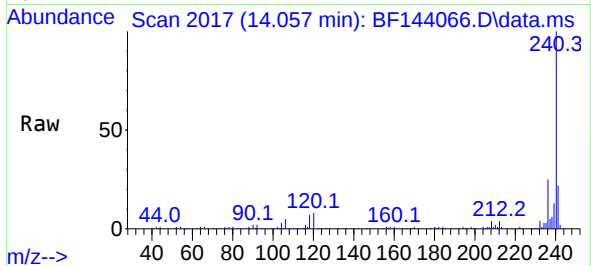




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

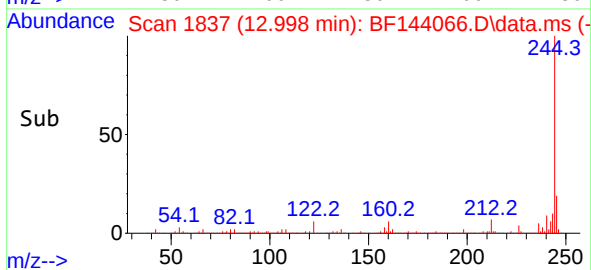
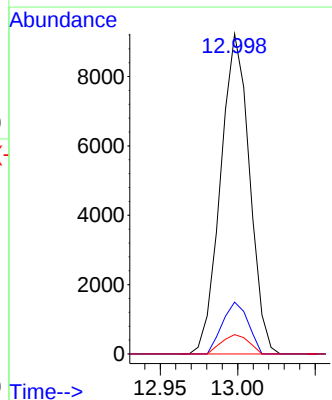
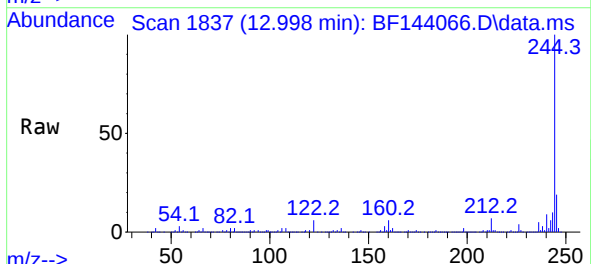
Instrument :
BNA_F
ClientSampleId :
PB170222BL

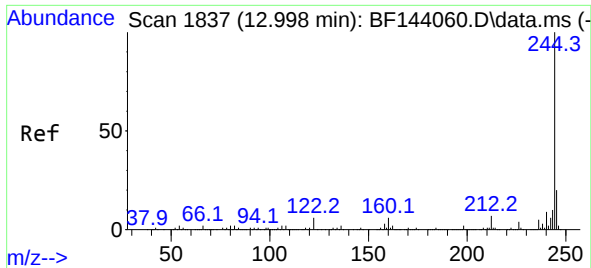
Tgt Ion:240 Resp: 160657
Ion Ratio Lower Upper
240 100
120 7.8 6.5 9.7
236 25.2 20.1 30.1



#77
Benzidine
Concen: 2.398 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.247 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

Tgt Ion:184 Resp: 11990
Ion Ratio Lower Upper
184 100
185 16.2 11.6 17.4
183 6.0 8.5 12.7#



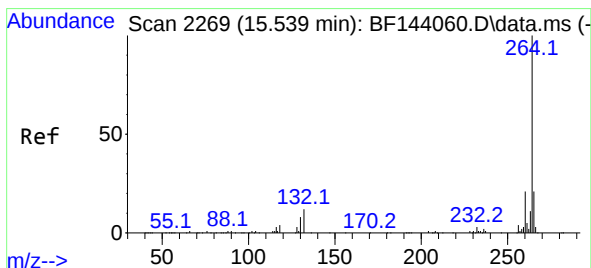
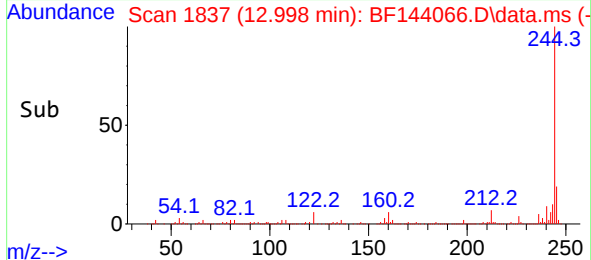
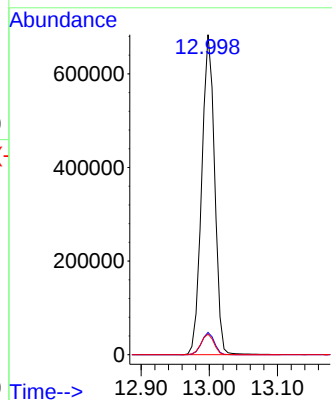
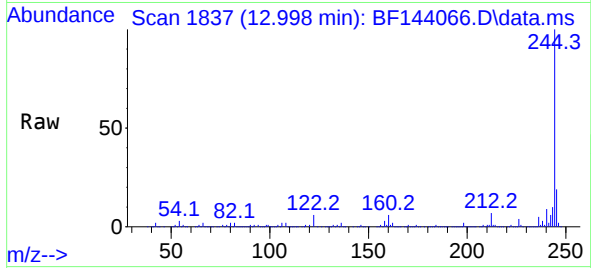


#79
Terphenyl-d14
Concen: 98.246 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

Instrument :
BNA_F
ClientSampleId :
PB170222BL

Tgt Ion:244 Resp: 902860

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	6.4	4.9	7.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF144066.D
Acq: 24 Oct 2025 17:51

Tgt Ion:264 Resp: 176931

Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.0	25.4
265	20.6	16.6	24.8

